

COMUNE DI BOLOGNA

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO
Via Zacconi, Bologna



PROGETTO ESECUTIVO

IMPORTO DI PROGETTO:	€ 8.500.000,00
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oggetto:	U.S. 03 - BLOCCO CENTRALE TABULATO DI CALCOLO	tavola n°: ST-R 07
		Scala elaborato:
		Cod. PBM: 2018EDSCON05
		Data: Giugno 2019

PROGETTO STRUTTURE

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1 PREMESSA

La presente relazione, relativa all'unità strutturale U.S. 03, tratta il blocco angolo che viene suddiviso in due unità strutturali, quella in legno e quella in acciaio. In seguito si riporta in forma integrale il tabulato di calcolo fornito dal codice di calcolo utilizzato per la modellazione delle opere strutturali (PROSAP della 2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara - Licenza dsi5505 e Licenza dsi3083). Si rimanda, per quanto riguarda le informazioni generali alla base dei calcoli, alla sintesi dei risultati e al loro controllo, alle relazioni generali nonché a quelle specifiche per le singole unità strutturali.

2 TABULATO DI CALCOLO STRUTTURALE - PARTE ACCIAIO

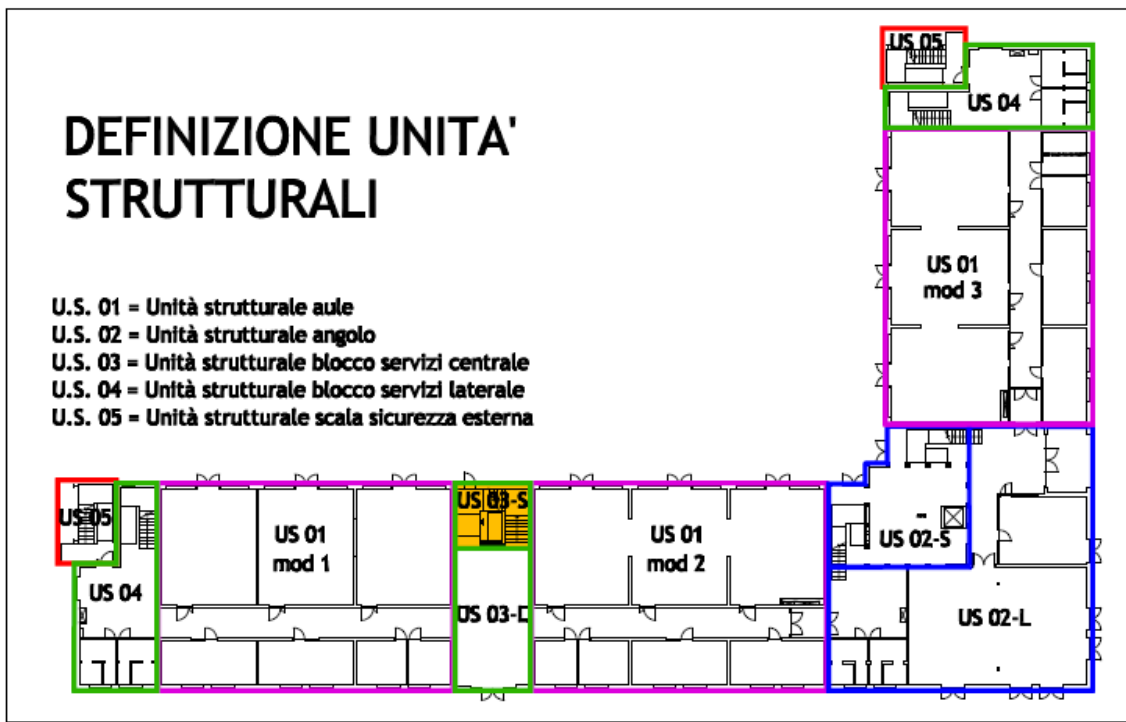


Figura 1: Unità strutturale in acciaio

2.1 DESCRIZIONE GENERALE DELL'OPERA

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

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

2.2 QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO

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

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

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

2.3 AZIONI DI PROGETTO SULLA COSTRUZIONE

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

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

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

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

$$K * u = F$$

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

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

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

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

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

2.4 MODELLO NUMERICO

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

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

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

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

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

Affidabilità dei codici utilizzati

25.1. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.

E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link:
<http://www.2si.it/Software/Affidabilità.htm>

Modellazione della geometria e proprietà meccaniche:

nodi	110
elementi D2 (per aste, travi, pilastri...)	245
elementi D3 (per pareti, platee, gusci...)	0
elementi solaio	17
elementi solidi	0

Dimensione del modello strutturale [cm]:

X min =	-10.00
Xmax =	594.00
Ymin =	0.00
Ymax =	450.00
Zmin =	-80.00
Zmax =	1080.00

Strutture verticali:

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

Strutture non verticali:

Elementi di tipo asta	SI
Travi	SI
Gusci	NO
Membrane	NO

Orizzontamenti:

Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	SI

Tipo di vincoli:

Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su	NO

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

2.5 MODELLAZIONE DELLE AZIONI

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

2.6 COMBINAZIONI E/O PERCORSI DI CARICO

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

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

Principali risultati

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

2.8.1. Risultati dell'analisi modale

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

2.8.2. Deformate e sollecitazioni per condizioni di carico

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

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

2.8.4. Reazioni vincolari

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

2.8.5. Altri risultati significativi

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

per i dati in ingresso:

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

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

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

per il progetto-verifica degli elementi:

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

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

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

2.7 VERIFICHE AGLI STATI LIMITE ULTIMI

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

2.8 VERIFICHE AGLI STATI LIMITE DI ESERCIZIO

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

2.9 RELAZIONE SUI MATERIALI

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

3 NORMATIVA DI RIFERIMENTO

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

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

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

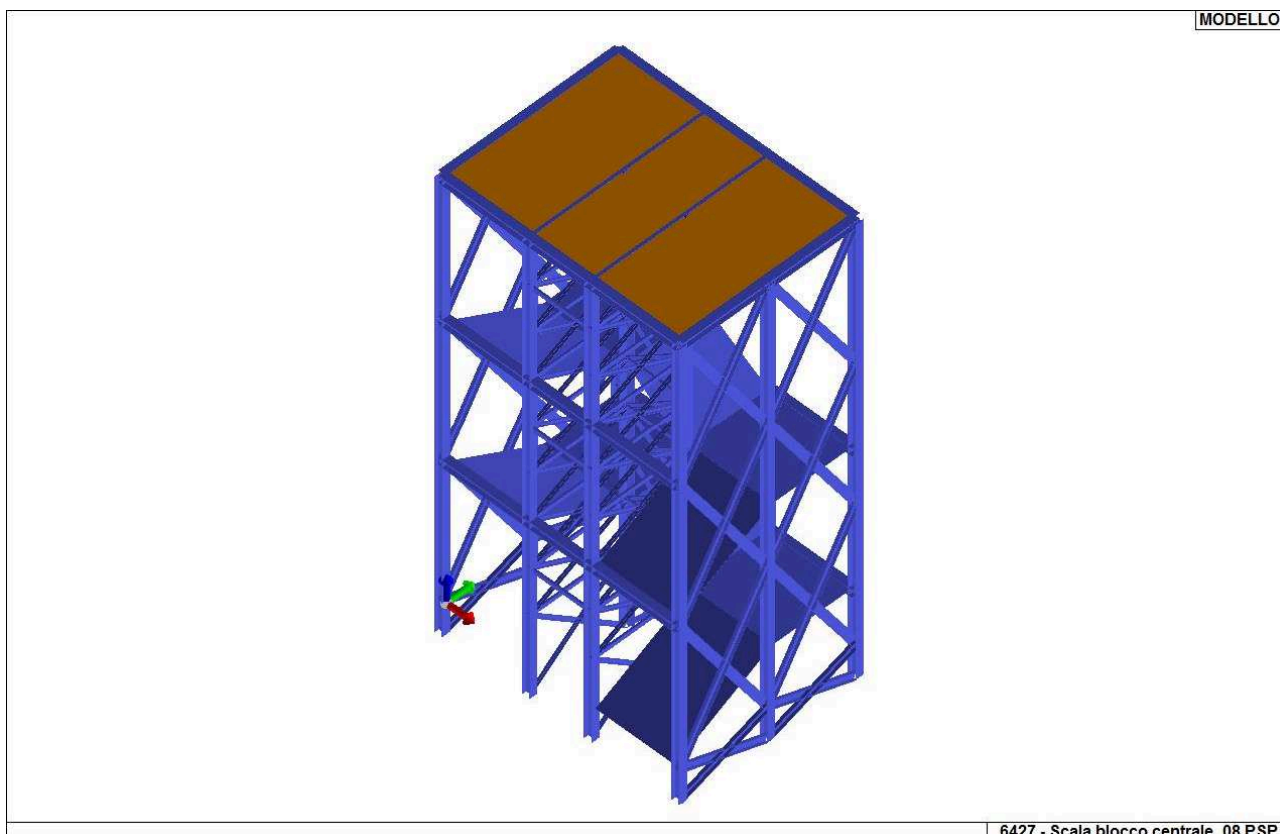


Figura 2: Vista solida

4 CARATTERISTICHE MATERIALI UTILIZZATI

4.1 LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

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

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

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

Modellazione di strutture in c.a.

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

Modellazione di strutture in acciaio

Test N°	Titolo
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE	PAG. 15 DI 722

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

Modellazione di strutture in muratura

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

Modellazione di strutture in legno

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

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
12	Acciaio Fe430 - S275	N/mm2	N/mm2	0.30	N/mm2	N/mm3	
	ft	430.0	2.100e+05		8.077e+04	7.80e-05	1.20e-05
	fy	275.0					

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
	fd	275.0					
	fdt	250.0					
	sadm	190.0					
	sadmt	170.0					

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

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

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

5 MODELLAZIONE DELLE SEZIONI

5.1 LEGENDA TABELLA DATI SEZIONI

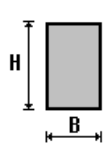
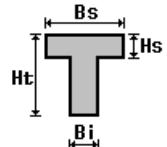
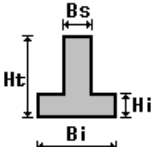
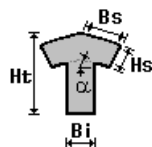
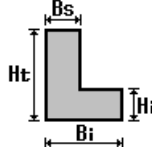
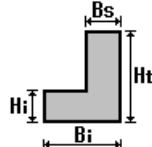
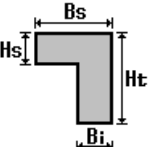
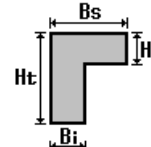
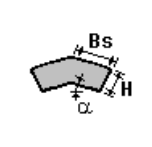
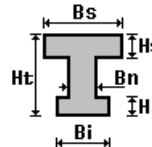
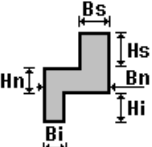
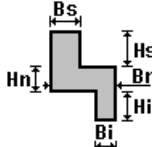
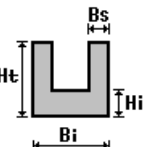
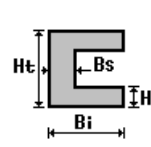
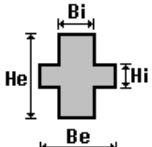
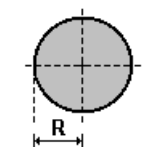
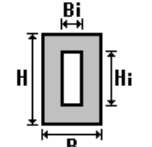
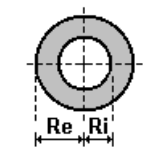
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

- sezione di tipo generico
- profilati semplici
- profilati accoppiati e speciali

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

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

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

 rettangolare	 a T	 a T rovescia	 a T di colmo	 a L	 a L specchiata
 a L specchiata rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

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

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

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

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

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

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

51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
104	ANALISI DI RESISTENZA AL FUOCO

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Cosciale scala-Rettangolare: b=1.5 h=22	33.00	27.50	27.50	23.69	6.19	1331.00	8.25	121.00	12.38	181.50
2	HEB 200	78.10	0.0	0.0	59.30	2003.00	5696.00	200.30	569.60	305.80	642.50
3	LU 200x20	76.30	0.0	0.0	101.32	2850.00	2850.00	199.00	199.00	199.00	199.00
4	Tub 100x50-Rettangolare cava: b=5 h=10 bi=4.4 hi=9.4	48.64	0.0	0.0	86.60	37.44	112.12	14.98	22.42	17.00	27.80
5	UPN 200	32.20	0.0	0.0	11.90	148.00	1911.00	26.90	191.00	51.80	228.00
6	UPN 100	13.50	0.0	0.0	2.81	29.10	205.00	8.40	41.10	16.20	49.00

6 MODELLAZIONE STRUTTURA: NODI

6.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

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

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

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

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

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

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

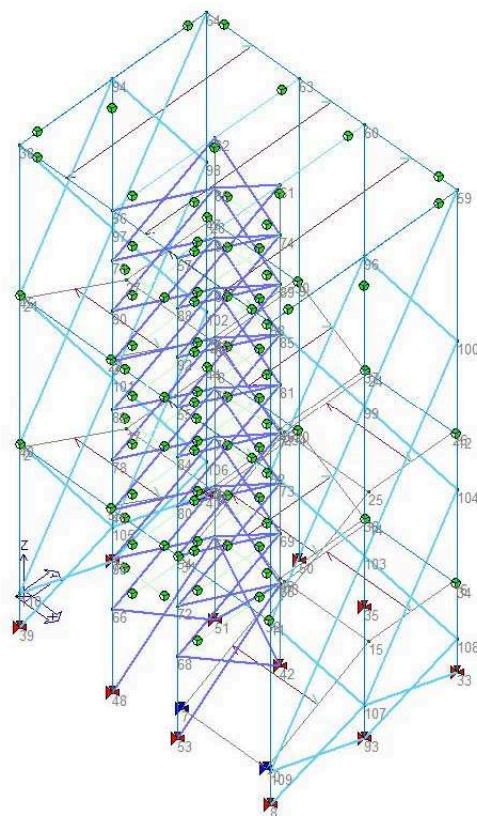
6.1.1 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	213.0	247.0	229.0	2	0.0	0.0	360.0	3	213.0	0.0	720.0
4	213.0	450.0	229.0	5	203.0	0.0	360.0	6	213.0	247.0	589.0
9	213.0	450.0	589.0	11	594.0	0.0	360.0	12	594.0	450.0	491.0
13	381.0	247.0	131.0	14	381.0	450.0	131.0	15	584.0	247.0	131.0
16	584.0	450.0	131.0	17	0.0	247.0	229.0	18	0.0	450.0	229.0
19	203.0	247.0	229.0	20	203.0	450.0	229.0	21	0.0	0.0	720.0
22	203.0	0.0	720.0	23	381.0	247.0	491.0	24	381.0	450.0	491.0
25	584.0	247.0	491.0	26	584.0	450.0	491.0	27	0.0	247.0	589.0
28	0.0	450.0	589.0	29	203.0	247.0	589.0	30	203.0	450.0	589.0
31	381.0	0.0	360.0	32	584.0	0.0	360.0	34	594.0	450.0	131.0
36	371.0	450.0	131.0	37	371.0	450.0	491.0	38	-10.0	0.0	1080.0

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE	PAG. 19 DI 722

40	-10.0	0.0	360.0	43	371.0	247.0	131.0	44	-10.0	450.0	229.0
45	-10.0	0.0	720.0	46	371.0	247.0	491.0	47	-10.0	450.0	589.0
49	213.0	0.0	360.0	52	594.0	0.0	720.0	54	371.0	0.0	360.0
55	371.0	0.0	720.0	56	213.0	0.0	1080.0	57	371.0	0.0	1080.0
58	594.0	0.0	1080.0	59	594.0	450.0	1080.0	60	371.0	450.0	1080.0
61	371.0	247.0	1080.0	62	213.0	247.0	1080.0	63	213.0	450.0	1080.0
64	-10.0	450.0	1080.0	65	371.0	247.0	120.0	66	213.0	0.0	120.0
67	213.0	247.0	120.0	68	371.0	0.0	120.0	69	371.0	247.0	240.0
70	213.0	0.0	240.0	71	213.0	247.0	240.0	72	371.0	0.0	240.0
73	371.0	247.0	360.0	74	371.0	247.0	960.0	75	213.0	247.0	360.0
76	213.0	0.0	960.0	77	371.0	247.0	480.0	78	213.0	0.0	480.0
79	213.0	247.0	480.0	80	371.0	0.0	480.0	81	371.0	247.0	600.0
82	213.0	0.0	600.0	83	213.0	247.0	600.0	84	371.0	0.0	600.0
85	371.0	247.0	720.0	86	213.0	247.0	960.0	87	213.0	247.0	720.0
88	371.0	0.0	960.0	89	371.0	247.0	840.0	90	213.0	0.0	840.0
91	213.0	247.0	840.0	92	371.0	0.0	840.0	94	-10.0	225.0	1080.0
96	594.0	225.0	1080.0	97	-10.0	225.0	720.0	98	-10.0	450.0	720.0
99	594.0	225.0	720.0	100	594.0	450.0	720.0	101	-10.0	225.0	360.0
102	-10.0	450.0	360.0	103	594.0	225.0	360.0	104	594.0	450.0	360.0
105	-10.0	225.0	0.0	106	-10.0	450.0	0.0	107	594.0	225.0	0.0
108	594.0	450.0	0.0	109	594.0	0.0	0.0	110	-10.0	0.0	0.0

Nodo	X cm	Y cm	Z cm	Note	Rig. TX daN/cm	Rig. TY daN/cm	Rig. TZ daN/cm	Rig. RX daN cm/rad	Rig. RY daN cm/rad	Rig. RZ daN cm/rad
7	381.0	0.0	0.0	v=111000						
8	594.0	0.0	-80.0	v=111111						
10	584.0	0.0	0.0	v=111000						
33	594.0	450.0	-80.0	v=111111						
35	371.0	450.0	-80.0	v=111111						
39	-10.0	0.0	-80.0	v=111111						
41	-10.0	450.0	-80.0	v=111111						
42	371.0	247.0	-80.0	v=111111						
48	213.0	0.0	-80.0	v=111111						
50	213.0	450.0	-80.0	v=111111						
51	213.0	247.0	-80.0	v=111111						
53	371.0	0.0	-80.0	v=111111						
93	594.0	225.0	-80.0	v=111111						
95	-10.0	225.0	-80.0	v=111111						



6427 - Scala blocco centrale_08.PSP

Figura 3: Numerazione nodi

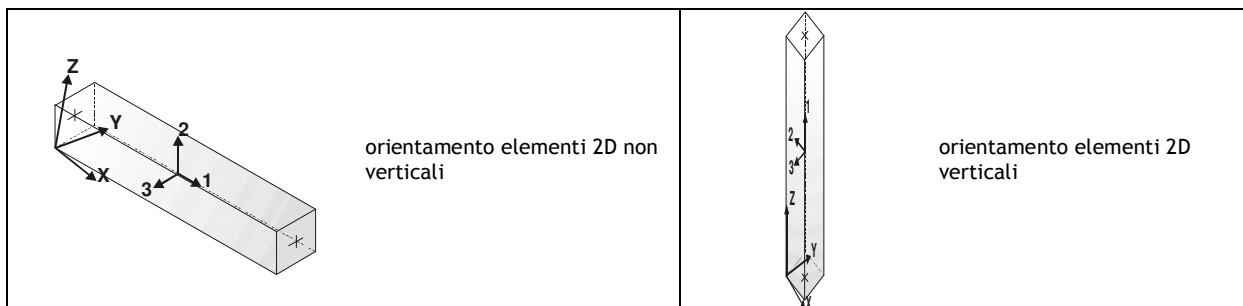
7 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

7.1 TABELLA DATI TRAVI

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

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

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



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento

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

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

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

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Asta	11	107	12	5					
2	Asta	58	99	12	5					
3	Asta	52	96	12	5					
4	Asta	96	100	12	5					
5	Asta	99	59	12	5					
6	Asta	99	104	12	5					
7	Asta	103	100	12	5					
8	Asta	52	103	12	5					
9	Asta	11	99	12	5					
10	Asta	103	108	12	5					
11	Asta	107	104	12	5					
12	Asta	109	103	12	5					
13	Asta	107	33	12	5					
14	Asta	93	108	12	5					
15	Asta	8	107	12	5					
16	Asta	109	93	12	5					
17	Asta	40	105	12	5					
18	Asta	38	97	12	5					
19	Asta	45	94	12	5					
20	Asta	94	98	12	5					
21	Asta	97	64	12	5					
22	Asta	97	102	12	5					
23	Asta	101	98	12	5					
24	Asta	45	101	12	5					
25	Asta	40	97	12	5					
26	Asta	101	106	12	5					
27	Asta	105	102	12	5					
28	Asta	110	101	12	5					
29	Asta	105	41	12	5					
30	Asta	95	106	12	5					
31	Asta	39	105	12	5					
32	Asta	110	95	12	5					
33	Asta	56	86	12	6					
34	Asta	76	62	12	6					
35	Asta	90	86	12	6					
36	Asta	76	91	12	6					
37	Asta	3	91	12	6					
38	Asta	90	87	12	6					
39	Asta	82	87	12	6					
40	Asta	3	83	12	6					
41	Asta	78	83	12	6					
42	Asta	82	79	12	6					
43	Asta	49	79	12	6					
44	Asta	78	75	12	6					
45	Asta	70	75	12	6					
46	Asta	49	71	12	6					
47	Asta	66	71	12	6					
48	Asta	70	67	12	6					
49	Asta	57	74	12	6					
50	Asta	88	61	12	6					
51	Asta	92	74	12	6					
52	Asta	88	89	12	6					
53	Asta	55	89	12	6					
54	Asta	92	85	12	6					
55	Asta	84	85	12	6					
56	Asta	55	81	12	6					
57	Asta	80	81	12	6					
58	Asta	84	77	12	6					
59	Asta	54	77	12	6					
60	Asta	80	73	12	6					
61	Asta	72	73	12	6					
62	Asta	54	69	12	6					
63	Asta	68	69	12	6					
64	Asta	72	65	12	6					
65	Asta	86	61	12	6					
66	Asta	62	74	12	6					
67	Asta	91	74	12	6					
68	Asta	86	89	12	6					
69	Asta	87	89	12	6					
70	Asta	91	85	12	6					
71	Asta	83	85	12	6					
72	Asta	87	81	12	6					

73	Asta	79	81	12	6			
74	Asta	83	77	12	6			
75	Asta	75	77	12	6			
76	Asta	79	73	12	6			
77	Asta	71	73	12	6			
78	Asta	75	69	12	6			
79	Asta	67	69	12	6			
80	Asta	71	65	12	6			
81	Asta	51	65	12	6			
82	Asta	67	42	12	6			
83	Asta	48	67	12	6			
84	Asta	66	51	12	6			
85	Asta	53	65	12	6			
86	Asta	68	42	12	6			
87	Trave	88	74	12	4	180.00	000011	000011
88	Trave	86	74	12	4		000011	000011
89	Trave	90	91	12	4		000011	000011
90	Pilas.	77	46	12	3	90.00		
91	Trave	92	89	12	4	180.00	000011	000011
92	Trave	91	89	12	4		000011	000011
93	Trave	3	87	12	4		000011	000011
94	Trave	3	55	12	2	180.00	000011	000011
95	Trave	55	85	12	4	180.00	000011	000011
96	Trave	87	85	12	4		000011	000011
97	Trave	82	83	12	4		000011	000011
98	Trave	82	84	12	4	180.00	000011	000011
99	Trave	84	81	12	4	180.00	000011	000011
100	Trave	83	81	12	4		000011	000011
101	Trave	78	79	12	4		000011	000011
102	Pilas.	91	86	12	3	180.00		
103	Trave	80	77	12	4	180.00	000011	000011
104	Trave	79	77	12	4		000011	000011
105	Trave	49	75	12	4		000011	000011
106	Trave	49	54	12	2	180.00	000011	000011
107	Trave	54	73	12	4	180.00	000011	000011
108	Trave	75	73	12	4		000011	000011
109	Trave	70	71	12	4		000011	000011
110	Trave	70	72	12	4	180.00	000011	000011
111	Trave	72	69	12	4	180.00	000011	000011
112	Trave	71	69	12	4		000011	000011
113	Trave	66	67	12	4		000011	000011
114	Pilas.	89	74	12	3	90.00		
115	Trave	68	65	12	4	180.00	000011	000011
116	Pilas.	74	61	12	3	90.00		000111
117	Pilas.	78	82	12	2			
118	Pilas.	71	75	12	3	180.00		
119	Pilas.	83	87	12	3	180.00		
120	Pilas.	80	84	12	2			
121	Pilas.	65	43	12	3	90.00		
122	Pilas.	69	73	12	3	90.00		
123	Pilas.	67	1	12	3	180.00		
124	Pilas.	66	70	12	2			
125	Pilas.	68	72	12	2			
126	Pilas.	76	56	12	2			
127	Pilas.	88	57	12	2			
128	Pilas.	81	85	12	3	90.00		
129	Pilas.	90	76	12	2			
130	Pilas.	92	88	12	2			
131	Pilas.	82	3	12	2			
132	Pilas.	75	79	12	3	180.00		
133	Pilas.	86	62	12	3	180.00		000111
134	Pilas.	84	55	12	2			
135	Pilas.	73	77	12	3	90.00		
136	Pilas.	70	49	12	2			
137	Pilas.	72	54	12	2			
138	Pilas.	87	91	12	3	180.00		
139	Pilas.	85	89	12	3	90.00		
140	Pilas.	79	6	12	3	180.00		
141	Trave	55	52	12	2		000011	000011
142	Pilas.	95	105	12	2			
143	Pilas.	93	107	12	2			
147	Pilas.	46	81	12	3	90.00		
154	Trave	14	16	12	2			
155	Trave	18	20	12	2			
156	Trave	54	31	12	2		000011	

157	Trave	26	12	12	2			000011
158	Trave	30	9	12	2			000011
159	Pilas.	8	109	12	2			
160	Pilas.	49	78	12	2			
161	Pilas.	4	9	12	2			
162	Trave	22	3	12	2			000011
163	Pilas.	1	71	12	3	180.00		
164	Trave	2	5	12	2			
168	Pilas.	6	83	12	3	180.00		
175	Trave	24	26	12	2			
176	Pilas.	109	11	12	2			
177	Pilas.	108	34	12	2			
178	Pilas.	104	12	12	2			
179	Pilas.	110	40	12	2			
180	Pilas.	106	44	12	2			
181	Pilas.	102	47	12	2			
182	Pilas.	100	59	12	2			
183	Pilas.	98	64	12	2			
184	Trave	96	59	12	2			000011
185	Trave	94	64	12	2			000011
186	Pilas.	97	94	12	2			000111
187	Pilas.	99	96	12	2			000111
188	Pilas.	101	97	12	2			
189	Pilas.	103	99	12	2			
190	Pilas.	105	101	12	2			
191	Pilas.	107	103	12	2			
192	Pilas.	44	102	12	2			
193	Pilas.	43	69	12	3	90.00		
194	Pilas.	51	67	12	3	180.00		
195	Pilas.	48	66	12	2			
196	Pilas.	50	4	12	2			
197	Trave	40	2	12	2		000011	
198	Trave	5	49	12	2			000011
199	Pilas.	11	52	12	2			
200	Trave	36	14	12	2		000011	
201	Trave	37	24	12	2		000011	
202	Pilas.	42	65	12	3	90.00		
203	Pilas.	39	110	12	2			
204	Pilas.	41	106	12	2			
205	Pilas.	40	45	12	2			
206	Pilas.	53	68	12	2			
207	Pilas.	45	38	12	2			
208	Pilas.	3	90	12	2			
209	Pilas.	12	100	12	2			
210	Pilas.	37	60	12	2			
211	Pilas.	9	63	12	2			
212	Pilas.	47	98	12	2			
213	Pilas.	55	92	12	2			
214	Pilas.	52	58	12	2			
217	Trave	31	32	12	2			
218	Trave	64	63	12	2		000011	
219	Trave	63	60	12	2			
220	Trave	28	30	12	2			
221	Trave	21	22	12	2			
222	Trave	20	4	12	2			000011
223	Trave	44	18	12	2		000011	
224	Trave	45	21	12	2		000011	
225	Trave	47	28	12	2		000011	
226	Trave	16	34	12	2			000011
227	Trave	32	11	12	2			000011
228	Trave	67	65	12	4		000011	000011
229	Pilas.	54	80	12	2			
230	Pilas.	33	108	12	2			
231	Pilas.	34	104	12	2			
232	Pilas.	35	36	12	2			
233	Pilas.	36	37	12	2			
234	Trave	60	59	12	2			000011
235	Trave	58	96	12	2		000011	
236	Trave	57	58	12	2			000011
237	Trave	56	57	12	2			
238	Trave	38	56	12	2		000011	
239	Trave	38	94	12	2		000011	
240	Trave	62	63	12	5			000011
241	Trave	56	62	12	5		000011	
242	Trave	57	61	12	5		000011	

243	Trave	61	60	12	5			000011
244	Trave	76	86	12	4			000011
245	Trave	76	88	12	4	180.00		000011

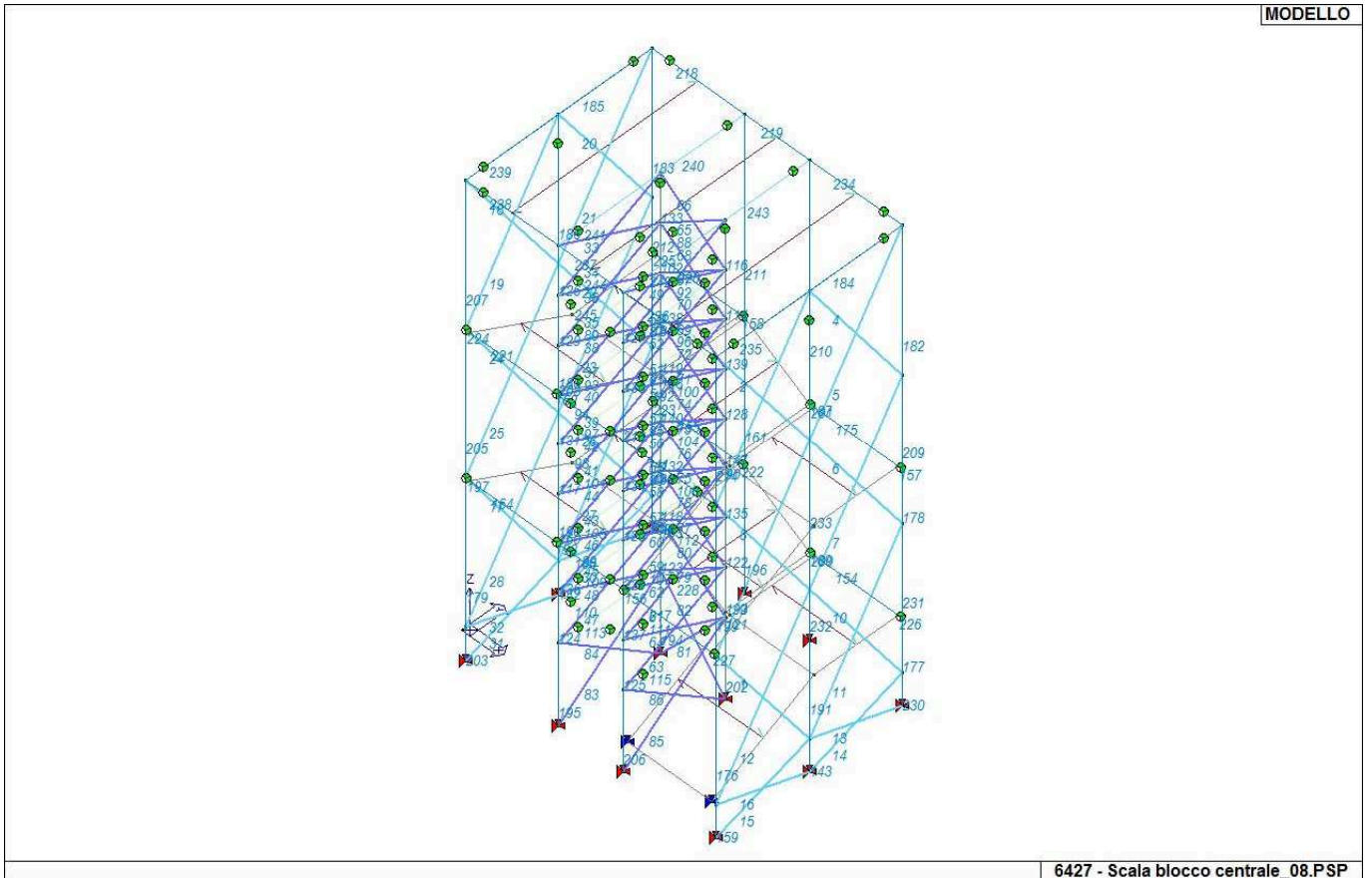
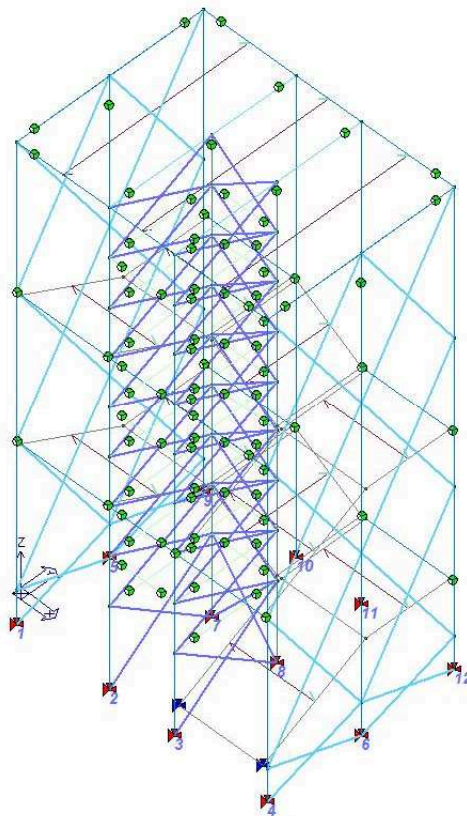
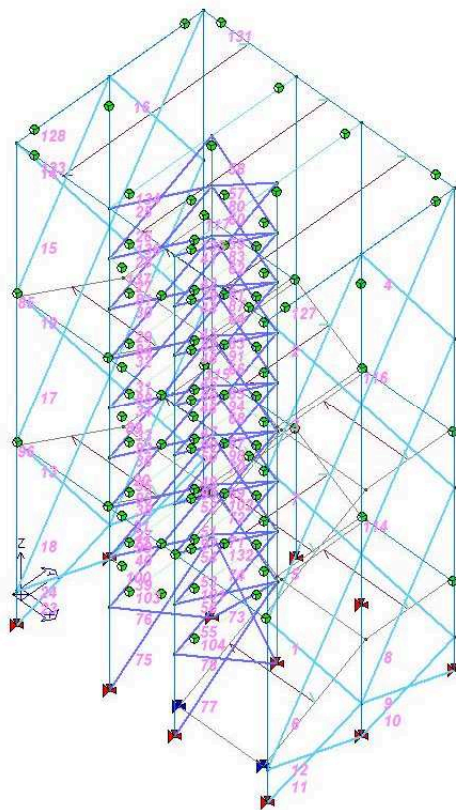


Figura 4: numerazione elementi D2



6427 - Scala blocco centrale_08.PSP

Figura 5: Numerazione elementi D2_PILASTRATE



6427 - Scala blocco centrale_08.PSP

Figura 6: Numerazione elementi D2_TRAVATE

8 MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

8.1 LEGENDA TABELLA DATI SOLAI-PANNELLI

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

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

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

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

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

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

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

Elem	numero dell'elemento										
Tipo	codice di comportamento <table style="margin-left: 20px; border: none;"> <tr> <td><i>S</i></td> <td>elemento utilizzato solo per scarico</td> </tr> <tr> <td><i>C</i></td> <td>elemento utilizzato per scarico e per modellazione piano rigido</td> </tr> <tr> <td><i>P</i></td> <td>elemento utilizzato come pannello</td> </tr> <tr> <td><i>M</i></td> <td>scarico monodirezionale</td> </tr> <tr> <td><i>B</i></td> <td>scarico bidirezionale</td> </tr> </table>	<i>S</i>	elemento utilizzato solo per scarico	<i>C</i>	elemento utilizzato per scarico e per modellazione piano rigido	<i>P</i>	elemento utilizzato come pannello	<i>M</i>	scarico monodirezionale	<i>B</i>	scarico bidirezionale
<i>S</i>	elemento utilizzato solo per scarico										
<i>C</i>	elemento utilizzato per scarico e per modellazione piano rigido										
<i>P</i>	elemento utilizzato come pannello										
<i>M</i>	scarico monodirezionale										
<i>B</i>	scarico bidirezionale										
Id.Arch.	Identificativo dell' archivio										
Mat	codice del materiale assegnato all'elemento										
Spessore	spessore dell'elemento (costante)										
Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali										
Gk	carico permanente solaio (comprensivo del peso proprio)										
Qk	carico variabile solaio										
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)										

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla progettazione con il metodo degli stati

limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.

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

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

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

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

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

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

Utilizzabile per il materiale [52].

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

Utilizzabile per il materiale [53].

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

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

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

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

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

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

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

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k kN/ m2	G2k kN/ m2	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	SM	1	m=12	1.0	0.0	1.00		4.00	7	10	15	13	
2	SM	1	m=12	1.0	0.0	1.00		4.00	15	16	14	13	
3	SM	1	m=12	1.0	0.0	1.00		4.00	30	28	27	29	
4	SM	1	m=12	1.0	0.0	1.00		4.00	20	18	17	19	
5	SM	1	m=12	1.0	0.0	1.00		4.00	2	5	19	17	
6	SM	1	m=12	1.0	0.0	1.00		4.00	31	32	25	23	
7	SM	1	m=12	1.0	0.0	1.00		4.00	25	26	24	23	
8	SM	1	m=12	1.0	0.0	1.00		4.00	21	22	29	27	
9	SM	1	m=12	1.0	90.0	1.00		4.00	37	9	6	46	
10	SM	1	m=12	1.0	90.0	1.00		4.00	36	4	1	43	
11	SM	1	m=12	1.0	0.0	1.00		4.00	14	36	43	13	
12	SM	1	m=12	1.0	0.0	1.00		4.00	4	20	19	1	
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO							PROGETTO STRUTTURE						
TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE							PAG. 30 DI 722						

13	SM	1	m=12	1.0	0.0	1.00		4.00	9	30	29	6		
14	SM	1	m=12	1.0	0.0	1.00		4.00	24	37	46	23		
15	CM	2	m=57	1.0	90.0	0.90	0.50	1.20	56	62	63	64	38	
16	CM	2	m=57	1.0	90.0	0.90	0.50	1.20	62	56	57	61	60	
17	CM	2	m=57	1.0	90.0	0.90	0.50	1.20	63	61	57	58	59	60

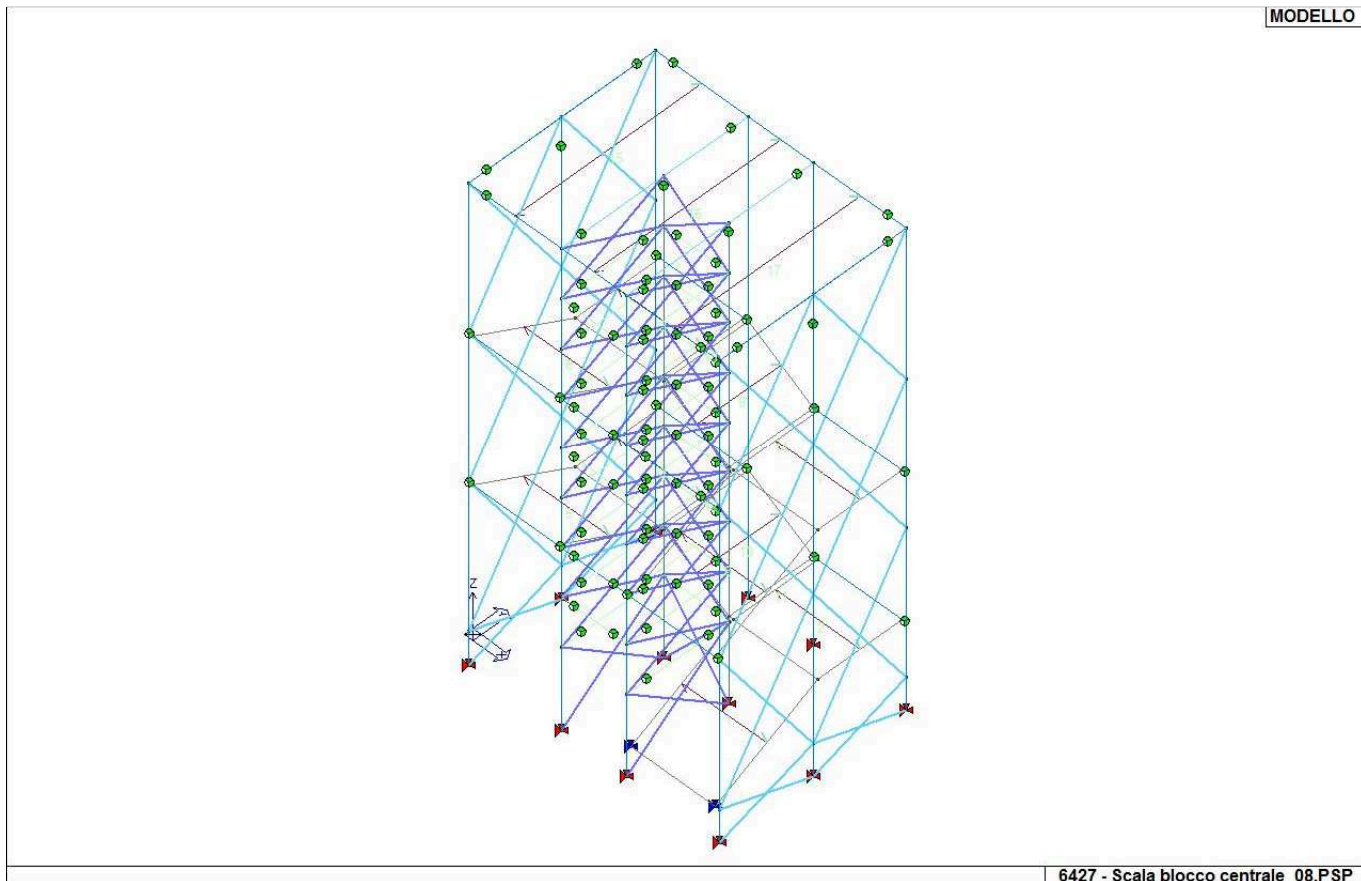


Figura 7: Numerazioni solai

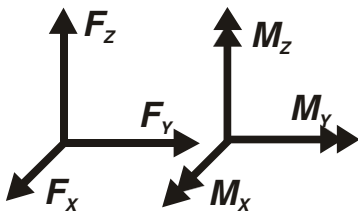
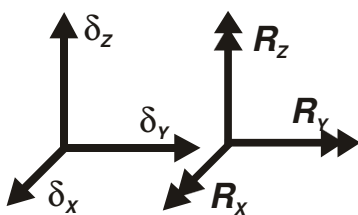
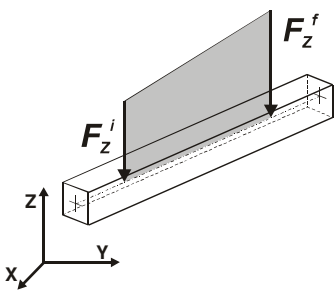
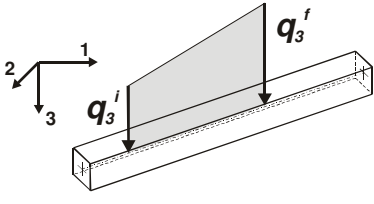
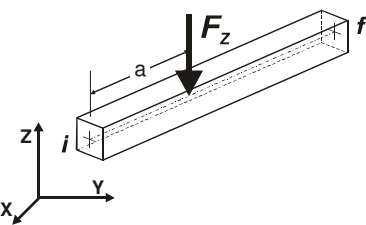
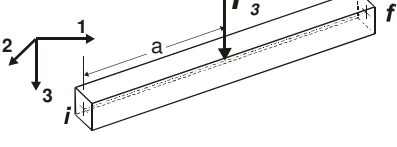
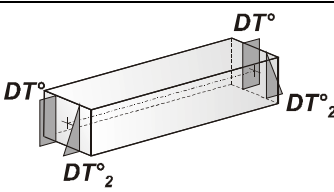
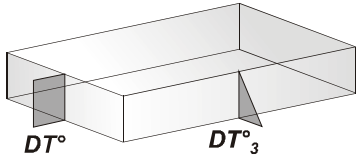
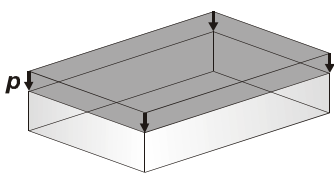
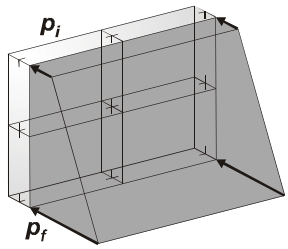
9 MODELLAZIONE DELLE AZIONI

9.1 LEGENDA TABELLA DATI AZIONI

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

1	carico concentrato nodale 6 dati (forza F_x , F_y , F_z , momento M_x , M_y , M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x , T_y , T_z , rotazione R_x , R_y , R_z)
3	carico distribuito globale su elemento tipo trave 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di inizio carico) 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di inizio carico) 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di fine carico)

5	carico concentrato globale su elemento tipo trave 7 dati ($F_x, F_y, F_z, M_x, M_y, M_z$, ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati ($F_1, F_2, F_3, M_1, M_2, M_3$, ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)

 <p>Carico concentrato nodale</p>	 <p>Spostamento impresso</p>
 <p>Carico distribuito globale</p>	 <p>Carico distribuito locale</p>
 <p>Carico concentrato globale</p>	 <p>Carico concentrato locale</p>
 <p>Carico termico 2D</p>	 <p>Carico termico 3D</p>
 <p>Carico pressione uniforme</p>	 <p>Carico pressione variabile</p>

Tipo carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		m	kN/ m	kN/ m	kN/ m	kN	kN	kN
1	Vento-DG:Fyi=-0.65 Fyf=-0.65	0.0	0.0	-0.65	0.0	0.0	0.0	0.0
		0.0	0.0	-0.65	0.0	0.0	0.0	0.0
2	Vento2-DG:Fyi=-0.45 Fyf=-0.45	0.0	0.0	-0.45	0.0	0.0	0.0	0.0
		0.0	0.0	-0.45	0.0	0.0	0.0	0.0
3	Vetro-DG:Fzi=-1.00 Fzf=-1.00	0.0	0.0	0.0	-1.00	0.0	0.0	0.0
		0.0	0.0	0.0	-1.00	0.0	0.0	0.0
4	Ceramica-DG:Fzi=-2.50 Fzf=-2.50	0.0	0.0	0.0	-2.50	0.0	0.0	0.0
		0.0	0.0	0.0	-2.50	0.0	0.0	0.0
5	Ceramica2-DG:Fzi=-3.50 Fzf=-3.50	0.0	0.0	0.0	-3.50	0.0	0.0	0.0
		0.0	0.0	0.0	-3.50	0.0	0.0	0.0

10 SCHEMATIZZAZIONE DEI CASI DI CARICO

10.1 LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

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

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

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

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

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

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

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

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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Qsk	CDC=Qsk (variabile solai)	
4	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura) partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture) partecipazione:1.00 per 3 CDC=Qsk (variabile solai) partecipazione:1.00 per 13 CDC=G1k Vetro (permanente generico) partecipazione:1.00 per 14 CDC=G1k Lastre ceramica (permanente generico)
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
6	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
12	Qvk	CDC=Qvk (carico da vento)	D2 : 161 Azione : Vento-DG:Fyi=-0.65 Fyf=-0.65 D2 : 161 Azione : Vento2-DG:Fyi=-0.45 Fyf=-0.45 D2 :da 177 a 178 Azione : Vento-DG:Fyi=-0.65 Fyf=-0.65 D2 :da 180 a 183 Azione : Vento-DG:Fyi=-0.65 Fyf=-0.65 D2 : 192 Azione : Vento-DG:Fyi=-0.65 Fyf=-0.65 D2 : 196 Azione : Vento-DG:Fyi=-0.65 Fyf=-0.65 D2 : 196 Azione : Vento2-DG:Fyi=-0.45 Fyf=-0.45 D2 : 204 Azione : Vento-DG:Fyi=-0.65 Fyf=-0.65 D2 :da 209 a 212 Azione : Vento-DG:Fyi=-0.65 Fyf=-0.65 D2 :da 230 a 233 Azione : Vento-DG:Fyi=-0.65 Fyf=-0.65
13	Gk	CDC=G1k Vetro (permanente generico)	D2 :da 87 a 89 Azione : Vetro-DG:Fzi=-1.00 Fzf=-1.00 D2 :da 91 a 93 Azione : Vetro-DG:Fzi=-1.00 Fzf=-1.00 D2 :da 95 a 101 Azione : Vetro-DG:Fzi=-1.00 Fzf=-1.00 D2 :da 103 a 105 Azione : Vetro-DG:Fzi=-1.00 Fzf=-1.00 D2 :da 107 a 113 Azione : Vetro-DG:Fzi=-1.00 Fzf=-1.00 D2 : 115 Azione : Vetro-DG:Fzi=-1.00 Fzf=-1.00 D2 : 228 Azione : Vetro-DG:Fzi=-1.00 Fzf=-1.00 D2 :da 244 a 245 Azione : Vetro-DG:Fzi=-1.00 Fzf=-1.00
14	Gk	CDC=G1k Lastre ceramica (permanente generico)	D2 :da 154 a 155 Azione : Ceramica-DG:Fzi=-2.50 Fzf=-2.50 D2 : 175 Azione : Ceramica2-DG:Fzi=-3.50 Fzf=-3.50 D2 : 220 Azione : Ceramica2-DG:Fzi=-3.50 Fzf=-3.50
15	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	come precedente CDC sismico
16	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	come precedente CDC sismico
17	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. +)	come precedente CDC sismico
18	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. -)	come precedente CDC sismico
19	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. +)	come precedente CDC sismico
20	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	come precedente CDC sismico

11 DEFINIZIONE DELLE COMBINAZIONI

11.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

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

Combinazione fondamentale SLU

$$\gamma G_1 \cdot G_1 + \gamma G_2 \cdot G_2 + \gamma P \cdot P + \gamma Q_1 \cdot Q_{k1} + \gamma Q_2 \cdot \psi_{02} \cdot Q_{k2} + \gamma Q_3 \cdot \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione caratteristica (rara) SLE

$$G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione frequente SLE

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione quasi permanente SLE

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

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

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

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

$$G_1 + G_2 + A_d + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Dove:

NTC 2018 Tabella 2.5.1

Destinazione d'uso/azione	ψ_0	ψ_1	ψ_2
<i>Categoria A residenziali</i>	0,70	0,50	0,30
<i>Categoria B uffici</i>	0,70	0,50	0,30
<i>Categoria C ambienti suscettibili di affollamento</i>	0,70	0,70	0,60
<i>Categoria D ambienti ad uso commerciale</i>	0,70	0,70	0,60
<i>Categoria E biblioteche, archivi, magazzini,...</i>	1,00	0,90	0,80
<i>Categoria F Rimesse e parcheggi (autoveicoli $\leq 30kN$)</i>	0,70	0,70	0,60
<i>Categoria G Rimesse e parcheggi (autoveicoli $> 30kN$)</i>	0,70	0,50	0,30
<i>Categoria H Coperture</i>	0,00	0,00	0,00
<i>Vento</i>	0,60	0,20	0,00
<i>Neve a quota $\leq 1000 m$</i>	0,50	0,20	0,00
<i>Neve a quota $> 1000 m$</i>	0,70	0,50	0,20
<i>Variazioni Termiche</i>	0,60	0,50	0,00

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

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

NTC 2018 Tabella 2.6.1

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

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLE(r)	Comb. SLE(rara) 9	
10	SLE(r)	Comb. SLE(rara) 10	
11	SLE(r)	Comb. SLE(rara) 11	
12	SLE(r)	Comb. SLE(rara) 12	
13	SLE(f)	Comb. SLE(freq.) 13	
14	SLE(f)	Comb. SLE(freq.) 14	
15	SLE(f)	Comb. SLE(freq.) 15	
16	SLE(f)	Comb. SLE(freq.) 16	
17	SLE(p)	Comb. SLE(perm.) 17	
18	SLE(p)	Comb. SLE(perm.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLU	Comb. SLU A1 (SLV sism.) 45	
46	SLU	Comb. SLU A1 (SLV sism.) 46	
47	SLU	Comb. SLU A1 (SLV sism.) 47	
48	SLU	Comb. SLU A1 (SLV sism.) 48	
49	SLU	Comb. SLU A1 (SLV sism.) 49	
50	SLU	Comb. SLU A1 (SLV sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	

Cmb	Tipo	Sigla Id	effetto P-delta
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLD(sis)	Comb. SLE (SLD Danno sism.) 77	
78	SLD(sis)	Comb. SLE (SLD Danno sism.) 78	
79	SLD(sis)	Comb. SLE (SLD Danno sism.) 79	
80	SLD(sis)	Comb. SLE (SLD Danno sism.) 80	
81	SLD(sis)	Comb. SLE (SLD Danno sism.) 81	
82	SLD(sis)	Comb. SLE (SLD Danno sism.) 82	
83	SLD(sis)	Comb. SLE (SLO Operativo sism.) 83	
84	SLD(sis)	Comb. SLE (SLO Operativo sism.) 84	
85	SLD(sis)	Comb. SLE (SLO Operativo sism.) 85	
86	SLD(sis)	Comb. SLE (SLO Operativo sism.) 86	
87	SLU	Comb. SLU A1 (SLC sism.) 87	
88	SLU	Comb. SLU A1 (SLC sism.) 88	
89	SLU	Comb. SLU A1 (SLC sism.) 89	
90	SLU	Comb. SLU A1 (SLC sism.) 90	
91	SLU	Comb. SLU A1 (SLC sism.) 91	
92	SLU	Comb. SLU A1 (SLC sism.) 92	
93	SLU	Comb. SLU A1 (SLC sism.) 93	
94	SLU	Comb. SLU A1 (SLC sism.) 94	
95	SLU	Comb. SLU A1 (SLC sism.) 95	
96	SLU	Comb. SLU A1 (SLC sism.) 96	
97	SLU	Comb. SLU A1 (SLC sism.) 97	
98	SLU	Comb. SLU A1 (SLC sism.) 98	
99	SLU	Comb. SLU A1 (SLC sism.) 99	
100	SLU	Comb. SLU A1 (SLC sism.) 100	
101	SLU	Comb. SLU A1 (SLC sism.) 101	
102	SLU	Comb. SLU A1 (SLC sism.) 102	
103	SLU	Comb. SLU A1 (SLC sism.) 103	
104	SLU	Comb. SLU A1 (SLC sism.) 104	
105	SLU	Comb. SLU A1 (SLC sism.) 105	
106	SLU	Comb. SLU A1 (SLC sism.) 106	
107	SLU	Comb. SLU A1 (SLC sism.) 107	
108	SLU	Comb. SLU A1 (SLC sism.) 108	
109	SLU	Comb. SLU A1 (SLC sism.) 109	
110	SLU	Comb. SLU A1 (SLC sism.) 110	
111	SLU	Comb. SLU A1 (SLC sism.) 111	
112	SLU	Comb. SLU A1 (SLC sism.) 112	
113	SLU	Comb. SLU A1 (SLC sism.) 113	
114	SLU	Comb. SLU A1 (SLC sism.) 114	
115	SLU	Comb. SLU A1 (SLC sism.) 115	
116	SLU	Comb. SLU A1 (SLC sism.) 116	
117	SLU	Comb. SLU A1 (SLC sism.) 117	
118	SLU	Comb. SLU A1 (SLC sism.) 118	

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

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0								
9	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
10	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.60	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
11	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
12	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
13	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
14	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
15	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
16	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
17	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
18	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
19	1.00	1.00	0.30	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
20	1.00	1.00	0.30	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
21	1.00	1.00	0.30	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
22	1.00	1.00	0.30	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
23	1.00	1.00	0.30	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
24	1.00	1.00	0.30	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
25	1.00	1.00	0.30	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
26	1.00	1.00	0.30	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
27	1.00	1.00	0.30	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
28	1.00	1.00	0.30	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
29	1.00	1.00	0.30	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
30	1.00	1.00	0.30	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
31	1.00	1.00	0.30	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
32	1.00	1.00	0.30	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
33	1.00	1.00	0.30	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
34	1.00	1.00	0.30	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
35	1.00	1.00	0.30	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
36	1.00	1.00	0.30	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
37	1.00	1.00	0.30	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
38	1.00	1.00	0.30	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
39	1.00	1.00	0.30	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
40	1.00	1.00	0.30	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
41	1.00	1.00	0.30	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
42	1.00	1.00	0.30	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
43	1.00	1.00	0.30	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
44	1.00	1.00	0.30	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
45	1.00	1.00	0.30	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
46	1.00	1.00	0.30	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
47	1.00	1.00	0.30	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
48	1.00	1.00	0.30	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
49	1.00	1.00	0.30	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
50	1.00	1.00	0.30	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
51	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
52	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
53	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
54	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
55	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
56	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
57	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
58	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
59	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
60	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
61	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
62	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
63	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
64	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
65	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
66	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
67	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
68	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
69	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
70	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
71	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
72	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
73	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
74	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
75	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
76	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
77	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
78	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
79	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00	1.00

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0								
80	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
81	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
82	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	1.00	1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
83	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	-1.00	0.0	0.0	0.0	0.0	0.0								
84	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	1.00	0.0	0.0	0.0	0.0	0.0								
85	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	-1.00	0.0	0.0	0.0	0.0								
86	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	1.00	0.0	0.0	0.0	0.0								
87	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	-1.00	0.0	-0.30	0.0								
88	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	-1.00	0.0	0.30	0.0								
89	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	1.00	0.0	-0.30	0.0								
90	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	1.00	0.0	0.30	0.0								
91	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	-1.00	0.0	0.0	-0.30								
92	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	-1.00	0.0	0.0	0.30								
93	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	1.00	0.0	0.0	-0.30								
94	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	1.00	0.0	0.0	0.30								
95	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	-1.00	-0.30	0.0								
96	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	-1.00	0.30	0.0								
97	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	1.00	-0.30	0.0								
98	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	1.00	0.30	0.0								
99	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	-1.00	0.0	-0.30								
100	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	-1.00	0.0	0.30								
101	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	1.00	0.0	-0.30								
102	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	1.00	0.0	0.30								
103	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	-0.30	0.0	-1.00	0.0								
104	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	-0.30	0.0	1.00	0.0								
105	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.30	0.0	-1.00	0.0								
106	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.30	0.0	1.00	0.0								
107	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	-0.30	-1.00	0.0								
108	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	-0.30	1.00	0.0								
109	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.30	-1.00	0.0								
110	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.30	1.00	0.0								
111	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	-0.30	0.0	0.0	-1.00								
112	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	-0.30	0.0	0.0	1.00								
113	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.30	0.0	0.0	-1.00								
114	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.30	0.0	0.0	1.00								

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
115	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	-0.30	0.0	-1.00								
116	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	-0.30	0.0	1.00								
117	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.30	0.0	-1.00								
118	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
	0.0	0.0	0.0	0.30	0.0	1.00								

12 AZIONE SISMICA

12.1 VALUTAZIONE DELL' AZIONE SISMICA

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

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

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

ag: accelerazione orizzontale massima del terreno;

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

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

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

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

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

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

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

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

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

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

Id nodo	Longitudine	Latitudine	Distanza
			Km

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

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

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

13 RISULTATI ANALISI SISMICHE

13.1 LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

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

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

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

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

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

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

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

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

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare 619/2009 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE , area ridotta e dimensione A_2 , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

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

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

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

Affinché la verifica sia positiva deve essere:

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE	PAG. 43 DI 722

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

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

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

CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.329 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	0.0	-0.23	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	0.0	-0.12	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	0.0	-0.12	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	0.0	-0.23	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	0.0	-0.12	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	0.0	-0.10	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	0.0	-0.10	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	0.0	-0.12	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	0.0	-0.23	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	0.0	-0.12	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	0.0	-0.10	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	0.0	-0.10	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	0.0	-0.12	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.409	2.447	0.121	7.03	2.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.416	2.403	0.121	6.80	1.9	0.0	0.0	0.0	0.0	0.0	0.0
3	0.430	2.326	0.121	15.99	4.5	0.0	0.0	0.0	0.0	0.0	0.0
4	0.430	2.324	0.121	0.85	0.2	0.0	0.0	0.0	0.0	0.0	0.0
5	0.432	2.315	0.121	6.30	1.8	0.0	0.0	0.0	0.0	0.0	0.0
6	0.438	2.284	0.121	12.55	3.5	0.0	0.0	0.0	0.0	0.0	0.0
7	0.438	2.282	0.121	0.79	0.2	0.0	0.0	0.0	0.0	0.0	0.0
8	0.440	2.273	0.121	5.58	1.6	0.0	0.0	0.0	0.0	0.0	0.0
9	3.042	0.329	0.524	234.75	66.3	4.57e-03	1.29e-03	4.08e-05	1.15e-05	0.0	0.0
10	4.624	0.216	0.367	5.28	1.5	8.29e-03	2.34e-03	5.01e-03	1.41e-03	0.0	0.0
11	5.491	0.182	0.355	0.43	0.1	20.74	5.9	1.64	0.5	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
12	5.496	0.182	0.355	0.36	0.1	22.99	6.5	1.37	0.4	0.0	0.0
13	5.586	0.179	0.353	7.76e-03	2.19e-03	8.14	2.3	8.28	2.3	0.0	0.0
14	5.683	0.176	0.349	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	6.311	0.158	0.326	7.70	2.2	2.87e-03	8.10e-04	2.76e-03	7.81e-04	0.0	0.0
16	6.966	0.144	0.302	2.65e-04	7.50e-05	1.32	0.4	1.05	0.3	0.0	0.0
17	7.955	0.126	0.276	1.90e-04	5.37e-05	2.83	0.8	2.00	0.6	0.0	0.0
18	9.306	0.107	0.275	0.18	5.04e-02	48.18	13.6	0.09	2.55e-02	0.0	0.0
19	9.447	0.106	0.275	0.20	5.70e-02	51.93	14.7	1.86	0.5	0.0	0.0
20	9.807	0.102	0.277	0.22	6.15e-02	88.39	25.0	0.14	4.08e-02	0.0	0.0
21	10.015	0.100	0.278	0.82	0.2	23.48	6.6	0.01	3.94e-03	0.0	0.0
22	11.242	0.089	0.254	0.07	2.05e-02	0.42	0.1	6.86	1.9	0.0	0.0
23	11.789	0.085	0.245	0.13	3.77e-02	0.52	0.1	5.94	1.7	0.0	0.0
24	12.585	0.079	0.234	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	13.044	0.077	0.228	0.19	5.34e-02	2.14e-04	6.05e-05	0.38	0.1	0.0	0.0
26	13.954	0.072	0.218	7.66	2.2	0.03	9.60e-03	1.48	0.4	0.0	0.0
27	15.969	0.063	0.199	0.02	4.98e-03	0.25	7.20e-02	2.82	0.8	0.0	0.0
28	17.063	0.059	0.192	18.02	5.1	0.05	1.29e-02	6.14e-04	1.73e-04	0.0	0.0
29	18.562	0.054	0.187	0.14	4.07e-02	3.03	0.9	0.01	3.28e-03	0.0	0.0
30	19.242	0.052	0.185	0.03	9.57e-03	1.23e-03	3.46e-04	0.02	5.36e-03	0.0	0.0
31	19.296	0.052	0.185	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	20.187	0.050	0.183	4.17	1.2	8.97e-03	2.53e-03	0.40	0.1	0.0	0.0
33	21.071	0.047	0.181	9.01	2.5	0.02	6.51e-03	0.03	8.45e-03	0.0	0.0
34	23.771	0.042	0.175	1.96e-03	5.53e-04	43.42	12.3	0.05	1.44e-02	0.0	0.0
35	26.130	0.038	0.173	0.80	0.2	3.96e-04	1.12e-04	8.04e-04	2.27e-04	0.0	0.0
36	29.895	0.033	0.172	1.34	0.4	0.09	2.48e-02	1.24	0.4	0.0	0.0
37	30.070	0.033	0.172	0.79	0.2	0.25	7.04e-02	2.06	0.6	0.0	0.0
38	31.922	0.031	0.172	8.98e-05	2.54e-05	2.16	0.6	1.94	0.5	0.0	0.0
39	33.949	0.029	0.171	0.01	3.53e-03	0.84	0.2	1.99	0.6	0.0	0.0
40	35.975	0.028	0.171	0.01	4.07e-03	0.96	0.3	3.17	0.9	0.0	0.0
41	39.381	0.025	0.171	4.38e-03	1.24e-03	2.01	0.6	5.55	1.6	0.0	0.0
42	42.676	0.023	0.170	0.93	0.3	3.27e-03	9.23e-04	2.17	0.6	0.0	0.0
43	44.799	0.022	0.170	3.53	1.0	1.92e-03	5.44e-04	0.06	1.69e-02	0.0	0.0
44	46.101	0.022	0.170	0.02	5.73e-03	0.12	3.31e-02	49.35	13.9	0.0	0.0
45	47.077	0.021	0.170	3.95e-03	1.12e-03	0.08	2.19e-02	47.35	13.4	0.0	0.0
46	49.752	0.020	0.170	0.05	1.52e-02	0.18	5.09e-02	30.25	8.5	0.0	0.0
47	55.436	0.018	0.170	4.10e-04	1.16e-04	0.12	3.30e-02	69.57	19.7	0.0	0.0
48	59.605	0.017	0.170	0.02	5.37e-03	9.21	2.6	8.62	2.4	0.0	0.0
49	62.078	0.016	0.170	0.01	3.21e-03	6.19	1.7	25.15	7.1	0.0	0.0
50	66.261	0.015	0.170	0.49	0.1	7.36e-03	2.08e-03	1.77	0.5	0.0	0.0
51	70.333	0.014	0.170	5.19e-04	1.47e-04	12.88	3.6	12.24	3.5	0.0	0.0
52	78.948	0.013	0.170	0.01	3.90e-03	9.02e-03	2.55e-03	22.33	6.3	0.0	0.0
53	93.107	0.011	0.170	0.31	8.88e-02	0.02	4.34e-03	1.07	0.3	0.0	0.0
54	100.680	0.010	0.170	4.05e-03	1.14e-03	1.51	0.4	2.28e-03	6.43e-04	0.0	0.0
55	122.583	0.008	0.170	0.04	1.18e-02	3.15e-03	8.91e-04	17.07	4.8	0.0	0.0
56	137.542	0.007	0.170	0.20	5.53e-02	9.68e-05	2.74e-05	2.64	0.7	0.0	0.0
57	155.443	0.006	0.170	1.73e-04	4.89e-05	1.44	0.4	0.82	0.2	0.0	0.0
58	200.013	0.005	0.170	1.15e-03	3.25e-04	5.46e-03	1.54e-03	11.75	3.3	0.0	0.0
Risulta				353.87		353.85		352.63			
In percentuale				100.00		99.99		99.65			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.324 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	0.0	0.23	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	0.0	0.12	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	0.0	0.12	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	0.0	0.23	2.92	1.77	1.144	0.081	0.153

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
6.00	12.75	2.94	1.24	0.0	0.12	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	0.0	0.10	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	0.0	0.10	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	0.0	0.12	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	0.0	0.23	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	0.0	0.12	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	0.0	0.10	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	0.0	0.10	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	0.0	0.12	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.455	2.199	0.121	5.68	1.6	0.0	0.0	0.0	0.0	0.0	0.0
2	0.463	2.159	0.121	5.49	1.6	0.0	0.0	0.0	0.0	0.0	0.0
3	0.481	2.078	0.121	6.92	2.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.483	2.069	0.121	10.20	2.9	0.0	0.0	0.0	0.0	0.0	0.0
5	0.484	2.067	0.121	1.51	0.4	0.0	0.0	0.0	0.0	0.0	0.0
6	0.490	2.040	0.121	5.86	1.7	0.0	0.0	0.0	0.0	0.0	0.0
7	0.492	2.031	0.121	7.98	2.3	0.0	0.0	0.0	0.0	0.0	0.0
8	0.493	2.029	0.121	1.35	0.4	0.0	0.0	0.0	0.0	0.0	0.0
9	3.085	0.324	0.540	248.31	70.2	2.95e-03	8.35e-04	1.43e-04	4.05e-05	0.0	0.0
10	4.489	0.223	0.381	0.46	0.1	0.01	4.08e-03	3.08e-03	8.69e-04	0.0	0.0
11	5.182	0.193	0.357	5.15e-03	1.45e-03	5.96e-03	1.68e-03	1.81e-03	5.11e-04	0.0	0.0
12	5.217	0.192	0.357	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	5.493	0.182	0.355	0.0	0.0	43.68	12.3	3.01	0.9	0.0	0.0
14	5.586	0.179	0.353	6.56e-03	1.85e-03	8.18	2.3	8.29	2.3	0.0	0.0
15	6.242	0.160	0.328	5.95	1.7	2.20e-03	6.22e-04	1.40e-04	3.96e-05	0.0	0.0
16	6.966	0.144	0.302	6.12e-04	1.73e-04	1.32	0.4	1.05	0.3	0.0	0.0
17	7.955	0.126	0.276	2.63e-04	7.42e-05	2.84	0.8	2.00	0.6	0.0	0.0
18	9.302	0.107	0.275	0.11	3.08e-02	47.90	13.5	0.10	2.72e-02	0.0	0.0
19	9.447	0.106	0.275	0.11	3.05e-02	52.23	14.8	1.86	0.5	0.0	0.0
20	9.808	0.102	0.277	0.09	2.47e-02	90.65	25.6	0.14	3.93e-02	0.0	0.0
21	10.042	0.100	0.277	0.37	0.1	21.21	6.0	8.05e-03	2.28e-03	0.0	0.0
22	11.250	0.089	0.254	0.02	4.48e-03	0.50	0.1	6.69	1.9	0.0	0.0
23	11.813	0.085	0.245	0.03	7.86e-03	0.45	0.1	6.62	1.9	0.0	0.0
24	12.388	0.081	0.236	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	12.804	0.078	0.231	0.81	0.2	1.81e-03	5.12e-04	1.99e-03	5.62e-04	0.0	0.0
26	14.858	0.067	0.209	11.52	3.3	0.09	2.49e-02	2.51	0.7	0.0	0.0
27	14.904	0.067	0.208	15.84	4.5	1.33e-03	3.77e-04	0.32	9.14e-02	0.0	0.0
28	16.548	0.060	0.194	0.13	3.73e-02	0.31	8.89e-02	1.15	0.3	0.0	0.0
29	17.796	0.056	0.190	1.36e-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	17.829	0.056	0.190	3.83e-04	1.08e-04	0.01	3.57e-03	0.06	1.57e-02	0.0	0.0
31	18.569	0.054	0.187	0.54	0.2	2.77	0.8	0.10	2.86e-02	0.0	0.0
32	19.275	0.052	0.185	9.74	2.8	0.19	5.29e-02	0.49	0.1	0.0	0.0
33	20.351	0.049	0.182	3.62	1.0	7.71e-04	2.18e-04	9.32e-03	2.63e-03	0.0	0.0
34	21.038	0.048	0.181	3.21	0.9	2.96e-03	8.37e-04	0.01	3.96e-03	0.0	0.0
35	23.769	0.042	0.175	3.21e-04	9.06e-05	43.44	12.3	0.05	1.48e-02	0.0	0.0
36	29.992	0.033	0.172	2.22e-04	6.27e-05	0.33	9.41e-02	3.25	0.9	0.0	0.0
37	31.922	0.031	0.172	2.28e-03	6.43e-04	2.17	0.6	1.91	0.5	0.0	0.0
38	32.920	0.030	0.171	0.51	0.1	1.73e-03	4.88e-04	3.45e-03	9.76e-04	0.0	0.0
39	33.421	0.030	0.171	1.72	0.5	0.03	8.91e-03	0.11	3.03e-02	0.0	0.0
40	33.971	0.029	0.171	0.16	4.55e-02	0.80	0.2	1.98	0.6	0.0	0.0
41	35.971	0.028	0.171	0.02	4.66e-03	0.98	0.3	3.13	0.9	0.0	0.0
42	39.412	0.025	0.171	0.02	4.59e-03	1.98	0.6	5.73	1.6	0.0	0.0
43	41.420	0.024	0.171	3.15	0.9	3.63e-03	1.03e-03	0.60	0.2	0.0	0.0
44	44.613	0.022	0.170	0.04	1.10e-02	0.12	3.26e-02	17.13	4.8	0.0	0.0
45	47.030	0.021	0.170	0.25	7.20e-02	0.09	2.67e-02	64.77	18.3	0.0	0.0
46	48.008	0.021	0.170	0.74	0.2	1.46e-03	4.12e-04	38.34	10.8	0.0	0.0
47	52.312	0.019	0.170	0.15	4.22e-02	0.29	8.07e-02	12.28	3.5	0.0	0.0
48	56.342	0.018	0.170	2.96e-03	8.37e-04	0.04	9.95e-03	86.53	24.5	0.0	0.0
49	59.693	0.017	0.170	0.02	6.93e-03	11.57	3.3	0.07	1.99e-02	0.0	0.0
50	63.274	0.016	0.170	0.68	0.2	1.61	0.5	0.02	5.40e-03	0.0	0.0
51	67.648	0.015	0.170	0.02	6.39e-03	8.81	2.5	4.28	1.2	0.0	0.0
52	70.956	0.014	0.170	5.23e-03	1.48e-03	5.75	1.6	38.47	10.9	0.0	0.0
53	89.637	0.011	0.170	0.07	1.97e-02	1.47	0.4	0.19	5.32e-02	0.0	0.0
54	101.796	0.010	0.170	0.06	1.79e-02	0.18	5.16e-02	12.56	3.5	0.0	0.0
55	104.243	0.010	0.170	0.19	5.50e-02	0.18	5.03e-02	5.65	1.6	0.0	0.0
56	138.196	0.007	0.170	0.16	4.58e-02	0.41	0.1	0.38	0.1	0.0	0.0
57	153.392	0.007	0.170	0.03	7.58e-03	1.25	0.4	0.30	8.39e-02	0.0	0.0
58	169.479	0.006	0.170	2.15e-04	6.06e-05	1.42e-03	4.01e-04	19.90	5.6	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X % x g	M efficace Y % x g	M efficace Z % x g	Energia	Energia x v
Risulta				353.87	353.84	352.06		
In percentuale				100.00	99.99	99.49		

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.102 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	0.30	0.0	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	0.08	0.0	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	0.08	0.0	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	0.30	0.0	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	0.08	0.0	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	0.11	0.0	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	0.11	0.0	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	0.08	0.0	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	0.30	0.0	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	0.08	0.0	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	0.11	0.0	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	0.11	0.0	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	0.08	0.0	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X % x g	M efficace Y % x g	M efficace Z % x g	Energia	Energia x v
	Hz	sec	g	kN	kN	kN		
1	0.430	2.327	0.121	6.36	1.8	0.0	0.0	0.0
2	0.438	2.285	0.121	6.14	1.7	0.0	0.0	0.0
3	0.454	2.201	0.121	19.46	5.5	0.0	0.0	0.0
4	0.455	2.199	0.121	1.30	0.4	0.0	0.0	0.0
5	0.455	2.199	0.121	0.10	2.96e-02	0.0	0.0	0.0
6	0.463	2.161	0.121	15.75	4.4	0.0	0.0	0.0
7	0.463	2.160	0.121	1.24	0.3	0.0	0.0	0.0
8	0.463	2.159	0.121	0.10	2.85e-02	0.0	0.0	0.0
9	3.074	0.325	0.536	242.17	68.4	8.18e-05	2.31e-05	7.50e-05
10	4.544	0.220	0.369	2.63	0.7	9.40e-04	2.66e-04	4.31e-03
11	5.318	0.188	0.356	0.08	2.14e-02	2.98e-03	8.43e-04	7.56e-04
12	5.381	0.186	0.356	0.0	0.0	37.38	10.6	4.74
13	5.435	0.184	0.355	0.0	0.0	0.0	0.0	0.0
14	5.704	0.175	0.348	2.95e-03	8.32e-04	14.79	4.2	6.55
15	6.250	0.160	0.328	6.69	1.9	1.19e-04	3.36e-05	1.58e-03
16	6.835	0.146	0.306	3.94e-04	1.11e-04	1.60	0.5	1.00
17	8.105	0.123	0.273	4.21e-04	1.19e-04	2.35	0.7	2.03
18	9.196	0.109	0.274	0.17	4.73e-02	51.34	14.5	1.74
19	9.548	0.105	0.276	0.17	4.80e-02	51.31	14.5	0.06
20	9.822	0.102	0.277	0.19	5.28e-02	83.91	23.7	0.02
21	9.998	0.100	0.278	0.53	0.1	25.51	7.2	0.27
22	11.473	0.087	0.250	0.02	4.27e-03	0.80	0.2	5.64
23	11.563	0.086	0.249	0.08	2.40e-02	0.31	8.71e-02	7.46
24	12.491	0.080	0.235	0.0	0.0	0.0	0.0	0.0
25	12.927	0.077	0.229	0.55	0.2	3.72e-03	1.05e-03	0.08
26	14.382	0.070	0.213	7.65	2.2	7.12e-03	2.01e-03	2.23
27	15.846	0.063	0.200	16.45	4.6	0.01	3.29e-03	0.61
28	16.191	0.062	0.197	2.54	0.7	0.06	1.67e-02	1.52
29	18.454	0.054	0.188	1.72e-06	0.0	5.30e-06	1.50e-06	6.62e-06
30	18.455	0.054	0.188	2.84e-03	8.02e-04	0.04	1.02e-02	0.04
31	18.752	0.053	0.187	0.65	0.2	2.41	0.7	0.09
32	19.757	0.051	0.184	6.84	1.9	0.39	0.1	0.34

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
33	20.775	0.048	0.181	6.46	1.8	0.07	1.95e-02	0.01	2.86e-03	0.0	0.0
34	22.625	0.044	0.177	1.65	0.5	8.32e-06	2.35e-06	2.12e-03	6.00e-04	0.0	0.0
35	23.768	0.042	0.175	0.02	6.57e-03	43.31	12.2	0.04	1.02e-02	0.0	0.0
36	29.783	0.034	0.172	1.72e-03	4.86e-04	0.09	2.52e-02	4.74	1.3	0.0	0.0
37	31.538	0.032	0.172	1.87	0.5	0.06	1.71e-02	0.08	2.19e-02	0.0	0.0
38	32.133	0.031	0.172	0.15	4.25e-02	2.45	0.7	1.52	0.4	0.0	0.0
39	33.952	0.029	0.171	4.06e-03	1.15e-03	0.89	0.3	0.62	0.2	0.0	0.0
40	36.841	0.027	0.171	0.28	8.02e-02	0.03	9.76e-03	0.22	6.11e-02	0.0	0.0
41	37.008	0.027	0.171	1.42e-04	4.03e-05	0.26	7.38e-02	5.81	1.6	0.0	0.0
42	41.024	0.024	0.171	3.09e-05	8.75e-06	2.35	0.7	4.25	1.2	0.0	0.0
43	42.218	0.024	0.170	2.49	0.7	7.26e-04	2.05e-04	0.84	0.2	0.0	0.0
44	45.599	0.022	0.170	1.52	0.4	0.09	2.61e-02	19.62	5.5	0.0	0.0
45	46.604	0.021	0.170	0.34	9.71e-02	0.15	4.36e-02	50.95	14.4	0.0	0.0
46	48.117	0.021	0.170	6.89e-03	1.95e-03	0.02	5.98e-03	46.41	13.1	0.0	0.0
47	54.229	0.018	0.170	2.44e-04	6.89e-05	0.81	0.2	60.96	17.2	0.0	0.0
48	56.766	0.018	0.170	1.05e-06	0.0	6.81	1.9	17.56	5.0	0.0	0.0
49	62.189	0.016	0.170	0.02	5.11e-03	0.20	5.67e-02	35.18	9.9	0.0	0.0
50	64.978	0.015	0.170	0.48	0.1	4.63	1.3	1.19	0.3	0.0	0.0
51	66.273	0.015	0.170	0.21	5.80e-02	12.66	3.6	0.34	9.59e-02	0.0	0.0
52	73.905	0.014	0.170	7.58e-03	2.14e-03	3.81	1.1	30.02	8.5	0.0	0.0
53	92.702	0.011	0.170	0.03	7.67e-03	0.77	0.2	8.20	2.3	0.0	0.0
54	103.489	0.010	0.170	0.29	8.29e-02	0.21	5.87e-02	0.05	1.33e-02	0.0	0.0
55	119.497	0.008	0.170	0.03	8.97e-03	0.62	0.2	10.05	2.8	0.0	0.0
56	144.484	0.007	0.170	0.13	3.55e-02	0.04	1.15e-02	4.56	1.3	0.0	0.0
57	156.245	0.006	0.170	0.01	4.19e-03	1.15	0.3	1.60	0.5	0.0	0.0
58	182.902	0.005	0.170	2.94e-03	8.30e-04	0.12	3.40e-02	12.94	3.7	0.0	0.0
Risulta				353.87		353.85		352.19			
In percentuale				100.00		99.99		99.52			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.104 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	-0.30	0.0	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	-0.08	0.0	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	-0.08	0.0	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	-0.30	0.0	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	-0.08	0.0	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	-0.11	0.0	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	-0.11	0.0	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	-0.08	0.0	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	-0.30	0.0	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	-0.08	0.0	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	-0.11	0.0	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	-0.11	0.0	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	-0.08	0.0	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.430	2.327	0.121	6.36	1.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.438	2.285	0.121	6.14	1.7	0.0	0.0	0.0	0.0	0.0	0.0
3	0.454	2.201	0.121	19.46	5.5	0.0	0.0	0.0	0.0	0.0	0.0
4	0.455	2.199	0.121	1.30	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5	0.455	2.199	0.121	0.10	2.96e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	0.463	2.161	0.121	15.75	4.4	0.0	0.0	0.0	0.0	0.0	0.0
7	0.463	2.160	0.121	1.24	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8	0.463	2.159	0.121	0.10	2.85e-02	0.0	0.0	0.0	0.0	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
9	3.074	0.325	0.536	242.16	68.4	0.01	3.76e-03	9.30e-05	2.63e-05	0.0	0.0
10	4.544	0.220	0.369	2.63	0.7	0.06	1.79e-02	4.06e-03	1.15e-03	0.0	0.0
11	5.318	0.188	0.356	0.08	2.14e-02	8.96e-04	2.53e-04	7.13e-05	2.01e-05	0.0	0.0
12	5.435	0.184	0.355	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	5.461	0.183	0.355	6.91e-03	1.95e-03	28.83	8.1	3.64	1.0	0.0	0.0
14	5.627	0.178	0.351	6.71e-05	1.90e-05	22.81	6.4	7.72	2.2	0.0	0.0
15	6.249	0.160	0.328	6.69	1.9	8.01e-03	2.26e-03	1.12e-03	3.18e-04	0.0	0.0
16	7.103	0.141	0.297	4.73e-04	1.34e-04	1.02	0.3	1.09	0.3	0.0	0.0
17	7.811	0.128	0.279	1.36e-04	3.85e-05	3.24	0.9	1.96	0.6	0.0	0.0
18	9.055	0.110	0.273	0.16	4.46e-02	51.42	14.5	0.10	2.92e-02	0.0	0.0
19	9.624	0.104	0.276	0.12	3.34e-02	106.93	30.2	0.55	0.2	0.0	0.0
20	9.698	0.103	0.277	0.34	9.72e-02	19.17	5.4	1.46	0.4	0.0	0.0
21	10.156	0.098	0.275	0.44	0.1	34.67	9.8	0.02	5.41e-03	0.0	0.0
22	11.034	0.091	0.258	0.06	1.59e-02	0.29	8.10e-02	6.57	1.9	0.0	0.0
23	12.061	0.083	0.241	0.06	1.69e-02	0.54	0.2	6.63	1.9	0.0	0.0
24	12.491	0.080	0.235	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	12.927	0.077	0.229	0.57	0.2	2.36e-04	6.68e-05	0.10	2.87e-02	0.0	0.0
26	14.465	0.069	0.212	8.00	2.3	0.10	2.83e-02	1.81	0.5	0.0	0.0
27	15.872	0.063	0.200	17.65	5.0	1.62e-05	4.57e-06	0.29	8.12e-02	0.0	0.0
28	16.255	0.062	0.197	1.04	0.3	0.72	0.2	1.92	0.5	0.0	0.0
29	17.916	0.056	0.189	2.60e-03	7.35e-04	2.87	0.8	0.15	4.13e-02	0.0	0.0
30	18.450	0.054	0.188	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	18.463	0.054	0.188	0.03	8.29e-03	4.26e-03	1.20e-03	0.02	6.58e-03	0.0	0.0
32	20.023	0.050	0.183	12.22	3.5	0.04	1.00e-02	0.43	0.1	0.0	0.0
33	21.760	0.046	0.179	1.64	0.5	0.78	0.2	0.05	1.38e-02	0.0	0.0
34	22.625	0.044	0.177	1.61	0.5	0.02	6.71e-03	3.70e-03	1.05e-03	0.0	0.0
35	23.926	0.042	0.175	0.01	3.45e-03	42.63	12.0	0.05	1.38e-02	0.0	0.0
36	29.686	0.034	0.172	1.04e-05	2.95e-06	1.35	0.4	0.71	0.2	0.0	0.0
37	30.990	0.032	0.172	0.04	1.12e-02	0.72	0.2	3.48	1.0	0.0	0.0
38	31.581	0.032	0.172	1.98	0.6	1.18e-03	3.33e-04	0.11	3.10e-02	0.0	0.0
39	34.534	0.029	0.171	0.03	7.19e-03	1.35	0.4	1.93	0.5	0.0	0.0
40	36.124	0.028	0.171	0.04	1.09e-02	1.72	0.5	3.51	1.0	0.0	0.0
41	36.827	0.027	0.171	0.23	6.48e-02	0.02	4.78e-03	0.21	5.90e-02	0.0	0.0
42	38.889	0.026	0.171	0.03	8.13e-03	1.21	0.3	5.64	1.6	0.0	0.0
43	42.313	0.024	0.170	2.50	0.7	5.42e-04	1.53e-04	1.25	0.4	0.0	0.0
44	45.637	0.022	0.170	1.54	0.4	0.10	2.92e-02	19.91	5.6	0.0	0.0
45	46.256	0.022	0.170	0.29	8.32e-02	0.15	4.28e-02	60.60	17.1	0.0	0.0
46	49.334	0.020	0.170	5.87e-03	1.66e-03	0.10	2.73e-02	50.01	14.1	0.0	0.0
47	52.637	0.019	0.170	1.44e-04	4.06e-05	0.21	5.93e-02	9.38	2.7	0.0	0.0
48	56.966	0.018	0.170	6.23e-04	1.76e-04	0.07	2.11e-02	82.27	23.2	0.0	0.0
49	60.841	0.016	0.170	3.20e-03	9.04e-04	16.60	4.7	0.98	0.3	0.0	0.0
50	65.436	0.015	0.170	0.71	0.2	0.02	6.30e-03	0.05	1.46e-02	0.0	0.0
51	70.366	0.014	0.170	7.31e-06	2.07e-06	0.68	0.2	27.87	7.9	0.0	0.0
52	72.710	0.014	0.170	1.17e-04	3.30e-05	10.13	2.9	9.95	2.8	0.0	0.0
53	96.665	0.010	0.170	7.48e-05	2.11e-05	1.62	0.5	3.55	1.0	0.0	0.0
54	103.789	0.010	0.170	0.35	9.90e-02	7.14e-04	2.02e-04	0.08	2.14e-02	0.0	0.0
55	105.361	0.009	0.170	9.35e-04	2.64e-04	0.20	5.58e-02	16.39	4.6	0.0	0.0
56	148.518	0.007	0.170	0.14	4.04e-02	2.76e-06	0.0	6.67e-03	1.89e-03	0.0	0.0
57	154.974	0.006	0.170	3.78e-04	1.07e-04	1.38	0.4	2.21	0.6	0.0	0.0
58	173.458	0.006	0.170	2.27e-05	6.40e-06	0.04	1.05e-02	17.48	4.9	0.0	0.0
Risulta				353.87		353.85		352.14			
In percentuale				100.00		99.99		99.51			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.329 sec.
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	0.0	-0.23	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	0.0	-0.12	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	0.0	-0.12	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	0.0	-0.23	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	0.0	-0.12	2.92	0.82	2.387	0.010	0.316

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
5.89	34.66	1.24	3.63	0.0	-0.10	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	0.0	-0.10	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	0.0	-0.12	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	0.0	-0.23	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	0.0	-0.12	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	0.0	-0.10	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	0.0	-0.10	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	0.0	-0.12	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X	%	M efficace Y	%	M efficace Z	%	Energia	Energia x v
	Hz	sec	g	x g		x g		x g			
				kN		kN		kN			
1	0.409	2.447	0.072	7.03	2.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.416	2.403	0.072	6.80	1.9	0.0	0.0	0.0	0.0	0.0	0.0
3	0.430	2.326	0.072	15.99	4.5	0.0	0.0	0.0	0.0	0.0	0.0
4	0.430	2.324	0.072	0.85	0.2	0.0	0.0	0.0	0.0	0.0	0.0
5	0.432	2.315	0.072	6.30	1.8	0.0	0.0	0.0	0.0	0.0	0.0
6	0.438	2.284	0.072	12.55	3.5	0.0	0.0	0.0	0.0	0.0	0.0
7	0.438	2.282	0.072	0.79	0.2	0.0	0.0	0.0	0.0	0.0	0.0
8	0.440	2.273	0.072	5.58	1.6	0.0	0.0	0.0	0.0	0.0	0.0
9	3.042	0.329	0.380	234.75	66.3	4.57e-03	1.29e-03	4.08e-05	1.15e-05	0.0	0.0
10	4.624	0.216	0.307	5.28	1.5	8.29e-03	2.34e-03	5.01e-03	1.41e-03	0.0	0.0
11	5.491	0.182	0.271	0.43	0.1	20.74	5.9	1.64	0.5	0.0	0.0
12	5.496	0.182	0.271	0.36	0.1	22.99	6.5	1.37	0.4	0.0	0.0
13	5.586	0.179	0.269	7.76e-03	2.19e-03	8.14	2.3	8.28	2.3	0.0	0.0
14	5.683	0.176	0.267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	6.311	0.158	0.255	7.70	2.2	2.87e-03	8.10e-04	2.76e-03	7.81e-04	0.0	0.0
16	6.966	0.144	0.242	2.65e-04	7.50e-05	1.32	0.4	1.05	0.3	0.0	0.0
17	7.955	0.126	0.224	1.90e-04	5.37e-05	2.83	0.8	2.00	0.6	0.0	0.0
18	9.306	0.107	0.241	0.18	5.04e-02	48.18	13.6	0.09	2.55e-02	0.0	0.0
19	9.447	0.106	0.244	0.20	5.70e-02	51.93	14.7	1.86	0.5	0.0	0.0
20	9.807	0.102	0.251	0.22	6.15e-02	88.39	25.0	0.14	4.08e-02	0.0	0.0
21	10.015	0.100	0.254	0.82	0.2	23.48	6.6	0.01	3.94e-03	0.0	0.0
22	11.242	0.089	0.229	0.07	2.05e-02	0.42	0.1	6.86	1.9	0.0	0.0
23	11.789	0.085	0.220	0.13	3.77e-02	0.52	0.1	5.94	1.7	0.0	0.0
24	12.585	0.079	0.207	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	13.044	0.077	0.201	0.19	5.34e-02	2.14e-04	6.05e-05	0.38	0.1	0.0	0.0
26	13.954	0.072	0.189	7.66	2.2	0.03	9.60e-03	1.48	0.4	0.0	0.0
27	15.969	0.063	0.168	0.02	4.98e-03	0.25	7.20e-02	2.82	0.8	0.0	0.0
28	17.063	0.059	0.160	18.02	5.1	0.05	1.29e-02	6.14e-04	1.73e-04	0.0	0.0
29	18.562	0.054	0.154	0.14	4.07e-02	3.03	0.9	0.01	3.28e-03	0.0	0.0
30	19.242	0.052	0.151	0.03	9.57e-03	1.23e-03	3.46e-04	0.02	5.36e-03	0.0	0.0
31	19.296	0.052	0.151	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	20.187	0.050	0.148	4.17	1.2	8.97e-03	2.53e-03	0.40	0.1	0.0	0.0
33	21.071	0.047	0.145	9.01	2.5	0.02	6.51e-03	0.03	8.45e-03	0.0	0.0
34	23.771	0.042	0.138	1.96e-03	5.53e-04	43.42	12.3	0.05	1.44e-02	0.0	0.0
35	26.130	0.038	0.134	0.80	0.2	3.96e-04	1.12e-04	8.04e-04	2.27e-04	0.0	0.0
36	29.895	0.033	0.133	1.34	0.4	0.09	2.48e-02	1.24	0.4	0.0	0.0
37	30.070	0.033	0.133	0.79	0.2	0.25	7.04e-02	2.06	0.6	0.0	0.0
38	31.922	0.031	0.133	8.98e-05	2.54e-05	2.16	0.6	1.94	0.5	0.0	0.0
39	33.949	0.029	0.132	0.01	3.53e-03	0.84	0.2	1.99	0.6	0.0	0.0
40	35.975	0.028	0.132	0.01	4.07e-03	0.96	0.3	3.17	0.9	0.0	0.0
41	39.381	0.025	0.132	4.38e-03	1.24e-03	2.01	0.6	5.55	1.6	0.0	0.0
42	42.676	0.023	0.131	0.93	0.3	3.27e-03	9.23e-04	2.17	0.6	0.0	0.0
43	44.799	0.022	0.131	3.53	1.0	1.92e-03	5.44e-04	0.06	1.69e-02	0.0	0.0
44	46.101	0.022	0.131	0.02	5.73e-03	0.12	3.31e-02	49.35	13.9	0.0	0.0
45	47.077	0.021	0.131	3.95e-03	1.12e-03	0.08	2.19e-02	47.35	13.4	0.0	0.0
46	49.752	0.020	0.131	0.05	1.52e-02	0.18	5.09e-02	30.25	8.5	0.0	0.0
47	55.436	0.018	0.131	4.10e-04	1.16e-04	0.12	3.30e-02	69.57	19.7	0.0	0.0
48	59.605	0.017	0.131	0.02	5.37e-03	9.21	2.6	8.62	2.4	0.0	0.0
49	62.078	0.016	0.131	0.01	3.21e-03	6.19	1.7	25.15	7.1	0.0	0.0
50	66.261	0.015	0.131	0.49	0.1	7.36e-03	2.08e-03	1.77	0.5	0.0	0.0
51	70.333	0.014	0.131	5.19e-04	1.47e-04	12.88	3.6	12.24	3.5	0.0	0.0
52	78.948	0.013	0.131	0.01	3.90e-03	9.02e-03	2.55e-03	22.33	6.3	0.0	0.0
53	93.107	0.011	0.131	0.31	8.88e-02	0.02	4.34e-03	1.07	0.3	0.0	0.0
54	100.680	0.010	0.131	4.05e-03	1.14e-03	1.51	0.4	2.28e-03	6.43e-04	0.0	0.0
55	122.583	0.008	0.131	0.04	1.18e-02	3.15e-03	8.91e-04	17.07	4.8	0.0	0.0
56	137.542	0.007	0.131	0.20	5.53e-02	9.68e-05	2.74e-05	2.64	0.7	0.0	0.0
57	155.443	0.006	0.131	1.73e-04	4.89e-05	1.44	0.4	0.82	0.2	0.0	0.0
58	200.013	0.005	0.131	1.15e-03	3.25e-04	5.46e-03	1.54e-03	11.75	3.3	0.0	0.0
Risulta				353.87		353.85		352.63			

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X % x g	M efficace Y % x g	M efficace Z % x g	Energia	Energia x v
In percentuale				100.00	99.99	99.65		

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.324 sec.
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	0.0	0.23	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	0.0	0.12	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	0.0	0.12	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	0.0	0.23	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	0.0	0.12	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	0.0	0.10	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	0.0	0.10	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	0.0	0.12	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	0.0	0.23	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	0.0	0.12	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	0.0	0.10	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	0.0	0.10	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	0.0	0.12	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X % x g	M efficace Y % x g	M efficace Z % x g	Energia	Energia x v
	Hz	sec	g	kN	kN	kN		
1	0.455	2.199	0.072	5.68	1.6	0.0	0.0	0.0
2	0.463	2.159	0.072	5.49	1.6	0.0	0.0	0.0
3	0.481	2.078	0.072	6.92	2.0	0.0	0.0	0.0
4	0.483	2.069	0.072	10.20	2.9	0.0	0.0	0.0
5	0.484	2.067	0.072	1.51	0.4	0.0	0.0	0.0
6	0.490	2.040	0.072	5.86	1.7	0.0	0.0	0.0
7	0.492	2.031	0.072	7.98	2.3	0.0	0.0	0.0
8	0.493	2.029	0.072	1.35	0.4	0.0	0.0	0.0
9	3.085	0.324	0.393	248.31	70.2	2.95e-03	8.35e-04	1.43e-04
10	4.489	0.223	0.323	0.46	0.1	0.01	4.08e-03	3.08e-03
11	5.182	0.193	0.278	5.15e-03	1.45e-03	5.96e-03	1.68e-03	1.81e-03
12	5.217	0.192	0.278	0.0	0.0	0.0	0.0	0.0
13	5.493	0.182	0.271	0.0	0.0	43.68	12.3	3.01
14	5.586	0.179	0.269	6.56e-03	1.85e-03	8.18	2.3	8.29
15	6.242	0.160	0.256	5.95	1.7	2.20e-03	6.22e-04	1.40e-04
16	6.966	0.144	0.242	6.12e-04	1.73e-04	1.32	0.4	1.05
17	7.955	0.126	0.224	2.63e-04	7.42e-05	2.84	0.8	2.00
18	9.302	0.107	0.241	0.11	3.08e-02	47.90	13.5	0.10
19	9.447	0.106	0.244	0.11	3.05e-02	52.23	14.8	1.86
20	9.808	0.102	0.251	0.09	2.47e-02	90.65	25.6	0.14
21	10.042	0.100	0.253	0.37	0.1	21.21	6.0	8.05e-03
22	11.250	0.089	0.229	0.02	4.48e-03	0.50	0.1	6.69
23	11.813	0.085	0.219	0.03	7.86e-03	0.45	0.1	6.62
24	12.388	0.081	0.210	0.0	0.0	0.0	0.0	0.0
25	12.804	0.078	0.204	0.81	0.2	1.81e-03	5.12e-04	1.99e-03
26	14.858	0.067	0.179	11.52	3.3	0.09	2.49e-02	2.51
27	14.904	0.067	0.178	15.84	4.5	1.33e-03	3.77e-04	0.32
28	16.548	0.060	0.163	0.13	3.73e-02	0.31	8.89e-02	1.15
29	17.796	0.056	0.157	1.36e-06	0.0	0.0	0.0	0.0
30	17.829	0.056	0.156	3.83e-04	1.08e-04	0.01	3.57e-03	0.06
31	18.569	0.054	0.153	0.54	0.2	2.77	0.8	0.10
32	19.275	0.052	0.151	9.74	2.8	0.19	5.29e-02	0.49
33	20.351	0.049	0.147	3.62	1.0	7.71e-04	2.18e-04	9.32e-03
34	21.038	0.048	0.145	3.21	0.9	2.96e-03	8.37e-04	0.01
35	23.769	0.042	0.138	3.21e-04	9.06e-05	43.44	12.3	0.05
36	29.992	0.033	0.133	2.22e-04	6.27e-05	0.33	9.41e-02	3.25
37	31.922	0.031	0.133	2.28e-03	6.43e-04	2.17	0.6	1.91

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
38	32.920	0.030	0.133	0.51	0.1	1.73e-03	4.88e-04	3.45e-03	9.76e-04	0.0	0.0
39	33.421	0.030	0.133	1.72	0.5	0.03	8.91e-03	0.11	3.03e-02	0.0	0.0
40	33.971	0.029	0.132	0.16	4.55e-02	0.80	0.2	1.98	0.6	0.0	0.0
41	35.971	0.028	0.132	0.02	4.66e-03	0.98	0.3	3.13	0.9	0.0	0.0
42	39.412	0.025	0.132	0.02	4.59e-03	1.98	0.6	5.73	1.6	0.0	0.0
43	41.420	0.024	0.131	3.15	0.9	3.63e-03	1.03e-03	0.60	0.2	0.0	0.0
44	44.613	0.022	0.131	0.04	1.10e-02	0.12	3.26e-02	17.13	4.8	0.0	0.0
45	47.030	0.021	0.131	0.25	7.20e-02	0.09	2.67e-02	64.77	18.3	0.0	0.0
46	48.008	0.021	0.131	0.74	0.2	1.46e-03	4.12e-04	38.34	10.8	0.0	0.0
47	52.312	0.019	0.131	0.15	4.22e-02	0.29	8.07e-02	12.28	3.5	0.0	0.0
48	56.342	0.018	0.131	2.96e-03	8.37e-04	0.04	9.95e-03	86.53	24.5	0.0	0.0
49	59.693	0.017	0.131	0.02	6.93e-03	11.57	3.3	0.07	1.99e-02	0.0	0.0
50	63.274	0.016	0.131	0.68	0.2	1.61	0.5	0.02	5.40e-03	0.0	0.0
51	67.648	0.015	0.131	0.02	6.39e-03	8.81	2.5	4.28	1.2	0.0	0.0
52	70.956	0.014	0.131	5.23e-03	1.48e-03	5.75	1.6	38.47	10.9	0.0	0.0
53	89.637	0.011	0.131	0.07	1.97e-02	1.47	0.4	0.19	5.32e-02	0.0	0.0
54	101.796	0.010	0.131	0.06	1.79e-02	0.18	5.16e-02	12.56	3.5	0.0	0.0
55	104.243	0.010	0.131	0.19	5.50e-02	0.18	5.03e-02	5.65	1.6	0.0	0.0
56	138.196	0.007	0.131	0.16	4.58e-02	0.41	0.1	0.38	0.1	0.0	0.0
57	153.392	0.007	0.131	0.03	7.58e-03	1.25	0.4	0.30	8.39e-02	0.0	0.0
58	169.479	0.006	0.131	2.15e-04	6.06e-05	1.42e-03	4.01e-04	19.90	5.6	0.0	0.0
Risulta				353.87		353.84		352.06			
In percentuale				100.00		99.99		99.49			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.102 sec.
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	0.30	0.0	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	0.08	0.0	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	0.08	0.0	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	0.30	0.0	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	0.08	0.0	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	0.11	0.0	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	0.11	0.0	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	0.08	0.0	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	0.30	0.0	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	0.08	0.0	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	0.11	0.0	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	0.11	0.0	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	0.08	0.0	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.430	2.327	0.072	6.36	1.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.438	2.285	0.072	6.14	1.7	0.0	0.0	0.0	0.0	0.0	0.0
3	0.454	2.201	0.072	19.46	5.5	0.0	0.0	0.0	0.0	0.0	0.0
4	0.455	2.199	0.072	1.30	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5	0.455	2.199	0.072	0.10	2.96e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	0.463	2.161	0.072	15.75	4.4	0.0	0.0	0.0	0.0	0.0	0.0
7	0.463	2.160	0.072	1.24	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8	0.463	2.159	0.072	0.10	2.85e-02	0.0	0.0	0.0	0.0	0.0	0.0
9	3.074	0.325	0.390	242.17	68.4	8.18e-05	2.31e-05	7.50e-05	2.12e-05	0.0	0.0
10	4.544	0.220	0.313	2.63	0.7	9.40e-04	2.66e-04	4.31e-03	1.22e-03	0.0	0.0
11	5.318	0.188	0.275	0.08	2.14e-02	2.98e-03	8.43e-04	7.56e-04	2.14e-04	0.0	0.0
12	5.381	0.186	0.273	0.0	0.0	37.38	10.6	4.74	1.3	0.0	0.0
13	5.435	0.184	0.272	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	5.704	0.175	0.266	2.95e-03	8.32e-04	14.79	4.2	6.55	1.9	0.0	0.0
15	6.250	0.160	0.256	6.69	1.9	1.19e-04	3.36e-05	1.58e-03	4.47e-04	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
16	6.835	0.146	0.244	3.94e-04	1.11e-04	1.60	0.5	1.00	0.3	0.0	0.0
17	8.105	0.123	0.222	4.21e-04	1.19e-04	2.35	0.7	2.03	0.6	0.0	0.0
18	9.196	0.109	0.239	0.17	4.73e-02	51.34	14.5	1.74	0.5	0.0	0.0
19	9.548	0.105	0.246	0.17	4.80e-02	51.31	14.5	0.06	1.72e-02	0.0	0.0
20	9.822	0.102	0.251	0.19	5.28e-02	83.91	23.7	0.02	6.79e-03	0.0	0.0
21	9.998	0.100	0.254	0.53	0.1	25.51	7.2	0.27	7.62e-02	0.0	0.0
22	11.473	0.087	0.225	0.02	4.27e-03	0.80	0.2	5.64	1.6	0.0	0.0
23	11.563	0.086	0.223	0.08	2.40e-02	0.31	8.71e-02	7.46	2.1	0.0	0.0
24	12.491	0.080	0.209	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	12.927	0.077	0.202	0.55	0.2	3.72e-03	1.05e-03	0.08	2.40e-02	0.0	0.0
26	14.382	0.070	0.184	7.65	2.2	7.12e-03	2.01e-03	2.23	0.6	0.0	0.0
27	15.846	0.063	0.169	16.45	4.6	0.01	3.29e-03	0.61	0.2	0.0	0.0
28	16.191	0.062	0.166	2.54	0.7	0.06	1.67e-02	1.52	0.4	0.0	0.0
29	18.454	0.054	0.154	1.72e-06	0.0	5.30e-06	1.50e-06	6.62e-06	1.87e-06	0.0	0.0
30	18.455	0.054	0.154	2.84e-03	8.02e-04	0.04	1.02e-02	0.04	1.07e-02	0.0	0.0
31	18.752	0.053	0.153	0.65	0.2	2.41	0.7	0.09	2.66e-02	0.0	0.0
32	19.757	0.051	0.149	6.84	1.9	0.39	0.1	0.34	9.70e-02	0.0	0.0
33	20.775	0.048	0.146	6.46	1.8	0.07	1.95e-02	0.01	2.86e-03	0.0	0.0
34	22.625	0.044	0.140	1.65	0.5	8.32e-06	2.35e-06	2.12e-03	6.00e-04	0.0	0.0
35	23.768	0.042	0.138	0.02	6.57e-03	43.31	12.2	0.04	1.02e-02	0.0	0.0
36	29.783	0.034	0.133	1.72e-03	4.86e-04	0.09	2.52e-02	4.74	1.3	0.0	0.0
37	31.538	0.032	0.133	1.87	0.5	0.06	1.71e-02	0.08	2.19e-02	0.0	0.0
38	32.133	0.031	0.133	0.15	4.25e-02	2.45	0.7	1.52	0.4	0.0	0.0
39	33.952	0.029	0.132	4.06e-03	1.15e-03	0.89	0.3	0.62	0.2	0.0	0.0
40	36.841	0.027	0.132	0.28	8.02e-02	0.03	9.76e-03	0.22	6.11e-02	0.0	0.0
41	37.008	0.027	0.132	1.42e-04	4.03e-05	0.26	7.38e-02	5.81	1.6	0.0	0.0
42	41.024	0.024	0.131	3.09e-05	8.75e-06	2.35	0.7	4.25	1.2	0.0	0.0
43	42.218	0.024	0.131	2.49	0.7	7.26e-04	2.05e-04	0.84	0.2	0.0	0.0
44	45.599	0.022	0.131	1.52	0.4	0.09	2.61e-02	19.62	5.5	0.0	0.0
45	46.604	0.021	0.131	0.34	9.71e-02	0.15	4.36e-02	50.95	14.4	0.0	0.0
46	48.117	0.021	0.131	6.89e-03	1.95e-03	0.02	5.98e-03	46.41	13.1	0.0	0.0
47	54.229	0.018	0.131	2.44e-04	6.89e-05	0.81	0.2	60.96	17.2	0.0	0.0
48	56.766	0.018	0.131	1.05e-06	0.0	6.81	1.9	17.56	5.0	0.0	0.0
49	62.189	0.016	0.131	0.02	5.11e-03	0.20	5.67e-02	35.18	9.9	0.0	0.0
50	64.978	0.015	0.131	0.48	0.1	4.63	1.3	1.19	0.3	0.0	0.0
51	66.273	0.015	0.131	0.21	5.80e-02	12.66	3.6	0.34	9.59e-02	0.0	0.0
52	73.905	0.014	0.131	7.58e-03	2.14e-03	3.81	1.1	30.02	8.5	0.0	0.0
53	92.702	0.011	0.131	0.03	7.67e-03	0.77	0.2	8.20	2.3	0.0	0.0
54	103.489	0.010	0.131	0.29	8.29e-02	0.21	5.87e-02	0.05	1.33e-02	0.0	0.0
55	119.497	0.008	0.131	0.03	8.97e-03	0.62	0.2	10.05	2.8	0.0	0.0
56	144.484	0.007	0.131	0.13	3.55e-02	0.04	1.15e-02	4.56	1.3	0.0	0.0
57	156.245	0.006	0.131	0.01	4.19e-03	1.15	0.3	1.60	0.5	0.0	0.0
58	182.902	0.005	0.131	2.94e-03	8.30e-04	0.12	3.40e-02	12.94	3.7	0.0	0.0
Risulta				353.87		353.85		352.19			
In percentuale				100.00		99.99		99.52			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.104 sec.
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	-0.30	0.0	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	-0.08	0.0	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	-0.08	0.0	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	-0.30	0.0	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	-0.08	0.0	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	-0.11	0.0	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	-0.11	0.0	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	-0.08	0.0	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	-0.30	0.0	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	-0.08	0.0	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	-0.11	0.0	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	-0.11	0.0	4.36	4.09	1.524	0.163	0.509

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
1.20	12.18	2.90	1.41	-0.08	0.0	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.430	2.327	0.072	6.36	1.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.438	2.285	0.072	6.14	1.7	0.0	0.0	0.0	0.0	0.0	0.0
3	0.454	2.201	0.072	19.46	5.5	0.0	0.0	0.0	0.0	0.0	0.0
4	0.455	2.199	0.072	1.30	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5	0.455	2.199	0.072	0.10	2.96e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	0.463	2.161	0.072	15.75	4.4	0.0	0.0	0.0	0.0	0.0	0.0
7	0.463	2.160	0.072	1.24	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8	0.463	2.159	0.072	0.10	2.85e-02	0.0	0.0	0.0	0.0	0.0	0.0
9	3.074	0.325	0.390	242.16	68.4	0.01	3.76e-03	9.30e-05	2.63e-05	0.0	0.0
10	4.544	0.220	0.313	2.63	0.7	0.06	1.79e-02	4.06e-03	1.15e-03	0.0	0.0
11	5.318	0.188	0.275	0.08	2.14e-02	8.96e-04	2.53e-04	7.13e-05	2.01e-05	0.0	0.0
12	5.435	0.184	0.272	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	5.461	0.183	0.272	6.91e-03	1.95e-03	28.83	8.1	3.64	1.0	0.0	0.0
14	5.627	0.178	0.268	6.71e-05	1.90e-05	22.81	6.4	7.72	2.2	0.0	0.0
15	6.249	0.160	0.256	6.69	1.9	8.01e-03	2.26e-03	1.12e-03	3.18e-04	0.0	0.0
16	7.103	0.141	0.240	4.73e-04	1.34e-04	1.02	0.3	1.09	0.3	0.0	0.0
17	7.811	0.128	0.227	1.36e-04	3.85e-05	3.24	0.9	1.96	0.6	0.0	0.0
18	9.055	0.110	0.236	0.16	4.46e-02	51.42	14.5	0.10	2.92e-02	0.0	0.0
19	9.624	0.104	0.247	0.12	3.34e-02	106.93	30.2	0.55	0.2	0.0	0.0
20	9.698	0.103	0.249	0.34	9.72e-02	19.17	5.4	1.46	0.4	0.0	0.0
21	10.156	0.098	0.251	0.44	0.1	34.67	9.8	0.02	5.41e-03	0.0	0.0
22	11.034	0.091	0.233	0.06	1.59e-02	0.29	8.10e-02	6.57	1.9	0.0	0.0
23	12.061	0.083	0.215	0.06	1.69e-02	0.54	0.2	6.63	1.9	0.0	0.0
24	12.491	0.080	0.209	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	12.927	0.077	0.202	0.57	0.2	2.36e-04	6.68e-05	0.10	2.87e-02	0.0	0.0
26	14.465	0.069	0.183	8.00	2.3	0.10	2.83e-02	1.81	0.5	0.0	0.0
27	15.872	0.063	0.169	17.65	5.0	1.62e-05	4.57e-06	0.29	8.12e-02	0.0	0.0
28	16.255	0.062	0.165	1.04	0.3	0.72	0.2	1.92	0.5	0.0	0.0
29	17.916	0.056	0.156	2.60e-03	7.35e-04	2.87	0.8	0.15	4.13e-02	0.0	0.0
30	18.450	0.054	0.154	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	18.463	0.054	0.154	0.03	8.29e-03	4.26e-03	1.20e-03	0.02	6.58e-03	0.0	0.0
32	20.023	0.050	0.148	12.22	3.5	0.04	1.00e-02	0.43	0.1	0.0	0.0
33	21.760	0.046	0.143	1.64	0.5	0.78	0.2	0.05	1.38e-02	0.0	0.0
34	22.625	0.044	0.140	1.61	0.5	0.02	6.71e-03	3.70e-03	1.05e-03	0.0	0.0
35	23.926	0.042	0.137	0.01	3.45e-03	42.63	12.0	0.05	1.38e-02	0.0	0.0
36	29.686	0.034	0.133	1.04e-05	2.95e-06	1.35	0.4	0.71	0.2	0.0	0.0
37	30.990	0.032	0.133	0.04	1.12e-02	0.72	0.2	3.48	1.0	0.0	0.0
38	31.581	0.032	0.133	1.98	0.6	1.18e-03	3.33e-04	0.11	3.10e-02	0.0	0.0
39	34.534	0.029	0.132	0.03	7.19e-03	1.35	0.4	1.93	0.5	0.0	0.0
40	36.124	0.028	0.132	0.04	1.09e-02	1.72	0.5	3.51	1.0	0.0	0.0
41	36.827	0.027	0.132	0.23	6.48e-02	0.02	4.78e-03	0.21	5.90e-02	0.0	0.0
42	38.889	0.026	0.132	0.03	8.13e-03	1.21	0.3	5.64	1.6	0.0	0.0
43	42.313	0.024	0.131	2.50	0.7	5.42e-04	1.53e-04	1.25	0.4	0.0	0.0
44	45.637	0.022	0.131	1.54	0.4	0.10	2.92e-02	19.91	5.6	0.0	0.0
45	46.256	0.022	0.131	0.29	8.32e-02	0.15	4.28e-02	60.60	17.1	0.0	0.0
46	49.334	0.020	0.131	5.87e-03	1.66e-03	0.10	2.73e-02	50.01	14.1	0.0	0.0
47	52.637	0.019	0.131	1.44e-04	4.06e-05	0.21	5.93e-02	9.38	2.7	0.0	0.0
48	56.966	0.018	0.131	6.23e-04	1.76e-04	0.07	2.11e-02	82.27	23.2	0.0	0.0
49	60.841	0.016	0.131	3.20e-03	9.04e-04	16.60	4.7	0.98	0.3	0.0	0.0
50	65.436	0.015	0.131	0.71	0.2	0.02	6.30e-03	0.05	1.46e-02	0.0	0.0
51	70.366	0.014	0.131	7.31e-06	2.07e-06	0.68	0.2	27.87	7.9	0.0	0.0
52	72.710	0.014	0.131	1.17e-04	3.30e-05	10.13	2.9	9.95	2.8	0.0	0.0
53	96.665	0.010	0.131	7.48e-05	2.11e-05	1.62	0.5	3.55	1.0	0.0	0.0
54	103.789	0.010	0.131	0.35	9.90e-02	7.14e-04	2.02e-04	0.08	2.14e-02	0.0	0.0
55	105.361	0.009	0.131	9.35e-04	2.64e-04	0.20	5.58e-02	16.39	4.6	0.0	0.0
56	148.518	0.007	0.131	0.14	4.04e-02	2.76e-06	0.0	6.67e-03	1.89e-03	0.0	0.0
57	154.974	0.006	0.131	3.78e-04	1.07e-04	1.38	0.4	2.21	0.6	0.0	0.0
58	173.458	0.006	0.131	2.27e-05	6.40e-06	0.04	1.05e-02	17.48	4.9	0.0	0.0
Risulta				353.87		353.85		352.14			
In percentuale				100.00		99.99		99.51			

CDC	Tipo	Sigla Id	Note
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PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE	PAG. 54 DI 722

CDC	Tipo	Sigla Id	Note
15	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.102 sec.
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	0.30	0.0	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	0.08	0.0	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	0.08	0.0	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	0.30	0.0	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	0.08	0.0	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	0.11	0.0	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	0.11	0.0	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	0.08	0.0	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	0.30	0.0	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	0.08	0.0	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	0.11	0.0	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	0.11	0.0	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	0.08	0.0	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X	%	M efficace Y	%	M efficace Z	%	Energia	Energia x v
	Hz	sec	g	x g		x g		x g			
				kN		kN		kN			
1	0.430	2.327	0.063	6.36	1.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.438	2.285	0.063	6.14	1.7	0.0	0.0	0.0	0.0	0.0	0.0
3	0.454	2.201	0.063	19.46	5.5	0.0	0.0	0.0	0.0	0.0	0.0
4	0.455	2.199	0.063	1.30	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5	0.455	2.199	0.063	0.10	2.96e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	0.463	2.161	0.063	15.75	4.4	0.0	0.0	0.0	0.0	0.0	0.0
7	0.463	2.160	0.063	1.24	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8	0.463	2.159	0.063	0.10	2.85e-02	0.0	0.0	0.0	0.0	0.0	0.0
9	3.074	0.325	0.344	242.17	68.4	8.18e-05	2.31e-05	7.50e-05	2.12e-05	0.0	0.0
10	4.544	0.220	0.283	2.63	0.7	9.40e-04	2.66e-04	4.31e-03	1.22e-03	0.0	0.0
11	5.318	0.188	0.245	0.08	2.14e-02	2.98e-03	8.43e-04	7.56e-04	2.14e-04	0.0	0.0
12	5.381	0.186	0.244	0.0	0.0	37.38	10.6	4.74	1.3	0.0	0.0
13	5.435	0.184	0.242	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	5.704	0.175	0.236	2.95e-03	8.32e-04	14.79	4.2	6.55	1.9	0.0	0.0
15	6.250	0.160	0.227	6.69	1.9	1.19e-04	3.36e-05	1.58e-03	4.47e-04	0.0	0.0
16	6.835	0.146	0.218	3.94e-04	1.11e-04	1.60	0.5	1.00	0.3	0.0	0.0
17	8.105	0.123	0.199	4.21e-04	1.19e-04	2.35	0.7	2.03	0.6	0.0	0.0
18	9.196	0.109	0.215	0.17	4.73e-02	51.34	14.5	1.74	0.5	0.0	0.0
19	9.548	0.105	0.221	0.17	4.80e-02	51.31	14.5	0.06	1.72e-02	0.0	0.0
20	9.822	0.102	0.226	0.19	5.28e-02	83.91	23.7	0.02	6.79e-03	0.0	0.0
21	9.998	0.100	0.229	0.53	0.1	25.51	7.2	0.27	7.62e-02	0.0	0.0
22	11.473	0.087	0.205	0.02	4.27e-03	0.80	0.2	5.64	1.6	0.0	0.0
23	11.563	0.086	0.203	0.08	2.40e-02	0.31	8.71e-02	7.46	2.1	0.0	0.0
24	12.491	0.080	0.191	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	12.927	0.077	0.185	0.55	0.2	3.72e-03	1.05e-03	0.08	2.40e-02	0.0	0.0
26	14.382	0.070	0.167	7.65	2.2	7.12e-03	2.01e-03	2.23	0.6	0.0	0.0
27	15.846	0.063	0.153	16.45	4.6	0.01	3.29e-03	0.61	0.2	0.0	0.0
28	16.191	0.062	0.150	2.54	0.7	0.06	1.67e-02	1.52	0.4	0.0	0.0
29	18.454	0.054	0.138	1.72e-06	0.0	5.30e-06	1.50e-06	6.62e-06	1.87e-06	0.0	0.0
30	18.455	0.054	0.138	2.84e-03	8.02e-04	0.04	1.02e-02	0.04	1.07e-02	0.0	0.0
31	18.752	0.053	0.137	0.65	0.2	2.41	0.7	0.09	2.66e-02	0.0	0.0
32	19.757	0.051	0.134	6.84	1.9	0.39	0.1	0.34	9.70e-02	0.0	0.0
33	20.775	0.048	0.131	6.46	1.8	0.07	1.95e-02	0.01	2.86e-03	0.0	0.0
34	22.625	0.044	0.126	1.65	0.5	8.32e-06	2.35e-06	2.12e-03	6.00e-04	0.0	0.0
35	23.768	0.042	0.123	0.02	6.57e-03	43.31	12.2	0.04	1.02e-02	0.0	0.0
36	29.783	0.034	0.119	1.72e-03	4.86e-04	0.09	2.52e-02	4.74	1.3	0.0	0.0
37	31.538	0.032	0.119	1.87	0.5	0.06	1.71e-02	0.08	2.19e-02	0.0	0.0
38	32.133	0.031	0.119	0.15	4.25e-02	2.45	0.7	1.52	0.4	0.0	0.0
39	33.952	0.029	0.118	4.06e-03	1.15e-03	0.89	0.3	0.62	0.2	0.0	0.0
40	36.841	0.027	0.118	0.28	8.02e-02	0.03	9.76e-03	0.22	6.11e-02	0.0	0.0
41	37.008	0.027	0.118	1.42e-04	4.03e-05	0.26	7.38e-02	5.81	1.6	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
42	41.024	0.024	0.117	3.09e-05	8.75e-06	2.35	0.7	4.25	1.2	0.0	0.0
43	42.218	0.024	0.117	2.49	0.7	7.26e-04	2.05e-04	0.84	0.2	0.0	0.0
44	45.599	0.022	0.117	1.52	0.4	0.09	2.61e-02	19.62	5.5	0.0	0.0
45	46.604	0.021	0.117	0.34	9.71e-02	0.15	4.36e-02	50.95	14.4	0.0	0.0
46	48.117	0.021	0.116	6.89e-03	1.95e-03	0.02	5.98e-03	46.41	13.1	0.0	0.0
47	54.229	0.018	0.116	2.44e-04	6.89e-05	0.81	0.2	60.96	17.2	0.0	0.0
48	56.766	0.018	0.116	1.05e-06	0.0	6.81	1.9	17.56	5.0	0.0	0.0
49	62.189	0.016	0.116	0.02	5.11e-03	0.20	5.67e-02	35.18	9.9	0.0	0.0
50	64.978	0.015	0.116	0.48	0.1	4.63	1.3	1.19	0.3	0.0	0.0
51	66.273	0.015	0.116	0.21	5.80e-02	12.66	3.6	0.34	9.59e-02	0.0	0.0
52	73.905	0.014	0.116	7.58e-03	2.14e-03	3.81	1.1	30.02	8.5	0.0	0.0
53	92.702	0.011	0.116	0.03	7.67e-03	0.77	0.2	8.20	2.3	0.0	0.0
54	103.489	0.010	0.116	0.29	8.29e-02	0.21	5.87e-02	0.05	1.33e-02	0.0	0.0
55	119.497	0.008	0.116	0.03	8.97e-03	0.62	0.2	10.05	2.8	0.0	0.0
56	144.484	0.007	0.116	0.13	3.55e-02	0.04	1.15e-02	4.56	1.3	0.0	0.0
57	156.245	0.006	0.116	0.01	4.19e-03	1.15	0.3	1.60	0.5	0.0	0.0
58	182.902	0.005	0.116	2.94e-03	8.30e-04	0.12	3.40e-02	12.94	3.7	0.0	0.0
Risulta				353.87		353.85		352.19			
In percentuale				100.00		99.99		99.52			

CDC	Tipo	Sigla Id	Note
16	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.104 sec.
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	-0.30	0.0	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	-0.08	0.0	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	-0.08	0.0	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	-0.30	0.0	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	-0.08	0.0	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	-0.11	0.0	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	-0.11	0.0	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	-0.08	0.0	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	-0.30	0.0	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	-0.08	0.0	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	-0.11	0.0	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	-0.11	0.0	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	-0.08	0.0	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.430	2.327	0.063	6.36	1.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.438	2.285	0.063	6.14	1.7	0.0	0.0	0.0	0.0	0.0	0.0
3	0.454	2.201	0.063	19.46	5.5	0.0	0.0	0.0	0.0	0.0	0.0
4	0.455	2.199	0.063	1.30	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5	0.455	2.199	0.063	0.10	2.96e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	0.463	2.161	0.063	15.75	4.4	0.0	0.0	0.0	0.0	0.0	0.0
7	0.463	2.160	0.063	1.24	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8	0.463	2.159	0.063	0.10	2.85e-02	0.0	0.0	0.0	0.0	0.0	0.0
9	3.074	0.325	0.344	242.16	68.4	0.01	3.76e-03	9.30e-05	2.63e-05	0.0	0.0
10	4.544	0.220	0.283	2.63	0.7	0.06	1.79e-02	4.06e-03	1.15e-03	0.0	0.0
11	5.318	0.188	0.245	0.08	2.14e-02	8.96e-04	2.53e-04	7.13e-05	2.01e-05	0.0	0.0
12	5.435	0.184	0.242	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	5.461	0.183	0.242	6.91e-03	1.95e-03	28.83	8.1	3.64	1.0	0.0	0.0
14	5.627	0.178	0.238	6.71e-05	1.90e-05	22.81	6.4	7.72	2.2	0.0	0.0
15	6.249	0.160	0.227	6.69	1.9	8.01e-03	2.26e-03	1.12e-03	3.18e-04	0.0	0.0
16	7.103	0.141	0.214	4.73e-04	1.34e-04	1.02	0.3	1.09	0.3	0.0	0.0
17	7.811	0.128	0.203	1.36e-04	3.85e-05	3.24	0.9	1.96	0.6	0.0	0.0
18	9.055	0.110	0.212	0.16	4.46e-02	51.42	14.5	0.10	2.92e-02	0.0	0.0
19	9.624	0.104	0.223	0.12	3.34e-02	106.93	30.2	0.55	0.2	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
20	9.698	0.103	0.224	0.34	9.72e-02	19.17	5.4	1.46	0.4	0.0	0.0
21	10.156	0.098	0.226	0.44	0.1	34.67	9.8	0.02	5.41e-03	0.0	0.0
22	11.034	0.091	0.211	0.06	1.59e-02	0.29	8.10e-02	6.57	1.9	0.0	0.0
23	12.061	0.083	0.197	0.06	1.69e-02	0.54	0.2	6.63	1.9	0.0	0.0
24	12.491	0.080	0.191	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	12.927	0.077	0.185	0.57	0.2	2.36e-04	6.68e-05	0.10	2.87e-02	0.0	0.0
26	14.465	0.069	0.167	8.00	2.3	0.10	2.83e-02	1.81	0.5	0.0	0.0
27	15.872	0.063	0.153	17.65	5.0	1.62e-05	4.57e-06	0.29	8.12e-02	0.0	0.0
28	16.255	0.062	0.149	1.04	0.3	0.72	0.2	1.92	0.5	0.0	0.0
29	17.916	0.056	0.141	2.60e-03	7.35e-04	2.87	0.8	0.15	4.13e-02	0.0	0.0
30	18.450	0.054	0.138	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	18.463	0.054	0.138	0.03	8.29e-03	4.26e-03	1.20e-03	0.02	6.58e-03	0.0	0.0
32	20.023	0.050	0.133	12.22	3.5	0.04	1.00e-02	0.43	0.1	0.0	0.0
33	21.760	0.046	0.128	1.64	0.5	0.78	0.2	0.05	1.38e-02	0.0	0.0
34	22.625	0.044	0.126	1.61	0.5	0.02	6.71e-03	3.70e-03	1.05e-03	0.0	0.0
35	23.926	0.042	0.123	0.01	3.45e-03	42.63	12.0	0.05	1.38e-02	0.0	0.0
36	29.686	0.034	0.119	1.04e-05	2.95e-06	1.35	0.4	0.71	0.2	0.0	0.0
37	30.990	0.032	0.119	0.04	1.12e-02	0.72	0.2	3.48	1.0	0.0	0.0
38	31.581	0.032	0.119	1.98	0.6	1.18e-03	3.33e-04	0.11	3.10e-02	0.0	0.0
39	34.534	0.029	0.118	0.03	7.19e-03	1.35	0.4	1.93	0.5	0.0	0.0
40	36.124	0.028	0.118	0.04	1.09e-02	1.72	0.5	3.51	1.0	0.0	0.0
41	36.827	0.027	0.118	0.23	6.48e-02	0.02	4.78e-03	0.21	5.90e-02	0.0	0.0
42	38.889	0.026	0.117	0.03	8.13e-03	1.21	0.3	5.64	1.6	0.0	0.0
43	42.313	0.024	0.117	2.50	0.7	5.42e-04	1.53e-04	1.25	0.4	0.0	0.0
44	45.637	0.022	0.117	1.54	0.4	0.10	2.92e-02	19.91	5.6	0.0	0.0
45	46.256	0.022	0.117	0.29	8.32e-02	0.15	4.28e-02	60.60	17.1	0.0	0.0
46	49.334	0.020	0.116	5.87e-03	1.66e-03	0.10	2.73e-02	50.01	14.1	0.0	0.0
47	52.637	0.019	0.116	1.44e-04	4.06e-05	0.21	5.93e-02	9.38	2.7	0.0	0.0
48	56.966	0.018	0.116	6.23e-04	1.76e-04	0.07	2.11e-02	82.27	23.2	0.0	0.0
49	60.841	0.016	0.116	3.20e-03	9.04e-04	16.60	4.7	0.98	0.3	0.0	0.0
50	65.436	0.015	0.116	0.71	0.2	0.02	6.30e-03	0.05	1.46e-02	0.0	0.0
51	70.366	0.014	0.116	7.31e-06	2.07e-06	0.68	0.2	27.87	7.9	0.0	0.0
52	72.710	0.014	0.116	1.17e-04	3.30e-05	10.13	2.9	9.95	2.8	0.0	0.0
53	96.665	0.010	0.116	7.48e-05	2.11e-05	1.62	0.5	3.55	1.0	0.0	0.0
54	103.789	0.010	0.116	0.35	9.90e-02	7.14e-04	2.02e-04	0.08	2.14e-02	0.0	0.0
55	105.361	0.009	0.116	9.35e-04	2.64e-04	0.20	5.58e-02	16.39	4.6	0.0	0.0
56	148.518	0.007	0.116	0.14	4.04e-02	2.76e-06	0.0	6.67e-03	1.89e-03	0.0	0.0
57	154.974	0.006	0.116	3.78e-04	1.07e-04	1.38	0.4	2.21	0.6	0.0	0.0
58	173.458	0.006	0.116	2.27e-05	6.40e-06	0.04	1.05e-02	17.48	4.9	0.0	0.0
Risulta				353.87		353.85		352.14			
In percentuale				100.00		99.99		99.51			

CDC	Tipo	Sigla Id	Note
17	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.329 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	0.0	-0.23	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	0.0	-0.12	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	0.0	-0.12	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	0.0	-0.23	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	0.0	-0.12	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	0.0	-0.10	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	0.0	-0.10	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	0.0	-0.12	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	0.0	-0.23	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	0.0	-0.12	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	0.0	-0.10	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	0.0	-0.10	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	0.0	-0.12	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X	%	M efficace Y	%	M efficace Z	%	Energia	Energia x v
	Hz	sec	g	x g kN		x g kN		x g kN			
1	0.409	2.447	0.157	7.03	2.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.416	2.403	0.157	6.80	1.9	0.0	0.0	0.0	0.0	0.0	0.0
3	0.430	2.326	0.157	15.99	4.5	0.0	0.0	0.0	0.0	0.0	0.0
4	0.430	2.324	0.157	0.85	0.2	0.0	0.0	0.0	0.0	0.0	0.0
5	0.432	2.315	0.157	6.30	1.8	0.0	0.0	0.0	0.0	0.0	0.0
6	0.438	2.284	0.157	12.55	3.5	0.0	0.0	0.0	0.0	0.0	0.0
7	0.438	2.282	0.157	0.79	0.2	0.0	0.0	0.0	0.0	0.0	0.0
8	0.440	2.273	0.157	5.58	1.6	0.0	0.0	0.0	0.0	0.0	0.0
9	3.042	0.329	0.628	234.75	66.3	4.57e-03	1.29e-03	4.08e-05	1.15e-05	0.0	0.0
10	4.624	0.216	0.421	5.28	1.5	8.29e-03	2.34e-03	5.01e-03	1.41e-03	0.0	0.0
11	5.491	0.182	0.414	0.43	0.1	20.74	5.9	1.64	0.5	0.0	0.0
12	5.496	0.182	0.414	0.36	0.1	22.99	6.5	1.37	0.4	0.0	0.0
13	5.586	0.179	0.412	7.76e-03	2.19e-03	8.14	2.3	8.28	2.3	0.0	0.0
14	5.683	0.176	0.407	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	6.311	0.158	0.379	7.70	2.2	2.87e-03	8.10e-04	2.76e-03	7.81e-04	0.0	0.0
16	6.966	0.144	0.354	2.65e-04	7.50e-05	1.32	0.4	1.05	0.3	0.0	0.0
17	7.955	0.126	0.325	1.90e-04	5.37e-05	2.83	0.8	2.00	0.6	0.0	0.0
18	9.306	0.107	0.313	0.18	5.04e-02	48.18	13.6	0.09	2.55e-02	0.0	0.0
19	9.447	0.106	0.312	0.20	5.70e-02	51.93	14.7	1.86	0.5	0.0	0.0
20	9.807	0.102	0.312	0.22	6.15e-02	88.39	25.0	0.14	4.08e-02	0.0	0.0
21	10.015	0.100	0.311	0.82	0.2	23.48	6.6	0.01	3.94e-03	0.0	0.0
22	11.242	0.089	0.287	0.07	2.05e-02	0.42	0.1	6.86	1.9	0.0	0.0
23	11.789	0.085	0.278	0.13	3.77e-02	0.52	0.1	5.94	1.7	0.0	0.0
24	12.585	0.079	0.266	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	13.044	0.077	0.260	0.19	5.34e-02	2.14e-04	6.05e-05	0.38	0.1	0.0	0.0
26	13.954	0.072	0.250	7.66	2.2	0.03	9.60e-03	1.48	0.4	0.0	0.0
27	15.969	0.063	0.231	0.02	4.98e-03	0.25	7.20e-02	2.82	0.8	0.0	0.0
28	17.063	0.059	0.224	18.02	5.1	0.05	1.29e-02	6.14e-04	1.73e-04	0.0	0.0
29	18.562	0.054	0.219	0.14	4.07e-02	3.03	0.9	0.01	3.28e-03	0.0	0.0
30	19.242	0.052	0.217	0.03	9.57e-03	1.23e-03	3.46e-04	0.02	5.36e-03	0.0	0.0
31	19.296	0.052	0.217	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	20.187	0.050	0.215	4.17	1.2	8.97e-03	2.53e-03	0.40	0.1	0.0	0.0
33	21.071	0.047	0.213	9.01	2.5	0.02	6.51e-03	0.03	8.45e-03	0.0	0.0
34	23.771	0.042	0.207	1.96e-03	5.53e-04	43.42	12.3	0.05	1.44e-02	0.0	0.0
35	26.130	0.038	0.205	0.80	0.2	3.96e-04	1.12e-04	8.04e-04	2.27e-04	0.0	0.0
36	29.895	0.033	0.204	1.34	0.4	0.09	2.48e-02	1.24	0.4	0.0	0.0
37	30.070	0.033	0.204	0.79	0.2	0.25	7.04e-02	2.06	0.6	0.0	0.0
38	31.922	0.031	0.204	8.98e-05	2.54e-05	2.16	0.6	1.94	0.5	0.0	0.0
39	33.949	0.029	0.204	0.01	3.53e-03	0.84	0.2	1.99	0.6	0.0	0.0
40	35.975	0.028	0.203	0.01	4.07e-03	0.96	0.3	3.17	0.9	0.0	0.0
41	39.381	0.025	0.203	4.38e-03	1.24e-03	2.01	0.6	5.55	1.6	0.0	0.0
42	42.676	0.023	0.203	0.93	0.3	3.27e-03	9.23e-04	2.17	0.6	0.0	0.0
43	44.799	0.022	0.202	3.53	1.0	1.92e-03	5.44e-04	0.06	1.69e-02	0.0	0.0
44	46.101	0.022	0.202	0.02	5.73e-03	0.12	3.31e-02	49.35	13.9	0.0	0.0
45	47.077	0.021	0.202	3.95e-03	1.12e-03	0.08	2.19e-02	47.35	13.4	0.0	0.0
46	49.752	0.020	0.202	0.05	1.52e-02	0.18	5.09e-02	30.25	8.5	0.0	0.0
47	55.436	0.018	0.202	4.10e-04	1.16e-04	0.12	3.30e-02	69.57	19.7	0.0	0.0
48	59.605	0.017	0.202	0.02	5.37e-03	9.21	2.6	8.62	2.4	0.0	0.0
49	62.078	0.016	0.202	0.01	3.21e-03	6.19	1.7	25.15	7.1	0.0	0.0
50	66.261	0.015	0.202	0.49	0.1	7.36e-03	2.08e-03	1.77	0.5	0.0	0.0
51	70.333	0.014	0.202	5.19e-04	1.47e-04	12.88	3.6	12.24	3.5	0.0	0.0
52	78.948	0.013	0.202	0.01	3.90e-03	9.02e-03	2.55e-03	22.33	6.3	0.0	0.0
53	93.107	0.011	0.202	0.31	8.88e-02	0.02	4.34e-03	1.07	0.3	0.0	0.0
54	100.680	0.010	0.202	4.05e-03	1.14e-03	1.51	0.4	2.28e-03	6.43e-04	0.0	0.0
55	122.583	0.008	0.202	0.04	1.18e-02	3.15e-03	8.91e-04	17.07	4.8	0.0	0.0
56	137.542	0.007	0.202	0.20	5.53e-02	9.68e-05	2.74e-05	2.64	0.7	0.0	0.0
57	155.443	0.006	0.202	1.73e-04	4.89e-05	1.44	0.4	0.82	0.2	0.0	0.0
58	200.013	0.005	0.202	1.15e-03	3.25e-04	5.46e-03	1.54e-03	11.75	3.3	0.0	0.0
Risulta				353.87		353.85		352.63			
In percentuale				100.00		99.99		99.65			

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

CDC	Tipo	Sigla Id	Note
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.324 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	0.0	0.23	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	0.0	0.12	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	0.0	0.12	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	0.0	0.23	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	0.0	0.12	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	0.0	0.10	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	0.0	0.10	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	0.0	0.12	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	0.0	0.23	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	0.0	0.12	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	0.0	0.10	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	0.0	0.10	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	0.0	0.12	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.455	2.199	0.157	5.68	1.6	0.0	0.0	0.0	0.0	0.0	0.0
2	0.463	2.159	0.157	5.49	1.6	0.0	0.0	0.0	0.0	0.0	0.0
3	0.481	2.078	0.157	6.92	2.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.483	2.069	0.157	10.20	2.9	0.0	0.0	0.0	0.0	0.0	0.0
5	0.484	2.067	0.157	1.51	0.4	0.0	0.0	0.0	0.0	0.0	0.0
6	0.490	2.040	0.157	5.86	1.7	0.0	0.0	0.0	0.0	0.0	0.0
7	0.492	2.031	0.157	7.98	2.3	0.0	0.0	0.0	0.0	0.0	0.0
8	0.493	2.029	0.157	1.35	0.4	0.0	0.0	0.0	0.0	0.0	0.0
9	3.085	0.324	0.644	248.31	70.2	2.95e-03	8.35e-04	1.43e-04	4.05e-05	0.0	0.0
10	4.489	0.223	0.433	0.46	0.1	0.01	4.08e-03	3.08e-03	8.69e-04	0.0	0.0
11	5.182	0.193	0.416	5.15e-03	1.45e-03	5.96e-03	1.68e-03	1.81e-03	5.11e-04	0.0	0.0
12	5.217	0.192	0.416	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	5.493	0.182	0.414	0.0	0.0	43.68	12.3	3.01	0.9	0.0	0.0
14	5.586	0.179	0.412	6.56e-03	1.85e-03	8.18	2.3	8.29	2.3	0.0	0.0
15	6.242	0.160	0.382	5.95	1.7	2.20e-03	6.22e-04	1.40e-04	3.96e-05	0.0	0.0
16	6.966	0.144	0.354	6.12e-04	1.73e-04	1.32	0.4	1.05	0.3	0.0	0.0
17	7.955	0.126	0.325	2.63e-04	7.42e-05	2.84	0.8	2.00	0.6	0.0	0.0
18	9.302	0.107	0.313	0.11	3.08e-02	47.90	13.5	0.10	2.72e-02	0.0	0.0
19	9.447	0.106	0.312	0.11	3.05e-02	52.23	14.8	1.86	0.5	0.0	0.0
20	9.808	0.102	0.312	0.09	2.47e-02	90.65	25.6	0.14	3.93e-02	0.0	0.0
21	10.042	0.100	0.310	0.37	0.1	21.21	6.0	8.05e-03	2.28e-03	0.0	0.0
22	11.250	0.089	0.287	0.02	4.48e-03	0.50	0.1	6.69	1.9	0.0	0.0
23	11.813	0.085	0.277	0.03	7.86e-03	0.45	0.1	6.62	1.9	0.0	0.0
24	12.388	0.081	0.269	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	12.804	0.078	0.263	0.81	0.2	1.81e-03	5.12e-04	1.99e-03	5.62e-04	0.0	0.0
26	14.858	0.067	0.241	11.52	3.3	0.09	2.49e-02	2.51	0.7	0.0	0.0
27	14.904	0.067	0.240	15.84	4.5	1.33e-03	3.77e-04	0.32	9.14e-02	0.0	0.0
28	16.548	0.060	0.226	0.13	3.73e-02	0.31	8.89e-02	1.15	0.3	0.0	0.0
29	17.796	0.056	0.222	1.36e-06	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	17.829	0.056	0.222	3.83e-04	1.08e-04	0.01	3.57e-03	0.06	1.57e-02	0.0	0.0
31	18.569	0.054	0.219	0.54	0.2	2.77	0.8	0.10	2.86e-02	0.0	0.0
32	19.275	0.052	0.217	9.74	2.8	0.19	5.29e-02	0.49	0.1	0.0	0.0
33	20.351	0.049	0.215	3.62	1.0	7.71e-04	2.18e-04	9.32e-03	2.63e-03	0.0	0.0
34	21.038	0.048	0.213	3.21	0.9	2.96e-03	8.37e-04	0.01	3.96e-03	0.0	0.0
35	23.769	0.042	0.207	3.21e-04	9.06e-05	43.44	12.3	0.05	1.48e-02	0.0	0.0
36	29.992	0.033	0.204	2.22e-04	6.27e-05	0.33	9.41e-02	3.25	0.9	0.0	0.0
37	31.922	0.031	0.204	2.28e-03	6.43e-04	2.17	0.6	1.91	0.5	0.0	0.0
38	32.920	0.030	0.204	0.51	0.1	1.73e-03	4.88e-04	3.45e-03	9.76e-04	0.0	0.0
39	33.421	0.030	0.204	1.72	0.5	0.03	8.91e-03	0.11	3.03e-02	0.0	0.0
40	33.971	0.029	0.204	0.16	4.55e-02	0.80	0.2	1.98	0.6	0.0	0.0
41	35.971	0.028	0.203	0.02	4.66e-03	0.98	0.3	3.13	0.9	0.0	0.0
42	39.412	0.025	0.203	0.02	4.59e-03	1.98	0.6	5.73	1.6	0.0	0.0
43	41.420	0.024	0.203	3.15	0.9	3.63e-03	1.03e-03	0.60	0.2	0.0	0.0
44	44.613	0.022	0.202	0.04	1.10e-02	0.12	3.26e-02	17.13	4.8	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
45	47.030	0.021	0.202	0.25	7.20e-02	0.09	2.67e-02	64.77	18.3	0.0	0.0
46	48.008	0.021	0.202	0.74	0.2	1.46e-03	4.12e-04	38.34	10.8	0.0	0.0
47	52.312	0.019	0.202	0.15	4.22e-02	0.29	8.07e-02	12.28	3.5	0.0	0.0
48	56.342	0.018	0.202	2.96e-03	8.37e-04	0.04	9.95e-03	86.53	24.5	0.0	0.0
49	59.693	0.017	0.202	0.02	6.93e-03	11.57	3.3	0.07	1.99e-02	0.0	0.0
50	63.274	0.016	0.202	0.68	0.2	1.61	0.5	0.02	5.40e-03	0.0	0.0
51	67.648	0.015	0.202	0.02	6.39e-03	8.81	2.5	4.28	1.2	0.0	0.0
52	70.956	0.014	0.202	5.23e-03	1.48e-03	5.75	1.6	38.47	10.9	0.0	0.0
53	89.637	0.011	0.202	0.07	1.97e-02	1.47	0.4	0.19	5.32e-02	0.0	0.0
54	101.796	0.010	0.202	0.06	1.79e-02	0.18	5.16e-02	12.56	3.5	0.0	0.0
55	104.243	0.010	0.202	0.19	5.50e-02	0.18	5.03e-02	5.65	1.6	0.0	0.0
56	138.196	0.007	0.202	0.16	4.58e-02	0.41	0.1	0.38	0.1	0.0	0.0
57	153.392	0.007	0.202	0.03	7.58e-03	1.25	0.4	0.30	8.39e-02	0.0	0.0
58	169.479	0.006	0.202	2.15e-04	6.06e-05	1.42e-03	4.01e-04	19.90	5.6	0.0	0.0
Risulta				353.87		353.84		352.06			
In percentuale				100.00		99.99		99.49			

CDC	Tipo	Sigla Id	Note
19	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.102 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	0.30	0.0	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	0.08	0.0	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	0.08	0.0	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	0.30	0.0	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	0.08	0.0	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	0.11	0.0	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	0.11	0.0	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	0.08	0.0	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	0.30	0.0	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	0.08	0.0	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	0.11	0.0	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	0.11	0.0	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	0.08	0.0	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	0.430	2.327	0.157	6.36	1.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.438	2.285	0.157	6.14	1.7	0.0	0.0	0.0	0.0	0.0	0.0
3	0.454	2.201	0.157	19.46	5.5	0.0	0.0	0.0	0.0	0.0	0.0
4	0.455	2.199	0.157	1.30	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5	0.455	2.199	0.157	0.10	2.96e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	0.463	2.161	0.157	15.75	4.4	0.0	0.0	0.0	0.0	0.0	0.0
7	0.463	2.160	0.157	1.24	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8	0.463	2.159	0.157	0.10	2.85e-02	0.0	0.0	0.0	0.0	0.0	0.0
9	3.074	0.325	0.640	242.17	68.4	8.18e-05	2.31e-05	7.50e-05	2.12e-05	0.0	0.0
10	4.544	0.220	0.422	2.63	0.7	9.40e-04	2.66e-04	4.31e-03	1.22e-03	0.0	0.0
11	5.318	0.188	0.415	0.08	2.14e-02	2.98e-03	8.43e-04	7.56e-04	2.14e-04	0.0	0.0
12	5.381	0.186	0.415	0.0	0.0	37.38	10.6	4.74	1.3	0.0	0.0
13	5.435	0.184	0.415	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	5.704	0.175	0.406	2.95e-03	8.32e-04	14.79	4.2	6.55	1.9	0.0	0.0
15	6.250	0.160	0.382	6.69	1.9	1.19e-04	3.36e-05	1.58e-03	4.47e-04	0.0	0.0
16	6.835	0.146	0.359	3.94e-04	1.11e-04	1.60	0.5	1.00	0.3	0.0	0.0
17	8.105	0.123	0.321	4.21e-04	1.19e-04	2.35	0.7	2.03	0.6	0.0	0.0
18	9.196	0.109	0.313	0.17	4.73e-02	51.34	14.5	1.74	0.5	0.0	0.0
19	9.548	0.105	0.312	0.17	4.80e-02	51.31	14.5	0.06	1.72e-02	0.0	0.0
20	9.822	0.102	0.312	0.19	5.28e-02	83.91	23.7	0.02	6.79e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
21	9.998	0.100	0.311	0.53	0.1	25.51	7.2	0.27	7.62e-02	0.0	0.0
22	11.473	0.087	0.283	0.02	4.27e-03	0.80	0.2	5.64	1.6	0.0	0.0
23	11.563	0.086	0.281	0.08	2.40e-02	0.31	8.71e-02	7.46	2.1	0.0	0.0
24	12.491	0.080	0.267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	12.927	0.077	0.262	0.55	0.2	3.72e-03	1.05e-03	0.08	2.40e-02	0.0	0.0
26	14.382	0.070	0.245	7.65	2.2	7.12e-03	2.01e-03	2.23	0.6	0.0	0.0
27	15.846	0.063	0.232	16.45	4.6	0.01	3.29e-03	0.61	0.2	0.0	0.0
28	16.191	0.062	0.229	2.54	0.7	0.06	1.67e-02	1.52	0.4	0.0	0.0
29	18.454	0.054	0.220	1.72e-06	0.0	5.30e-06	1.50e-06	6.62e-06	1.87e-06	0.0	0.0
30	18.455	0.054	0.220	2.84e-03	8.02e-04	0.04	1.02e-02	0.04	1.07e-02	0.0	0.0
31	18.752	0.053	0.219	0.65	0.2	2.41	0.7	0.09	2.66e-02	0.0	0.0
32	19.757	0.051	0.216	6.84	1.9	0.39	0.1	0.34	9.70e-02	0.0	0.0
33	20.775	0.048	0.214	6.46	1.8	0.07	1.95e-02	0.01	2.86e-03	0.0	0.0
34	22.625	0.044	0.210	1.65	0.5	8.32e-06	2.35e-06	2.12e-03	6.00e-04	0.0	0.0
35	23.768	0.042	0.207	0.02	6.57e-03	43.31	12.2	0.04	1.02e-02	0.0	0.0
36	29.783	0.034	0.204	1.72e-03	4.86e-04	0.09	2.52e-02	4.74	1.3	0.0	0.0
37	31.538	0.032	0.204	1.87	0.5	0.06	1.71e-02	0.08	2.19e-02	0.0	0.0
38	32.133	0.031	0.204	0.15	4.25e-02	2.45	0.7	1.52	0.4	0.0	0.0
39	33.952	0.029	0.204	4.06e-03	1.15e-03	0.89	0.3	0.62	0.2	0.0	0.0
40	36.841	0.027	0.203	0.28	8.02e-02	0.03	9.76e-03	0.22	6.11e-02	0.0	0.0
41	37.008	0.027	0.203	1.42e-04	4.03e-05	0.26	7.38e-02	5.81	1.6	0.0	0.0
42	41.024	0.024	0.203	3.09e-05	8.75e-06	2.35	0.7	4.25	1.2	0.0	0.0
43	42.218	0.024	0.203	2.49	0.7	7.26e-04	2.05e-04	0.84	0.2	0.0	0.0
44	45.599	0.022	0.202	1.52	0.4	0.09	2.61e-02	19.62	5.5	0.0	0.0
45	46.604	0.021	0.202	0.34	9.71e-02	0.15	4.36e-02	50.95	14.4	0.0	0.0
46	48.117	0.021	0.202	6.89e-03	1.95e-03	0.02	5.98e-03	46.41	13.1	0.0	0.0
47	54.229	0.018	0.202	2.44e-04	6.89e-05	0.81	0.2	60.96	17.2	0.0	0.0
48	56.766	0.018	0.202	1.05e-06	0.0	6.81	1.9	17.56	5.0	0.0	0.0
49	62.189	0.016	0.202	0.02	5.11e-03	0.20	5.67e-02	35.18	9.9	0.0	0.0
50	64.978	0.015	0.202	0.48	0.1	4.63	1.3	1.19	0.3	0.0	0.0
51	66.273	0.015	0.202	0.21	5.80e-02	12.66	3.6	0.34	9.59e-02	0.0	0.0
52	73.905	0.014	0.202	7.58e-03	2.14e-03	3.81	1.1	30.02	8.5	0.0	0.0
53	92.702	0.011	0.202	0.03	7.67e-03	0.77	0.2	8.20	2.3	0.0	0.0
54	103.489	0.010	0.202	0.29	8.29e-02	0.21	5.87e-02	0.05	1.33e-02	0.0	0.0
55	119.497	0.008	0.202	0.03	8.97e-03	0.62	0.2	10.05	2.8	0.0	0.0
56	144.484	0.007	0.202	0.13	3.55e-02	0.04	1.15e-02	4.56	1.3	0.0	0.0
57	156.245	0.006	0.202	0.01	4.19e-03	1.15	0.3	1.60	0.5	0.0	0.0
58	182.902	0.005	0.202	2.94e-03	8.30e-04	0.12	3.40e-02	12.94	3.7	0.0	0.0
Risulta				353.87		353.85		352.19			
In percentuale				100.00		99.99		99.52			

CDC	Tipo	Sigla Id	Note
20	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.104 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 58
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.80	55.93	2.92	2.35	-0.30	0.0	2.92	2.27	1.178	0.001	0.032
9.60	13.11	2.92	1.27	-0.08	0.0	2.92	0.82	2.387	0.0	0.342
8.40	11.42	2.92	1.46	-0.08	0.0	2.92	0.82	2.387	0.0	0.486
7.20	42.66	2.63	1.42	-0.30	0.0	2.92	1.77	1.144	0.081	0.153
6.00	12.75	2.94	1.24	-0.08	0.0	2.92	0.82	2.387	0.010	0.316
5.89	34.66	1.24	3.63	-0.11	0.0	1.48	4.09	1.524	0.156	0.435
4.91	34.96	4.60	3.63	-0.11	0.0	4.36	4.09	1.524	0.151	0.428
4.80	11.07	2.90	1.43	-0.08	0.0	2.92	0.82	2.387	0.012	0.461
3.60	48.52	2.92	1.15	-0.30	0.0	2.92	1.77	1.144	0.0	0.270
2.40	12.75	2.94	1.24	-0.08	0.0	2.92	0.82	2.387	0.010	0.316
2.29	32.08	1.24	3.56	-0.11	0.0	1.48	4.09	1.524	0.157	0.500
1.31	31.78	4.61	3.55	-0.11	0.0	4.36	4.09	1.524	0.163	0.509
1.20	12.18	2.90	1.41	-0.08	0.0	2.92	0.82	2.387	0.011	0.451
Risulta	353.87									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X	%	M efficace Y	%	M efficace Z	%	Energia	Energia x v
	Hz	sec	g	x g kN		x g kN		x g kN			
1	0.430	2.327	0.157	6.36	1.8	0.0	0.0	0.0	0.0	0.0	0.0
2	0.438	2.285	0.157	6.14	1.7	0.0	0.0	0.0	0.0	0.0	0.0
3	0.454	2.201	0.157	19.46	5.5	0.0	0.0	0.0	0.0	0.0	0.0
4	0.455	2.199	0.157	1.30	0.4	0.0	0.0	0.0	0.0	0.0	0.0
5	0.455	2.199	0.157	0.10	2.96e-02	0.0	0.0	0.0	0.0	0.0	0.0
6	0.463	2.161	0.157	15.75	4.4	0.0	0.0	0.0	0.0	0.0	0.0
7	0.463	2.160	0.157	1.24	0.3	0.0	0.0	0.0	0.0	0.0	0.0
8	0.463	2.159	0.157	0.10	2.85e-02	0.0	0.0	0.0	0.0	0.0	0.0
9	3.074	0.325	0.640	242.16	68.4	0.01	3.76e-03	9.30e-05	2.63e-05	0.0	0.0
10	4.544	0.220	0.422	2.63	0.7	0.06	1.79e-02	4.06e-03	1.15e-03	0.0	0.0
11	5.318	0.188	0.415	0.08	2.14e-02	8.96e-04	2.53e-04	7.13e-05	2.01e-05	0.0	0.0
12	5.435	0.184	0.415	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	5.461	0.183	0.415	6.91e-03	1.95e-03	28.83	8.1	3.64	1.0	0.0	0.0
14	5.627	0.178	0.410	6.71e-05	1.90e-05	22.81	6.4	7.72	2.2	0.0	0.0
15	6.249	0.160	0.382	6.69	1.9	8.01e-03	2.26e-03	1.12e-03	3.18e-04	0.0	0.0
16	7.103	0.141	0.349	4.73e-04	1.34e-04	1.02	0.3	1.09	0.3	0.0	0.0
17	7.811	0.128	0.329	1.36e-04	3.85e-05	3.24	0.9	1.96	0.6	0.0	0.0
18	9.055	0.110	0.313	0.16	4.46e-02	51.42	14.5	0.10	2.92e-02	0.0	0.0
19	9.624	0.104	0.312	0.12	3.34e-02	106.93	30.2	0.55	0.2	0.0	0.0
20	9.698	0.103	0.312	0.34	9.72e-02	19.17	5.4	1.46	0.4	0.0	0.0
21	10.156	0.098	0.308	0.44	0.1	34.67	9.8	0.02	5.41e-03	0.0	0.0
22	11.034	0.091	0.291	0.06	1.59e-02	0.29	8.10e-02	6.57	1.9	0.0	0.0
23	12.061	0.083	0.274	0.06	1.69e-02	0.54	0.2	6.63	1.9	0.0	0.0
24	12.491	0.080	0.267	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	12.927	0.077	0.262	0.57	0.2	2.36e-04	6.68e-05	0.10	2.87e-02	0.0	0.0
26	14.465	0.069	0.245	8.00	2.3	0.10	2.83e-02	1.81	0.5	0.0	0.0
27	15.872	0.063	0.232	17.65	5.0	1.62e-05	4.57e-06	0.29	8.12e-02	0.0	0.0
28	16.255	0.062	0.229	1.04	0.3	0.72	0.2	1.92	0.5	0.0	0.0
29	17.916	0.056	0.221	2.60e-03	7.35e-04	2.87	0.8	0.15	4.13e-02	0.0	0.0
30	18.450	0.054	0.220	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	18.463	0.054	0.220	0.03	8.29e-03	4.26e-03	1.20e-03	0.02	6.58e-03	0.0	0.0
32	20.023	0.050	0.215	12.22	3.5	0.04	1.00e-02	0.43	0.1	0.0	0.0
33	21.760	0.046	0.211	1.64	0.5	0.78	0.2	0.05	1.38e-02	0.0	0.0
34	22.625	0.044	0.210	1.61	0.5	0.02	6.71e-03	3.70e-03	1.05e-03	0.0	0.0
35	23.926	0.042	0.207	0.01	3.45e-03	42.63	12.0	0.05	1.38e-02	0.0	0.0
36	29.686	0.034	0.204	1.04e-05	2.95e-06	1.35	0.4	0.71	0.2	0.0	0.0
37	30.990	0.032	0.204	0.04	1.12e-02	0.72	0.2	3.48	1.0	0.0	0.0
38	31.581	0.032	0.204	1.98	0.6	1.18e-03	3.33e-04	0.11	3.10e-02	0.0	0.0
39	34.534	0.029	0.204	0.03	7.19e-03	1.35	0.4	1.93	0.5	0.0	0.0
40	36.124	0.028	0.203	0.04	1.09e-02	1.72	0.5	3.51	1.0	0.0	0.0
41	36.827	0.027	0.203	0.23	6.48e-02	0.02	4.78e-03	0.21	5.90e-02	0.0	0.0
42	38.889	0.026	0.203	0.03	8.13e-03	1.21	0.3	5.64	1.6	0.0	0.0
43	42.313	0.024	0.203	2.50	0.7	5.42e-04	1.53e-04	1.25	0.4	0.0	0.0
44	45.637	0.022	0.202	1.54	0.4	0.10	2.92e-02	19.91	5.6	0.0	0.0
45	46.256	0.022	0.202	0.29	8.32e-02	0.15	4.28e-02	60.60	17.1	0.0	0.0
46	49.334	0.020	0.202	5.87e-03	1.66e-03	0.10	2.73e-02	50.01	14.1	0.0	0.0
47	52.637	0.019	0.202	1.44e-04	4.06e-05	0.21	5.93e-02	9.38	2.7	0.0	0.0
48	56.966	0.018	0.202	6.23e-04	1.76e-04	0.07	2.11e-02	82.27	23.2	0.0	0.0
49	60.841	0.016	0.202	3.20e-03	9.04e-04	16.60	4.7	0.98	0.3	0.0	0.0
50	65.436	0.015	0.202	0.71	0.2	0.02	6.30e-03	0.05	1.46e-02	0.0	0.0
51	70.366	0.014	0.202	7.31e-06	2.07e-06	0.68	0.2	27.87	7.9	0.0	0.0
52	72.710	0.014	0.202	1.17e-04	3.30e-05	10.13	2.9	9.95	2.8	0.0	0.0
53	96.665	0.010	0.202	7.48e-05	2.11e-05	1.62	0.5	3.55	1.0	0.0	0.0
54	103.789	0.010	0.202	0.35	9.90e-02	7.14e-04	2.02e-04	0.08	2.14e-02	0.0	0.0
55	105.361	0.009	0.202	9.35e-04	2.64e-04	0.20	5.58e-02	16.39	4.6	0.0	0.0
56	148.518	0.007	0.202	0.14	4.04e-02	2.76e-06	0.0	6.67e-03	1.89e-03	0.0	0.0
57	154.974	0.006	0.202	3.78e-04	1.07e-04	1.38	0.4	2.21	0.6	0.0	0.0
58	173.458	0.006	0.202	2.27e-05	6.40e-06	0.04	1.05e-02	17.48	4.9	0.0	0.0
Risulta				353.87		353.85		352.14			
In percentuale				100.00		99.99		99.51			

Cmb	Pilas. 1000 etaT/h	etaT	inter. h	Pilas. 1000 etaT/h	etaT	inter. h	Pilas. 1000 etaT/h	etaT	inter. h
		mm	cm		mm	cm		mm	cm
51	90	1.18	11.0	102	1.35	120.0	114	1.62	120.0
	116	1.36	120.0	117	1.63	120.0	118	0.93	1.12

	119	1.27	1.53	120.0	120	1.63	1.96	120.0	121	0.78	0.09	11.0
	122	0.87	1.04	120.0	123	0.65	0.71	109.0	124	2.27	2.72	120.0
	125	2.27	2.72	120.0	126	0.23	0.27	120.0	127	0.24	0.29	120.0
	128	1.23	1.47	120.0	129	0.30	0.35	120.0	130	0.32	0.38	120.0
	131	0.88	1.05	120.0	132	1.02	1.22	120.0	133	1.36	1.64	120.0
	134	0.88	1.06	120.0	135	1.08	1.29	120.0	136	2.46	2.96	120.0
	137	2.46	2.96	120.0	138	1.31	1.57	120.0	139	1.32	1.59	120.0
	140	1.07	1.17	109.0	142	0.23	0.18	80.0	143	0.23	0.18	80.0
	147	1.08	1.17	109.0	159	0.52	0.41	80.0	160	2.21	2.65	120.0
	161	1.59	5.74	360.0	163	0.86	0.09	11.0	168	1.27	0.14	11.0
	176	2.09	7.53	360.0	177	1.39	1.82	131.0	178	1.60	2.09	131.0
	179	2.09	7.53	360.0	180	0.89	2.04	229.0	181	1.64	3.76	229.0
	182	0.26	0.93	360.0	183	0.45	1.61	360.0	186	1.06	3.83	360.0
	187	1.07	3.84	360.0	188	1.43	5.15	360.0	189	1.43	5.16	360.0
	190	1.08	3.88	360.0	191	1.08	3.88	360.0	192	1.57	2.06	131.0
	193	0.63	0.69	109.0	194	0.47	0.95	200.0	195	1.14	2.28	200.0
	196	0.97	2.99	309.0	199	1.58	5.67	360.0	202	0.51	1.01	200.0
	203	0.52	0.41	80.0	204	0.18	0.14	80.0	205	1.57	5.66	360.0
	206	1.13	2.27	200.0	207	0.15	0.54	360.0	208	0.17	0.20	120.0
	209	0.98	2.24	229.0	210	0.69	4.08	589.0	211	0.80	3.93	491.0
	212	1.18	1.54	131.0	213	0.19	0.23	120.0	214	0.16	0.59	360.0
	229	2.21	2.65	120.0	230	0.46	0.37	80.0	231	1.66	3.81	229.0
	232	1.40	2.96	211.0	233	1.64	5.90	360.0				
52	90	1.18	0.13	11.0	102	1.35	1.63	120.0	114	1.35	1.62	120.0
	116	1.36	1.63	120.0	117	1.65	1.97	120.0	118	0.93	1.12	120.0
	119	1.28	1.54	120.0	120	1.64	1.97	120.0	121	0.77	0.09	11.0
	122	0.87	1.04	120.0	123	0.64	0.70	109.0	124	2.26	2.71	120.0
	125	2.26	2.71	120.0	126	0.25	0.30	120.0	127	0.22	0.27	120.0
	128	1.23	1.47	120.0	129	0.33	0.40	120.0	130	0.31	0.38	120.0
	131	0.88	1.06	120.0	132	1.02	1.22	120.0	133	1.37	1.64	120.0
	134	0.87	1.05	120.0	135	1.08	1.29	120.0	136	2.46	2.95	120.0
	137	2.46	2.95	120.0	138	1.31	1.58	120.0	139	1.32	1.58	120.0
	140	1.07	1.17	109.0	142	0.23	0.18	80.0	143	0.23	0.18	80.0
	147	1.07	1.17	109.0	159	0.51	0.41	80.0	160	2.22	2.66	120.0
	161	1.62	5.84	360.0	163	0.87	0.10	11.0	168	1.27	0.14	11.0
	176	2.08	7.49	360.0	177	1.36	1.78	131.0	178	1.54	2.02	131.0
	179	2.08	7.49	360.0	180	0.92	2.10	229.0	181	1.65	3.78	229.0
	182	0.26	0.95	360.0	183	0.47	1.69	360.0	186	1.07	3.85	360.0
	187	1.07	3.84	360.0	188	1.43	5.16	360.0	189	1.43	5.15	360.0
	190	1.08	3.89	360.0	191	1.08	3.88	360.0	192	1.59	2.08	131.0
	193	0.65	0.71	109.0	194	0.47	0.94	200.0	195	1.13	2.25	200.0
	196	1.13	3.49	309.0	199	1.58	5.68	360.0	202	0.51	1.01	200.0
	203	0.51	0.41	80.0	204	0.18	0.15	80.0	205	1.58	5.68	360.0
	206	1.13	2.26	200.0	207	0.18	0.64	360.0	208	0.18	0.22	120.0
	209	0.97	2.21	229.0	210	0.67	3.92	589.0	211	0.91	4.48	491.0
	212	1.20	1.57	131.0	213	0.13	0.16	120.0	214	0.15	0.54	360.0
	229	2.22	2.66	120.0	230	0.46	0.37	80.0	231	1.67	3.82	229.0
	232	1.32	2.78	211.0	233	1.61	5.79	360.0				
53	90	1.19	0.13	11.0	102	1.36	1.63	120.0	114	1.35	1.63	120.0
	116	1.37	1.64	120.0	117	1.64	1.97	120.0	118	0.94	1.13	120.0
	119	1.28	1.54	120.0	120	1.64	1.97	120.0	121	0.78	0.09	11.0
	122	0.87	1.05	120.0	123	0.63	0.69	109.0	124	2.25	2.71	120.0
	125	2.25	2.70	120.0	126	0.23	0.27	120.0	127	0.22	0.26	120.0
	128	1.23	1.48	120.0	129	0.32	0.39	120.0	130	0.30	0.36	120.0
	131	0.88	1.06	120.0	132	1.02	1.23	120.0	133	1.37	1.65	120.0
	134	0.87	1.05	120.0	135	1.09	1.30	120.0	136	2.46	2.95	120.0
	137	2.46	2.95	120.0	138	1.32	1.58	120.0	139	1.33	1.59	120.0
	140	1.08	1.18	109.0	142	0.23	0.18	80.0	143	0.23	0.18	80.0
	147	1.08	1.18	109.0	159	0.51	0.41	80.0	160	2.21	2.66	120.0
	161	1.60	5.75	360.0	163	0.87	0.10	11.0	168	1.27	0.14	11.0
	176	2.08	7.49	360.0	177	1.37	1.79	131.0	178	1.56	2.05	131.0
	179	2.08	7.49	360.0	180	0.87	2.00	229.0	181	1.62	3.71	229.0
	182	0.28	1.02	360.0	183	0.49	1.75	360.0	186	1.08	3.88	360.0
	187	1.07	3.87	360.0	188	1.44	5.18	360.0	189	1.44	5.17	360.0
	190	1.08	3.90	360.0	191	1.08	3.89	360.0	192	1.56	2.05	131.0
	193	0.66	0.72	109.0	194	0.48	0.96	200.0	195	1.12	2.25	200.0
	196	1.01	3.12	309.0	199	1.57	5.67	360.0	202	0.50	1.00	200.0
	203	0.51	0.41	80.0	204	0.18	0.14	80.0	205	1.58	5.68	360.0
	206	1.13	2.25	200.0	207	0.14	0.49	360.0	208	0.17	0.21	120.0
	209	0.98	2.25	229.0	210	0.83	4.88	589.0	211	0.72	3.52	491.0
	212	1.12	1.47	131.0	213	0.15	0.18	120.0	214	0.13	0.46	360.0
	229	2.21	2.66	120.0	230	0.46	0.37	80.0	231	1.69	3.87	229.0
	232	1.44	3.03	211.0	233	1.67	6.01	360.0				
54	90	1.19	0.13	11.0	102	1.35	1.63	120.0	114	1.36	1.63	120.0
	116	1.37	1.64	120.0	117	1.63	1.96	120.0	118	0.94	1.12	120.0

	119	1.28	1.54	120.0	120	1.63	1.96	120.0	121	0.78	0.09	11.0
	122	0.87	1.05	120.0	123	0.64	0.70	109.0	124	2.27	2.72	120.0
	125	2.27	2.72	120.0	126	0.21	0.25	120.0	127	0.24	0.28	120.0
	128	1.24	1.48	120.0	129	0.30	0.36	120.0	130	0.31	0.38	120.0
	131	0.88	1.05	120.0	132	1.02	1.22	120.0	133	1.37	1.64	120.0
	134	0.88	1.06	120.0	135	1.08	1.30	120.0	136	2.46	2.95	120.0
	137	2.46	2.95	120.0	138	1.31	1.57	120.0	139	1.33	1.60	120.0
	140	1.07	1.17	109.0	142	0.23	0.18	80.0	143	0.23	0.18	80.0
	147	1.08	1.18	109.0	159	0.52	0.41	80.0	160	2.21	2.65	120.0
	161	1.61	5.79	360.0	163	0.86	0.09	11.0	168	1.27	0.14	11.0
	176	2.09	7.53	360.0	177	1.32	1.73	131.0	178	1.51	1.98	131.0
	179	2.09	7.52	360.0	180	0.88	2.02	229.0	181	1.63	3.74	229.0
	182	0.28	1.01	360.0	183	0.46	1.67	360.0	186	1.07	3.85	360.0
	187	1.07	3.86	360.0	188	1.44	5.17	360.0	189	1.44	5.18	360.0
	190	1.08	3.89	360.0	191	1.08	3.89	360.0	192	1.59	2.08	131.0
	193	0.64	0.70	109.0	194	0.48	0.96	200.0	195	1.14	2.27	200.0
	196	1.17	3.60	309.0	199	1.57	5.66	360.0	202	0.50	1.00	200.0
	203	0.52	0.41	80.0	204	0.18	0.14	80.0	205	1.57	5.66	360.0
	206	1.13	2.27	200.0	207	0.12	0.42	360.0	208	0.14	0.17	120.0
	209	0.96	2.19	229.0	210	0.66	3.87	589.0	211	0.94	4.60	491.0
	212	1.12	1.46	131.0	213	0.19	0.23	120.0	214	0.14	0.49	360.0
	229	2.21	2.65	120.0	230	0.45	0.36	80.0	231	1.68	3.84	229.0
	232	1.34	2.83	211.0	233	1.63	5.87	360.0				
55	90	1.18	0.13	11.0	102	1.34	1.61	120.0	114	1.35	1.62	120.0
	116	1.36	1.63	120.0	117	1.64	1.97	120.0	118	0.93	1.11	120.0
	119	1.27	1.53	120.0	120	1.64	1.97	120.0	121	0.78	0.09	11.0
	122	0.87	1.04	120.0	123	0.65	0.71	109.0	124	2.25	2.70	120.0
	125	2.25	2.70	120.0	126	0.23	0.28	120.0	127	0.24	0.29	120.0
	128	1.23	1.47	120.0	129	0.31	0.37	120.0	130	0.33	0.40	120.0
	131	0.87	1.05	120.0	132	1.01	1.22	120.0	133	1.36	1.63	120.0
	134	0.88	1.05	120.0	135	1.07	1.29	120.0	136	2.45	2.95	120.0
	137	2.45	2.95	120.0	138	1.31	1.57	120.0	139	1.32	1.58	120.0
	140	1.07	1.16	109.0	142	0.23	0.18	80.0	143	0.23	0.18	80.0
	147	1.07	1.17	109.0	159	0.51	0.41	80.0	160	2.22	2.66	120.0
	161	1.60	5.76	360.0	163	0.86	0.09	11.0	168	1.26	0.14	11.0
	176	2.07	7.47	360.0	177	1.40	1.83	131.0	178	1.59	2.08	131.0
	179	2.07	7.47	360.0	180	0.90	2.05	229.0	181	1.64	3.75	229.0
	182	0.28	0.99	360.0	183	0.47	1.69	360.0	186	1.06	3.82	360.0
	187	1.06	3.83	360.0	188	1.43	5.14	360.0	189	1.43	5.15	360.0
	190	1.07	3.87	360.0	191	1.07	3.87	360.0	192	1.58	2.07	131.0
	193	0.63	0.68	109.0	194	0.47	0.95	200.0	195	1.12	2.25	200.0
	196	0.99	3.05	309.0	199	1.58	5.68	360.0	202	0.51	1.01	200.0
	203	0.51	0.41	80.0	204	0.18	0.14	80.0	205	1.58	5.67	360.0
	206	1.12	2.24	200.0	207	0.16	0.57	360.0	208	0.15	0.18	120.0
	209	0.98	2.24	229.0	210	0.71	4.21	589.0	211	0.82	4.04	491.0
	212	1.17	1.53	131.0	213	0.17	0.21	120.0	214	0.17	0.62	360.0
	229	2.22	2.66	120.0	230	0.47	0.38	80.0	231	1.67	3.83	229.0
	232	1.42	2.99	211.0	233	1.65	5.93	360.0				
56	90	1.18	0.13	11.0	102	1.36	1.63	120.0	114	1.35	1.62	120.0
	116	1.36	1.63	120.0	117	1.64	1.96	120.0	118	0.94	1.12	120.0
	119	1.28	1.54	120.0	120	1.63	1.96	120.0	121	0.77	0.08	11.0
	122	0.87	1.05	120.0	123	0.64	0.70	109.0	124	2.28	2.73	120.0
	125	2.28	2.73	120.0	126	0.25	0.30	120.0	127	0.22	0.26	120.0
	128	1.23	1.47	120.0	129	0.32	0.38	120.0	130	0.30	0.36	120.0
	131	0.89	1.07	120.0	132	1.02	1.22	120.0	133	1.37	1.64	120.0
	134	0.88	1.06	120.0	135	1.08	1.30	120.0	136	2.47	2.96	120.0
	137	2.47	2.96	120.0	138	1.32	1.58	120.0	139	1.32	1.58	120.0
	140	1.08	1.17	109.0	142	0.23	0.18	80.0	143	0.23	0.18	80.0
	147	1.08	1.17	109.0	159	0.52	0.42	80.0	160	2.21	2.65	120.0
	161	1.61	5.81	360.0	163	0.87	0.10	11.0	168	1.27	0.14	11.0
	176	2.10	7.55	360.0	177	1.35	1.77	131.0	178	1.55	2.03	131.0
	179	2.10	7.55	360.0	180	0.91	2.09	229.0	181	1.65	3.78	229.0
	182	0.25	0.88	360.0	183	0.45	1.61	360.0	186	1.07	3.86	360.0
	187	1.07	3.85	360.0	188	1.44	5.17	360.0	189	1.43	5.16	360.0
	190	1.08	3.89	360.0	191	1.08	3.89	360.0	192	1.58	2.07	131.0
	193	0.65	0.71	109.0	194	0.47	0.94	200.0	195	1.14	2.28	200.0
	196	1.11	3.44	309.0	199	1.58	5.67	360.0	202	0.50	1.01	200.0
	203	0.52	0.42	80.0	204	0.18	0.14	80.0	205	1.58	5.67	360.0
	206	1.14	2.29	200.0	207	0.17	0.62	360.0	208	0.19	0.23	120.0
	209	0.97	2.21	229.0	210	0.64	3.79	589.0	211	0.89	4.36	491.0
	212	1.21	1.58	131.0	213	0.14	0.17	120.0	214	0.14	0.51	360.0
	229	2.21	2.65	120.0	230	0.46	0.37	80.0	231	1.66	3.80	229.0
	232	1.30	2.74	211.0	233	1.60	5.76	360.0				
57	90	1.19	0.13	11.0	102	1.36	1.63	120.0	114	1.36	1.63	120.0
	116	1.37	1.64	120.0	117	1.63	1.96	120.0	118	0.94	1.13	120.0

	119	1.29	1.54	120.0	120	1.63	1.96	120.0	121	0.78	0.09	11.0
	122	0.88	1.05	120.0	123	0.64	0.69	109.0	124	2.27	2.73	120.0
	125	2.27	2.73	120.0	126	0.23	0.27	120.0	127	0.21	0.26	120.0
	128	1.24	1.48	120.0	129	0.31	0.37	120.0	130	0.29	0.35	120.0
	131	0.89	1.06	120.0	132	1.03	1.23	120.0	133	1.37	1.65	120.0
	134	0.88	1.06	120.0	135	1.09	1.31	120.0	136	2.47	2.96	120.0
	137	2.47	2.96	120.0	138	1.32	1.58	120.0	139	1.33	1.60	120.0
	140	1.08	1.18	109.0	142	0.23	0.18	80.0	143	0.23	0.18	80.0
	147	1.08	1.18	109.0	159	0.52	0.42	80.0	160	2.21	2.65	120.0
	161	1.59	5.73	360.0	163	0.87	0.10	11.0	168	1.28	0.14	11.0
	176	2.10	7.55	360.0	177	1.34	1.76	131.0	178	1.56	2.04	131.0
	179	2.10	7.55	360.0	180	0.86	1.96	229.0	181	1.62	3.70	229.0
	182	0.27	0.96	360.0	183	0.47	1.67	360.0	186	1.08	3.88	360.0
	187	1.08	3.87	360.0	188	1.44	5.19	360.0	189	1.44	5.18	360.0
	190	1.08	3.91	360.0	191	1.08	3.90	360.0	192	1.55	2.03	131.0
	193	0.66	0.72	109.0	194	0.48	0.96	200.0	195	1.14	2.28	200.0
	196	1.01	3.13	309.0	199	1.57	5.66	360.0	202	0.50	1.00	200.0
	203	0.52	0.42	80.0	204	0.18	0.14	80.0	205	1.58	5.67	360.0
	206	1.14	2.28	200.0	207	0.13	0.46	360.0	208	0.19	0.22	120.0
	209	0.97	2.23	229.0	210	0.83	4.88	589.0	211	0.71	3.49	491.0
	212	1.13	1.48	131.0	213	0.16	0.20	120.0	214	0.12	0.42	360.0
	229	2.21	2.65	120.0	230	0.45	0.36	80.0	231	1.68	3.85	229.0
	232	1.44	3.03	211.0	233	1.67	6.01	360.0				
58	90	1.19	0.13	11.0	102	1.35	1.62	120.0	114	1.36	1.63	120.0
	116	1.36	1.64	120.0	117	1.64	1.97	120.0	118	0.93	1.12	120.0
	119	1.28	1.53	120.0	120	1.64	1.97	120.0	121	0.78	0.09	11.0
	122	0.87	1.05	120.0	123	0.64	0.70	109.0	124	2.25	2.69	120.0
	125	2.25	2.69	120.0	126	0.21	0.25	120.0	127	0.24	0.28	120.0
	128	1.23	1.48	120.0	129	0.31	0.38	120.0	130	0.33	0.39	120.0
	131	0.87	1.04	120.0	132	1.02	1.22	120.0	133	1.36	1.64	120.0
	134	0.88	1.05	120.0	135	1.08	1.30	120.0	136	2.45	2.94	120.0
	137	2.45	2.94	120.0	138	1.31	1.57	120.0	139	1.33	1.59	120.0
	140	1.07	1.17	109.0	142	0.23	0.18	80.0	143	0.23	0.18	80.0
	147	1.08	1.18	109.0	159	0.51	0.41	80.0	160	2.21	2.66	120.0
	161	1.61	5.80	360.0	163	0.86	0.09	11.0	168	1.27	0.14	11.0
	176	2.07	7.47	360.0	177	1.35	1.76	131.0	178	1.52	1.99	131.0
	179	2.07	7.46	360.0	180	0.90	2.05	229.0	181	1.64	3.75	229.0
	182	0.30	1.07	360.0	183	0.48	1.75	360.0	186	1.07	3.85	360.0
	187	1.07	3.85	360.0	188	1.43	5.16	360.0	189	1.44	5.17	360.0
	190	1.08	3.88	360.0	191	1.08	3.88	360.0	192	1.61	2.11	131.0
	193	0.64	0.70	109.0	194	0.48	0.96	200.0	195	1.12	2.24	200.0
	196	1.16	3.58	309.0	199	1.57	5.67	360.0	202	0.50	1.00	200.0
	203	0.51	0.41	80.0	204	0.18	0.14	80.0	205	1.58	5.67	360.0
	206	1.12	2.24	200.0	207	0.13	0.46	360.0	208	0.13	0.15	120.0
	209	0.96	2.20	229.0	210	0.66	3.90	589.0	211	0.94	4.60	491.0
	212	1.12	1.47	131.0	213	0.17	0.21	120.0	214	0.14	0.52	360.0
	229	2.21	2.66	120.0	230	0.46	0.37	80.0	231	1.69	3.87	229.0
	232	1.34	2.83	211.0	233	1.63	5.88	360.0				
59	90	1.26	0.14	11.0	102	1.43	1.71	120.0	114	1.43	1.72	120.0
	116	1.44	1.72	120.0	117	1.61	1.93	120.0	118	1.00	1.20	120.0
	119	1.36	1.63	120.0	120	1.61	1.94	120.0	121	0.83	0.09	11.0
	122	0.93	1.12	120.0	123	0.70	0.76	109.0	124	1.89	2.26	120.0
	125	1.89	2.26	120.0	126	0.15	0.18	120.0	127	0.17	0.21	120.0
	128	1.31	1.57	120.0	129	0.17	0.21	120.0	130	0.22	0.26	120.0
	131	1.09	1.31	120.0	132	1.08	1.30	120.0	133	1.44	1.73	120.0
	134	1.10	1.31	120.0	135	1.15	1.38	120.0	136	2.11	2.53	120.0
	137	2.11	2.53	120.0	138	1.39	1.67	120.0	139	1.40	1.68	120.0
	140	1.14	1.24	109.0	142	0.28	0.22	80.0	143	0.28	0.22	80.0
	147	1.15	1.25	109.0	159	0.42	0.33	80.0	160	1.98	2.38	120.0
	161	2.08	7.49	360.0	163	0.93	0.10	11.0	168	1.35	0.15	11.0
	176	1.75	6.30	360.0	177	1.88	2.46	131.0	178	1.94	2.54	131.0
	179	1.75	6.30	360.0	180	1.22	2.79	229.0	181	2.08	4.76	229.0
	182	0.16	0.59	360.0	183	0.07	0.24	360.0	186	0.96	3.45	360.0
	187	0.96	3.46	360.0	188	1.57	5.65	360.0	189	1.57	5.66	360.0
	190	1.28	4.62	360.0	191	1.28	4.62	360.0	192	2.13	2.79	131.0
	193	0.68	0.74	109.0	194	0.51	1.02	200.0	195	0.93	1.86	200.0
	196	1.18	3.63	309.0	199	1.56	5.63	360.0	202	0.54	1.09	200.0
	203	0.42	0.33	80.0	204	0.26	0.21	80.0	205	1.56	5.62	360.0
	206	0.93	1.85	200.0	207	0.28	1.00	360.0	208	0.56	0.67	120.0
	209	1.06	2.43	229.0	210	0.55	3.25	589.0	211	0.63	3.07	491.0
	212	1.27	1.66	131.0	213	0.57	0.68	120.0	214	0.28	1.02	360.0
	229	1.98	2.38	120.0	230	0.66	0.53	80.0	231	2.23	5.11	229.0
	232	1.70	3.60	211.0	233	2.12	7.64	360.0				
60	90	1.26	0.14	11.0	102	1.43	1.72	120.0	114	1.43	1.71	120.0
	116	1.44	1.72	120.0	117	1.62	1.95	120.0	118	1.00	1.20	120.0

	119	1.36	1.63	120.0	120	1.62	1.94	120.0	121	0.83	0.09	11.0
	122	0.93	1.12	120.0	123	0.69	0.75	109.0	124	1.87	2.25	120.0
	125	1.87	2.25	120.0	126	0.18	0.21	120.0	127	0.14	0.17	120.0
	128	1.30	1.56	120.0	129	0.21	0.26	120.0	130	0.17	0.21	120.0
	131	1.09	1.31	120.0	132	1.09	1.31	120.0	133	1.44	1.73	120.0
	134	1.09	1.30	120.0	135	1.15	1.38	120.0	136	2.10	2.52	120.0
	137	2.10	2.52	120.0	138	1.39	1.67	120.0	139	1.40	1.68	120.0
	140	1.14	1.25	109.0	142	0.28	0.22	80.0	143	0.28	0.22	80.0
	147	1.15	1.25	109.0	159	0.41	0.33	80.0	160	1.99	2.39	120.0
	161	2.10	7.57	360.0	163	0.93	0.10	11.0	168	1.36	0.15	11.0
	176	1.74	6.27	360.0	177	1.86	2.44	131.0	178	1.90	2.49	131.0
	179	1.74	6.27	360.0	180	1.24	2.85	229.0	181	2.09	4.78	229.0
	182	0.14	0.52	360.0	183	0.09	0.33	360.0	186	0.96	3.47	360.0
	187	0.96	3.47	360.0	188	1.57	5.65	360.0	189	1.57	5.65	360.0
	190	1.29	4.63	360.0	191	1.29	4.63	360.0	192	2.14	2.80	131.0
	193	0.69	0.76	109.0	194	0.51	1.02	200.0	195	0.92	1.83	200.0
	196	1.31	4.06	309.0	199	1.56	5.63	360.0	202	0.54	1.09	200.0
	203	0.41	0.33	80.0	204	0.26	0.21	80.0	205	1.57	5.64	360.0
	206	0.92	1.84	200.0	207	0.28	0.99	360.0	208	0.55	0.66	120.0
	209	1.05	2.40	229.0	210	0.51	3.02	589.0	211	0.76	3.73	491.0
	212	1.28	1.68	131.0	213	0.54	0.65	120.0	214	0.27	0.96	360.0
	229	1.99	2.39	120.0	230	0.66	0.53	80.0	231	2.23	5.11	229.0
	232	1.64	3.45	211.0	233	2.10	7.56	360.0				
61	90	1.27	0.14	11.0	102	1.44	1.73	120.0	114	1.43	1.72	120.0
	116	1.44	1.73	120.0	117	1.62	1.95	120.0	118	1.01	1.21	120.0
	119	1.37	1.64	120.0	120	1.62	1.94	120.0	121	0.84	0.09	11.0
	122	0.94	1.12	120.0	123	0.68	0.74	109.0	124	1.87	2.25	120.0
	125	1.87	2.25	120.0	126	0.17	0.20	120.0	127	0.15	0.18	120.0
	128	1.31	1.57	120.0	129	0.21	0.25	120.0	130	0.17	0.20	120.0
	131	1.09	1.31	120.0	132	1.09	1.31	120.0	133	1.45	1.74	120.0
	134	1.09	1.30	120.0	135	1.16	1.39	120.0	136	2.10	2.52	120.0
	137	2.10	2.52	120.0	138	1.40	1.68	120.0	139	1.41	1.69	120.0
	140	1.15	1.25	109.0	142	0.28	0.22	80.0	143	0.28	0.22	80.0
	147	1.15	1.26	109.0	159	0.41	0.33	80.0	160	1.99	2.39	120.0
	161	2.09	7.51	360.0	163	0.93	0.10	11.0	168	1.36	0.15	11.0
	176	1.74	6.26	360.0	177	1.88	2.46	131.0	178	1.93	2.53	131.0
	179	1.74	6.27	360.0	180	1.22	2.80	229.0	181	2.07	4.74	229.0
	182	0.14	0.50	360.0	183	0.12	0.45	360.0	186	0.97	3.50	360.0
	187	0.97	3.49	360.0	188	1.58	5.67	360.0	189	1.57	5.67	360.0
	190	1.29	4.64	360.0	191	1.29	4.64	360.0	192	2.13	2.79	131.0
	193	0.71	0.77	109.0	194	0.52	1.03	200.0	195	0.91	1.83	200.0
	196	1.22	3.76	309.0	199	1.56	5.63	360.0	202	0.54	1.08	200.0
	203	0.41	0.33	80.0	204	0.26	0.21	80.0	205	1.57	5.64	360.0
	206	0.92	1.84	200.0	207	0.27	0.96	360.0	208	0.55	0.66	120.0
	209	1.09	2.50	229.0	210	0.72	4.25	589.0	211	0.51	2.52	491.0
	212	1.19	1.56	131.0	213	0.54	0.65	120.0	214	0.27	0.96	360.0
	229	1.99	2.39	120.0	230	0.66	0.53	80.0	231	2.25	5.15	229.0
	232	1.74	3.67	211.0	233	2.15	7.75	360.0				
62	90	1.27	0.14	11.0	102	1.43	1.72	120.0	114	1.44	1.73	120.0
	116	1.44	1.73	120.0	117	1.61	1.93	120.0	118	1.00	1.20	120.0
	119	1.36	1.63	120.0	120	1.61	1.93	120.0	121	0.84	0.09	11.0
	122	0.93	1.12	120.0	123	0.69	0.75	109.0	124	1.88	2.26	120.0
	125	1.88	2.26	120.0	126	0.15	0.18	120.0	127	0.18	0.21	120.0
	128	1.31	1.58	120.0	129	0.19	0.22	120.0	130	0.22	0.27	120.0
	131	1.09	1.31	120.0	132	1.09	1.31	120.0	133	1.45	1.73	120.0
	134	1.09	1.31	120.0	135	1.16	1.39	120.0	136	2.11	2.53	120.0
	137	2.11	2.53	120.0	138	1.39	1.67	120.0	139	1.41	1.69	120.0
	140	1.15	1.25	109.0	142	0.28	0.22	80.0	143	0.28	0.22	80.0
	147	1.15	1.26	109.0	159	0.42	0.33	80.0	160	1.98	2.38	120.0
	161	2.09	7.54	360.0	163	0.92	0.10	11.0	168	1.36	0.15	11.0
	176	1.75	6.30	360.0	177	1.84	2.41	131.0	178	1.90	2.49	131.0
	179	1.75	6.30	360.0	180	1.23	2.81	229.0	181	2.09	4.77	229.0
	182	0.17	0.60	360.0	183	0.09	0.33	360.0	186	0.97	3.48	360.0
	187	0.97	3.48	360.0	188	1.58	5.67	360.0	189	1.58	5.67	360.0
	190	1.29	4.63	360.0	191	1.29	4.63	360.0	192	2.16	2.83	131.0
	193	0.69	0.75	109.0	194	0.52	1.03	200.0	195	0.93	1.85	200.0
	196	1.35	4.18	309.0	199	1.56	5.61	360.0	202	0.54	1.08	200.0
	203	0.42	0.33	80.0	204	0.26	0.21	80.0	205	1.56	5.62	360.0
	206	0.92	1.85	200.0	207	0.28	0.99	360.0	208	0.56	0.67	120.0
	209	1.04	2.38	229.0	210	0.51	3.01	589.0	211	0.80	3.95	491.0
	212	1.25	1.64	131.0	213	0.57	0.68	120.0	214	0.28	1.00	360.0
	229	1.98	2.38	120.0	230	0.65	0.52	80.0	231	2.24	5.14	229.0
	232	1.66	3.49	211.0	233	2.12	7.64	360.0				
63	90	1.26	0.14	11.0	102	1.42	1.71	120.0	114	1.43	1.71	120.0
	116	1.43	1.72	120.0	117	1.62	1.94	120.0	118	1.00	1.19	120.0

	119	1.35	1.62	120.0	120	1.62	1.95	120.0	121	0.84	0.09	11.0
	122	0.93	1.11	120.0	123	0.69	0.76	109.0	124	1.87	2.24	120.0
	125	1.87	2.24	120.0	126	0.15	0.18	120.0	127	0.17	0.21	120.0
	128	1.30	1.56	120.0	129	0.16	0.19	120.0	130	0.21	0.25	120.0
	131	1.08	1.30	120.0	132	1.08	1.30	120.0	133	1.44	1.73	120.0
	134	1.09	1.31	120.0	135	1.15	1.38	120.0	136	2.10	2.52	120.0
	137	2.10	2.52	120.0	138	1.39	1.66	120.0	139	1.40	1.68	120.0
	140	1.14	1.24	109.0	142	0.28	0.22	80.0	143	0.28	0.22	80.0
	147	1.14	1.25	109.0	159	0.41	0.33	80.0	160	1.99	2.39	120.0
	161	2.09	7.51	360.0	163	0.92	0.10	11.0	168	1.35	0.15	11.0
	176	1.73	6.24	360.0	177	1.89	2.48	131.0	178	1.93	2.53	131.0
	179	1.73	6.24	360.0	180	1.23	2.81	229.0	181	2.08	4.76	229.0
	182	0.14	0.52	360.0	183	0.09	0.32	360.0	186	0.96	3.44	360.0
	187	0.96	3.45	360.0	188	1.57	5.64	360.0	189	1.57	5.64	360.0
	190	1.28	4.61	360.0	191	1.28	4.61	360.0	192	2.14	2.80	131.0
	193	0.67	0.73	109.0	194	0.51	1.02	200.0	195	0.92	1.83	200.0
	196	1.19	3.68	309.0	199	1.57	5.64	360.0	202	0.55	1.09	200.0
	203	0.41	0.33	80.0	204	0.26	0.21	80.0	205	1.56	5.63	360.0
	206	0.91	1.82	200.0	207	0.26	0.95	360.0	208	0.54	0.65	120.0
	209	1.06	2.43	229.0	210	0.57	3.38	589.0	211	0.65	3.19	491.0
	212	1.26	1.65	131.0	213	0.55	0.66	120.0	214	0.27	0.97	360.0
	229	1.99	2.39	120.0	230	0.67	0.53	80.0	231	2.24	5.13	229.0
	232	1.72	3.63	211.0	233	2.13	7.67	360.0				
64	90	1.26	0.14	11.0	102	1.44	1.72	120.0	114	1.43	1.72	120.0
	116	1.44	1.73	120.0	117	1.61	1.93	120.0	118	1.00	1.20	120.0
	119	1.36	1.64	120.0	120	1.61	1.93	120.0	121	0.83	0.09	11.0
	122	0.93	1.12	120.0	123	0.69	0.75	109.0	124	1.89	2.27	120.0
	125	1.89	2.27	120.0	126	0.18	0.21	120.0	127	0.14	0.17	120.0
	128	1.31	1.57	120.0	129	0.22	0.27	120.0	130	0.20	0.24	120.0
	131	1.10	1.32	120.0	132	1.09	1.31	120.0	133	1.45	1.74	120.0
	134	1.09	1.31	120.0	135	1.15	1.39	120.0	136	2.11	2.53	120.0
	137	2.11	2.53	120.0	138	1.40	1.68	120.0	139	1.40	1.68	120.0
	140	1.15	1.25	109.0	142	0.28	0.22	80.0	143	0.28	0.22	80.0
	147	1.15	1.25	109.0	159	0.42	0.33	80.0	160	1.99	2.38	120.0
	161	2.10	7.54	360.0	163	0.93	0.10	11.0	168	1.36	0.15	11.0
	176	1.76	6.33	360.0	177	1.85	2.42	131.0	178	1.90	2.49	131.0
	179	1.76	6.33	360.0	180	1.24	2.83	229.0	181	2.09	4.78	229.0
	182	0.16	0.59	360.0	183	0.07	0.27	360.0	186	0.97	3.48	360.0
	187	0.97	3.47	360.0	188	1.57	5.66	360.0	189	1.57	5.66	360.0
	190	1.29	4.64	360.0	191	1.29	4.64	360.0	192	2.13	2.79	131.0
	193	0.70	0.76	109.0	194	0.51	1.02	200.0	195	0.93	1.86	200.0
	196	1.30	4.01	309.0	199	1.56	5.62	360.0	202	0.54	1.09	200.0
	203	0.42	0.34	80.0	204	0.26	0.21	80.0	205	1.56	5.63	360.0
	206	0.94	1.87	200.0	207	0.29	1.04	360.0	208	0.57	0.69	120.0
	209	1.05	2.40	229.0	210	0.49	2.89	589.0	211	0.74	3.62	491.0
	212	1.29	1.69	131.0	213	0.56	0.67	120.0	214	0.28	1.00	360.0
	229	1.98	2.38	120.0	230	0.65	0.52	80.0	231	2.22	5.09	229.0
	232	1.62	3.42	211.0	233	2.09	7.53	360.0				
65	90	1.27	0.14	11.0	102	1.44	1.73	120.0	114	1.44	1.72	120.0
	116	1.45	1.74	120.0	117	1.61	1.93	120.0	118	1.01	1.21	120.0
	119	1.37	1.64	120.0	120	1.61	1.93	120.0	121	0.84	0.09	11.0
	122	0.94	1.13	120.0	123	0.68	0.74	109.0	124	1.89	2.27	120.0
	125	1.89	2.27	120.0	126	0.17	0.20	120.0	127	0.15	0.18	120.0
	128	1.31	1.58	120.0	129	0.22	0.26	120.0	130	0.18	0.22	120.0
	131	1.10	1.32	120.0	132	1.09	1.31	120.0	133	1.45	1.74	120.0
	134	1.09	1.31	120.0	135	1.16	1.39	120.0	136	2.11	2.53	120.0
	137	2.11	2.53	120.0	138	1.40	1.68	120.0	139	1.41	1.69	120.0
	140	1.15	1.25	109.0	142	0.28	0.22	80.0	143	0.28	0.22	80.0
	147	1.16	1.26	109.0	159	0.42	0.33	80.0	160	1.98	2.38	120.0
	161	2.08	7.49	360.0	163	0.93	0.10	11.0	168	1.37	0.15	11.0
	176	1.76	6.32	360.0	177	1.86	2.43	131.0	178	1.93	2.52	131.0
	179	1.76	6.33	360.0	180	1.21	2.77	229.0	181	2.07	4.73	229.0
	182	0.16	0.57	360.0	183	0.11	0.39	360.0	186	0.97	3.51	360.0
	187	0.97	3.50	360.0	188	1.58	5.68	360.0	189	1.58	5.68	360.0
	190	1.29	4.65	360.0	191	1.29	4.65	360.0	192	2.12	2.77	131.0
	193	0.71	0.78	109.0	194	0.52	1.04	200.0	195	0.93	1.86	200.0
	196	1.22	3.77	309.0	199	1.56	5.62	360.0	202	0.54	1.08	200.0
	203	0.42	0.33	80.0	204	0.26	0.21	80.0	205	1.56	5.63	360.0
	206	0.93	1.87	200.0	207	0.28	1.01	360.0	208	0.57	0.68	120.0
	209	1.08	2.47	229.0	210	0.72	4.27	589.0	211	0.51	2.52	491.0
	212	1.19	1.56	131.0	213	0.56	0.68	120.0	214	0.28	1.00	360.0
	229	1.98	2.38	120.0	230	0.65	0.52	80.0	231	2.24	5.13	229.0
	232	1.73	3.66	211.0	233	2.15	7.74	360.0				
66	90	1.26	0.14	11.0	102	1.43	1.72	120.0	114	1.44	1.72	120.0
	116	1.44	1.73	120.0	117	1.62	1.94	120.0	118	1.00	1.20	120.0

	119	1.36	1.63	120.0	120	1.62	1.94	120.0	121	0.84	0.09	11.0
	122	0.93	1.12	120.0	123	0.69	0.75	109.0	124	1.86	2.24	120.0
	125	1.86	2.24	120.0	126	0.15	0.18	120.0	127	0.18	0.21	120.0
	128	1.31	1.57	120.0	129	0.17	0.20	120.0	130	0.21	0.26	120.0
	131	1.08	1.30	120.0	132	1.09	1.30	120.0	133	1.44	1.73	120.0
	134	1.09	1.31	120.0	135	1.16	1.39	120.0	136	2.10	2.52	120.0
	137	2.10	2.52	120.0	138	1.39	1.67	120.0	139	1.41	1.69	120.0
	140	1.14	1.25	109.0	142	0.28	0.22	80.0	143	0.28	0.22	80.0
	147	1.15	1.26	109.0	159	0.41	0.33	80.0	160	1.99	2.39	120.0
	161	2.10	7.55	360.0	163	0.92	0.10	11.0	168	1.35	0.15	11.0
	176	1.73	6.24	360.0	177	1.86	2.44	131.0	178	1.90	2.49	131.0
	179	1.73	6.24	360.0	180	1.24	2.85	229.0	181	2.09	4.78	229.0
	182	0.15	0.53	360.0	183	0.11	0.39	360.0	186	0.96	3.47	360.0
	187	0.96	3.47	360.0	188	1.57	5.66	360.0	189	1.57	5.66	360.0
	190	1.28	4.62	360.0	191	1.28	4.62	360.0	192	2.17	2.84	131.0
	193	0.69	0.75	109.0	194	0.52	1.03	200.0	195	0.91	1.82	200.0
	196	1.35	4.17	309.0	199	1.56	5.62	360.0	202	0.54	1.08	200.0
	203	0.41	0.33	80.0	204	0.26	0.21	80.0	205	1.56	5.63	360.0
	206	0.91	1.82	200.0	207	0.26	0.95	360.0	208	0.54	0.65	120.0
	209	1.05	2.39	229.0	210	0.51	3.01	589.0	211	0.80	3.91	491.0
	212	1.27	1.66	131.0	213	0.55	0.66	120.0	214	0.27	0.96	360.0
	229	1.99	2.39	120.0	230	0.66	0.53	80.0	231	2.25	5.16	229.0
	232	1.66	3.50	211.0	233	2.12	7.65	360.0				
67	90	0.37	0.04	11.0	102	0.40	0.48	120.0	114	0.41	0.49	120.0
	116	0.41	0.49	120.0	117	0.48	0.58	120.0	118	0.29	0.35	120.0
	119	0.38	0.46	120.0	120	0.49	0.58	120.0	121	0.25	0.03	11.0
	122	0.27	0.33	120.0	123	0.23	0.25	109.0	124	0.71	0.85	120.0
	125	0.71	0.85	120.0	126	0.06	0.07	120.0	127	0.11	0.13	120.0
	128	0.38	0.46	120.0	129	0.07	0.09	120.0	130	0.13	0.15	120.0
	131	0.27	0.33	120.0	132	0.31	0.38	120.0	133	0.40	0.48	120.0
	134	0.29	0.35	120.0	135	0.34	0.40	120.0	136	0.76	0.91	120.0
	137	0.75	0.91	120.0	138	0.39	0.47	120.0	139	0.41	0.49	120.0
	140	0.33	0.36	109.0	142	0.07	0.05	80.0	143	0.07	0.06	80.0
	147	0.33	0.36	109.0	159	0.16	0.13	80.0	160	0.66	0.79	120.0
	161	0.49	1.75	360.0	163	0.27	0.03	11.0	168	0.38	0.04	11.0
	176	0.64	2.32	360.0	177	0.75	0.99	131.0	178	0.85	1.11	131.0
	179	0.64	2.32	360.0	180	0.30	0.68	229.0	181	0.51	1.17	229.0
	182	0.08	0.28	360.0	183	0.11	0.41	360.0	186	0.31	1.12	360.0
	187	0.32	1.16	360.0	188	0.43	1.54	360.0	189	0.44	1.57	360.0
	190	0.32	1.15	360.0	191	0.32	1.16	360.0	192	0.55	0.72	131.0
	193	0.18	0.20	109.0	194	0.16	0.33	200.0	195	0.37	0.74	200.0
	196	0.51	1.59	309.0	199	0.48	1.72	360.0	202	0.17	0.34	200.0
	203	0.16	0.13	80.0	204	0.05	0.04	80.0	205	0.47	1.68	360.0
	206	0.36	0.71	200.0	207	0.02	0.08	360.0	208	0.07	0.08	120.0
	209	0.45	1.04	229.0	210	0.62	3.65	589.0	211	0.18	0.86	491.0
	212	0.38	0.50	131.0	213	0.13	0.15	120.0	214	0.10	0.37	360.0
	229	0.66	0.80	120.0	230	0.18	0.14	80.0	231	0.53	1.21	229.0
	232	1.21	2.56	211.0	233	0.76	2.75	360.0				
68	90	0.36	0.04	11.0	102	0.42	0.50	120.0	114	0.40	0.48	120.0
	116	0.41	0.49	120.0	117	0.52	0.63	120.0	118	0.30	0.36	120.0
	119	0.40	0.48	120.0	120	0.51	0.62	120.0	121	0.25	0.03	11.0
	122	0.28	0.33	120.0	123	0.20	0.22	109.0	124	0.66	0.80	120.0
	125	0.66	0.80	120.0	126	0.12	0.14	120.0	127	0.07	0.08	120.0
	128	0.37	0.44	120.0	129	0.15	0.18	120.0	130	0.11	0.14	120.0
	131	0.29	0.35	120.0	132	0.33	0.39	120.0	133	0.42	0.50	120.0
	134	0.26	0.31	120.0	135	0.33	0.40	120.0	136	0.74	0.88	120.0
	137	0.74	0.88	120.0	138	0.41	0.49	120.0	139	0.40	0.48	120.0
	140	0.34	0.37	109.0	142	0.07	0.06	80.0	143	0.07	0.06	80.0
	147	0.33	0.36	109.0	159	0.15	0.12	80.0	160	0.68	0.82	120.0
	161	0.69	2.47	360.0	163	0.28	0.03	11.0	168	0.39	0.04	11.0
	176	0.61	2.21	360.0	177	0.50	0.65	131.0	178	0.48	0.62	131.0
	179	0.61	2.20	360.0	180	0.47	1.08	229.0	181	0.62	1.43	229.0
	182	0.11	0.39	360.0	183	0.17	0.62	360.0	186	0.33	1.19	360.0
	187	0.32	1.17	360.0	188	0.43	1.56	360.0	189	0.43	1.54	360.0
	190	0.33	1.18	360.0	191	0.33	1.17	360.0	192	0.65	0.85	131.0
	193	0.23	0.25	109.0	194	0.15	0.29	200.0	195	0.33	0.65	200.0
	196	1.18	3.66	309.0	199	0.48	1.73	360.0	202	0.17	0.33	200.0
	203	0.15	0.12	80.0	204	0.07	0.06	80.0	205	0.48	1.74	360.0
	206	0.34	0.67	200.0	207	0.12	0.43	360.0	208	0.10	0.12	120.0
	209	0.31	0.70	229.0	210	0.24	1.43	589.0	211	0.90	4.44	491.0
	212	0.67	0.88	131.0	213	0.04	0.05	120.0	214	0.06	0.20	360.0
	229	0.68	0.81	120.0	230	0.15	0.12	80.0	231	0.52	1.20	229.0
	232	0.81	1.72	211.0	233	0.48	1.73	360.0				
69	90	0.37	0.04	11.0	102	0.42	0.50	120.0	114	0.41	0.49	120.0
	116	0.41	0.50	120.0	117	0.52	0.62	120.0	118	0.31	0.37	120.0

	119	0.40	0.48	120.0	120	0.51	0.62	120.0	121	0.26	0.03	11.0
	122	0.28	0.34	120.0	123	0.21	0.22	109.0	124	0.67	0.80	120.0
	125	0.66	0.80	120.0	126	0.10	0.12	120.0	127	0.06	0.07	120.0
	128	0.38	0.45	120.0	129	0.13	0.16	120.0	130	0.11	0.13	120.0
	131	0.28	0.34	120.0	132	0.33	0.40	120.0	133	0.42	0.50	120.0
	134	0.26	0.31	120.0	135	0.34	0.41	120.0	136	0.74	0.89	120.0
	137	0.74	0.88	120.0	138	0.41	0.49	120.0	139	0.40	0.48	120.0
	140	0.34	0.37	109.0	142	0.07	0.06	80.0	143	0.07	0.06	80.0
	147	0.34	0.37	109.0	159	0.15	0.12	80.0	160	0.68	0.82	120.0
	161	0.51	1.82	360.0	163	0.28	0.03	11.0	168	0.40	0.04	11.0
	176	0.61	2.19	360.0	177	0.75	0.98	131.0	178	0.82	1.07	131.0
	179	0.61	2.21	360.0	180	0.30	0.69	229.0	181	0.49	1.11	229.0
	182	0.11	0.39	360.0	183	0.20	0.70	360.0	186	0.34	1.22	360.0
	187	0.33	1.20	360.0	188	0.44	1.58	360.0	189	0.43	1.56	360.0
	190	0.33	1.19	360.0	191	0.33	1.19	360.0	192	0.49	0.65	131.0
	193	0.24	0.26	109.0	194	0.17	0.34	200.0	195	0.33	0.65	200.0
	196	0.54	1.65	309.0	199	0.48	1.73	360.0	202	0.17	0.33	200.0
	203	0.15	0.12	80.0	204	0.05	0.04	80.0	205	0.48	1.74	360.0
	206	0.34	0.67	200.0	207	0.07	0.24	360.0	208	0.09	0.10	120.0
	209	0.49	1.12	229.0	210	0.70	4.12	589.0	211	0.22	1.06	491.0
	212	0.38	0.49	131.0	213	0.05	0.06	120.0	214	0.07	0.26	360.0
	229	0.68	0.81	120.0	230	0.18	0.14	80.0	231	0.56	1.29	229.0
	232	1.23	2.60	211.0	233	0.79	2.86	360.0				
70	90	0.37	0.04	11.0	102	0.41	0.49	120.0	114	0.42	0.50	120.0
	116	0.42	0.50	120.0	117	0.48	0.58	120.0	118	0.29	0.35	120.0
	119	0.39	0.46	120.0	120	0.48	0.58	120.0	121	0.25	0.03	11.0
	122	0.28	0.33	120.0	123	0.22	0.24	109.0	124	0.70	0.84	120.0
	125	0.70	0.84	120.0	126	0.05	0.06	120.0	127	0.11	0.13	120.0
	128	0.39	0.47	120.0	129	0.07	0.09	120.0	130	0.12	0.15	120.0
	131	0.28	0.33	120.0	132	0.32	0.38	120.0	133	0.41	0.49	120.0
	134	0.29	0.35	120.0	135	0.34	0.41	120.0	136	0.75	0.90	120.0
	137	0.75	0.90	120.0	138	0.40	0.48	120.0	139	0.41	0.50	120.0
	140	0.33	0.36	109.0	142	0.07	0.05	80.0	143	0.07	0.06	80.0
	147	0.34	0.37	109.0	159	0.17	0.13	80.0	160	0.66	0.79	120.0
	161	0.66	2.38	360.0	163	0.27	0.03	11.0	168	0.39	0.04	11.0
	176	0.65	2.33	360.0	177	0.46	0.60	131.0	178	0.47	0.61	131.0
	179	0.64	2.31	360.0	180	0.43	0.99	229.0	181	0.61	1.40	229.0
	182	0.11	0.40	360.0	183	0.11	0.41	360.0	186	0.32	1.15	360.0
	187	0.32	1.17	360.0	188	0.44	1.57	360.0	189	0.44	1.59	360.0
	190	0.32	1.16	360.0	191	0.32	1.16	360.0	192	0.67	0.87	131.0
	193	0.20	0.21	109.0	194	0.16	0.32	200.0	195	0.36	0.73	200.0
	196	1.19	3.69	309.0	199	0.47	1.67	360.0	202	0.16	0.32	200.0
	203	0.16	0.13	80.0	204	0.07	0.05	80.0	205	0.47	1.68	360.0
	206	0.36	0.71	200.0	207	0.06	0.21	360.0	208	0.07	0.09	120.0
	209	0.30	0.68	229.0	210	0.21	1.21	589.0	211	0.94	4.60	491.0
	212	0.70	0.92	131.0	213	0.13	0.15	120.0	214	0.06	0.23	360.0
	229	0.66	0.79	120.0	230	0.13	0.11	80.0	231	0.52	1.19	229.0
	232	0.82	1.72	211.0	233	0.49	1.76	360.0				
71	90	0.39	0.04	11.0	102	0.42	0.51	120.0	114	0.44	0.52	120.0
	116	0.43	0.52	120.0	117	0.47	0.57	120.0	118	0.31	0.37	120.0
	119	0.41	0.49	120.0	120	0.48	0.58	120.0	121	0.27	0.03	11.0
	122	0.29	0.35	120.0	123	0.24	0.27	109.0	124	0.60	0.72	120.0
	125	0.59	0.71	120.0	126	0.03	0.03	120.0	127	0.10	0.12	120.0
	128	0.40	0.48	120.0	129	0.07	0.08	120.0	130	0.12	0.15	120.0
	131	0.34	0.41	120.0	132	0.33	0.40	120.0	133	0.43	0.51	120.0
	134	0.35	0.42	120.0	135	0.36	0.43	120.0	136	0.65	0.78	120.0
	137	0.65	0.78	120.0	138	0.41	0.50	120.0	139	0.43	0.52	120.0
	140	0.35	0.38	109.0	142	0.08	0.07	80.0	143	0.09	0.07	80.0
	147	0.35	0.39	109.0	159	0.13	0.11	80.0	160	0.59	0.71	120.0
	161	0.63	2.27	360.0	163	0.29	0.03	11.0	168	0.40	0.04	11.0
	176	0.54	1.95	360.0	177	0.84	1.10	131.0	178	0.91	1.19	131.0
	179	0.54	1.96	360.0	180	0.38	0.87	229.0	181	0.63	1.45	229.0
	182	0.09	0.32	360.0	183	0.06	0.20	360.0	186	0.28	1.02	360.0
	187	0.29	1.04	360.0	188	0.47	1.70	360.0	189	0.48	1.72	360.0
	190	0.38	1.37	360.0	191	0.38	1.38	360.0	192	0.68	0.89	131.0
	193	0.20	0.21	109.0	194	0.17	0.35	200.0	195	0.31	0.62	200.0
	196	0.55	1.70	309.0	199	0.47	1.70	360.0	202	0.18	0.36	200.0
	203	0.13	0.11	80.0	204	0.08	0.06	80.0	205	0.46	1.67	360.0
	206	0.29	0.59	200.0	207	0.09	0.34	360.0	208	0.19	0.23	120.0
	209	0.47	1.09	229.0	210	0.61	3.59	589.0	211	0.11	0.52	491.0
	212	0.37	0.49	131.0	213	0.22	0.26	120.0	214	0.13	0.47	360.0
	229	0.60	0.72	120.0	230	0.22	0.18	80.0	231	0.69	1.58	229.0
	232	1.25	2.63	211.0	233	0.86	3.11	360.0				
72	90	0.38	0.04	11.0	102	0.44	0.53	120.0	114	0.43	0.51	120.0
	116	0.43	0.52	120.0	117	0.52	0.62	120.0	118	0.32	0.38	120.0

	119	0.42	0.51	120.0	120	0.51	0.61	120.0	121	0.26	0.03	11.0
	122	0.29	0.35	120.0	123	0.22	0.24	109.0	124	0.55	0.66	120.0
	125	0.55	0.66	120.0	126	0.10	0.12	120.0	127	0.03	0.04	120.0
	128	0.39	0.47	120.0	129	0.10	0.13	120.0	130	0.05	0.05	120.0
	131	0.34	0.41	120.0	132	0.34	0.41	120.0	133	0.44	0.53	120.0
	134	0.32	0.39	120.0	135	0.36	0.43	120.0	136	0.63	0.76	120.0
	137	0.63	0.76	120.0	138	0.43	0.52	120.0	139	0.42	0.51	120.0
	140	0.36	0.39	109.0	142	0.09	0.07	80.0	143	0.08	0.07	80.0
	147	0.35	0.38	109.0	159	0.12	0.10	80.0	160	0.62	0.74	120.0
	161	0.79	2.85	360.0	163	0.30	0.03	11.0	168	0.43	0.05	11.0
	176	0.51	1.85	360.0	177	0.63	0.83	131.0	178	0.58	0.76	131.0
	179	0.51	1.83	360.0	180	0.53	1.22	229.0	181	0.73	1.66	229.0
	182	0.06	0.23	360.0	183	0.06	0.23	360.0	186	0.30	1.07	360.0
	187	0.29	1.06	360.0	188	0.47	1.70	360.0	189	0.47	1.69	360.0
	190	0.39	1.40	360.0	191	0.39	1.40	360.0	192	0.78	1.02	131.0
	193	0.25	0.27	109.0	194	0.16	0.32	200.0	195	0.26	0.53	200.0
	196	1.20	3.71	309.0	199	0.48	1.71	360.0	202	0.18	0.35	200.0
	203	0.12	0.10	80.0	204	0.09	0.07	80.0	205	0.48	1.72	360.0
	206	0.28	0.55	200.0	207	0.11	0.41	360.0	208	0.17	0.20	120.0
	209	0.32	0.72	229.0	210	0.20	1.17	589.0	211	0.89	4.37	491.0
	212	0.69	0.90	131.0	213	0.14	0.17	120.0	214	0.07	0.24	360.0
	229	0.61	0.73	120.0	230	0.21	0.17	80.0	231	0.69	1.58	229.0
	232	0.87	1.83	211.0	233	0.63	2.26	360.0				
73	90	0.39	0.04	11.0	102	0.44	0.53	120.0	114	0.44	0.52	120.0
	116	0.44	0.52	120.0	117	0.51	0.62	120.0	118	0.33	0.39	120.0
	119	0.42	0.51	120.0	120	0.51	0.61	120.0	121	0.27	0.03	11.0
	122	0.30	0.36	120.0	123	0.22	0.24	109.0	124	0.55	0.66	120.0
	125	0.55	0.66	120.0	126	0.08	0.10	120.0	127	0.04	0.04	120.0
	128	0.40	0.48	120.0	129	0.09	0.11	120.0	130	0.05	0.06	120.0
	131	0.34	0.41	120.0	132	0.35	0.42	120.0	133	0.44	0.53	120.0
	134	0.32	0.39	120.0	135	0.36	0.44	120.0	136	0.63	0.76	120.0
	137	0.63	0.76	120.0	138	0.43	0.52	120.0	139	0.43	0.51	120.0
	140	0.36	0.40	109.0	142	0.09	0.07	80.0	143	0.09	0.07	80.0
	147	0.36	0.39	109.0	159	0.12	0.09	80.0	160	0.61	0.73	120.0
	161	0.65	2.33	360.0	163	0.30	0.03	11.0	168	0.43	0.05	11.0
	176	0.51	1.82	360.0	177	0.85	1.11	131.0	178	0.89	1.16	131.0
	179	0.51	1.84	360.0	180	0.40	0.92	229.0	181	0.62	1.42	229.0
	182	0.03	0.09	360.0	183	0.10	0.37	360.0	186	0.31	1.10	360.0
	187	0.30	1.09	360.0	188	0.48	1.72	360.0	189	0.48	1.71	360.0
	190	0.39	1.41	360.0	191	0.39	1.41	360.0	192	0.67	0.87	131.0
	193	0.26	0.28	109.0	194	0.18	0.36	200.0	195	0.26	0.53	200.0
	196	0.58	1.78	309.0	199	0.48	1.73	360.0	202	0.18	0.36	200.0
	203	0.12	0.09	80.0	204	0.08	0.06	80.0	205	0.48	1.72	360.0
	206	0.28	0.55	200.0	207	0.08	0.27	360.0	208	0.16	0.19	120.0
	209	0.50	1.14	229.0	210	0.69	4.04	589.0	211	0.14	0.68	491.0
	212	0.37	0.49	131.0	213	0.15	0.18	120.0	214	0.09	0.33	360.0
	229	0.61	0.73	120.0	230	0.23	0.18	80.0	231	0.72	1.64	229.0
	232	1.27	2.68	211.0	233	0.89	3.22	360.0				
74	90	0.40	0.04	11.0	102	0.43	0.52	120.0	114	0.44	0.53	120.0
	116	0.44	0.53	120.0	117	0.47	0.57	120.0	118	0.31	0.37	120.0
	119	0.41	0.49	120.0	120	0.48	0.57	120.0	121	0.27	0.03	11.0
	122	0.29	0.35	120.0	123	0.23	0.25	109.0	124	0.59	0.71	120.0
	125	0.59	0.71	120.0	126	0.04	0.05	120.0	127	0.11	0.13	120.0
	128	0.41	0.49	120.0	129	0.08	0.09	120.0	130	0.13	0.15	120.0
	131	0.34	0.41	120.0	132	0.34	0.40	120.0	133	0.43	0.52	120.0
	134	0.35	0.42	120.0	135	0.36	0.43	120.0	136	0.64	0.77	120.0
	137	0.65	0.77	120.0	138	0.42	0.51	120.0	139	0.44	0.52	120.0
	140	0.35	0.39	109.0	142	0.08	0.07	80.0	143	0.08	0.07	80.0
	147	0.36	0.39	109.0	159	0.14	0.11	80.0	160	0.59	0.71	120.0
	161	0.78	2.79	360.0	163	0.29	0.03	11.0	168	0.41	0.05	11.0
	176	0.55	1.97	360.0	177	0.59	0.78	131.0	178	0.59	0.77	131.0
	179	0.54	1.94	360.0	180	0.51	1.16	229.0	181	0.73	1.67	229.0
	182	0.11	0.38	360.0	183	0.02	0.05	360.0	186	0.29	1.04	360.0
	187	0.29	1.05	360.0	188	0.48	1.72	360.0	189	0.48	1.73	360.0
	190	0.38	1.38	360.0	191	0.38	1.38	360.0	192	0.79	1.03	131.0
	193	0.21	0.23	109.0	194	0.17	0.34	200.0	195	0.30	0.61	200.0
	196	1.21	3.75	309.0	199	0.46	1.66	360.0	202	0.17	0.34	200.0
	203	0.13	0.11	80.0	204	0.09	0.07	80.0	205	0.46	1.66	360.0
	206	0.29	0.58	200.0	207	0.12	0.43	360.0	208	0.19	0.23	120.0
	209	0.31	0.72	229.0	210	0.17	1.00	589.0	211	0.92	4.54	491.0
	212	0.71	0.93	131.0	213	0.22	0.26	120.0	214	0.11	0.40	360.0
	229	0.59	0.71	120.0	230	0.19	0.15	80.0	231	0.69	1.57	229.0
	232	0.87	1.83	211.0	233	0.64	2.29	360.0				
75	90	0.36	0.04	11.0	102	0.39	0.47	120.0	114	0.40	0.48	120.0
	116	0.40	0.48	120.0	117	0.51	0.62	120.0	118	0.29	0.34	120.0

	119	0.37	0.44	120.0	120	0.52	0.62	120.0	121	0.25	0.03	11.0
	122	0.27	0.32	120.0	123	0.23	0.25	109.0	124	0.64	0.77	120.0
	125	0.64	0.76	120.0	126	0.07	0.08	120.0	127	0.12	0.14	120.0
	128	0.37	0.44	120.0	129	0.12	0.14	120.0	130	0.16	0.19	120.0
	131	0.25	0.30	120.0	132	0.31	0.37	120.0	133	0.39	0.47	120.0
	134	0.27	0.32	120.0	135	0.33	0.39	120.0	136	0.73	0.87	120.0
	137	0.72	0.87	120.0	138	0.38	0.46	120.0	139	0.40	0.47	120.0
	140	0.32	0.35	109.0	142	0.07	0.05	80.0	143	0.07	0.05	80.0
	147	0.32	0.35	109.0	159	0.14	0.11	80.0	160	0.68	0.81	120.0
	161	0.49	1.78	360.0	163	0.27	0.03	11.0	168	0.37	0.04	11.0
	176	0.59	2.11	360.0	177	0.73	0.96	131.0	178	0.79	1.03	131.0
	179	0.59	2.12	360.0	180	0.30	0.69	229.0	181	0.50	1.14	229.0
	182	0.12	0.45	360.0	183	0.19	0.67	360.0	186	0.31	1.10	360.0
	187	0.31	1.13	360.0	188	0.42	1.51	360.0	189	0.43	1.53	360.0
	190	0.31	1.12	360.0	191	0.31	1.13	360.0	192	0.52	0.68	131.0
	193	0.16	0.18	109.0	194	0.16	0.33	200.0	195	0.32	0.64	200.0
	196	0.57	1.76	309.0	199	0.48	1.74	360.0	202	0.17	0.34	200.0
	203	0.14	0.11	80.0	204	0.06	0.05	80.0	205	0.48	1.72	360.0
	206	0.30	0.61	200.0	207	0.06	0.23	360.0	208	0.02	0.02	120.0
	209	0.44	1.00	229.0	210	0.69	4.07	589.0	211	0.25	1.22	491.0
	212	0.33	0.43	131.0	213	0.11	0.13	120.0	214	0.11	0.40	360.0
	229	0.68	0.82	120.0	230	0.19	0.15	80.0	231	0.55	1.26	229.0
	232	1.26	2.67	211.0	233	0.82	2.95	360.0				
76	90	0.36	0.04	11.0	102	0.42	0.51	120.0	114	0.41	0.50	120.0
	116	0.42	0.50	120.0	117	0.49	0.59	120.0	118	0.30	0.36	120.0
	119	0.41	0.49	120.0	120	0.48	0.57	120.0	121	0.24	0.03	11.0
	122	0.28	0.33	120.0	123	0.21	0.23	109.0	124	0.73	0.88	120.0
	125	0.73	0.88	120.0	126	0.11	0.13	120.0	127	0.06	0.07	120.0
	128	0.38	0.45	120.0	129	0.12	0.14	120.0	130	0.07	0.08	120.0
	131	0.31	0.37	120.0	132	0.33	0.40	120.0	133	0.43	0.51	120.0
	134	0.28	0.34	120.0	135	0.34	0.41	120.0	136	0.77	0.92	120.0
	137	0.77	0.92	120.0	138	0.41	0.50	120.0	139	0.41	0.49	120.0
	140	0.35	0.38	109.0	142	0.07	0.06	80.0	143	0.07	0.06	80.0
	147	0.33	0.37	109.0	159	0.17	0.14	80.0	160	0.66	0.80	120.0
	161	0.65	2.32	360.0	163	0.29	0.03	11.0	168	0.40	0.04	11.0
	176	0.67	2.41	360.0	177	0.50	0.65	131.0	178	0.51	0.67	131.0
	179	0.67	2.40	360.0	180	0.50	1.13	229.0	181	0.65	1.48	229.0
	182	0.05	0.18	360.0	183	0.11	0.38	360.0	186	0.34	1.22	360.0
	187	0.33	1.19	360.0	188	0.44	1.60	360.0	189	0.44	1.57	360.0
	190	0.34	1.21	360.0	191	0.33	1.20	360.0	192	0.67	0.87	131.0
	193	0.24	0.26	109.0	194	0.15	0.30	200.0	195	0.38	0.75	200.0
	196	1.13	3.50	309.0	199	0.47	1.69	360.0	202	0.16	0.32	200.0
	203	0.18	0.14	80.0	204	0.07	0.06	80.0	205	0.47	1.71	360.0
	206	0.38	0.77	200.0	207	0.11	0.41	360.0	208	0.13	0.15	120.0
	209	0.34	0.78	229.0	210	0.19	1.10	589.0	211	0.84	4.10	491.0
	212	0.72	0.94	131.0	213	0.09	0.10	120.0	214	0.01	0.05	360.0
	229	0.66	0.79	120.0	230	0.13	0.11	80.0	231	0.50	1.15	229.0
	232	0.76	1.60	211.0	233	0.46	1.65	360.0				
77	90	0.37	0.04	11.0	102	0.43	0.51	120.0	114	0.42	0.50	120.0
	116	0.42	0.51	120.0	117	0.49	0.58	120.0	118	0.31	0.38	120.0
	119	0.41	0.49	120.0	120	0.48	0.57	120.0	121	0.25	0.03	11.0
	122	0.28	0.34	120.0	123	0.21	0.23	109.0	124	0.73	0.88	120.0
	125	0.73	0.88	120.0	126	0.09	0.11	120.0	127	0.05	0.06	120.0
	128	0.38	0.46	120.0	129	0.10	0.12	120.0	130	0.06	0.08	120.0
	131	0.30	0.36	120.0	132	0.34	0.40	120.0	133	0.43	0.51	120.0
	134	0.28	0.34	120.0	135	0.35	0.41	120.0	136	0.77	0.92	120.0
	137	0.76	0.92	120.0	138	0.42	0.50	120.0	139	0.41	0.50	120.0
	140	0.35	0.38	109.0	142	0.08	0.06	80.0	143	0.07	0.06	80.0
	147	0.34	0.37	109.0	159	0.17	0.14	80.0	160	0.66	0.79	120.0
	161	0.48	1.73	360.0	163	0.29	0.03	11.0	168	0.40	0.04	11.0
	176	0.66	2.39	360.0	177	0.66	0.87	131.0	178	0.76	1.00	131.0
	179	0.67	2.41	360.0	180	0.24	0.56	229.0	181	0.49	1.11	229.0
	182	0.04	0.15	360.0	183	0.14	0.51	360.0	186	0.35	1.25	360.0
	187	0.34	1.22	360.0	188	0.45	1.62	360.0	189	0.44	1.59	360.0
	190	0.34	1.23	360.0	191	0.34	1.22	360.0	192	0.44	0.58	131.0
	193	0.25	0.28	109.0	194	0.17	0.35	200.0	195	0.38	0.75	200.0
	196	0.57	1.75	309.0	199	0.47	1.69	360.0	202	0.16	0.32	200.0
	203	0.17	0.14	80.0	204	0.05	0.04	80.0	205	0.48	1.71	360.0
	206	0.38	0.77	200.0	207	0.05	0.19	360.0	208	0.12	0.14	120.0
	209	0.46	1.05	229.0	210	0.75	4.43	589.0	211	0.16	0.81	491.0
	212	0.48	0.63	131.0	213	0.09	0.11	120.0	214	0.04	0.16	360.0
	229	0.66	0.79	120.0	230	0.15	0.12	80.0	231	0.53	1.20	229.0
	232	1.26	2.66	211.0	233	0.83	2.98	360.0				
78	90	0.36	0.04	11.0	102	0.40	0.48	120.0	114	0.41	0.49	120.0
	116	0.41	0.49	120.0	117	0.51	0.62	120.0	118	0.29	0.34	120.0

	119	0.38	0.45	120.0	120	0.52	0.62	120.0	121	0.26	0.03	11.0
	122	0.27	0.32	120.0	123	0.21	0.23	109.0	124	0.63	0.76	120.0
	125	0.63	0.76	120.0	126	0.06	0.07	120.0	127	0.12	0.14	120.0
	128	0.38	0.45	120.0	129	0.12	0.14	120.0	130	0.15	0.18	120.0
	131	0.25	0.30	120.0	132	0.31	0.37	120.0	133	0.40	0.48	120.0
	134	0.27	0.32	120.0	135	0.33	0.40	120.0	136	0.72	0.86	120.0
	137	0.72	0.86	120.0	138	0.39	0.47	120.0	139	0.40	0.48	120.0
	140	0.33	0.36	109.0	142	0.07	0.05	80.0	143	0.07	0.05	80.0
	147	0.33	0.36	109.0	159	0.14	0.11	80.0	160	0.68	0.81	120.0
	161	0.65	2.34	360.0	163	0.26	0.03	11.0	168	0.38	0.04	11.0
	176	0.59	2.13	360.0	177	0.54	0.71	131.0	178	0.50	0.66	131.0
	179	0.58	2.10	360.0	180	0.50	1.14	229.0	181	0.64	1.47	229.0
	182	0.15	0.54	360.0	183	0.19	0.68	360.0	186	0.31	1.12	360.0
	187	0.32	1.14	360.0	188	0.43	1.54	360.0	189	0.43	1.55	360.0
	190	0.31	1.13	360.0	191	0.31	1.13	360.0	192	0.73	0.96	131.0
	193	0.18	0.19	109.0	194	0.16	0.31	200.0	195	0.32	0.63	200.0
	196	1.15	3.57	309.0	199	0.47	1.71	360.0	202	0.16	0.32	200.0
	203	0.14	0.11	80.0	204	0.08	0.06	80.0	205	0.48	1.71	360.0
	206	0.30	0.61	200.0	207	0.09	0.31	360.0	208	0.03	0.04	120.0
	209	0.30	0.69	229.0	210	0.22	1.30	589.0	211	0.89	4.38	491.0
	212	0.75	0.98	131.0	213	0.10	0.12	120.0	214	0.08	0.28	360.0
	229	0.68	0.81	120.0	230	0.16	0.13	80.0	231	0.57	1.30	229.0
	232	0.80	1.68	211.0	233	0.50	1.81	360.0				
79	90	0.38	0.04	11.0	102	0.42	0.50	120.0	114	0.43	0.51	120.0
	116	0.43	0.51	120.0	117	0.51	0.61	120.0	118	0.30	0.37	120.0
	119	0.40	0.48	120.0	120	0.51	0.61	120.0	121	0.27	0.03	11.0
	122	0.28	0.34	120.0	123	0.24	0.26	109.0	124	0.53	0.63	120.0
	125	0.52	0.63	120.0	126	0.02	0.02	120.0	127	0.10	0.12	120.0
	128	0.39	0.47	120.0	129	0.02	0.03	120.0	130	0.10	0.12	120.0
	131	0.31	0.38	120.0	132	0.33	0.39	120.0	133	0.42	0.50	120.0
	134	0.33	0.39	120.0	135	0.35	0.42	120.0	136	0.62	0.75	120.0
	137	0.62	0.74	120.0	138	0.40	0.49	120.0	139	0.42	0.50	120.0
	140	0.34	0.37	109.0	142	0.08	0.06	80.0	143	0.08	0.07	80.0
	147	0.34	0.38	109.0	159	0.11	0.09	80.0	160	0.61	0.73	120.0
	161	0.64	2.30	360.0	163	0.29	0.03	11.0	168	0.40	0.04	11.0
	176	0.48	1.75	360.0	177	0.83	1.09	131.0	178	0.85	1.11	131.0
	179	0.49	1.76	360.0	180	0.40	0.91	229.0	181	0.63	1.43	229.0
	182	0.04	0.15	360.0	183	0.09	0.33	360.0	186	0.28	1.00	360.0
	187	0.28	1.01	360.0	188	0.46	1.67	360.0	189	0.47	1.68	360.0
	190	0.37	1.34	360.0	191	0.37	1.35	360.0	192	0.67	0.88	131.0
	193	0.18	0.19	109.0	194	0.17	0.35	200.0	195	0.26	0.53	200.0
	196	0.61	1.87	309.0	199	0.48	1.73	360.0	202	0.18	0.36	200.0
	203	0.11	0.09	80.0	204	0.09	0.07	80.0	205	0.47	1.71	360.0
	206	0.24	0.48	200.0	207	0.06	0.20	360.0	208	0.12	0.15	120.0
	209	0.46	1.05	229.0	210	0.68	3.99	589.0	211	0.18	0.90	491.0
	212	0.35	0.46	131.0	213	0.16	0.19	120.0	214	0.10	0.35	360.0
	229	0.61	0.74	120.0	230	0.24	0.19	80.0	231	0.71	1.64	229.0
	232	1.30	2.74	211.0	233	0.91	3.29	360.0				
80	90	0.39	0.04	11.0	102	0.45	0.54	120.0	114	0.44	0.52	120.0
	116	0.44	0.53	120.0	117	0.48	0.58	120.0	118	0.32	0.39	120.0
	119	0.43	0.52	120.0	120	0.47	0.57	120.0	121	0.25	0.03	11.0
	122	0.30	0.35	120.0	123	0.22	0.24	109.0	124	0.62	0.74	120.0
	125	0.62	0.74	120.0	126	0.10	0.11	120.0	127	0.04	0.04	120.0
	128	0.40	0.48	120.0	129	0.12	0.15	120.0	130	0.08	0.10	120.0
	131	0.37	0.44	120.0	132	0.35	0.42	120.0	133	0.45	0.54	120.0
	134	0.35	0.42	120.0	135	0.36	0.43	120.0	136	0.66	0.79	120.0
	137	0.66	0.79	120.0	138	0.44	0.53	120.0	139	0.43	0.52	120.0
	140	0.37	0.40	109.0	142	0.09	0.07	80.0	143	0.09	0.07	80.0
	147	0.36	0.39	109.0	159	0.14	0.11	80.0	160	0.60	0.72	120.0
	161	0.76	2.72	360.0	163	0.30	0.03	11.0	168	0.43	0.05	11.0
	176	0.57	2.04	360.0	177	0.62	0.81	131.0	178	0.61	0.80	131.0
	179	0.57	2.03	360.0	180	0.55	1.25	229.0	181	0.74	1.71	229.0
	182	0.10	0.37	360.0	183	0.06	0.21	360.0	186	0.31	1.10	360.0
	187	0.30	1.08	360.0	188	0.48	1.74	360.0	189	0.48	1.72	360.0
	190	0.40	1.43	360.0	191	0.40	1.43	360.0	192	0.79	1.04	131.0
	193	0.26	0.28	109.0	194	0.16	0.32	200.0	195	0.31	0.63	200.0
	196	1.15	3.55	309.0	199	0.47	1.68	360.0	202	0.17	0.34	200.0
	203	0.15	0.12	80.0	204	0.09	0.07	80.0	205	0.47	1.69	360.0
	206	0.32	0.65	200.0	207	0.15	0.52	360.0	208	0.23	0.27	120.0
	209	0.34	0.78	229.0	210	0.15	0.87	589.0	211	0.83	4.06	491.0
	212	0.74	0.97	131.0	213	0.21	0.25	120.0	214	0.10	0.37	360.0
	229	0.59	0.71	120.0	230	0.19	0.15	80.0	231	0.67	1.52	229.0
	232	0.81	1.71	211.0	233	0.61	2.19	360.0				
81	90	0.40	0.04	11.0	102	0.45	0.54	120.0	114	0.44	0.53	120.0
	116	0.45	0.54	120.0	117	0.48	0.58	120.0	118	0.33	0.40	120.0

	119	0.43	0.52	120.0	120	0.47	0.57	120.0	121	0.26	0.03	11.0
	122	0.30	0.36	120.0	123	0.22	0.24	109.0	124	0.62	0.75	120.0
	125	0.62	0.74	120.0	126	0.08	0.10	120.0	127	0.04	0.05	120.0
	128	0.41	0.49	120.0	129	0.11	0.14	120.0	130	0.09	0.11	120.0
	131	0.36	0.44	120.0	132	0.36	0.43	120.0	133	0.45	0.54	120.0
	134	0.35	0.42	120.0	135	0.37	0.44	120.0	136	0.66	0.80	120.0
	137	0.66	0.79	120.0	138	0.44	0.53	120.0	139	0.44	0.53	120.0
	140	0.37	0.40	109.0	142	0.09	0.07	80.0	143	0.09	0.07	80.0
	147	0.36	0.40	109.0	159	0.14	0.11	80.0	160	0.59	0.71	120.0
	161	0.62	2.24	360.0	163	0.31	0.03	11.0	168	0.43	0.05	11.0
	176	0.56	2.02	360.0	177	0.76	1.00	131.0	178	0.84	1.10	131.0
	179	0.57	2.05	360.0	180	0.35	0.80	229.0	181	0.62	1.41	229.0
	182	0.08	0.29	360.0	183	0.09	0.34	360.0	186	0.32	1.13	360.0
	187	0.31	1.11	360.0	188	0.49	1.76	360.0	189	0.48	1.74	360.0
	190	0.40	1.45	360.0	191	0.40	1.44	360.0	192	0.61	0.80	131.0
	193	0.27	0.29	109.0	194	0.18	0.36	200.0	195	0.31	0.63	200.0
	196	0.60	1.86	309.0	199	0.47	1.68	360.0	202	0.17	0.34	200.0
	203	0.14	0.11	80.0	204	0.07	0.06	80.0	205	0.47	1.70	360.0
	206	0.32	0.64	200.0	207	0.12	0.42	360.0	208	0.22	0.27	120.0
	209	0.47	1.08	229.0	210	0.74	4.37	589.0	211	0.09	0.46	491.0
	212	0.45	0.59	131.0	213	0.21	0.25	120.0	214	0.12	0.43	360.0
	229	0.59	0.71	120.0	230	0.20	0.16	80.0	231	0.68	1.56	229.0
	232	1.29	2.73	211.0	233	0.92	3.32	360.0				
82	90	0.39	0.04	11.0	102	0.42	0.51	120.0	114	0.43	0.52	120.0
	116	0.43	0.52	120.0	117	0.51	0.61	120.0	118	0.31	0.37	120.0
	119	0.40	0.48	120.0	120	0.51	0.61	120.0	121	0.27	0.03	11.0
	122	0.29	0.34	120.0	123	0.23	0.25	109.0	124	0.52	0.62	120.0
	125	0.52	0.62	120.0	126	0.04	0.04	120.0	127	0.10	0.12	120.0
	128	0.40	0.48	120.0	129	0.04	0.04	120.0	130	0.10	0.13	120.0
	131	0.32	0.38	120.0	132	0.33	0.40	120.0	133	0.42	0.51	120.0
	134	0.33	0.39	120.0	135	0.35	0.42	120.0	136	0.61	0.74	120.0
	137	0.61	0.74	120.0	138	0.41	0.49	120.0	139	0.43	0.51	120.0
	140	0.35	0.38	109.0	142	0.08	0.06	80.0	143	0.08	0.06	80.0
	147	0.35	0.38	109.0	159	0.11	0.09	80.0	160	0.61	0.73	120.0
	161	0.77	2.76	360.0	163	0.28	0.03	11.0	168	0.40	0.04	11.0
	176	0.49	1.76	360.0	177	0.68	0.88	131.0	178	0.62	0.81	131.0
	179	0.48	1.74	360.0	180	0.57	1.31	229.0	181	0.76	1.73	229.0
	182	0.08	0.27	360.0	183	0.08	0.28	360.0	186	0.28	1.02	360.0
	187	0.28	1.02	360.0	188	0.47	1.69	360.0	189	0.47	1.69	360.0
	190	0.38	1.35	360.0	191	0.38	1.35	360.0	192	0.85	1.12	131.0
	193	0.19	0.20	109.0	194	0.17	0.33	200.0	195	0.26	0.51	200.0
	196	1.18	3.63	309.0	199	0.47	1.70	360.0	202	0.17	0.34	200.0
	203	0.11	0.09	80.0	204	0.10	0.08	80.0	205	0.47	1.70	360.0
	206	0.24	0.48	200.0	207	0.10	0.35	360.0	208	0.13	0.15	120.0
	209	0.33	0.75	229.0	210	0.17	1.01	589.0	211	0.87	4.29	491.0
	212	0.76	0.99	131.0	213	0.16	0.19	120.0	214	0.07	0.26	360.0
	229	0.61	0.73	120.0	230	0.22	0.17	80.0	231	0.73	1.66	229.0
	232	0.85	1.80	211.0	233	0.65	2.34	360.0				
83	90	0.08	9.33e-03	11.0	102	0.04	0.05	120.0	114	0.06	0.07	120.0
	116	0.05	0.06	120.0	117	0.08	0.10	120.0	118	0.09	0.11	120.0
	119	0.07	0.08	120.0	120	0.08	0.10	120.0	121	0.09	9.67e-03	11.0
	122	0.09	0.11	120.0	123	0.10	0.10	109.0	124	0.10	0.13	120.0
	125	0.09	0.11	120.0	126	0.04	0.04	120.0	127	0.05	0.06	120.0
	128	0.08	0.09	120.0	129	0.05	0.06	120.0	130	0.06	0.08	120.0
	131	0.08	0.09	120.0	132	0.09	0.11	120.0	133	0.03	0.04	120.0
	134	0.08	0.09	120.0	135	0.09	0.10	120.0	136	0.11	0.13	120.0
	137	0.09	0.11	120.0	138	0.06	0.07	120.0	139	0.07	0.08	120.0
	140	0.08	0.09	109.0	142	0.01	0.01	80.0	143	0.02	0.02	80.0
	147	0.08	0.09	109.0	159	0.01	0.01	80.0	160	0.08	0.09	120.0
	161	0.10	0.36	360.0	163	0.09	0.01	11.0	168	0.07	7.93e-03	11.0
	176	0.02	0.06	360.0	177	0.63	0.82	131.0	178	0.68	0.89	131.0
	179	0.07	0.24	360.0	180	0.17	0.39	229.0	181	0.11	0.25	229.0
	182	0.04	0.15	360.0	183	0.07	0.26	360.0	186	0.05	0.18	360.0
	187	0.06	0.20	360.0	188	0.05	0.17	360.0	189	0.06	0.21	360.0
	190	0.03	0.11	360.0	191	0.04	0.14	360.0	192	0.25	0.33	131.0
	193	0.08	0.09	109.0	194	0.08	0.16	200.0	195	0.07	0.14	200.0
	196	0.52	1.61	309.0	199	0.08	0.29	360.0	202	0.07	0.14	200.0
	203	0.01	0.01	80.0	204	7.20e-03	5.76e-03	80.0	205	0.05	0.17	360.0
	206	0.06	0.12	200.0	207	0.02	0.07	360.0	208	0.05	0.06	120.0
	209	0.37	0.84	229.0	210	0.63	3.71	589.0	211	0.09	0.45	491.0
	212	0.06	0.08	131.0	213	0.07	0.09	120.0	214	0.07	0.26	360.0
	229	0.08	0.10	120.0	230	0.11	0.09	80.0	231	0.22	0.50	229.0
	232	1.16	2.46	211.0	233	0.58	2.10	360.0				
84	90	0.08	8.95e-03	11.0	102	0.06	0.07	120.0	114	0.06	0.07	120.0
	116	0.05	0.06	120.0	117	0.09	0.11	120.0	118	0.08	0.10	120.0

	119	0.08	0.10	120.0	120	0.08	0.10	120.0	121	0.08	8.98e-03	11.0
	122	0.08	0.10	120.0	123	0.08	0.09	109.0	124	0.07	0.09	120.0
	125	0.07	0.09	120.0	126	0.05	0.06	120.0	127	0.06	0.07	120.0
	128	0.07	0.09	120.0	129	0.06	0.07	120.0	130	0.06	0.08	120.0
	131	0.09	0.11	120.0	132	0.09	0.11	120.0	133	0.05	0.06	120.0
	134	0.07	0.09	120.0	135	0.08	0.10	120.0	136	0.08	0.10	120.0
	137	0.09	0.10	120.0	138	0.07	0.09	120.0	139	0.07	0.08	120.0
	140	0.09	0.10	109.0	142	0.01	9.99e-03	80.0	143	0.01	8.13e-03	80.0
	147	0.08	0.08	109.0	159	0.03	0.02	80.0	160	0.09	0.11	120.0
	161	0.44	1.59	360.0	163	0.08	8.72e-03	11.0	168	0.09	9.46e-03	11.0
	176	0.08	0.28	360.0	177	0.30	0.40	131.0	178	0.20	0.27	131.0
	179	0.02	0.05	360.0	180	0.36	0.83	229.0	181	0.37	0.85	229.0
	182	0.07	0.25	360.0	183	0.03	0.10	360.0	186	0.04	0.15	360.0
	187	0.04	0.15	360.0	188	0.05	0.19	360.0	189	0.05	0.19	360.0
	190	0.02	0.07	360.0	191	0.01	0.05	360.0	192	0.46	0.60	131.0
	193	0.08	0.09	109.0	194	0.05	0.09	200.0	195	0.06	0.11	200.0
	196	1.13	3.51	309.0	199	8.20e-03	0.03	360.0	202	0.05	0.10	200.0
	203	0.03	0.02	80.0	204	0.04	0.03	80.0	205	0.03	0.11	360.0
	206	0.06	0.12	200.0	207	0.08	0.28	360.0	208	0.06	0.08	120.0
	209	0.06	0.14	229.0	210	0.20	1.19	589.0	211	0.87	4.28	491.0
	212	0.59	0.78	131.0	213	0.07	0.09	120.0	214	0.04	0.13	360.0
	229	0.08	0.09	120.0	230	0.05	0.04	80.0	231	0.17	0.40	229.0
	232	0.78	1.66	211.0	233	0.09	0.33	360.0				
85	90	0.08	8.45e-03	11.0	102	0.04	0.05	120.0	114	0.06	0.07	120.0
	116	0.05	0.06	120.0	117	0.08	0.10	120.0	118	0.10	0.12	120.0
	119	0.07	0.08	120.0	120	0.08	0.09	120.0	121	0.08	8.57e-03	11.0
	122	0.08	0.09	120.0	123	0.10	0.11	109.0	124	0.11	0.14	120.0
	125	0.09	0.11	120.0	126	0.03	0.04	120.0	127	0.05	0.06	120.0
	128	0.07	0.09	120.0	129	0.05	0.06	120.0	130	0.07	0.08	120.0
	131	0.08	0.09	120.0	132	0.09	0.11	120.0	133	0.03	0.04	120.0
	134	0.07	0.09	120.0	135	0.08	0.09	120.0	136	0.11	0.13	120.0
	137	0.09	0.10	120.0	138	0.06	0.07	120.0	139	0.07	0.08	120.0
	140	0.08	0.09	109.0	142	0.02	0.01	80.0	143	0.02	0.01	80.0
	147	0.07	0.08	109.0	159	0.02	0.01	80.0	160	0.08	0.10	120.0
	161	0.06	0.23	360.0	163	0.09	0.01	11.0	168	0.07	8.03e-03	11.0
	176	0.03	0.13	360.0	177	0.57	0.75	131.0	178	0.61	0.80	131.0
	179	0.08	0.29	360.0	180	0.12	0.27	229.0	181	0.04	0.08	229.0
	182	0.04	0.14	360.0	183	0.08	0.29	360.0	186	0.06	0.21	360.0
	187	0.05	0.18	360.0	188	0.06	0.21	360.0	189	0.05	0.18	360.0
	190	0.04	0.13	360.0	191	0.04	0.13	360.0	192	0.14	0.18	131.0
	193	0.07	0.08	109.0	194	0.08	0.17	200.0	195	0.08	0.16	200.0
	196	0.56	1.74	309.0	199	0.07	0.24	360.0	202	0.06	0.12	200.0
	203	0.02	0.02	80.0	204	0.02	0.01	80.0	205	0.05	0.20	360.0
	206	0.06	0.12	200.0	207	0.03	0.12	360.0	208	0.06	0.07	120.0
	209	0.34	0.78	229.0	210	0.69	4.04	589.0	211	0.14	0.70	491.0
	212	0.08	0.11	131.0	213	0.08	0.09	120.0	214	0.07	0.24	360.0
	229	0.07	0.08	120.0	230	0.10	0.08	80.0	231	0.20	0.46	229.0
	232	1.20	2.53	211.0	233	0.63	2.28	360.0				
86	90	0.07	8.00e-03	11.0	102	0.06	0.07	120.0	114	0.06	0.07	120.0
	116	0.05	0.07	120.0	117	0.09	0.11	120.0	118	0.08	0.10	120.0
	119	0.08	0.10	120.0	120	0.07	0.08	120.0	121	0.07	7.94e-03	11.0
	122	0.07	0.09	120.0	123	0.08	0.09	109.0	124	0.08	0.10	120.0
	125	0.08	0.09	120.0	126	0.05	0.06	120.0	127	0.06	0.07	120.0
	128	0.07	0.08	120.0	129	0.06	0.07	120.0	130	0.06	0.08	120.0
	131	0.09	0.11	120.0	132	0.09	0.11	120.0	133	0.05	0.06	120.0
	134	0.07	0.08	120.0	135	0.07	0.09	120.0	136	0.08	0.10	120.0
	137	0.08	0.10	120.0	138	0.07	0.08	120.0	139	0.07	0.08	120.0
	140	0.09	0.10	109.0	142	0.02	0.01	80.0	143	7.22e-03	5.78e-03	80.0
	147	0.07	0.07	109.0	159	0.03	0.02	80.0	160	0.09	0.11	120.0
	161	0.41	1.46	360.0	163	0.08	8.97e-03	11.0	168	0.09	9.49e-03	11.0
	176	0.08	0.28	360.0	177	0.36	0.47	131.0	178	0.27	0.35	131.0
	179	0.04	0.14	360.0	180	0.41	0.94	229.0	181	0.41	0.93	229.0
	182	0.07	0.26	360.0	183	0.06	0.20	360.0	186	0.05	0.19	360.0
	187	0.03	0.12	360.0	188	0.06	0.22	360.0	189	0.04	0.15	360.0
	190	0.03	0.10	360.0	191	0.01	0.05	360.0	192	0.51	0.67	131.0
	193	0.07	0.08	109.0	194	0.05	0.10	200.0	195	0.07	0.13	200.0
	196	1.09	3.38	309.0	199	0.01	0.04	360.0	202	0.04	0.09	200.0
	203	0.03	0.03	80.0	204	0.05	0.04	80.0	205	0.04	0.14	360.0
	206	0.06	0.12	200.0	207	0.09	0.31	360.0	208	0.07	0.08	120.0
	209	0.14	0.32	229.0	210	0.17	1.02	589.0	211	0.82	4.02	491.0
	212	0.64	0.84	131.0	213	0.07	0.09	120.0	214	0.03	0.11	360.0
	229	0.07	0.08	120.0	230	0.06	0.04	80.0	231	0.19	0.45	229.0
	232	0.75	1.58	211.0	233	0.05	0.17	360.0				

Cmb

1000 etaT/h
2.47

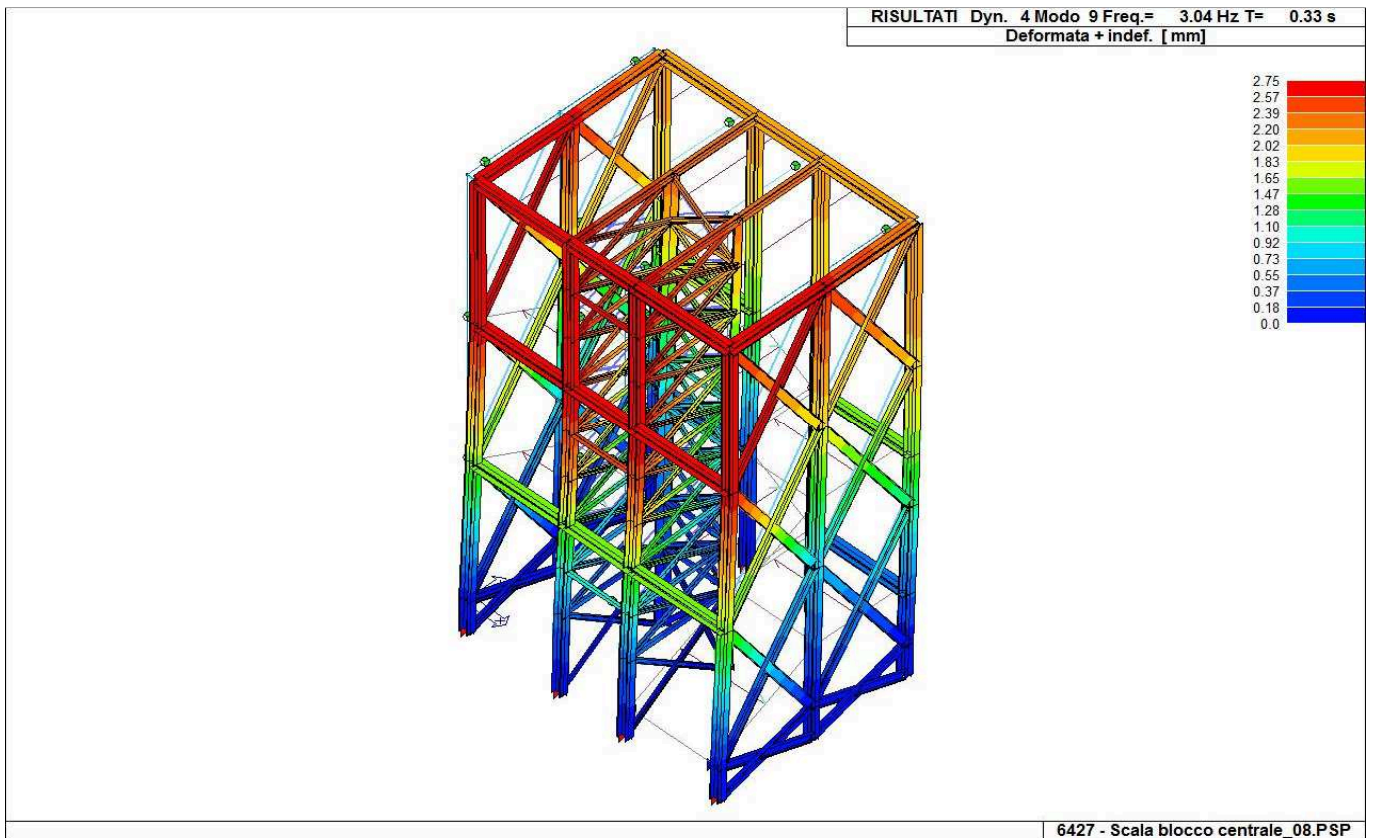


Figura 8: Modo di vibrare direzione X - CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)

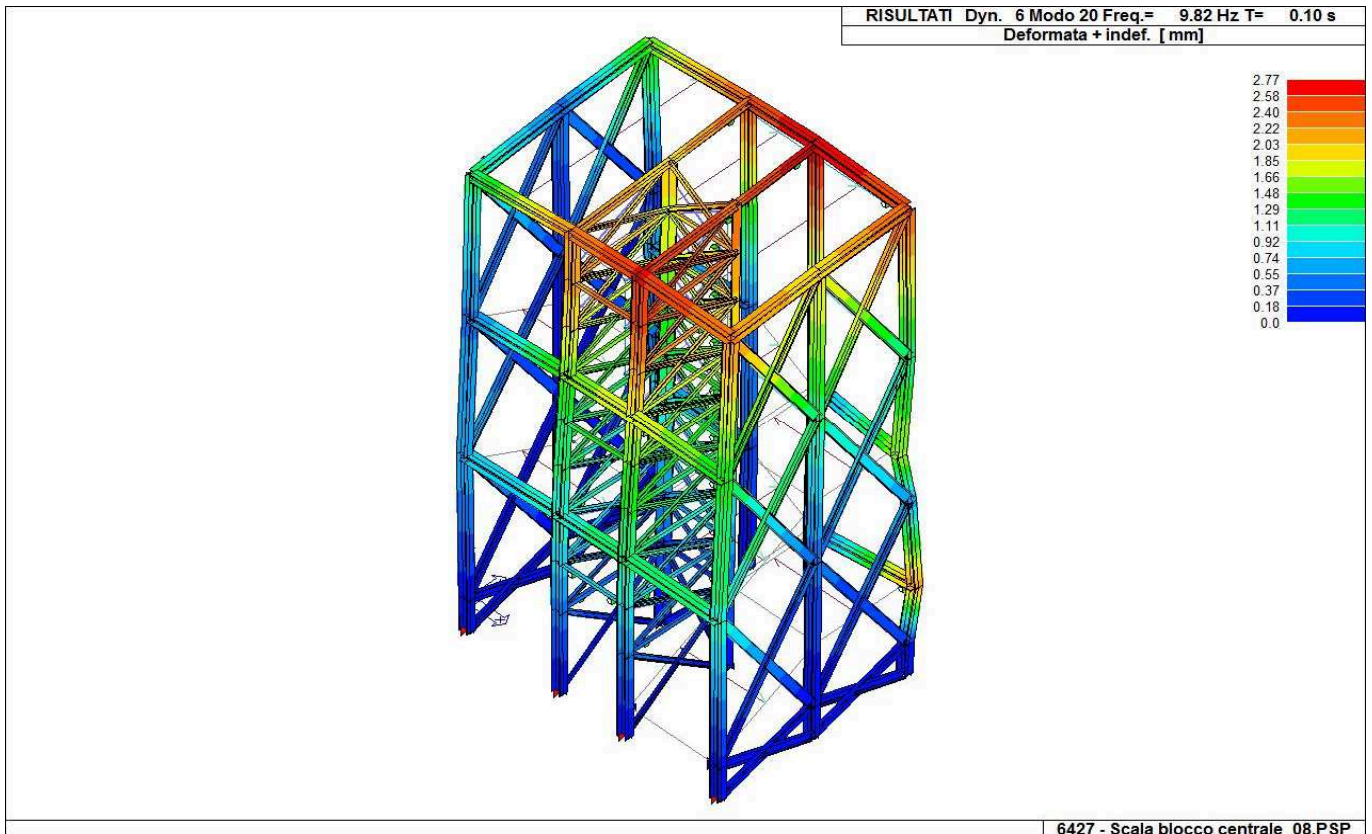


Figura 9: Modo di vibrare direzione X - CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)

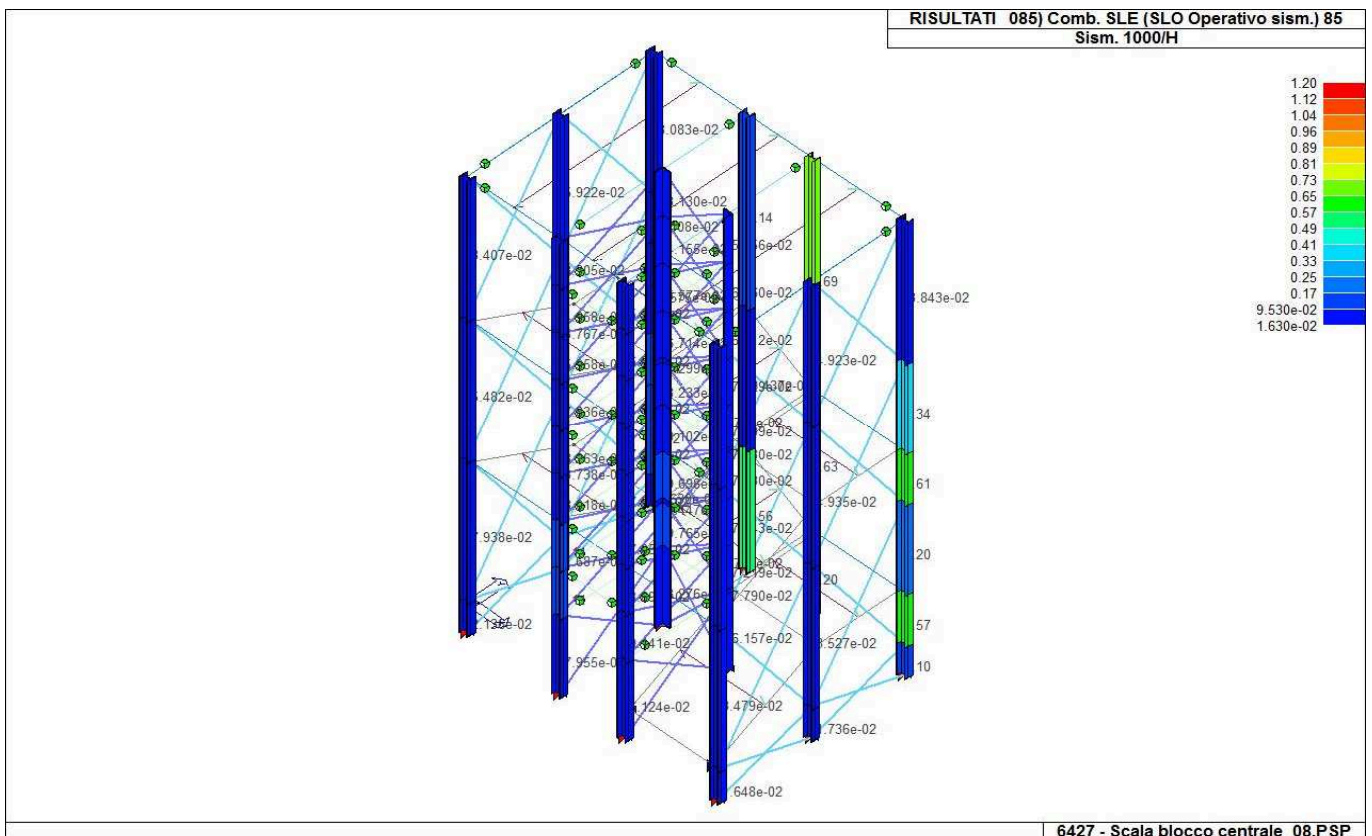


Figura 10: 1000/H - Comb. SLE (SLO Operativo sism.) 85

14 RISULTATI NODALI

14.1 LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X mm	Traslazione Y mm	Traslazione Z mm	Rotazione X	Rotazione Y	Rotazione Z
1	2	-0.01	-5.05e-03	-0.09	2.45e-05	0.0	1.86e-06
1	7	8.74e-04	-0.18	-0.02	7.78e-05	2.80e-06	1.83e-06
1	10	-0.01	-9.98e-05	-0.07	1.61e-05	0.0	1.28e-06
1	11	-1.31e-03	-0.11	-0.03	5.12e-05	2.54e-06	1.31e-06
1	14	-9.33e-03	0.05	-0.07	-9.10e-06	0.0	0.0
1	18	-7.86e-03	0.04	-0.07	-6.34e-06	1.31e-06	0.0
1	29	-2.44	-0.12	-0.72	-6.91e-05	-1.23e-03	-3.42e-05
1	33	-2.44	-0.12	-0.72	-6.98e-05	-1.23e-03	-3.66e-05
1	47	0.69	0.41	0.07	-1.09e-04	3.83e-04	6.76e-06
1	61	-1.77	-0.06	-0.55	-5.70e-05	-8.95e-04	-2.47e-05
1	65	-1.78	-0.06	-0.55	-5.77e-05	-8.94e-04	-2.67e-05
1	79	0.50	0.35	0.03	-9.73e-05	2.80e-04	4.53e-06
1	83	-0.02	0.26	-0.11	-9.21e-05	5.57e-06	2.96e-06
1	85	-0.03	0.27	-0.11	-9.40e-05	9.69e-06	-2.90e-06
1	97	-2.91	-0.15	-0.85	-7.92e-05	-1.47e-03	-4.09e-05
1	101	-2.91	-0.15	-0.85	-8.02e-05	-1.47e-03	-4.37e-05
1	115	0.83	0.46	0.10	-1.22e-04	4.57e-04	8.17e-06
2	2	0.02	0.31	-0.13	-7.27e-05	2.87e-04	3.53e-04
2	6	0.02	0.14	-0.14	-3.52e-05	2.28e-04	2.07e-04
2	10	0.02	0.21	-0.10	-5.05e-05	2.02e-04	2.46e-04
2	12	0.02	0.10	-0.10	-2.56e-05	1.63e-04	1.49e-04
2	14	6.11e-03	0.16	-0.06	-4.06e-05	1.43e-04	1.91e-04
2	18	4.21e-03	0.11	-0.05	-3.07e-05	1.18e-04	1.48e-04
2	24	10.97	-0.24	-0.17	6.44e-05	-5.84e-05	3.41e-04
2	25	-10.96	0.46	0.06	-1.26e-04	2.94e-04	-4.41e-05
2	56	7.97	-0.15	-0.14	4.12e-05	-1.04e-05	2.83e-04
2	57	-7.96	0.37	0.03	-1.03e-04	2.46e-04	1.37e-05
2	76	2.54	-0.15	-0.14	3.96e-05	7.00e-05	8.99e-05
2	85	-0.14	0.29	5.71e-03	-7.89e-05	1.27e-04	2.46e-04
2	86	0.15	-0.07	-0.12	1.75e-05	1.09e-04	5.09e-05
2	92	13.14	-0.30	-0.19	8.21e-05	-9.32e-05	3.81e-04
2	93	-13.14	0.52	0.08	-1.43e-04	3.29e-04	-8.44e-05
3	2	0.05	-0.26	-0.29	5.17e-05	4.26e-06	-2.26e-06
3	6	0.05	-0.52	-0.27	6.76e-05	6.60e-06	-1.84e-05
3	7	0.03	-0.57	-0.17	5.53e-05	6.04e-06	-2.92e-05
3	10	0.03	-0.17	-0.21	3.49e-05	2.75e-06	-1.60e-06
3	11	0.02	-0.37	-0.16	3.81e-05	3.81e-06	-1.97e-05
3	12	0.03	-0.34	-0.20	4.55e-05	4.32e-06	-1.23e-05
3	14	9.19e-03	0.04	-0.16	8.97e-06	0.0	4.56e-06
3	15	5.54e-03	-0.06	-0.13	1.05e-05	0.0	-4.47e-06
3	16	0.01	-0.05	-0.15	1.37e-05	0.0	-1.33e-06
3	18	5.95e-03	0.03	-0.15	6.85e-06	0.0	2.47e-06
3	24	18.79	-0.36	0.22	1.75e-04	7.28e-04	4.79e-04
3	34	-16.76	-0.12	-0.61	-1.05e-04	-1.10e-03	-4.36e-04
3	45	-5.80	0.90	-0.18	-1.23e-04	-3.00e-04	-9.00e-05
3	56	13.63	-0.29	0.11	1.33e-04	5.40e-04	3.46e-04
3	66	-12.19	-0.12	-0.49	-7.03e-05	-7.95e-04	-3.19e-04

3	77	-4.22	0.79	-0.16	-1.01e-04	-2.34e-04	-5.47e-05
3	85	-0.13	0.69	-0.08	-6.22e-05	-7.09e-05	4.78e-05
3	86	0.14	-0.62	-0.21	7.59e-05	7.00e-05	-4.28e-05
3	92	22.51	-0.42	0.29	2.07e-04	8.68e-04	5.75e-04
3	102	-20.02	-0.14	-0.70	-1.28e-04	-1.31e-03	-5.20e-04
3	113	-6.94	1.02	-0.20	-1.43e-04	-3.53e-04	-1.13e-04
4	2	-0.03	-8.74	-0.14	3.00e-03	-1.54e-05	8.94e-04
4	10	-0.02	-6.00	-0.10	2.06e-03	-1.08e-05	6.16e-04
4	14	-0.02	-3.40	-0.08	1.15e-03	-7.66e-06	3.92e-04
4	18	-0.01	-2.56	-0.07	8.64e-04	-6.18e-06	2.95e-04
4	22	-2.85	-3.06	-0.08	1.04e-03	-1.83e-03	9.86e-05
4	34	-4.08	-3.03	-0.08	1.02e-03	-2.58e-03	1.39e-04
4	42	-1.19	-3.97	-0.08	1.49e-03	-7.60e-04	1.81e-04
4	54	-2.08	-2.94	-0.08	9.97e-04	-1.33e-03	1.51e-04
4	66	-2.98	-2.92	-0.08	9.84e-04	-1.88e-03	1.81e-04
4	74	-0.87	-3.65	-0.08	1.34e-03	-5.53e-04	2.08e-04
4	84	0.01	-3.51	-0.07	1.29e-03	4.34e-06	2.46e-04
4	86	-0.08	-3.38	-0.07	1.23e-03	-3.69e-05	2.66e-04
4	90	-3.42	-3.14	-0.09	1.06e-03	-2.19e-03	6.03e-05
4	102	-4.87	-3.11	-0.08	1.05e-03	-3.08e-03	1.09e-04
4	110	-1.43	-4.20	-0.08	1.59e-03	-9.08e-04	1.60e-04
5	2	0.02	6.87e-03	-0.22	3.47e-05	-1.86e-04	-4.59e-04
5	6	0.02	-0.17	-0.21	6.89e-05	-1.42e-04	-3.52e-04
5	7	0.01	-0.29	-0.13	7.61e-05	-3.12e-05	-7.38e-05
5	10	0.02	9.09e-03	-0.16	2.28e-05	-1.29e-04	-3.14e-04
5	11	9.37e-03	-0.18	-0.11	5.00e-05	-3.27e-05	-7.06e-05
5	12	0.02	-0.11	-0.15	4.56e-05	-9.92e-05	-2.43e-04
5	14	6.11e-03	0.09	-0.11	-5.39e-06	-8.30e-05	-1.87e-04
5	18	4.21e-03	0.07	-0.10	-4.14e-06	-6.40e-05	-1.38e-04
5	24	10.97	0.13	0.13	6.59e-05	-2.38e-04	6.92e-05
5	34	-9.03	-0.30	-0.42	0.0	9.94e-05	-3.61e-04
5	47	2.55	0.57	0.05	-1.09e-04	-1.06e-04	1.03e-05
5	56	7.97	0.09	0.07	5.19e-05	-1.91e-04	7.78e-04
5	66	-6.56	-0.22	-0.33	4.62e-06	5.45e-05	-3.04e-04
5	79	1.83	0.50	0.02	-9.75e-05	-9.32e-05	-1.54e-05
5	85	-0.14	0.41	-0.05	-9.38e-05	-5.77e-05	-6.61e-05
5	86	0.15	-0.28	-0.16	8.55e-05	-7.04e-05	-2.10e-04
5	92	13.15	0.15	0.18	7.76e-05	-2.73e-04	1.12e-04
5	102	-10.79	-0.36	-0.48	0.0	1.31e-04	-4.02e-04
5	115	3.05	0.65	0.08	-1.23e-04	-1.14e-04	3.34e-05
6	2	-0.03	-0.17	-0.15	6.25e-05	-4.06e-06	7.92e-06
6	7	0.02	-0.46	-0.05	7.22e-05	5.16e-06	5.76e-06
6	10	-0.02	-0.11	-0.12	4.22e-05	-2.86e-06	5.41e-06
6	11	7.22e-03	-0.30	-0.07	4.94e-05	3.05e-06	4.16e-06
6	14	-0.02	0.06	-0.12	9.20e-06	-3.28e-06	2.22e-06
6	18	-0.02	0.04	-0.11	6.99e-06	-2.43e-06	1.72e-06
6	29	-7.74	0.18	-1.26	-2.01e-04	-1.83e-03	-7.90e-05
6	33	-7.76	0.18	-1.25	-2.01e-04	-1.84e-03	-8.23e-05
6	47	2.23	0.76	0.14	-4.19e-05	5.32e-04	2.03e-05
6	61	-5.64	0.17	-0.95	-1.49e-04	-1.34e-03	-5.69e-05
6	65	-5.65	0.18	-0.95	-1.49e-04	-1.34e-03	-5.96e-05
6	79	1.61	0.67	0.06	-4.42e-05	3.86e-04	1.47e-05
6	83	-0.03	0.58	-0.18	-7.38e-05	-5.37e-06	5.19e-06
6	85	-0.06	0.59	-0.17	-7.39e-05	-1.28e-05	-2.75e-06
6	97	-9.24	0.19	-1.48	-2.39e-04	-2.19e-03	-9.47e-05
6	101	-9.26	0.20	-1.47	-2.40e-04	-2.19e-03	-9.85e-05
6	115	2.67	0.86	0.20	-4.55e-05	6.35e-04	2.42e-05
7	1	0.0	0.0	0.0	-1.50e-03	1.65e-04	4.67e-05
7	9	0.0	0.0	0.0	-1.20e-03	1.28e-04	3.63e-05
7	13	0.0	0.0	0.0	-1.51e-03	1.34e-04	3.85e-05
7	17	0.0	0.0	0.0	-1.51e-03	1.34e-04	3.85e-05
7	19	0.0	0.0	0.0	-3.10e-03	0.11	-0.06
7	51	0.0	0.0	0.0	-3.07e-03	0.06	-0.04
7	83	0.0	0.0	0.0	-3.43e-03	1.61e-04	5.08e-05
7	87	0.0	0.0	0.0	-3.12e-03	0.14	-0.08
8	1	0.0	0.0	0.0	0.0	0.0	0.0
8	9	0.0	0.0	0.0	0.0	0.0	0.0
8	13	0.0	0.0	0.0	0.0	0.0	0.0
8	17	0.0	0.0	0.0	0.0	0.0	0.0
8	19	0.0	0.0	0.0	0.0	0.0	0.0
8	51	0.0	0.0	0.0	0.0	0.0	0.0
8	83	0.0	0.0	0.0	0.0	0.0	0.0
8	87	0.0	0.0	0.0	0.0	0.0	0.0
9	2	-0.08	-11.40	-0.24	-7.93e-04	-1.22e-05	9.15e-05
9	10	-0.06	-7.82	-0.17	-5.52e-04	-7.77e-06	6.43e-05

9	14	-0.04	-4.22	-0.13	-4.59e-04	-3.11e-06	7.02e-05
9	18	-0.03	-3.18	-0.11	-3.46e-04	0.0	5.21e-05
9	22	-10.76	-3.77	-0.14	-5.01e-04	-1.90e-03	-3.75e-04
9	34	-14.41	-3.71	-0.13	-4.90e-04	-2.09e-03	-3.07e-04
9	36	3.23	-6.05	-0.12	-4.38e-04	5.99e-04	1.01e-04
9	54	-7.83	-3.64	-0.13	-4.62e-04	-1.38e-03	-2.60e-04
9	66	-10.50	-3.59	-0.12	-4.54e-04	-1.52e-03	-2.11e-04
9	68	2.34	-5.38	-0.12	-4.25e-04	4.38e-04	7.99e-05
9	84	-2.81e-03	-5.09	-0.13	-4.39e-04	1.99e-05	-2.03e-06
9	86	-0.14	-4.84	-0.12	-4.25e-04	-4.73e-05	8.27e-06
9	90	-12.88	-3.86	-0.15	-5.30e-04	-2.28e-03	-4.59e-04
9	102	-17.20	-3.80	-0.13	-5.17e-04	-2.49e-03	-3.76e-04
9	104	3.87	-6.53	-0.12	-4.51e-04	7.16e-04	1.14e-04
10	1	0.0	0.0	0.0	-8.54e-04	-1.78e-04	-5.31e-05
10	9	0.0	0.0	0.0	-6.70e-04	-1.37e-04	-4.07e-05
10	13	0.0	0.0	0.0	-7.52e-04	-7.52e-04	-3.95e-05
10	17	0.0	0.0	0.0	-7.52e-04	-1.35e-04	-3.95e-05
10	19	0.0	0.0	0.0	-1.67e-03	0.10	-0.06
10	51	0.0	0.0	0.0	-1.63e-03	0.06	-0.03
10	83	0.0	0.0	0.0	-1.74e-03	-1.41e-04	-3.83e-05
10	87	0.0	0.0	0.0	-1.70e-03	0.13	-0.07
11	2	0.02	-0.46	-0.13	2.25e-05	8.31e-06	0.0
11	6	0.02	-0.43	-0.13	3.42e-05	8.80e-06	0.0
11	10	0.02	-0.32	-0.09	1.52e-05	5.59e-06	0.0
11	12	0.02	-0.30	-0.09	2.30e-05	5.92e-06	0.0
11	14	6.11e-03	-0.17	-0.06	2.21e-06	2.01e-06	0.0
11	18	4.21e-03	-0.14	-0.05	1.92e-06	1.36e-06	0.0
11	22	-10.93	-0.50	-0.18	9.49e-05	-3.23e-03	0.0
11	24	10.97	0.11	0.04	-6.38e-05	3.24e-03	0.0
11	54	-7.93	-0.41	-0.15	7.19e-05	-2.34e-03	0.0
11	56	7.97	0.04	0.01	-4.38e-05	2.35e-03	0.0
11	84	-0.05	-0.30	-0.11	4.23e-05	-4.57e-06	0.0
11	86	0.15	-0.27	-0.10	3.42e-05	2.39e-05	0.0
11	90	-13.10	-0.57	-0.21	1.12e-04	-3.87e-03	0.0
11	92	13.14	0.17	0.06	-7.77e-05	3.88e-03	0.0
12	2	-0.05	2.33	-0.14	-8.45e-04	-1.67e-05	0.0
12	10	-0.04	1.61	-0.10	-5.81e-04	-1.16e-05	0.0
12	14	-0.03	1.05	-0.09	-3.66e-04	-3.27e-06	0.0
12	18	-0.02	0.80	-0.08	-2.74e-04	-6.30e-06	0.0
12	19	10.69	1.40	-0.24	-4.03e-04	1.80e-03	0.0
12	34	-14.41	0.41	0.02	-1.91e-04	-2.21e-03	0.0
12	35	3.16	1.56	-0.21	-4.73e-04	5.20e-04	0.0
12	51	7.77	1.27	-0.20	-3.76e-04	1.31e-03	0.0
12	66	-10.49	0.49	-7.22e-03	-2.07e-04	-1.61e-03	0.0
12	67	2.29	1.44	-0.19	-4.43e-04	3.73e-04	0.0
12	83	-0.05	1.30	-0.15	-4.11e-04	-2.15e-05	0.0
12	86	-0.13	0.42	-0.03	-1.72e-04	-4.17e-05	0.0
12	87	12.81	1.51	-0.27	-4.26e-04	2.16e-03	0.0
12	102	-17.20	0.34	0.03	-1.78e-04	-2.64e-03	0.0
12	103	3.79	1.68	-0.23	-5.04e-04	6.25e-04	0.0
13	2	0.14	5.92	-11.35	1.60e-03	2.46e-04	7.25e-05
13	10	0.11	4.09	-7.83	1.10e-03	1.82e-04	5.35e-05
13	14	0.09	2.69	-5.14	7.10e-04	1.61e-04	4.71e-05
13	18	0.09	2.03	-3.87	5.33e-04	1.50e-04	4.37e-05
13	23	181.08	2.17	-4.15	5.61e-04	0.05	0.04
13	49	-43.80	2.70	-5.14	6.77e-04	-0.01	-9.74e-03
13	55	108.53	2.14	-4.09	5.55e-04	0.03	0.02
13	81	-26.21	2.55	-4.86	6.45e-04	-7.48e-03	-5.82e-03
13	85	0.09	2.48	-4.73	6.30e-04	1.63e-04	6.46e-05
13	91	234.33	2.19	-4.19	5.65e-04	0.07	0.05
13	117	-56.72	2.82	-5.35	7.02e-04	-0.02	-0.01
14	2	-3.42e-03	5.87	-0.12	-3.16e-03	2.46e-04	-1.27e-03
14	5	8.04e-03	0.70	-0.06	-2.64e-04	1.59e-04	-1.29e-05
14	10	-2.07e-03	4.05	-0.09	-2.18e-03	1.82e-04	-8.80e-04
14	11	5.57e-03	0.60	-0.05	-2.51e-04	1.24e-04	-3.89e-05
14	14	-1.42e-03	2.67	-0.07	-1.47e-03	1.61e-04	-6.10e-04
14	15	2.40e-03	0.94	-0.05	-5.01e-04	1.32e-04	-1.90e-04
14	17	1.61e-03	1.03	-0.05	-5.64e-04	1.34e-04	-2.28e-04
14	18	-2.05e-04	2.01	-0.06	-1.11e-03	1.50e-04	-4.57e-04
14	23	2.82	2.16	-0.08	-1.19e-03	1.79e-04	-4.78e-04
14	34	-4.00	1.87	-0.05	-1.03e-03	1.29e-04	-4.23e-04
14	49	-1.11	2.69	-0.06	-1.60e-03	1.60e-04	-7.90e-04
14	55	2.06	2.13	-0.07	-1.18e-03	1.71e-04	-4.77e-04
14	66	-2.91	1.90	-0.05	-1.04e-03	1.35e-04	-4.27e-04
14	81	-0.80	2.54	-0.06	-1.49e-03	1.60e-04	-7.19e-04

14	85	0.06	2.47	-0.06	-1.43e-03	1.62e-04	-6.80e-04
14	86	-0.06	1.55	-0.06	-7.77e-04	1.38e-04	-2.35e-04
14	91	3.38	2.18	-0.08	-1.21e-03	1.86e-04	-4.79e-04
14	102	-4.77	1.85	-0.05	-1.01e-03	1.25e-04	-4.19e-04
14	117	-1.33	2.80	-0.06	-1.69e-03	1.61e-04	-8.46e-04
15	2	-0.15	2.29	-4.65	8.97e-04	-2.55e-04	-7.34e-05
15	10	-0.11	1.58	-3.21	6.17e-04	-1.88e-04	-5.42e-05
15	14	-0.10	1.03	-2.08	3.88e-04	-1.60e-04	-4.63e-05
15	18	-0.09	0.78	-1.58	2.91e-04	-1.50e-04	-4.36e-05
15	26	-174.57	0.63	-1.29	2.72e-04	-0.05	-0.04
15	35	52.26	1.10	-2.19	3.51e-04	0.02	0.01
15	58	-104.63	0.66	-1.34	2.74e-04	-0.03	-0.02
15	67	31.28	1.07	-2.12	3.45e-04	8.97e-03	6.97e-03
15	83	-0.09	1.02	-2.03	3.38e-04	-1.41e-04	-3.56e-05
15	86	-0.09	0.63	-1.28	2.60e-04	-1.62e-04	-6.46e-05
15	94	-225.90	0.60	-1.24	2.70e-04	-0.07	-0.05
15	103	67.66	1.14	-2.27	3.58e-04	0.02	0.02
16	2	-3.51e-03	2.20	-0.10	-6.94e-04	-2.55e-04	-2.46e-03
16	5	7.99e-03	0.34	-0.04	-6.29e-05	-1.80e-04	-3.46e-04
16	10	-2.13e-03	1.52	-0.07	-4.81e-04	-1.88e-04	-1.70e-03
16	11	5.54e-03	0.28	-0.03	-6.00e-05	-1.38e-04	-2.86e-04
16	14	-1.46e-03	0.99	-0.06	-3.31e-04	-1.60e-04	-1.09e-03
16	15	2.37e-03	0.37	-0.04	-1.20e-04	-1.35e-04	-3.88e-04
16	17	1.58e-03	0.40	-0.05	-1.35e-04	-1.35e-04	-4.13e-04
16	18	-2.46e-04	0.75	-0.06	-2.52e-04	-1.50e-04	-8.21e-04
16	19	2.79	0.94	-0.12	-3.58e-04	-1.22e-04	-8.31e-04
16	34	-3.99	0.64	-0.01	-1.86e-04	-1.69e-04	-7.85e-04
16	35	0.81	1.07	-0.11	-4.13e-04	-1.29e-04	-1.08e-03
16	51	2.03	0.90	-0.11	-3.37e-04	-1.30e-04	-8.34e-04
16	66	-2.91	0.66	-0.02	-1.99e-04	-1.63e-04	-7.90e-04
16	67	0.58	1.03	-0.10	-3.95e-04	-1.32e-04	-1.03e-03
16	83	-0.02	0.98	-0.08	-3.68e-04	-1.39e-04	-1.02e-03
16	86	-0.06	0.60	-0.03	-1.76e-04	-1.60e-04	-6.03e-04
16	87	3.34	0.96	-0.13	-3.76e-04	-1.16e-04	-8.30e-04
16	102	-4.76	0.62	-6.29e-03	-1.76e-04	-1.73e-04	-7.81e-04
16	103	0.97	1.11	-0.12	-4.35e-04	-1.25e-04	-1.12e-03
17	2	-0.13	-2.55	-5.81	1.06e-03	2.22e-04	-3.66e-05
17	10	-0.09	-1.75	-3.99	7.30e-04	1.61e-04	-2.69e-05
17	14	-0.07	-1.02	-2.40	4.38e-04	1.22e-04	-2.07e-05
17	18	-0.06	-0.76	-1.80	3.27e-04	1.12e-04	-1.98e-05
17	22	-157.05	-0.65	-2.00	3.12e-04	0.03	-0.03
17	44	47.02	-1.26	-2.40	4.25e-04	-7.37e-03	8.17e-03
17	46	-47.17	-1.14	-2.44	4.05e-04	7.67e-03	-8.30e-03
17	54	-94.13	-0.69	-1.97	3.19e-04	0.02	-0.02
17	76	28.15	-1.20	-2.34	4.13e-04	-4.37e-03	4.87e-03
17	78	-28.29	-1.11	-2.37	3.98e-04	4.66e-03	-4.99e-03
17	84	-0.07	-1.00	-2.14	3.76e-04	1.39e-04	-3.69e-05
17	86	-0.07	-1.11	-2.30	3.98e-04	1.41e-04	-5.51e-05
17	90	-203.24	-0.62	-2.02	3.08e-04	0.03	-0.04
17	112	60.88	-1.32	-2.48	4.38e-04	-9.58e-03	0.01
17	114	-61.03	-1.18	-2.53	4.14e-04	9.89e-03	-0.01
18	2	-0.03	-2.46	-0.05	-4.94e-04	3.15e-04	-3.46e-03
18	10	-0.02	-1.69	-0.04	-3.42e-04	2.29e-04	-2.38e-03
18	14	-0.02	-0.98	-0.05	-2.21e-04	1.81e-04	-1.37e-03
18	18	-0.01	-0.73	-0.05	-1.70e-04	1.66e-04	-1.03e-03
18	25	-2.85	-0.40	-0.14	-2.65e-04	1.89e-04	-1.01e-03
18	34	-4.09	-0.74	-0.08	-1.96e-04	1.92e-04	-1.30e-03
18	44	0.76	-1.22	0.03	-8.26e-05	1.83e-04	-1.52e-03
18	57	-2.07	-0.47	-0.12	-2.41e-04	1.81e-04	-1.01e-03
18	66	-2.98	-0.76	-0.07	-1.87e-04	1.85e-04	-1.23e-03
18	76	0.54	-1.16	0.02	-9.89e-05	1.82e-04	-1.41e-03
18	85	0.05	-0.39	-0.09	-2.19e-04	1.45e-04	-6.75e-04
18	86	-0.08	-1.08	-6.44e-03	-1.21e-04	1.87e-04	-1.39e-03
18	93	-3.41	-0.35	-0.16	-2.83e-04	1.94e-04	-1.01e-03
18	102	-4.88	-0.74	-0.09	-2.02e-04	1.96e-04	-1.35e-03
18	112	0.92	-1.29	0.04	-6.84e-05	1.85e-04	-1.60e-03
19	1	0.04	-2.36	-4.31	5.62e-04	-9.15e-05	1.95e-05
19	2	0.04	-8.49	-16.31	2.18e-03	-1.08e-04	2.48e-05
19	9	0.03	-1.74	-3.21	4.21e-04	-7.11e-05	1.50e-05
19	10	0.03	-5.83	-11.21	1.50e-03	-8.22e-05	1.86e-05
19	13	0.03	-1.27	-2.55	3.44e-04	-7.53e-05	1.51e-05
19	14	0.03	-3.31	-6.55	8.84e-04	-8.09e-05	1.69e-05
19	17	0.03	-1.27	-2.55	3.44e-04	-7.11e-05	1.51e-05
19	18	0.03	-2.49	-4.95	6.68e-04	-7.87e-05	1.62e-05
19	19	163.07	-2.02	-4.26	5.52e-04	-0.03	0.03

19	42	-39.49	-3.83	-7.12	9.27e-04	6.26e-03	-6.91e-03
19	51	97.72	-2.13	-4.42	5.80e-04	-0.02	0.02
19	74	-23.65	-3.53	-6.63	8.68e-04	3.73e-03	-4.14e-03
19	83	0.04	-1.59	-3.47	5.00e-04	-1.00e-04	3.19e-05
19	84	0.03	-3.39	-6.44	8.36e-04	-5.69e-05	0.0
19	87	211.04	-1.94	-4.15	5.31e-04	-0.03	0.04
19	110	-51.12	-4.06	-7.48	9.71e-04	8.12e-03	-8.94e-03
20	2	-0.03	-8.48	-0.17	2.83e-03	-2.25e-04	-2.65e-03
20	10	-0.02	-5.82	-0.12	1.94e-03	-1.67e-04	-1.82e-03
20	14	-0.02	-3.30	-0.09	1.08e-03	-1.50e-04	-9.92e-04
20	18	-0.01	-2.49	-0.08	8.15e-04	-1.42e-04	-7.48e-04
20	22	-2.86	-2.95	-0.10	9.76e-04	-1.05e-04	-1.06e-03
20	34	-4.08	-2.93	-0.10	9.64e-04	-1.17e-04	-1.02e-03
20	42	-1.19	-3.83	-0.09	1.41e-03	-1.16e-04	-1.39e-03
20	54	-2.08	-2.84	-0.10	9.40e-04	-1.14e-04	-9.87e-04
20	66	-2.98	-2.82	-0.09	9.29e-04	-1.23e-04	-9.52e-04
20	74	-0.87	-3.52	-0.09	1.27e-03	-1.19e-04	-1.25e-03
20	84	0.01	-3.39	-0.09	1.23e-03	-1.25e-04	-1.17e-03
20	86	-0.08	-3.27	-0.09	1.17e-03	-1.22e-04	-1.13e-03
20	90	-3.42	-3.03	-0.11	1.00e-03	-9.74e-05	-1.12e-03
20	102	-4.87	-3.01	-0.10	9.88e-04	-1.12e-04	-1.06e-03
20	110	-1.43	-4.05	-0.10	1.51e-03	-1.12e-04	-1.50e-03
21	2	0.05	0.27	-0.17	8.40e-05	3.00e-04	1.38e-04
21	6	0.05	0.04	-0.18	8.28e-05	2.35e-04	-1.20e-05
21	10	0.03	0.19	-0.12	5.65e-05	2.12e-04	9.93e-05
21	12	0.03	0.04	-0.13	5.57e-05	1.69e-04	0.0
21	14	9.17e-03	0.18	-0.08	2.24e-05	1.55e-04	1.21e-04
21	16	0.01	0.10	-0.08	2.02e-05	1.27e-04	6.43e-05
21	18	5.94e-03	0.13	-0.07	1.50e-05	1.30e-04	9.41e-05
21	24	18.79	-0.57	-0.24	1.30e-04	-1.22e-04	2.18e-04
21	25	-18.78	0.84	0.10	-1.00e-04	3.81e-04	-2.98e-05
21	56	13.64	-0.40	-0.20	1.01e-04	-5.36e-05	1.73e-04
21	57	-13.62	0.67	0.06	-7.14e-05	3.13e-04	1.48e-05
21	85	-0.13	0.49	0.01	-3.61e-05	1.45e-04	2.88e-04
21	86	0.14	-0.22	-0.16	6.61e-05	1.14e-04	-9.98e-05
21	92	22.51	-0.70	-0.27	1.52e-04	-1.71e-04	2.47e-04
21	93	-22.50	0.97	0.13	-1.22e-04	4.31e-04	-5.89e-05
22	2	0.05	-0.23	-0.30	5.32e-05	-1.42e-04	-3.67e-04
22	6	0.05	-0.49	-0.29	6.83e-05	-1.05e-04	-2.83e-04
22	7	0.03	-0.56	-0.17	5.47e-05	-1.67e-05	-6.24e-05
22	10	0.03	-0.15	-0.22	3.60e-05	-9.75e-05	-2.52e-04
22	11	0.02	-0.37	-0.16	3.77e-05	-1.79e-05	-5.97e-05
22	12	0.03	-0.32	-0.21	4.60e-05	-7.30e-05	-1.96e-04
22	14	9.19e-03	0.06	-0.17	9.60e-06	-5.98e-05	-1.52e-04
22	16	0.01	-0.04	-0.16	1.40e-05	-4.35e-05	-1.14e-04
22	18	5.95e-03	0.04	-0.15	7.23e-06	-4.40e-05	-1.13e-04
22	24	18.79	-0.37	0.19	1.73e-04	-2.94e-04	5.37e-05
22	34	-16.76	-0.10	-0.59	-1.01e-04	1.88e-04	-2.69e-04
22	45	-5.80	0.91	-0.18	-1.21e-04	4.53e-05	-5.04e-05
22	56	13.63	-0.29	0.09	1.32e-04	-2.26e-04	1.76e-06
22	66	-12.19	-0.10	-0.48	-6.75e-05	1.24e-04	-2.33e-04
22	77	-4.22	0.80	-0.16	-9.91e-05	2.28e-05	-4.62e-05
22	85	-0.13	0.69	-0.09	-6.10e-05	-3.18e-05	-1.29e-05
22	86	0.14	-0.60	-0.21	7.54e-05	-5.63e-05	-2.13e-04
22	92	22.51	-0.43	0.26	2.05e-04	-3.43e-04	8.93e-05
22	102	-20.02	-0.11	-0.68	-1.23e-04	2.33e-04	-2.97e-04
22	113	-6.94	1.03	-0.19	-1.41e-04	6.23e-05	-4.67e-05
23	2	0.06	8.43	-16.51	2.18e-03	1.69e-04	4.30e-05
23	6	0.06	5.14	-10.60	1.44e-03	1.41e-04	3.16e-05
23	10	0.05	5.83	-11.42	1.51e-03	1.26e-04	3.12e-05
23	12	0.05	3.64	-7.48	1.02e-03	1.07e-04	2.36e-05
23	14	0.05	4.20	-8.02	1.04e-03	1.19e-04	2.69e-05
23	16	0.05	2.85	-5.56	7.26e-04	1.07e-04	2.22e-05
23	18	0.05	3.17	-6.06	7.81e-04	1.11e-04	2.36e-05
23	23	166.10	3.56	-7.36	9.66e-04	0.03	0.03
23	47	39.61	5.23	-9.87	1.22e-03	6.47e-03	6.91e-03
23	49	-39.51	5.41	-9.76	1.18e-03	-6.19e-03	-6.98e-03
23	55	99.54	3.48	-7.06	9.21e-04	0.02	0.02
23	79	23.75	4.75	-8.98	1.12e-03	3.93e-03	4.16e-03
23	81	-23.66	4.88	-8.90	1.09e-03	-3.66e-03	-4.21e-03
23	85	0.05	4.63	-8.63	1.07e-03	1.32e-04	-2.10e-05
23	91	214.95	3.62	-7.59	9.98e-04	0.03	0.04
23	111	64.52	5.59	-10.51	1.30e-03	0.01	0.01
23	117	-51.15	5.79	-10.38	1.25e-03	-8.04e-03	-9.02e-03
24	2	-0.05	8.42	-0.22	1.22e-03	3.07e-04	-2.55e-03

24	10	-0.04	5.83	-0.16	8.26e-04	2.28e-04	-1.77e-03
24	14	-0.03	4.21	-0.13	2.64e-04	2.08e-04	-1.39e-03
24	18	-0.02	3.17	-0.12	1.99e-04	1.94e-04	-1.04e-03
24	23	10.75	3.57	-0.14	1.13e-04	2.57e-04	-1.05e-03
24	34	-14.40	2.82	-0.12	2.75e-04	1.49e-04	-9.92e-04
24	49	-4.16	5.42	-0.13	-3.41e-05	2.18e-04	-2.15e-03
24	55	7.82	3.48	-0.14	1.32e-04	2.41e-04	-1.06e-03
24	66	-10.49	2.89	-0.12	2.60e-04	1.60e-04	-9.94e-04
24	81	-3.02	4.89	-0.13	1.53e-05	2.16e-04	-1.89e-03
24	85	0.10	4.64	-0.13	3.38e-05	2.20e-04	-1.75e-03
24	86	-0.13	1.70	-0.11	3.65e-04	1.67e-04	-3.40e-04
24	91	12.88	3.63	-0.15	9.84e-05	2.69e-04	-1.04e-03
24	102	-17.19	2.77	-0.12	2.88e-04	1.41e-04	-9.90e-04
24	117	-4.97	5.80	-0.13	-7.32e-05	2.20e-04	-2.34e-03
25	2	-0.14	2.74	-6.53	1.11e-03	-2.30e-04	-3.26e-05
25	10	-0.10	1.89	-4.51	7.68e-04	-1.70e-04	-2.53e-05
25	14	-0.09	1.25	-2.89	4.77e-04	-1.54e-04	-2.81e-05
25	18	-0.09	0.95	-2.21	3.60e-04	-1.43e-04	-2.76e-05
25	25	-159.81	0.71	-2.29	4.21e-04	-0.03	-0.03
25	35	47.82	1.70	-3.21	4.47e-04	7.49e-03	8.30e-03
25	57	-95.79	0.80	-2.29	4.08e-04	-0.02	-0.02
25	67	28.62	1.58	-3.07	4.38e-04	4.43e-03	4.96e-03
25	83	-0.09	1.44	-2.96	4.38e-04	-1.58e-04	-4.34e-05
25	85	-0.09	1.33	-2.74	4.11e-04	-1.66e-04	-7.30e-05
25	93	-206.81	0.65	-2.29	4.31e-04	-0.03	-0.04
25	103	61.92	1.82	-3.35	4.58e-04	9.74e-03	0.01
26	2	-0.05	2.66	-0.17	-7.48e-04	-3.37e-04	-3.31e-03
26	10	-0.04	1.84	-0.13	-5.15e-04	-2.48e-04	-2.29e-03
26	14	-0.03	1.22	-0.12	-3.37e-04	-2.12e-04	-1.65e-03
26	18	-0.02	0.92	-0.10	-2.52e-04	-1.99e-04	-1.24e-03
26	19	10.69	1.50	-0.26	-3.76e-04	-1.37e-04	-1.18e-03
26	34	-14.41	0.56	-7.71e-03	-1.72e-04	-2.41e-04	-1.20e-03
26	35	3.16	1.67	-0.22	-4.42e-04	-1.48e-04	-1.99e-03
26	51	7.77	1.36	-0.22	-3.49e-04	-1.52e-04	-1.21e-03
26	66	-10.49	0.63	-0.03	-1.87e-04	-2.31e-04	-1.20e-03
26	67	2.29	1.55	-0.20	-4.13e-04	-1.56e-04	-1.82e-03
26	83	-0.05	1.41	-0.17	-3.83e-04	-1.70e-04	-1.82e-03
26	86	-0.13	0.55	-0.05	-1.53e-04	-2.23e-04	-5.56e-04
26	87	12.81	1.60	-0.28	-3.98e-04	-1.25e-04	-1.16e-03
26	102	-17.20	0.50	9.57e-03	-1.59e-04	-2.49e-04	-1.20e-03
26	103	3.79	1.78	-0.24	-4.71e-04	-1.40e-04	-2.11e-03
27	2	-0.21	-2.94	-6.48	1.14e-03	3.32e-04	-5.37e-05
27	10	-0.15	-2.01	-4.46	7.84e-04	2.39e-04	-3.93e-05
27	14	-0.11	-1.15	-2.72	4.70e-04	1.75e-04	-2.96e-05
27	18	-0.10	-0.86	-2.05	3.51e-04	1.59e-04	-2.83e-05
27	22	-160.42	-0.53	-2.28	3.14e-04	0.03	-0.03
27	44	47.99	-1.70	-2.91	4.95e-04	-7.48e-03	8.29e-03
27	46	-48.20	-1.41	-2.95	4.56e-04	7.92e-03	-8.45e-03
27	54	-96.16	-0.64	-2.26	3.28e-04	0.02	-0.02
27	76	28.71	-1.56	-2.79	4.71e-04	-4.41e-03	4.94e-03
27	78	-28.92	-1.34	-2.82	4.43e-04	4.84e-03	-5.09e-03
27	84	-0.11	-1.28	-2.50	4.21e-04	2.08e-04	-4.53e-05
27	86	-0.10	-1.39	-2.73	4.46e-04	2.06e-04	-6.93e-05
27	90	-207.59	-0.45	-2.32	3.05e-04	0.03	-0.04
27	112	62.13	-1.84	-3.04	5.18e-04	-9.73e-03	0.01
27	114	-62.35	-1.48	-3.08	4.72e-04	0.01	-0.01
28	2	-0.08	-2.85	-0.07	-4.41e-04	4.20e-04	-4.40e-03
28	10	-0.06	-1.96	-0.05	-3.04e-04	3.05e-04	-3.02e-03
28	14	-0.04	-1.12	-0.08	-1.93e-04	2.39e-04	-1.64e-03
28	18	-0.03	-0.84	-0.07	-1.46e-04	2.20e-04	-1.24e-03
28	25	-10.72	-0.14	-0.25	-2.63e-04	1.47e-04	-1.03e-03
28	34	-14.41	-0.74	-0.13	-1.50e-04	1.97e-04	-1.61e-03
28	44	3.04	-1.67	0.07	1.66e-05	2.85e-04	-2.28e-03
28	57	-7.80	-0.30	-0.20	-2.38e-04	1.65e-04	-1.08e-03
28	66	-10.50	-0.79	-0.11	-1.43e-04	2.05e-04	-1.52e-03
28	76	2.19	-1.53	0.04	-6.01e-06	2.73e-04	-2.04e-03
28	85	0.09	-0.31	-0.15	-2.56e-04	1.84e-04	-5.12e-04
28	86	-0.14	-1.36	2.18e-03	-3.49e-05	2.56e-04	-1.97e-03
28	93	-12.84	-0.01	-0.28	-2.84e-04	1.33e-04	-1.00e-03
28	102	-17.20	-0.72	-0.14	-1.53e-04	1.92e-04	-1.67e-03
28	112	3.65	-1.81	0.09	4.02e-05	2.95e-04	-2.45e-03
29	2	0.03	-10.99	-20.58	2.65e-03	-1.21e-04	4.24e-05
29	5	0.06	-4.37	-7.33	9.00e-04	-1.02e-04	2.43e-05
29	10	0.03	-7.54	-14.13	1.82e-03	-9.28e-05	3.07e-05
29	11	0.05	-3.12	-5.30	6.54e-04	-8.03e-05	1.86e-05

29	14	0.03	-4.08	-7.97	1.04e-03	-9.46e-05	2.41e-05
29	15	0.04	-1.87	-3.55	4.53e-04	-8.83e-05	1.81e-05
29	17	0.04	-1.56	-3.12	4.03e-04	-9.03e-05	1.79e-05
29	18	0.03	-3.07	-6.03	7.84e-04	-9.28e-05	2.16e-05
29	19	166.72	-2.53	-4.48	5.55e-04	-0.03	0.03
29	36	50.03	-5.81	-10.49	1.27e-03	-8.05e-03	8.71e-03
29	42	-39.82	-5.68	-10.61	1.32e-03	6.35e-03	-6.96e-03
29	51	99.91	-2.64	-4.84	6.10e-04	-0.02	0.02
29	68	29.99	-5.18	-9.49	1.16e-03	-4.86e-03	5.23e-03
29	74	-23.84	-5.08	-9.58	1.20e-03	3.79e-03	-4.17e-03
29	83	0.04	-1.24	-2.91	4.32e-04	-1.30e-04	3.20e-05
29	84	0.03	-4.90	-9.15	1.14e-03	-5.54e-05	1.13e-05
29	87	215.76	-2.45	-4.22	5.14e-04	-0.03	0.04
29	104	64.74	-6.27	-11.22	1.35e-03	-0.01	0.01
29	110	-51.54	-6.11	-11.37	1.41e-03	8.22e-03	-9.00e-03
30	2	-0.08	-11.01	-0.27	-7.76e-04	-2.50e-04	-3.89e-03
30	10	-0.06	-7.55	-0.19	-5.40e-04	-1.88e-04	-2.67e-03
30	14	-0.04	-4.08	-0.15	-4.47e-04	-1.78e-04	-1.37e-03
30	18	-0.03	-3.07	-0.13	-3.37e-04	-1.71e-04	-1.03e-03
30	22	-10.76	-3.62	-0.16	-4.88e-04	-2.19e-04	-1.53e-03
30	34	-14.41	-3.57	-0.14	-4.77e-04	-1.95e-04	-1.42e-03
30	36	3.23	-5.83	-0.14	-4.24e-04	-1.15e-04	-2.25e-03
30	54	-7.83	-3.50	-0.16	-4.50e-04	-2.04e-04	-1.41e-03
30	66	-10.50	-3.46	-0.14	-4.42e-04	-1.86e-04	-1.33e-03
30	68	2.34	-5.19	-0.14	-4.11e-04	-1.24e-04	-1.97e-03
30	84	-2.81e-03	-4.91	-0.14	-4.26e-04	-1.40e-04	-1.89e-03
30	86	-0.14	-4.66	-0.12	-4.15e-04	-1.34e-04	-1.79e-03
30	90	-12.88	-3.70	-0.17	-5.17e-04	-2.29e-04	-1.62e-03
30	102	-17.20	-3.65	-0.14	-5.03e-04	-2.00e-04	-1.48e-03
30	104	3.87	-6.29	-0.14	-4.36e-04	-1.07e-04	-2.45e-03
31	6	0.02	-0.33	-0.19	5.87e-05	1.72e-04	-3.75e-04
31	7	0.01	-0.33	-0.13	6.22e-05	5.27e-05	-1.46e-04
31	11	9.37e-03	-0.22	-0.11	4.11e-05	4.77e-05	-1.23e-04
31	12	0.02	-0.22	-0.14	3.90e-05	1.19e-04	-2.60e-04
31	14	6.11e-03	2.86e-03	-0.10	-2.58e-06	8.90e-05	-1.74e-04
31	15	2.97e-03	-0.04	-0.09	7.35e-06	3.97e-05	-8.48e-05
31	18	4.21e-03	2.39e-03	-0.09	-1.98e-06	6.85e-05	-1.34e-04
31	24	10.97	-0.30	-0.37	-9.25e-06	-1.01e-04	1.25e-04
31	28	9.07	-0.35	-0.41	0.0	-9.56e-05	4.12e-05
31	41	-2.65	0.48	0.07	-9.75e-05	1.09e-04	-1.29e-04
31	56	7.97	-0.24	-0.30	-2.90e-06	-5.39e-05	5.70e-05
31	60	6.60	-0.28	-0.32	5.01e-06	-5.07e-05	-9.25e-06
31	73	-1.92	0.41	0.03	-8.82e-05	9.72e-05	-1.22e-04
31	83	0.06	0.32	-0.04	-8.52e-05	6.15e-05	-8.49e-05
31	84	-0.05	-0.32	-0.15	8.12e-05	7.54e-05	-1.84e-04
31	86	0.15	-0.28	-0.14	7.15e-05	7.72e-05	-7.21e-05
31	92	13.15	-0.36	-0.42	-1.25e-05	-1.35e-04	1.75e-04
31	96	10.83	-0.42	-0.46	0.0	-1.28e-04	7.63e-05
31	109	-3.17	0.55	0.09	-1.10e-04	1.17e-04	-1.31e-04
32	2	0.02	-0.49	-0.16	2.30e-05	-2.56e-04	3.24e-04
32	6	0.02	-0.47	-0.15	3.54e-05	-2.14e-04	3.39e-04
32	10	0.02	-0.34	-0.11	1.55e-05	-1.81e-04	2.19e-04
32	12	0.02	-0.32	-0.11	2.38e-05	-1.52e-04	2.29e-04
32	14	6.11e-03	-0.18	-0.07	1.98e-06	-1.25e-04	8.36e-05
32	18	4.21e-03	-0.15	-0.06	1.74e-06	-1.04e-04	5.84e-05
32	22	-10.93	-0.49	-0.17	9.34e-05	6.60e-05	-1.31e-04
32	24	10.97	0.08	0.01	-6.13e-05	-2.79e-04	3.30e-04
32	54	-7.93	-0.41	-0.15	7.09e-05	1.89e-05	-7.37e-05
32	56	7.97	0.01	-0.01	-4.19e-05	-2.31e-04	2.59e-04
32	84	-0.05	-0.32	-0.12	4.41e-05	-1.12e-04	1.63e-04
32	86	0.15	-0.28	-0.11	3.58e-05	-1.09e-04	1.59e-04
32	90	-13.10	-0.55	-0.20	1.11e-04	9.99e-05	-1.71e-04
32	92	13.14	0.13	0.03	-7.47e-05	-3.13e-04	3.82e-04
33	1	0.0	0.0	0.0	0.0	0.0	0.0
33	9	0.0	0.0	0.0	0.0	0.0	0.0
33	13	0.0	0.0	0.0	0.0	0.0	0.0
33	17	0.0	0.0	0.0	0.0	0.0	0.0
33	19	0.0	0.0	0.0	0.0	0.0	0.0
33	51	0.0	0.0	0.0	0.0	0.0	0.0
33	83	0.0	0.0	0.0	0.0	0.0	0.0
33	87	0.0	0.0	0.0	0.0	0.0	0.0
34	2	-3.51e-03	1.95	-0.07	-5.73e-04	-5.95e-06	0.0
34	5	7.99e-03	0.31	-0.02	-5.30e-05	4.98e-06	0.0
34	10	-2.13e-03	1.35	-0.05	-3.97e-04	-3.95e-06	0.0
34	11	5.53e-03	0.25	-0.02	-5.06e-05	3.34e-06	0.0

34	14	-1.46e-03	0.88	-0.05	-2.75e-04	-2.86e-06	0.0
34	15	2.37e-03	0.33	-0.03	-1.01e-04	0.0	0.0
34	17	1.58e-03	0.36	-0.03	-1.14e-04	0.0	0.0
34	18	-2.48e-04	0.67	-0.04	-2.10e-04	-1.66e-06	0.0
34	19	2.79	0.86	-0.11	-3.23e-04	2.14e-03	0.0
34	34	-3.99	0.55	2.80e-03	-1.40e-04	-3.00e-03	0.0
34	35	0.81	0.99	-0.09	-3.78e-04	6.23e-04	0.0
34	51	2.03	0.83	-0.09	-3.01e-04	1.55e-03	0.0
34	66	-2.91	0.57	-7.44e-03	-1.53e-04	-2.18e-03	0.0
34	67	0.58	0.96	-0.09	-3.59e-04	4.51e-04	0.0
34	83	-0.02	0.91	-0.07	-3.30e-04	-1.55e-05	0.0
34	86	-0.06	0.52	-0.02	-1.33e-04	-3.84e-05	0.0
34	87	3.34	0.89	-0.12	-3.42e-04	2.56e-03	0.0
34	102	-4.76	0.53	0.01	-1.28e-04	-3.58e-03	0.0
34	103	0.97	1.03	-0.10	-4.00e-04	7.48e-04	0.0
35	1	0.0	0.0	0.0	0.0	0.0	0.0
35	9	0.0	0.0	0.0	0.0	0.0	0.0
35	13	0.0	0.0	0.0	0.0	0.0	0.0
35	17	0.0	0.0	0.0	0.0	0.0	0.0
35	19	0.0	0.0	0.0	0.0	0.0	0.0
35	51	0.0	0.0	0.0	0.0	0.0	0.0
35	83	0.0	0.0	0.0	0.0	0.0	0.0
35	87	0.0	0.0	0.0	0.0	0.0	0.0
36	2	-3.42e-03	6.00	-0.09	-3.28e-03	-5.28e-06	-6.47e-04
36	5	8.04e-03	0.70	-0.04	-2.74e-04	5.41e-06	-9.84e-05
36	10	-2.07e-03	4.14	-0.07	-2.26e-03	-3.38e-06	-4.46e-04
36	11	5.58e-03	0.61	-0.03	-2.61e-04	3.75e-06	-8.03e-05
36	14	-1.41e-03	2.73	-0.05	-1.52e-03	-1.98e-06	-2.87e-04
36	15	2.41e-03	0.96	-0.04	-5.20e-04	1.59e-06	-1.04e-04
36	17	1.61e-03	1.05	-0.04	-5.85e-04	1.05e-06	-1.10e-04
36	18	-2.03e-04	2.06	-0.05	-1.15e-03	0.0	-2.16e-04
36	23	2.82	2.20	-0.06	-1.24e-03	2.16e-03	-9.78e-05
36	34	-4.00	1.91	-0.04	-1.07e-03	-3.02e-03	-3.17e-04
36	49	-1.11	2.77	-0.05	-1.67e-03	-8.54e-04	-2.85e-04
36	55	2.06	2.17	-0.05	-1.22e-03	1.57e-03	-1.31e-04
36	66	-2.92	1.94	-0.04	-1.08e-03	-2.20e-03	-2.89e-04
36	81	-0.80	2.61	-0.05	-1.55e-03	-6.16e-04	-2.69e-04
36	85	0.06	2.53	-0.05	-1.49e-03	3.68e-05	-2.41e-04
36	86	-0.06	1.58	-0.04	-8.04e-04	-3.84e-05	-1.90e-04
36	91	3.38	2.23	-0.06	-1.25e-03	2.59e-03	-7.40e-05
36	102	-4.78	1.89	-0.03	-1.05e-03	-3.61e-03	-3.37e-04
36	117	-1.33	2.89	-0.05	-1.76e-03	-1.02e-03	-2.97e-04
37	2	-0.05	8.67	-0.19	1.32e-03	-2.02e-05	9.18e-05
37	10	-0.04	6.00	-0.14	8.93e-04	-1.46e-05	6.14e-05
37	14	-0.03	4.34	-0.11	2.93e-04	-1.30e-05	2.93e-06
37	18	-0.02	3.27	-0.10	2.22e-04	-1.11e-05	2.54e-06
37	25	-10.69	4.23	-0.12	1.61e-04	-1.82e-03	-3.45e-04
37	34	-14.40	2.92	-0.10	3.00e-04	-2.00e-03	-2.46e-04
37	49	-4.16	5.63	-0.11	-2.18e-05	-6.61e-04	-1.61e-04
37	57	-7.78	3.99	-0.11	1.74e-04	-1.33e-03	-2.52e-04
37	66	-10.49	2.99	-0.10	2.84e-04	-1.76e-03	-1.76e-04
37	81	-3.02	5.07	-0.11	3.00e-05	-4.91e-04	-1.25e-04
37	85	0.10	4.81	-0.10	4.93e-05	-5.04e-05	-5.82e-05
37	86	-0.13	1.73	-0.09	3.94e-04	2.82e-05	6.33e-05
37	93	-12.81	4.40	-0.12	1.51e-04	-2.18e-03	-4.12e-04
37	102	-17.19	2.87	-0.10	3.14e-04	-2.38e-03	-2.95e-04
37	117	-4.97	6.03	-0.11	-6.27e-05	-7.84e-04	-1.90e-04
38	6	0.05	-0.41	-0.15	1.46e-04	-2.71e-06	0.0
38	8	0.05	-0.42	-0.13	1.42e-04	-2.07e-06	0.0
38	12	0.03	-0.27	-0.11	9.92e-05	-2.09e-06	0.0
38	13	-5.14e-03	0.02	-0.06	1.44e-05	-2.14e-06	0.0
38	16	2.68e-03	-0.04	-0.07	4.37e-05	-3.00e-06	0.0
38	17	-5.14e-03	0.02	-0.06	1.44e-05	-2.14e-06	0.0
38	18	-4.59e-03	0.02	-0.06	3.76e-05	-3.77e-06	0.0
38	24	18.21	-1.17	-0.27	1.78e-04	-7.24e-04	0.0
38	25	-18.22	1.21	0.15	-1.03e-04	7.16e-04	0.0
38	33	-18.23	0.81	0.07	-5.52e-05	1.80e-04	0.0
38	56	13.22	-0.88	-0.22	1.43e-04	-5.33e-04	0.0
38	57	-13.23	0.91	0.10	-6.77e-05	5.25e-04	0.0
38	65	-13.28	0.62	0.04	-3.30e-05	1.38e-04	0.0
38	85	-0.22	0.55	0.03	-1.86e-05	-3.60e-05	0.0
38	86	0.21	-0.52	-0.15	9.37e-05	2.84e-05	0.0
38	92	21.82	-1.40	-0.31	2.05e-04	-8.64e-04	0.0
38	93	-21.83	1.43	0.19	-1.30e-04	8.56e-04	0.0
39	1	0.0	0.0	0.0	0.0	0.0	0.0

39	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	87	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	2	0.02	0.27	-0.10	-7.79e-05	8.44e-06		0.0
40	6	0.02	0.12	-0.11	-4.03e-05	8.97e-06		0.0
40	10	0.02	0.18	-0.07	-5.41e-05	5.68e-06		0.0
40	12	0.02	0.08	-0.08	-2.91e-05	6.03e-06		0.0
40	14	6.11e-03	0.14	-0.05	-4.24e-05	2.04e-06		0.0
40	16	5.81e-03	0.08	-0.05	-2.72e-05	2.05e-06		0.0
40	18	4.21e-03	0.10	-0.04	-3.20e-05	1.38e-06		0.0
40	24	10.97	-0.27	-0.18	6.44e-05	3.24e-03		0.0
40	25	-10.96	0.46	0.09	-1.28e-04	-3.24e-03		0.0
40	56	7.97	-0.18	-0.14	4.07e-05	2.35e-03		0.0
40	57	-7.96	0.37	0.06	-1.05e-04	-2.35e-03		0.0
40	85	-0.14	0.27	0.02	-7.83e-05	-2.11e-05		0.0
40	86	0.15	-0.08	-0.10	1.43e-05	2.39e-05		0.0
40	92	13.14	-0.34	-0.20	8.24e-05	3.88e-03		0.0
40	93	-13.13	0.53	0.11	-1.46e-04	-3.88e-03		0.0
41	1	0.0	0.0	0.0	0.0	0.0		0.0
41	9	0.0	0.0	0.0	0.0	0.0		0.0
41	13	0.0	0.0	0.0	0.0	0.0		0.0
41	17	0.0	0.0	0.0	0.0	0.0		0.0
41	19	0.0	0.0	0.0	0.0	0.0		0.0
41	51	0.0	0.0	0.0	0.0	0.0		0.0
41	83	0.0	0.0	0.0	0.0	0.0		0.0
41	87	0.0	0.0	0.0	0.0	0.0		0.0
42	1	0.0	0.0	0.0	0.0	0.0		0.0
42	9	0.0	0.0	0.0	0.0	0.0		0.0
42	13	0.0	0.0	0.0	0.0	0.0		0.0
42	17	0.0	0.0	0.0	0.0	0.0		0.0
42	19	0.0	0.0	0.0	0.0	0.0		0.0
42	51	0.0	0.0	0.0	0.0	0.0		0.0
42	83	0.0	0.0	0.0	0.0	0.0		0.0
42	87	0.0	0.0	0.0	0.0	0.0		0.0
43	1	7.53e-03	-0.06	-0.04	5.04e-05	-1.52e-06		0.0
43	2	6.92e-03	-0.04	-0.06	4.18e-05	-7.28e-06		-1.27e-06
43	7	4.40e-03	-0.11	-0.02	8.48e-05	0.0		-1.25e-06
43	9	5.95e-03	-0.04	-0.03	3.35e-05	-1.42e-06		0.0
43	10	5.54e-03	-0.03	-0.04	2.78e-05	-5.26e-06		0.0
43	11	5.26e-03	-0.07	-0.02	5.63e-05	0.0		0.0
43	13	6.98e-03	0.01	-0.04	0.0	-3.00e-06		0.0
43	14	6.78e-03	0.02	-0.05	-3.60e-06	-4.92e-06		0.0
43	17	6.98e-03	0.01	-0.04	0.0	-3.00e-06		0.0
43	18	6.86e-03	0.02	-0.04	-2.46e-06	-4.16e-06		0.0
43	27	1.62	-0.06	-0.51	-1.52e-05	1.12e-03		-2.54e-05
43	31	1.62	-0.07	-0.51	-1.17e-05	1.11e-03		-2.37e-05
43	41	-0.47	0.22	0.06	-1.14e-04	-3.47e-04		4.53e-06
43	59	1.18	-0.03	-0.39	-1.61e-05	8.11e-04		-1.86e-05
43	63	1.18	-0.04	-0.39	-1.28e-05	8.09e-04		-1.73e-05
43	73	-0.34	0.19	0.02	-1.00e-04	-2.54e-04		3.09e-06
43	83	0.01	0.15	-0.07	-8.67e-05	-8.49e-06		-2.02e-06
43	85	0.02	0.13	-0.07	-7.67e-05	-1.28e-05		1.98e-06
43	95	1.93	-0.08	-0.61	-1.59e-05	1.33e-03		-3.02e-05
43	99	1.94	-0.08	-0.60	-1.20e-05	1.33e-03		-2.83e-05
43	109	-0.56	0.25	0.08	-1.30e-04	-4.13e-04		5.53e-06
44	2	-0.03	-2.11	-0.02	-6.58e-04	-1.53e-05		0.0
44	10	-0.02	-1.45	-0.02	-4.55e-04	-1.06e-05		0.0
44	14	-0.02	-0.84	-0.03	-2.85e-04	-7.02e-06		0.0
44	18	-0.01	-0.63	-0.03	-2.18e-04	-5.37e-06		0.0
44	25	-2.85	-0.29	-0.13	-3.14e-04	-1.83e-03		0.0
44	34	-4.09	-0.63	-0.06	-2.49e-04	-2.56e-03		0.0
44	44	0.76	-1.12	0.05	-1.37e-04	5.09e-04		0.0
44	57	-2.07	-0.36	-0.11	-2.91e-04	-1.33e-03		0.0
44	66	-2.98	-0.65	-0.05	-2.38e-04	-1.87e-03		0.0
44	76	0.54	-1.06	0.04	-1.50e-04	3.64e-04		0.0
44	85	0.05	-0.28	-0.08	-2.64e-04	2.32e-05		0.0
44	86	-0.08	-0.98	0.01	-1.73e-04	-3.40e-05		0.0
44	93	-3.41	-0.23	-0.15	-3.32e-04	-2.19e-03		0.0
44	102	-4.88	-0.62	-0.07	-2.56e-04	-2.06e-03		0.0
44	112	0.92	-1.19	0.06	-1.24e-04	6.12e-04		0.0
45	2	0.05	0.25	-0.14	8.55e-05	0.0		0.0

45	6	0.05	0.04	-0.15	8.36e-05	3.85e-06	0.0
45	10	0.03	0.17	-0.10	5.75e-05	0.0	0.0
45	12	0.03	0.03	-0.11	5.62e-05	2.44e-06	0.0
45	14	9.17e-03	0.17	-0.06	2.31e-05	-1.45e-06	0.0
45	16	0.01	0.09	-0.07	2.05e-05	0.0	0.0
45	18	5.94e-03	0.12	-0.06	1.54e-05	-1.24e-06	0.0
45	24	18.79	-0.59	-0.25	1.28e-04	9.13e-04	0.0
45	25	-18.78	0.84	0.14	-9.71e-05	-9.15e-04	0.0
45	56	13.64	-0.42	-0.20	1.00e-04	6.69e-04	0.0
45	57	-13.62	0.67	0.09	-6.93e-05	-6.71e-04	0.0
45	85	-0.13	0.47	0.03	-3.49e-05	-5.83e-05	0.0
45	86	0.14	-0.22	-0.15	6.58e-05	5.58e-05	0.0
45	92	22.51	-0.73	-0.29	1.49e-04	1.09e-03	0.0
45	93	-22.50	0.98	0.17	-1.18e-04	-1.09e-03	0.0
46	2	-0.02	-0.17	-0.13	2.32e-05	-5.38e-06	-7.33e-06
46	7	0.02	-0.36	-0.05	4.61e-05	5.06e-06	-5.18e-06
46	10	-0.01	-0.11	-0.10	1.54e-05	-3.90e-06	-5.00e-06
46	11	9.44e-03	-0.23	-0.06	3.05e-05	2.59e-06	-3.74e-06
46	14	-0.01	0.03	-0.10	-2.12e-06	-4.59e-06	-2.07e-06
46	15	-1.66e-04	-0.03	-0.09	5.43e-06	-1.35e-06	-1.44e-06
46	18	-7.56e-03	0.02	-0.10	-1.60e-06	-3.69e-06	-1.59e-06
46	27	6.26	0.06	-1.14	-1.80e-04	1.71e-03	-7.36e-05
46	33	-6.30	0.29	0.90	1.17e-04	-1.72e-03	7.07e-05
46	41	-1.91	0.60	0.13	-6.17e-05	-5.22e-04	1.58e-05
46	59	4.55	0.07	-0.86	-1.36e-04	1.24e-03	-5.41e-05
46	65	-4.59	0.24	0.62	8.03e-05	-1.26e-03	5.11e-05
46	73	-1.39	0.53	0.06	-6.23e-05	-3.82e-04	1.09e-05
46	83	-0.02	0.45	-0.16	-8.51e-05	-6.75e-06	-4.29e-06
46	85	-0.05	0.40	-0.16	-7.64e-05	-7.64e-05	1.88e-06
46	95	7.48	0.06	-1.34	-2.12e-04	2.04e-03	-8.75e-05
46	101	-7.52	0.34	1.09	1.42e-04	-2.06e-03	8.47e-05
46	109	-2.28	0.68	0.18	-6.67e-05	-6.23e-04	1.93e-05
47	1	-0.01	-0.60	-0.03	-9.01e-05	0.0	0.0
47	2	-0.08	-2.41	-0.02	-4.25e-04	-1.23e-05	0.0
47	9	-9.27e-03	-0.45	-0.03	-6.93e-05	0.0	0.0
47	10	-0.06	-1.65	-0.02	-2.92e-04	-8.41e-06	0.0
47	13	-0.01	-0.35	-0.05	-6.92e-05	-1.61e-06	0.0
47	14	-0.04	-0.95	-0.05	-1.81e-04	-5.89e-06	0.0
47	17	-0.01	-0.35	-0.05	-6.92e-05	-1.61e-06	0.0
47	18	-0.03	-0.71	-0.05	-1.36e-04	-4.18e-06	0.0
47	25	-10.72	-3.47e-03	-0.23	-2.53e-04	-1.86e-03	0.0
47	34	-14.41	-0.61	-0.11	-1.36e-04	-2.22e-03	0.0
47	44	3.04	-1.55	0.09	3.00e-05	5.14e-04	0.0
47	57	-7.80	-0.17	-0.19	-2.28e-04	-1.35e-03	0.0
47	66	-10.50	-0.67	-0.09	-1.30e-04	-1.62e-03	0.0
47	76	2.19	-1.41	0.07	6.93e-06	3.66e-04	0.0
47	85	0.09	-0.19	-0.13	-2.50e-04	2.97e-05	0.0
47	86	-0.14	-1.24	0.03	-2.20e-05	-3.81e-05	0.0
47	93	-12.84	0.13	-0.27	-2.74e-04	-2.23e-03	0.0
47	102	-17.20	-0.59	-0.12	-1.39e-04	-2.64e-03	0.0
47	112	3.65	-1.68	0.12	5.41e-05	6.19e-04	0.0
48	1	0.0	0.0	0.0	0.0	0.0	0.0
48	9	0.0	0.0	0.0	0.0	0.0	0.0
48	13	0.0	0.0	0.0	0.0	0.0	0.0
48	17	0.0	0.0	0.0	0.0	0.0	0.0
48	19	0.0	0.0	0.0	0.0	0.0	0.0
48	51	0.0	0.0	0.0	0.0	0.0	0.0
48	83	0.0	0.0	0.0	0.0	0.0	0.0
48	87	0.0	0.0	0.0	0.0	0.0	0.0
49	2	0.02	-0.04	-0.20	4.00e-05	7.48e-06	-1.24e-06
49	6	0.02	-0.20	-0.19	7.40e-05	8.17e-06	-1.01e-05
49	7	0.01	-0.30	-0.12	7.87e-05	5.16e-06	-1.60e-05
49	10	0.02	-0.02	-0.14	2.65e-05	5.02e-06	0.0
49	11	9.37e-03	-0.19	-0.11	5.20e-05	3.53e-06	-1.08e-05
49	12	0.02	-0.13	-0.14	4.91e-05	5.49e-06	-6.78e-06
49	14	6.10e-03	0.07	-0.11	-3.65e-06	1.67e-06	2.51e-06
49	18	4.21e-03	0.05	-0.10	-2.84e-06	1.11e-06	1.36e-06
49	24	10.97	0.13	0.16	6.60e-05	3.32e-03	2.64e-04
49	34	-9.03	-0.33	-0.43	3.89e-06	-2.87e-03	-2.40e-04
49	47	2.55	0.57	0.06	-1.11e-04	8.32e-04	1.01e-04
49	56	7.97	0.09	0.09	5.25e-05	2.41e-03	1.90e-04
49	66	-6.56	-0.25	-0.34	7.23e-06	-2.09e-03	-1.76e-04
49	79	1.83	0.50	0.03	-9.87e-05	6.03e-04	7.96e-05
49	85	-0.14	0.40	-0.04	-9.46e-05	-2.28e-05	2.63e-05
49	86	0.15	-0.30	-0.15	8.89e-05	2.50e-05	-2.36e-05

49	92	13.15	0.16	0.21	7.75e-05	3.98e-03	3.16e-04
49	102	-10.79	-0.40	-0.49	3.18e-06	-3.43e-03	-2.86e-04
49	115	3.05	0.65	0.09	-1.25e-04	9.94e-04	1.19e-04
50	1	0.0	0.0	0.0	0.0	0.0	0.0
50	9	0.0	0.0	0.0	0.0	0.0	0.0
50	13	0.0	0.0	0.0	0.0	0.0	0.0
50	17	0.0	0.0	0.0	0.0	0.0	0.0
50	19	0.0	0.0	0.0	0.0	0.0	0.0
50	51	0.0	0.0	0.0	0.0	0.0	0.0
50	83	0.0	0.0	0.0	0.0	0.0	0.0
50	87	0.0	0.0	0.0	0.0	0.0	0.0
51	1	0.0	0.0	0.0	0.0	0.0	0.0
51	9	0.0	0.0	0.0	0.0	0.0	0.0
51	13	0.0	0.0	0.0	0.0	0.0	0.0
51	17	0.0	0.0	0.0	0.0	0.0	0.0
51	19	0.0	0.0	0.0	0.0	0.0	0.0
51	51	0.0	0.0	0.0	0.0	0.0	0.0
51	83	0.0	0.0	0.0	0.0	0.0	0.0
51	87	0.0	0.0	0.0	0.0	0.0	0.0
52	5	0.03	-0.24	-0.14	0.0	5.53e-06	0.0
52	6	0.05	-0.19	-0.18	-6.58e-05	4.48e-06	0.0
52	11	0.02	-0.16	-0.10	-4.01e-06	3.58e-06	0.0
52	12	0.03	-0.12	-0.13	-4.74e-05	2.87e-06	0.0
52	14	9.19e-03	0.02	-0.08	-5.76e-05	-1.34e-06	0.0
52	15	5.55e-03	-0.03	-0.07	-2.20e-05	0.0	0.0
52	16	0.01	-0.02	-0.08	-4.07e-05	0.0	0.0
52	18	5.96e-03	0.01	-0.07	-4.52e-05	-1.14e-06	0.0
52	19	18.74	0.71	0.12	-1.53e-04	9.00e-04	0.0
52	22	-18.73	-0.68	-0.26	6.25e-05	-9.03e-04	0.0
52	24	18.78	0.50	0.06	-1.23e-04	9.12e-04	0.0
52	51	13.60	0.53	0.07	-1.26e-04	6.58e-04	0.0
52	54	-13.59	-0.51	-0.22	3.56e-05	-6.60e-04	0.0
52	56	13.63	0.36	0.02	-9.95e-05	6.68e-04	0.0
52	83	0.04	0.31	5.82e-03	-8.83e-05	2.47e-05	0.0
52	84	-0.03	-0.29	-0.15	-2.04e-06	-2.70e-05	0.0
52	86	0.14	-0.23	-0.14	-8.98e-06	5.59e-05	0.0
52	87	22.46	0.84	0.15	-1.73e-04	1.08e-03	0.0
52	90	-22.45	-0.81	-0.30	8.28e-05	-1.08e-03	0.0
52	92	22.51	0.61	0.09	-1.39e-04	1.09e-03	0.0
53	1	0.0	0.0	0.0	0.0	0.0	0.0
53	9	0.0	0.0	0.0	0.0	0.0	0.0
53	13	0.0	0.0	0.0	0.0	0.0	0.0
53	17	0.0	0.0	0.0	0.0	0.0	0.0
53	19	0.0	0.0	0.0	0.0	0.0	0.0
53	51	0.0	0.0	0.0	0.0	0.0	0.0
53	83	0.0	0.0	0.0	0.0	0.0	0.0
53	87	0.0	0.0	0.0	0.0	0.0	0.0
54	6	0.02	-0.29	-0.17	5.98e-05	8.18e-06	4.66e-05
54	7	0.01	-0.32	-0.12	6.36e-05	5.16e-06	3.40e-05
54	11	9.37e-03	-0.21	-0.11	4.20e-05	3.53e-06	2.42e-05
54	12	0.02	-0.19	-0.12	3.97e-05	5.49e-06	3.17e-05
54	14	6.10e-03	0.02	-0.09	-2.81e-06	1.68e-06	9.96e-06
54	15	2.97e-03	-0.03	-0.08	7.43e-06	0.0	8.50e-06
54	16	5.81e-03	-0.03	-0.09	6.47e-06	1.77e-06	1.17e-05
54	18	4.21e-03	0.02	-0.08	-2.16e-06	1.12e-06	7.81e-06
54	24	10.97	-0.32	-0.38	-6.68e-06	3.32e-03	2.98e-04
54	28	9.07	-0.36	-0.41	2.25e-06	2.88e-03	2.53e-04
54	41	-2.65	0.50	0.08	-1.00e-04	-8.54e-04	-1.05e-04
54	56	7.97	-0.24	-0.30	0.0	2.41e-03	2.21e-04
54	60	6.60	-0.28	-0.33	6.09e-06	2.09e-03	1.88e-04
54	73	-1.92	0.43	0.04	-9.08e-05	-6.20e-04	-8.05e-05
54	83	0.06	0.34	-0.03	-8.74e-05	7.76e-06	-2.60e-05
54	84	-0.05	-0.31	-0.14	8.30e-05	-5.52e-06	4.16e-05
54	86	0.15	-0.27	-0.13	7.33e-05	2.50e-05	5.58e-05
54	92	13.15	-0.37	-0.44	-9.41e-06	3.98e-03	3.54e-04
54	96	10.83	-0.43	-0.48	1.12e-06	3.44e-03	2.99e-04
54	109	-3.17	0.57	0.10	-1.13e-04	-1.02e-03	-1.24e-04
55	6	0.05	-0.43	-0.23	4.13e-05	6.90e-06	8.48e-05
55	7	0.03	-0.46	-0.17	4.51e-05	6.34e-06	6.18e-05
55	11	0.02	-0.30	-0.15	2.99e-05	4.13e-06	4.39e-05
55	12	0.03	-0.28	-0.17	2.75e-05	4.56e-06	5.77e-05
55	15	5.56e-03	-0.05	-0.12	5.61e-06	0.0	1.54e-05
55	16	0.01	-0.04	-0.13	4.58e-06	0.0	2.13e-05
55	18	5.97e-03	0.02	-0.12	-1.49e-06	0.0	1.42e-05
55	24	18.78	-0.05	-0.54	-1.16e-04	7.28e-04	5.42e-04

55	28	16.81	-0.12	-0.59	-1.09e-04	1.11e-03	4.59e-04
55	35	5.67	0.82	-0.15	-1.35e-04	2.51e-04	8.40e-05
55	56	13.63	-0.06	-0.43	-8.05e-05	5.40e-04	4.02e-04
55	60	12.23	-0.11	-0.47	-7.57e-05	8.07e-04	3.42e-04
55	67	4.12	0.73	-0.13	-1.13e-04	1.91e-04	5.32e-05
55	83	0.04	0.63	-0.05	-7.45e-05	3.22e-05	-4.73e-05
55	84	-0.03	-0.58	-0.19	7.15e-05	-3.23e-05	7.57e-05
55	86	0.14	-0.52	-0.19	6.62e-05	7.03e-05	1.01e-04
55	92	22.51	-0.05	-0.62	-1.41e-04	8.67e-04	6.44e-04
55	96	20.07	-0.13	-0.68	-1.32e-04	1.32e-03	5.44e-04
55	103	6.79	0.93	-0.17	-1.55e-04	2.98e-04	1.03e-04
56	2	0.03	-0.40	-0.31	3.81e-05	-2.94e-05	-3.28e-06
56	7	0.05	-0.69	-0.19	3.30e-05	-9.83e-06	-4.23e-05
56	8	0.05	-0.68	-0.25	4.28e-05	-2.00e-05	-2.63e-05
56	10	0.02	-0.27	-0.22	2.62e-05	-2.13e-05	-2.31e-06
56	11	0.03	-0.46	-0.17	2.40e-05	-2.85e-05	-2.85e-05
56	12	0.03	-0.45	-0.22	3.06e-05	-1.76e-05	-1.79e-05
56	13	-5.02e-03	7.76e-04	-0.15	6.12e-06	-1.27e-05	0.0
56	14	-4.04e-03	5.28e-03	-0.18	1.08e-05	-1.75e-05	6.62e-06
56	15	2.39e-03	-0.09	-0.15	9.70e-06	-1.23e-05	-6.48e-06
56	17	-5.02e-03	7.76e-04	-0.15	6.12e-06	-1.27e-05	0.0
56	18	-4.43e-03	3.48e-03	-0.17	8.93e-06	-1.56e-05	3.58e-06
56	33	-18.24	0.98	-0.60	-1.85e-04	-2.94e-04	-5.84e-04
56	34	-18.08	0.36	-0.64	-1.55e-04	-2.99e-04	-6.32e-04
56	45	-5.73	1.27	-0.20	-9.68e-05	-8.34e-05	-1.31e-04
56	65	-13.29	0.77	-0.48	-1.35e-04	-2.18e-04	-4.19e-04
56	66	-13.14	0.21	-0.52	-1.08e-04	-2.23e-04	-4.63e-04
56	77	-4.19	1.08	-0.18	-7.56e-05	-3.77e-05	-7.93e-05
56	85	-0.22	0.83	-0.10	-3.07e-05	-8.34e-06	6.93e-05
56	86	0.21	-0.82	-0.23	4.86e-05	-2.29e-05	-6.21e-05
56	93	-21.84	1.25	-0.61	-2.31e-04	-1.73e-04	-8.27e-04
56	102	-21.59	0.45	-0.73	-1.88e-04	-3.54e-04	-7.54e-04
56	113	-6.85	1.45	-0.22	-1.15e-04	-5.32e-05	-1.63e-04
57	6	0.05	-0.59	-0.26	4.61e-05	0.0	1.23e-04
57	7	0.05	-0.64	-0.19	4.86e-05	1.36e-05	8.96e-05
57	8	0.05	-0.59	-0.21	4.54e-05	0.0	1.19e-04
57	11	0.03	-0.42	-0.17	3.32e-05	1.09e-05	6.37e-05
57	12	0.03	-0.39	-0.19	3.11e-05	1.30e-06	8.36e-05
57	13	-4.64e-03	9.84e-03	-0.14	2.51e-06	5.44e-06	1.21e-05
57	15	2.98e-03	-0.08	-0.14	8.66e-06	6.53e-06	2.24e-05
57	16	3.60e-03	-0.06	-0.15	7.73e-06	2.43e-06	3.09e-05
57	17	-4.64e-03	9.84e-03	-0.14	2.51e-06	5.44e-06	1.21e-05
57	18	-4.02e-03	0.02	-0.14	1.59e-06	1.34e-06	2.06e-05
57	28	18.12	0.37	-0.62	-1.58e-04	2.85e-04	6.66e-04
57	33	-18.24	-0.35	0.34	1.61e-04	-2.83e-04	-6.40e-04
57	35	5.55	1.28	-0.17	-1.19e-04	3.44e-05	1.22e-04
57	60	13.18	0.23	-0.50	-1.11e-04	2.08e-04	4.95e-04
57	65	-13.29	-0.21	0.21	1.14e-04	-2.07e-04	-4.67e-04
57	67	4.04	1.10	-0.15	-9.64e-05	2.53e-05	7.71e-05
57	83	0.08	0.85	-0.07	-5.02e-05	-4.27e-06	-6.86e-05
57	84	-0.09	-0.80	-0.21	5.34e-05	6.95e-06	1.10e-04
57	85	-0.21	0.78	-0.08	-5.14e-05	-7.53e-06	-1.06e-04
57	93	-21.84	-0.53	0.36	2.01e-04	-1.63e-04	-8.93e-04
57	96	21.64	0.46	-0.72	-1.90e-04	3.39e-04	7.89e-04
57	103	6.65	1.46	-0.19	-1.39e-04	4.10e-05	1.49e-04
58	6	0.05	-0.21	-0.20	4.13e-05	-1.02e-06	0.0
58	7	0.05	-0.34	-0.14	3.96e-05	5.13e-06	0.0
58	8	0.06	-0.22	-0.18	4.39e-05	0.0	0.0
58	11	0.03	-0.21	-0.11	2.35e-05	2.77e-06	0.0
58	12	0.04	-0.13	-0.14	2.64e-05	0.0	0.0
58	13	-4.53e-03	0.05	-0.07	-8.56e-06	-1.93e-06	0.0
58	14	-3.42e-03	0.11	-0.09	-6.51e-06	-4.58e-06	0.0
58	17	-4.53e-03	0.05	-0.07	-8.56e-06	-1.93e-06	0.0
58	18	-3.86e-03	0.08	-0.08	-7.33e-06	-3.52e-06	0.0
58	19	18.16	1.24	0.12	-1.47e-04	-7.41e-04	0.0
58	22	-18.17	-1.07	-0.29	1.33e-04	7.34e-04	0.0
58	33	-18.23	-0.35	-0.15	4.68e-05	1.79e-04	0.0
58	51	13.18	0.95	0.07	-1.12e-04	-5.48e-04	0.0
58	54	-13.19	-0.79	-0.24	9.77e-05	5.41e-04	0.0
58	65	-13.27	-0.21	-0.13	2.92e-05	1.37e-04	0.0
58	83	0.08	0.57	2.36e-04	-6.31e-05	-1.89e-05	0.0
58	84	-0.09	-0.40	-0.17	4.84e-05	1.18e-05	0.0
58	85	-0.21	0.48	-0.01	-5.33e-05	-3.66e-05	0.0
58	87	21.76	1.46	0.16	-1.74e-04	-8.84e-04	0.0
58	90	-21.77	-1.29	-0.33	1.59e-04	8.77e-04	0.0

58	93	-21.83	-0.92	-0.26	1.16e-04	8.55e-04	0.0
59	2	-0.14	-4.15e-03	-0.18	-6.90e-04	-1.51e-05	0.0
59	7	2.86e-03	-0.35	-0.01	-3.49e-04	-4.24e-06	0.0
59	10	-0.10	3.73e-03	-0.13	-4.70e-04	-1.05e-05	0.0
59	11	-7.06e-03	-0.21	-0.04	-2.59e-04	-4.03e-06	0.0
59	14	-0.07	0.11	-0.12	-2.20e-04	-6.93e-06	0.0
59	18	-0.05	0.08	-0.11	-1.63e-04	-5.60e-06	0.0
59	19	14.93	1.24	-0.33	-3.31e-04	-3.77e-04	0.0
59	34	-17.02	-0.64	0.03	-5.64e-05	6.29e-04	0.0
59	51	10.81	0.95	-0.27	-2.92e-04	-2.97e-04	0.0
59	66	-12.41	-0.47	-5.41e-03	-7.95e-05	4.60e-04	0.0
59	83	-0.17	0.57	-0.20	-2.86e-04	-3.15e-05	0.0
59	86	-0.32	-0.31	-0.04	-6.85e-05	-6.29e-05	0.0
59	87	17.90	1.46	-0.37	-3.62e-04	-4.41e-04	0.0
59	102	-20.31	-0.77	0.05	-3.79e-05	7.51e-04	0.0
60	2	-0.14	-0.31	-0.23	5.76e-04	2.57e-06	1.05e-04
60	7	3.95e-03	-0.65	-0.10	-2.30e-03	0.0	8.98e-05
60	10	-0.10	-0.21	-0.17	4.31e-04	4.44e-06	7.19e-05
60	11	-6.29e-03	-0.43	-0.10	-1.41e-03	6.92e-06	6.39e-05
60	14	-0.07	0.03	-0.14	9.22e-04	1.65e-05	2.66e-05
60	15	-0.02	-0.08	-0.10	0.0	1.78e-05	2.26e-05
60	18	-0.05	0.02	-0.13	6.94e-04	1.81e-05	2.08e-05
60	25	-14.98	-0.38	-0.16	1.12e-03	9.30e-05	-7.11e-04
60	34	-17.03	-0.88	-0.13	7.37e-04	4.73e-05	-5.07e-04
60	35	4.31	1.27	-0.12	1.17e-03	1.89e-05	1.13e-04
60	57	-10.87	-0.23	-0.15	1.02e-03	7.47e-05	-5.17e-04
60	66	-12.42	-0.68	-0.13	7.16e-04	3.95e-05	-3.57e-04
60	67	3.09	1.09	-0.12	1.07e-03	2.10e-05	7.09e-05
60	83	-0.17	0.85	-0.13	1.07e-03	3.45e-05	-6.77e-05
60	85	0.21	0.78	-0.13	1.14e-03	3.43e-05	-1.05e-04
60	86	-0.31	-0.73	-0.12	2.49e-04	1.85e-06	1.47e-04
60	93	-17.95	-0.48	-0.17	1.20e-03	1.07e-04	-8.53e-04
60	102	-20.31	-1.04	-0.13	7.51e-04	5.30e-05	-6.12e-04
60	103	5.19	1.44	-0.12	1.24e-03	1.80e-05	1.39e-04
61	2	-0.06	-0.31	-0.17	4.58e-06	-2.44e-06	3.88e-05
61	7	0.03	-0.64	-0.08	2.12e-05	6.22e-06	1.08e-05
61	10	-0.05	-0.21	-0.13	4.75e-06	0.0	2.65e-05
61	11	0.01	-0.42	-0.09	1.84e-05	8.71e-06	8.85e-06
61	14	-0.04	0.03	-0.14	7.06e-06	8.43e-06	1.45e-05
61	15	-0.01	-0.08	-0.12	1.39e-05	1.27e-05	5.70e-06
61	18	-0.03	0.02	-0.13	9.33e-06	1.05e-05	1.07e-05
61	31	17.11	0.95	-1.48	2.05e-04	1.28e-04	2.39e-04
61	33	-17.26	-0.34	1.17	-1.92e-04	-1.01e-04	-2.92e-04
61	35	4.79	1.27	-0.59	5.19e-05	4.68e-05	2.71e-04
61	59	12.47	0.77	-1.12	1.51e-04	9.64e-05	2.19e-04
61	65	-12.57	-0.20	0.81	-1.37e-04	-7.04e-05	-2.16e-04
61	67	3.46	1.10	-0.48	3.88e-05	3.82e-05	2.09e-04
61	83	-0.06	0.85	-0.20	1.76e-06	1.74e-05	5.56e-05
61	85	-0.13	0.78	-0.20	2.44e-06	1.86e-05	-8.76e-05
61	99	20.44	1.11	-1.74	2.43e-04	1.51e-04	2.85e-04
61	101	-20.60	-0.43	1.43	-2.30e-04	-1.22e-04	-3.48e-04
61	103	5.75	1.45	-0.67	6.09e-05	5.34e-05	3.19e-04
62	2	-0.06	-0.40	-0.18	8.02e-06	-2.01e-05	3.81e-05
62	7	0.03	-0.69	-0.08	1.43e-05	-1.24e-05	1.00e-05
62	10	-0.05	-0.27	-0.14	7.12e-06	-1.58e-05	2.60e-05
62	11	0.01	-0.46	-0.09	1.40e-05	-1.44e-05	8.27e-06
62	14	-0.04	5.52e-03	-0.14	1.00e-05	-1.82e-05	1.44e-05
62	15	-0.01	-0.09	-0.12	1.35e-05	-1.75e-05	5.50e-06
62	18	-0.03	3.72e-03	-0.14	1.14e-05	-1.83e-05	1.06e-05
62	29	-17.23	0.97	-1.49	2.06e-04	-1.43e-04	-2.38e-04
62	33	-17.26	0.97	-1.49	2.06e-04	-1.43e-04	-2.92e-04
62	45	-5.03	1.26	-0.59	5.42e-05	-6.59e-05	-3.17e-04
62	61	-12.55	0.75	-1.12	1.53e-04	-1.10e-04	-1.69e-04
62	65	-12.57	0.75	-1.12	1.52e-04	-1.10e-04	-2.16e-04
62	77	-3.66	1.08	-0.47	4.11e-05	-5.53e-05	-2.47e-04
62	83	-0.06	0.83	-0.20	4.48e-06	-2.71e-05	5.54e-05
62	85	-0.13	0.83	-0.19	4.09e-06	-2.85e-05	-8.76e-05
62	97	-20.57	1.13	-1.75	2.44e-04	-1.66e-04	-2.87e-04
62	101	-20.61	1.14	-1.75	2.44e-04	-1.67e-04	-3.49e-04
62	113	-6.02	1.44	-0.67	6.32e-05	-7.43e-05	-3.74e-04
63	2	-0.14	-0.40	-0.26	-3.48e-03	-1.24e-05	-5.99e-06
63	7	5.64e-03	-0.69	-0.12	-2.15e-03	-1.46e-05	-4.63e-05
63	10	-0.10	-0.27	-0.19	-2.37e-03	-1.37e-05	-4.15e-06
63	11	-5.12e-03	-0.46	-0.12	-1.56e-03	-1.74e-05	-3.12e-05
63	14	-0.07	5.17e-03	-0.15	-1.03e-03	-1.88e-05	6.37e-06

63	15	-0.02	-0.09	-0.11	-6.28e-04	-2.18e-05	-7.17e-06
63	18	-0.05	3.50e-03	-0.13	-7.79e-04	-2.04e-05	3.36e-06
63	22	-15.04	0.39	-0.17	-1.10e-03	1.03e-04	-7.15e-04
63	34	-17.02	0.32	-0.13	-1.06e-03	2.59e-05	-5.98e-04
63	45	-4.22	1.25	-0.13	-1.07e-04	-4.98e-06	-1.20e-04
63	54	-10.92	0.24	-0.16	-1.02e-03	7.18e-05	-5.23e-04
63	66	-12.42	0.18	-0.13	-9.93e-04	1.59e-05	-4.38e-04
63	77	-3.03	1.07	-0.13	-2.57e-04	-1.22e-05	-7.17e-05
63	84	0.06	-0.82	-0.14	-1.33e-03	-4.26e-06	-8.96e-05
63	85	0.21	0.83	-0.13	-3.00e-04	-3.65e-05	6.97e-05
63	86	-0.31	-0.82	-0.14	-1.26e-03	-4.38e-06	-6.30e-05
63	90	-18.01	0.49	-0.18	-1.15e-03	1.26e-04	-8.55e-04
63	102	-20.31	0.40	-0.13	-1.11e-03	3.40e-05	-7.13e-04
63	113	-5.07	1.44	-0.13	3.68e-06	0.0	-1.51e-04
64	1	-0.01	-0.23	-0.04	5.80e-06	-1.30e-06	0.0
64	2	-0.14	-0.23	-0.01	5.61e-04	-1.17e-05	0.0
64	8	-0.08	-0.41	0.03	2.51e-04	-5.95e-06	0.0
64	9	-0.01	-0.15	-0.03	2.07e-05	-1.26e-06	0.0
64	10	-0.10	-0.15	-0.02	3.91e-04	-8.17e-06	0.0
64	12	-0.06	-0.26	3.87e-04	2.10e-04	-4.96e-06	0.0
64	13	-0.03	0.02	-0.06	1.26e-04	-2.97e-06	0.0
64	14	-0.07	0.02	-0.05	3.11e-04	-6.43e-06	0.0
64	16	-0.05	-0.04	-0.05	2.02e-04	-4.48e-06	0.0
64	17	-0.03	0.02	-0.06	1.26e-04	-2.97e-06	0.0
64	18	-0.05	0.02	-0.06	2.37e-04	-5.05e-06	0.0
64	25	-14.97	1.21	-0.28	5.50e-05	5.46e-04	0.0
64	34	-17.01	0.40	-0.13	2.20e-04	4.11e-04	0.0
64	57	-10.87	0.92	-0.23	9.74e-05	4.15e-04	0.0
64	66	-12.41	0.27	-0.11	2.32e-04	3.00e-04	0.0
64	85	0.21	0.55	-0.16	9.08e-05	7.03e-05	0.0
64	86	-0.31	-0.51	0.04	3.84e-04	-8.04e-05	0.0
64	93	-17.94	1.43	-0.32	2.15e-05	6.48e-04	0.0
64	102	-20.30	0.49	-0.15	2.15e-04	4.91e-04	0.0
65	1	7.64e-03	-0.05	-0.03	4.88e-05	0.0	0.0
65	2	7.63e-03	-0.04	-0.05	3.94e-05	-5.36e-06	-1.20e-06
65	7	4.28e-03	-0.10	-0.01	8.38e-05	1.29e-06	-1.18e-06
65	9	6.06e-03	-0.03	-0.03	3.22e-05	0.0	0.0
65	10	6.05e-03	-0.02	-0.04	2.60e-05	-3.81e-06	0.0
65	11	5.27e-03	-0.07	-0.02	5.51e-05	0.0	0.0
65	13	7.25e-03	0.01	-0.04	-2.15e-06	-1.78e-06	0.0
65	14	7.25e-03	0.02	-0.04	-5.27e-06	-3.41e-06	0.0
65	17	7.25e-03	0.01	-0.04	-2.15e-06	-1.78e-06	0.0
65	18	7.25e-03	0.02	-0.04	-4.02e-06	-2.76e-06	0.0
65	27	1.49	-0.06	-0.49	-4.75e-05	1.16e-03	-2.41e-05
65	31	1.50	-0.07	-0.49	-4.40e-05	1.15e-03	-2.25e-05
65	41	-0.43	0.21	0.05	-1.08e-04	-3.56e-04	4.29e-06
65	59	1.09	-0.03	-0.37	-4.16e-05	8.40e-04	-1.76e-05
65	63	1.09	-0.04	-0.37	-3.82e-05	8.38e-04	-1.64e-05
65	73	-0.31	0.18	0.02	-9.60e-05	-2.61e-04	2.93e-06
65	83	0.02	0.14	-0.07	-8.92e-05	-6.84e-06	-1.92e-06
65	85	0.02	0.12	-0.07	-7.91e-05	-1.16e-05	1.87e-06
65	95	1.78	-0.08	-0.58	-5.37e-05	1.38e-03	-2.87e-05
65	99	1.78	-0.09	-0.58	-4.98e-05	1.38e-03	-2.69e-05
65	109	-0.51	0.23	0.08	-1.22e-04	-4.25e-04	5.24e-06
66	2	6.32e-03	-0.02	-0.09	7.79e-06	5.68e-06	0.0
66	6	6.20e-03	-0.08	-0.09	4.87e-05	5.66e-06	-4.59e-06
66	7	3.22e-03	-0.11	-0.06	7.19e-05	3.03e-06	-7.29e-06
66	10	4.27e-03	-0.01	-0.07	4.09e-06	3.84e-06	0.0
66	11	2.30e-03	-0.07	-0.06	4.52e-05	2.15e-06	-4.92e-06
66	12	4.20e-03	-0.05	-0.07	3.14e-05	3.82e-06	-3.08e-06
66	14	1.81e-03	0.02	-0.05	-1.81e-05	1.58e-06	1.14e-06
66	18	1.27e-03	0.01	-0.04	-1.42e-05	1.10e-06	0.0
66	24	3.13	0.20	0.08	-5.34e-05	2.76e-03	1.20e-04
66	31	2.50	0.32	0.12	-1.32e-04	2.23e-03	1.10e-04
66	34	-2.49	-0.29	-0.21	1.03e-04	-2.23e-03	-1.09e-04
66	56	2.28	0.14	0.05	-3.75e-05	2.01e-03	8.64e-05
66	63	1.81	0.25	0.08	-1.05e-04	1.62e-03	8.11e-05
66	66	-1.81	-0.22	-0.17	7.64e-05	-1.62e-03	-7.99e-05
66	85	-0.06	0.15	-0.01	-1.05e-04	-4.74e-05	-1.19e-05
66	86	0.07	-0.12	-0.08	7.66e-05	4.96e-05	-1.07e-05
66	92	3.75	0.24	0.11	-6.33e-05	3.31e-03	1.44e-04
66	99	2.98	0.38	0.16	-1.52e-04	2.66e-03	1.31e-04
66	102	-2.98	-0.35	-0.25	1.24e-04	-2.66e-03	-1.30e-04
67	2	-0.02	0.01	-0.06	5.49e-06	-2.39e-06	1.20e-06
67	7	-1.90e-03	-0.10	-0.01	7.66e-05	1.07e-06	1.18e-06

67	10	-0.01	0.01	-0.04	2.63e-06	-1.57e-06	0.0
67	11	-4.39e-03	-0.06	-0.02	4.85e-05	0.0	0.0
67	14	-0.01	0.04	-0.05	-1.94e-05	0.0	0.0
67	18	-0.01	0.03	-0.04	-1.48e-05	0.0	0.0
67	29	-1.42	-0.04	-0.49	9.90e-05	-8.83e-04	-2.21e-05
67	33	-1.42	-0.04	-0.49	9.79e-05	-8.87e-04	-2.37e-05
67	47	0.39	0.24	0.05	-1.78e-04	2.56e-04	4.37e-06
67	61	-1.03	-0.02	-0.37	6.30e-05	-6.43e-04	-1.60e-05
67	65	-1.04	-0.01	-0.37	6.21e-05	-6.46e-04	-1.73e-05
67	79	0.28	0.21	0.02	-1.50e-04	1.86e-04	2.93e-06
67	83	-0.02	0.16	-0.07	-1.05e-04	2.34e-06	1.92e-06
67	85	-0.02	0.16	-0.07	-1.08e-04	-6.65e-06	-1.87e-06
67	97	-1.69	-0.06	-0.58	1.23e-04	-1.05e-03	-2.65e-05
67	101	-1.69	-0.06	-0.57	1.22e-04	-1.06e-03	-2.83e-05
67	115	0.47	0.27	0.07	-2.02e-04	3.06e-04	5.29e-06
68	2	6.32e-03	-0.06	-0.08	3.14e-05	5.68e-06	1.81e-05
68	5	3.36e-03	-0.12	-0.08	7.13e-05	3.14e-06	1.61e-05
68	6	6.21e-03	-0.11	-0.09	6.48e-05	5.66e-06	2.12e-05
68	10	4.27e-03	-0.04	-0.06	2.04e-05	3.83e-06	1.23e-05
68	11	2.30e-03	-0.08	-0.06	4.70e-05	2.15e-06	1.10e-05
68	12	4.20e-03	-0.08	-0.06	4.27e-05	3.82e-06	1.44e-05
68	14	1.81e-03	1.78e-03	-0.04	-7.11e-06	1.58e-06	4.53e-06
68	15	8.24e-04	-0.02	-0.04	6.19e-06	0.0	3.86e-06
68	16	1.64e-03	-0.02	-0.04	4.34e-06	1.45e-06	5.33e-06
68	17	4.55e-04	-2.07e-03	-0.04	-4.01e-06	0.0	2.08e-06
68	18	1.27e-03	2.37e-04	-0.04	-5.87e-06	1.10e-06	3.55e-06
68	24	3.13	-0.28	-0.19	9.76e-05	2.76e-03	1.35e-04
68	28	2.51	-0.30	-0.21	1.10e-04	2.24e-03	1.15e-04
68	29	-2.51	0.30	0.13	-1.22e-04	-2.24e-03	-1.08e-04
68	56	2.28	-0.21	-0.15	7.35e-05	2.01e-03	1.00e-04
68	60	1.83	-0.23	-0.16	8.35e-05	1.63e-03	8.54e-05
68	61	-1.82	0.23	0.08	-9.52e-05	-1.63e-03	-7.83e-05
68	83	0.03	0.12	-9.05e-03	-8.91e-05	2.16e-05	-1.18e-05
68	84	-0.03	-0.12	-0.07	7.74e-05	-1.94e-05	1.89e-05
68	86	0.07	-0.10	-0.07	6.68e-05	4.96e-05	2.54e-05
68	92	3.75	-0.33	-0.22	1.16e-04	3.31e-03	1.61e-04
68	96	3.00	-0.36	-0.24	1.31e-04	2.67e-03	1.36e-04
68	97	-3.00	0.36	0.16	-1.42e-04	-2.67e-03	-1.29e-04
69	2	-3.99e-03	-0.09	-0.08	4.06e-05	-8.63e-06	-3.10e-06
69	5	6.11e-03	-0.20	-0.04	7.67e-05	1.25e-06	-2.56e-06
69	7	5.52e-03	-0.20	-0.03	7.66e-05	2.32e-06	-2.44e-06
69	10	-2.39e-03	-0.06	-0.06	2.71e-05	-6.23e-06	-6.12e-06
69	11	4.34e-03	-0.13	-0.04	5.12e-05	0.0	-1.76e-06
69	14	-9.20e-04	0.02	-0.07	-1.53e-06	-6.07e-06	0.0
69	15	2.45e-03	-0.02	-0.05	1.05e-05	-2.78e-06	0.0
69	17	1.97e-03	0.01	-0.06	0.0	-3.56e-06	0.0
69	18	2.38e-04	0.02	-0.06	0.0	-5.07e-06	0.0
69	27	2.64	-0.14	-0.74	4.19e-05	1.01e-03	-4.00e-05
69	32	2.65	-0.29	-0.71	1.01e-04	1.02e-03	-4.01e-05
69	41	-0.80	0.36	0.08	-1.26e-04	-3.16e-04	7.99e-06
69	59	1.92	-0.08	-0.56	2.55e-05	7.34e-04	-2.93e-05
69	64	1.93	-0.22	-0.53	7.72e-05	7.38e-04	-2.95e-05
69	73	-0.59	0.31	0.03	-1.09e-04	-2.32e-04	5.47e-06
69	83	-8.22e-03	0.24	-0.11	-8.32e-05	-8.89e-06	-2.68e-06
69	86	0.02	-0.18	-0.02	7.20e-05	1.96e-06	-3.24e-06
69	95	3.15	-0.17	-0.87	5.21e-05	1.21e-03	-4.76e-05
69	100	3.16	-0.35	-0.83	1.19e-04	1.21e-03	-4.78e-05
69	109	-0.96	0.41	0.11	-1.44e-04	-3.76e-04	9.75e-06
70	2	0.01	-0.02	-0.15	2.45e-06	7.26e-06	0.0
70	7	7.66e-03	-0.19	-0.10	7.72e-05	4.30e-06	-1.17e-05
70	10	9.60e-03	-0.01	-0.11	0.0	4.89e-06	0.0
70	11	5.42e-03	-0.12	-0.09	4.77e-05	3.00e-06	-7.87e-06
70	14	3.93e-03	0.05	-0.08	-2.32e-05	1.87e-06	1.83e-06
70	18	2.73e-03	0.04	-0.07	-1.84e-05	1.29e-06	0.0
70	24	6.89	0.18	0.13	3.99e-05	3.38e-03	1.92e-04
70	34	-5.57	-0.32	-0.33	-3.12e-06	-2.81e-03	-1.74e-04
70	47	1.54	0.42	0.06	-1.29e-04	8.00e-04	7.38e-05
70	56	5.01	0.13	0.07	2.92e-05	2.46e-03	1.38e-04
70	66	-4.05	-0.24	-0.26	-2.41e-06	-2.04e-03	-1.28e-04
70	79	1.10	0.36	0.03	-1.16e-04	5.77e-04	5.79e-05
70	85	-0.11	0.27	-0.03	-1.10e-04	-3.50e-05	1.91e-05
70	86	0.12	-0.20	-0.12	7.30e-05	3.76e-05	-1.71e-05
70	92	8.26	0.22	0.17	4.93e-05	4.05e-03	2.30e-04
70	102	-6.65	-0.38	-0.38	-2.08e-06	-3.35e-03	-2.08e-04
70	115	1.84	0.47	0.08	-1.44e-04	9.57e-04	8.64e-05

71	2	-0.01	-7.77e-03	-0.09	2.50e-05	-2.10e-06	2.04e-06
71	7	1.17e-03	-0.19	-0.02	7.72e-05	2.62e-06	1.95e-06
71	10	-0.01	-1.88e-03	-0.07	1.63e-05	-1.26e-06	1.40e-06
71	11	-1.05e-03	-0.12	-0.03	5.05e-05	2.08e-06	1.40e-06
71	14	-9.31e-03	0.05	-0.07	-9.31e-06	0.0	0.0
71	18	-7.79e-03	0.04	-0.07	-6.73e-06	0.0	0.0
71	29	-2.58	-0.11	-0.74	-8.92e-05	-1.29e-03	-3.56e-05
71	33	-2.58	-0.11	-0.74	-9.00e-05	-1.29e-03	-3.80e-05
71	47	0.74	0.42	0.08	-1.04e-04	4.01e-04	7.18e-06
71	61	-1.88	-0.05	-0.56	-7.18e-05	-9.41e-04	-2.57e-05
71	65	-1.88	-0.05	-0.56	-7.24e-05	-9.40e-04	-2.77e-05
71	79	0.53	0.36	0.03	-9.38e-05	2.93e-04	4.84e-06
71	83	-0.02	0.27	-0.11	-9.29e-05	3.95e-06	3.03e-06
71	85	-0.03	0.28	-0.11	-9.48e-05	8.75e-06	-2.89e-06
71	97	-3.07	-0.14	-0.88	-1.03e-04	-1.55e-03	-4.26e-05
71	101	-3.08	-0.14	-0.88	-1.04e-04	-1.54e-03	-4.54e-05
71	115	0.88	0.47	0.11	-1.16e-04	4.79e-04	8.67e-06
72	2	0.01	-0.10	-0.12	4.03e-05	7.25e-06	2.89e-05
72	6	0.01	-0.19	-0.13	8.17e-05	7.49e-06	3.39e-05
72	7	7.66e-03	-0.21	-0.10	9.04e-05	4.30e-06	2.47e-05
72	10	9.60e-03	-0.06	-0.09	2.61e-05	4.89e-06	1.97e-05
72	11	5.42e-03	-0.14	-0.08	5.83e-05	3.00e-06	1.76e-05
72	12	9.60e-03	-0.12	-0.09	5.37e-05	5.05e-06	2.31e-05
72	14	3.93e-03	0.01	-0.07	-9.05e-06	1.87e-06	7.25e-06
72	15	1.84e-03	-0.02	-0.06	7.06e-06	0.0	6.18e-06
72	16	3.63e-03	-0.02	-0.07	5.08e-06	1.80e-06	8.53e-06
72	18	2.73e-03	0.01	-0.06	-7.73e-06	1.28e-06	5.68e-06
72	24	6.89	-0.30	-0.29	1.13e-06	3.38e-03	2.17e-04
72	28	5.60	-0.34	-0.32	7.73e-06	2.82e-03	1.84e-04
72	41	-1.62	0.37	0.06	-1.12e-04	-8.27e-04	-7.62e-05
72	56	5.01	-0.23	-0.23	2.83e-06	2.46e-03	1.61e-04
72	60	4.07	-0.26	-0.25	8.22e-06	2.05e-03	1.37e-04
72	73	-1.17	0.31	0.04	-1.00e-04	-5.99e-04	-5.85e-05
72	83	0.05	0.23	-0.02	-9.45e-05	1.56e-05	-1.89e-05
72	84	-0.05	-0.21	-0.11	7.91e-05	-1.31e-05	3.03e-05
72	86	0.12	-0.18	-0.10	7.01e-05	3.76e-05	4.06e-05
72	92	8.26	-0.36	-0.34	1.14e-06	4.05e-03	2.58e-04
72	96	6.69	-0.40	-0.37	8.85e-06	3.37e-03	2.18e-04
72	97	-6.68	0.42	0.24	-2.43e-05	-3.36e-03	-2.06e-04
73	2	-0.01	-0.13	-0.11	3.11e-05	-4.55e-06	-5.12e-06
73	4	-0.01	-0.13	-0.08	3.19e-05	-4.19e-06	-4.94e-06
73	7	0.01	-0.29	-0.04	6.23e-05	4.05e-06	-3.75e-06
73	10	-6.87e-03	-0.08	-0.08	2.04e-05	-3.19e-06	-3.50e-06
73	11	6.81e-03	-0.19	-0.05	4.07e-05	2.30e-06	-2.71e-06
73	14	-5.29e-03	0.02	-0.09	-4.00e-06	-3.25e-06	-1.44e-06
73	15	1.55e-03	-0.03	-0.07	6.15e-06	0.0	-1.04e-06
73	18	-3.08e-03	0.02	-0.08	-3.40e-06	-2.43e-06	-1.11e-06
73	27	4.17	-0.08	-0.95	-7.70e-05	1.46e-03	-5.60e-05
73	33	-4.19	0.35	0.75	9.33e-06	-1.47e-03	5.40e-05
73	41	-1.27	0.49	0.11	-9.83e-05	-4.46e-04	1.18e-05
73	59	3.03	-0.03	-0.72	-6.22e-05	1.06e-03	-4.11e-05
73	65	-3.05	0.27	0.52	1.42e-06	-1.07e-03	3.91e-05
73	73	-0.93	0.42	0.05	-8.98e-05	-3.26e-04	8.06e-06
73	83	-0.01	0.34	-0.13	-8.93e-05	-5.60e-06	-3.44e-06
73	85	-0.03	0.30	-0.13	-7.95e-05	-1.14e-05	1.88e-06
73	95	4.98	-0.10	-1.12	-8.92e-05	1.75e-03	-6.67e-05
73	101	-5.01	0.40	0.91	1.35e-05	-1.76e-03	6.47e-05
73	109	-1.52	0.55	0.15	-1.10e-04	-5.32e-04	1.44e-05
74	2	-0.05	-0.28	-0.17	2.73e-05	-9.11e-06	-7.33e-06
74	7	0.03	-0.58	-0.07	5.16e-05	0.0	-5.18e-06
74	10	-0.04	-0.18	-0.13	1.85e-05	-6.39e-06	-5.00e-06
74	11	0.01	-0.38	-0.09	3.52e-05	0.0	-3.74e-06
74	14	-0.03	0.03	-0.13	0.0	-4.79e-06	-2.07e-06
74	15	-8.57e-03	-0.06	-0.11	9.01e-06	-2.09e-06	-1.44e-06
74	18	-0.03	0.03	-0.13	1.39e-06	-3.82e-06	-1.59e-06
74	31	14.75	0.74	-1.47	-1.77e-04	1.96e-03	-7.10e-05
74	33	-14.88	-0.17	1.16	1.37e-04	-1.98e-03	7.07e-05
74	35	4.12	1.14	-0.59	-1.19e-04	5.62e-04	-2.68e-05
74	59	10.75	0.61	-1.11	-1.32e-04	1.43e-03	-5.41e-05
74	65	-10.84	-0.08	0.81	9.69e-05	-1.44e-03	5.11e-05
74	67	2.98	0.99	-0.47	-9.71e-05	4.07e-04	-2.01e-05
74	83	-0.05	0.79	-0.20	-5.52e-05	0.0	-4.29e-06
74	85	-0.11	0.71	-0.19	-5.50e-05	-1.51e-05	1.88e-06
74	99	17.62	0.86	-1.73	-2.10e-04	2.34e-03	-8.46e-05
74	101	-17.76	-0.23	1.42	1.65e-04	-2.36e-03	8.47e-05

74	103	4.95	1.29	-0.67	-1.38e-04	6.74e-04	-3.17e-05
75	2	-0.02	-0.04	-0.11	3.73e-05	-6.09e-06	4.06e-06
75	7	4.37e-03	-0.28	-0.03	7.56e-05	3.56e-06	3.26e-06
75	10	-0.02	-0.03	-0.09	2.45e-05	-4.33e-06	2.78e-06
75	11	4.24e-04	-0.18	-0.05	4.94e-05	1.70e-06	2.35e-06
75	14	-0.01	0.06	-0.09	-4.92e-06	-4.30e-06	1.10e-06
75	18	-0.01	0.05	-0.09	-4.12e-06	-3.39e-06	0.0
75	29	-4.23	-0.03	-0.95	-7.77e-05	-1.47e-03	-5.05e-05
75	33	-4.24	-0.02	-0.95	-7.85e-05	-1.47e-03	-5.32e-05
75	47	1.21	0.55	0.10	-1.07e-04	4.22e-04	1.18e-05
75	61	-3.08	0.01	-0.72	-6.29e-05	-1.07e-03	-3.64e-05
75	65	-3.09	0.02	-0.72	-6.35e-05	-1.07e-03	-3.86e-05
75	79	0.88	0.48	0.04	-9.64e-05	3.06e-04	8.26e-06
75	83	-0.02	0.39	-0.14	-9.32e-05	-6.57e-06	3.75e-06
75	85	-0.04	0.40	-0.14	-9.49e-05	-1.23e-05	-2.81e-06
75	97	-5.05	-0.05	-1.12	-9.00e-05	-1.75e-03	-6.05e-05
75	101	-5.06	-0.05	-1.12	-9.09e-05	-1.75e-03	-6.36e-05
75	115	1.45	0.62	0.14	-1.20e-04	5.05e-04	1.41e-05
76	2	0.05	-0.35	-0.30	4.26e-05	-4.94e-06	-2.94e-06
76	7	0.05	-0.64	-0.18	4.04e-05	6.61e-06	-3.79e-05
76	8	0.06	-0.62	-0.25	5.05e-05	0.0	-2.36e-05
76	10	0.03	-0.23	-0.22	2.91e-05	-3.27e-06	-2.08e-06
76	11	0.03	-0.43	-0.17	2.88e-05	4.46e-06	-2.56e-05
76	12	0.04	-0.41	-0.21	3.55e-05	0.0	-1.60e-05
76	14	5.53e-03	0.02	-0.17	1.04e-05	-2.84e-06	5.93e-06
76	15	6.19e-03	-0.08	-0.15	1.02e-05	1.03e-06	-5.81e-06
76	16	9.75e-03	-0.07	-0.17	1.31e-05	0.0	-1.73e-06
76	18	3.16e-03	0.01	-0.16	8.48e-06	-1.64e-06	3.21e-06
76	24	18.54	-0.80	0.22	2.01e-04	-5.20e-04	6.23e-04
76	34	-17.91	0.18	-0.65	-1.41e-04	2.01e-04	-5.67e-04
76	45	-5.80	1.15	-0.20	-1.03e-04	1.21e-04	-1.17e-04
76	56	13.46	-0.62	0.11	1.51e-04	-3.85e-04	4.49e-04
76	66	-13.02	0.09	-0.52	-9.76e-05	1.55e-04	-4.15e-04
76	77	-4.24	0.99	-0.18	-8.21e-05	8.56e-05	-7.11e-05
76	85	-0.20	0.79	-0.10	-3.89e-05	-2.92e-05	6.21e-05
76	86	0.21	-0.76	-0.22	5.58e-05	2.59e-05	-5.57e-05
76	92	22.21	-0.95	0.29	2.38e-04	-6.20e-04	7.48e-04
76	102	-21.39	0.23	-0.74	-1.71e-04	2.36e-04	-6.76e-04
76	113	-6.94	1.32	-0.22	-1.22e-04	1.46e-04	-1.46e-04
77	2	-0.02	-0.16	-0.13	2.46e-05	-5.39e-06	-7.14e-06
77	7	0.01	-0.35	-0.05	4.83e-05	4.85e-06	-5.06e-06
77	10	-0.01	-0.11	-0.10	1.63e-05	-3.91e-06	-4.88e-06
77	11	9.16e-03	-0.23	-0.06	3.19e-05	2.45e-06	-3.65e-06
77	14	-0.01	0.03	-0.10	-2.06e-06	-4.57e-06	-2.02e-06
77	15	-1.77e-05	-0.03	-0.09	5.76e-06	-1.39e-06	-1.41e-06
77	18	-7.15e-03	0.02	-0.10	-1.56e-06	-3.68e-06	-1.55e-06
77	27	6.07	0.04	-1.12	-1.82e-04	1.73e-03	-7.21e-05
77	33	-6.11	0.31	0.89	1.19e-04	-1.74e-03	6.93e-05
77	41	-1.85	0.60	0.13	-6.20e-05	-5.27e-04	1.55e-05
77	59	4.41	0.06	-0.85	-1.38e-04	1.26e-03	-5.30e-05
77	65	-4.45	0.25	0.62	8.16e-05	-1.27e-03	5.01e-05
77	73	-1.35	0.52	0.06	-6.27e-05	-3.85e-04	1.06e-05
77	83	-0.02	0.44	-0.16	-8.58e-05	-6.85e-06	-4.22e-06
77	85	-0.05	0.39	-0.15	-7.71e-05	-1.38e-05	1.88e-06
77	95	7.25	0.03	-1.32	-2.15e-04	2.06e-03	-8.58e-05
77	101	-7.29	0.35	1.08	1.44e-04	-2.08e-03	8.30e-05
77	109	-2.21	0.67	0.18	-6.71e-05	-6.29e-04	1.89e-05
78	2	0.03	-0.11	-0.23	6.14e-05	6.85e-06	-1.58e-06
78	6	0.03	-0.30	-0.23	7.95e-05	8.09e-06	-1.29e-05
78	7	0.02	-0.38	-0.14	6.40e-05	5.71e-06	-2.04e-05
78	10	0.02	-0.07	-0.17	4.13e-05	4.57e-06	-1.12e-06
78	11	0.01	-0.24	-0.13	4.37e-05	3.83e-06	-1.38e-05
78	12	0.02	-0.20	-0.16	5.34e-05	5.40e-06	-8.63e-06
78	14	7.83e-03	0.06	-0.13	1.00e-05	1.19e-06	3.19e-06
78	18	5.32e-03	0.04	-0.12	7.22e-06	0.0	1.73e-06
78	24	14.63	0.01	0.19	1.27e-04	2.74e-03	3.36e-04
78	34	-12.31	-0.31	-0.50	-4.44e-05	-2.51e-03	-3.05e-04
78	47	3.54	0.67	0.07	-7.41e-05	6.96e-04	1.29e-04
78	56	10.62	-4.74e-03	0.10	9.90e-05	1.99e-03	2.42e-04
78	66	-8.95	-0.24	-0.40	-2.54e-05	-1.82e-03	-2.24e-04
78	79	2.56	0.59	0.03	-6.83e-05	4.98e-04	1.01e-04
78	85	-0.13	0.50	-0.06	-7.72e-05	-4.82e-05	3.34e-05
78	86	0.14	-0.41	-0.17	9.16e-05	4.97e-05	-3.00e-05
78	92	17.53	0.02	0.25	1.49e-04	3.28e-03	4.03e-04
78	102	-14.70	-0.37	-0.58	-5.63e-05	-2.99e-03	-3.64e-04

78	115	4.23	0.76	0.10	-8.35e-05	8.35e-04	1.51e-04
79	2	-0.03	-0.10	-0.14	5.73e-05	-3.29e-06	6.08e-06
79	7	0.01	-0.37	-0.04	7.88e-05	5.37e-06	4.57e-06
79	10	-0.02	-0.06	-0.10	3.85e-05	-2.32e-06	4.16e-06
79	11	3.81e-03	-0.24	-0.06	5.31e-05	3.25e-06	3.30e-06
79	14	-0.02	0.06	-0.11	4.68e-06	-2.87e-06	1.69e-06
79	18	-0.01	0.05	-0.10	3.49e-06	-2.09e-06	1.31e-06
79	29	-6.03	0.07	-1.13	-6.93e-05	-1.48e-03	-6.54e-05
79	33	-6.04	0.08	-1.13	-6.97e-05	-1.48e-03	-6.84e-05
79	47	1.73	0.67	0.13	-1.00e-04	4.28e-04	1.63e-05
79	61	-4.39	0.09	-0.85	-5.48e-05	-1.08e-03	-4.72e-05
79	65	-4.40	0.10	-0.85	-5.50e-05	-1.08e-03	-4.96e-05
79	79	1.25	0.59	0.05	-8.94e-05	3.11e-04	1.16e-05
79	83	-0.03	0.49	-0.16	-8.70e-05	-4.49e-06	4.50e-06
79	85	-0.05	0.50	-0.16	-8.77e-05	-1.03e-05	-2.76e-06
79	97	-7.19	0.07	-1.32	-8.13e-05	-1.77e-03	-7.84e-05
79	101	-7.21	0.08	-1.32	-8.19e-05	-1.77e-03	-8.19e-05
79	115	2.07	0.76	0.17	-1.14e-04	5.12e-04	1.94e-05
80	6	0.03	-0.33	-0.19	2.44e-05	8.09e-06	5.94e-05
80	7	0.02	-0.35	-0.14	2.70e-05	5.71e-06	4.32e-05
80	11	0.01	-0.23	-0.12	1.74e-05	3.82e-06	3.08e-05
80	12	0.02	-0.22	-0.14	1.61e-05	5.40e-06	4.04e-05
80	14	7.83e-03	0.02	-0.10	-2.66e-06	1.18e-06	1.27e-05
80	15	4.02e-03	-0.04	-0.10	2.15e-06	0.0	1.08e-05
80	16	7.78e-03	-0.03	-0.11	1.56e-06	1.48e-06	1.49e-05
80	18	5.33e-03	0.02	-0.10	-2.26e-06	0.0	9.94e-06
80	24	14.63	-0.27	-0.45	-6.33e-05	2.74e-03	3.79e-04
80	28	12.35	-0.32	-0.49	-5.63e-05	2.52e-03	3.22e-04
80	41	-3.64	0.60	0.09	-7.62e-05	-7.32e-04	-1.33e-04
80	56	10.62	-0.21	-0.35	-4.22e-05	1.99e-03	2.81e-04
80	60	8.99	-0.26	-0.39	-3.67e-05	1.83e-03	2.39e-04
80	73	-2.64	0.52	0.05	-7.24e-05	-5.28e-04	-1.02e-04
80	83	0.05	0.44	-0.04	-8.18e-05	2.06e-05	-3.31e-05
80	84	-0.04	-0.40	-0.16	7.73e-05	-1.91e-05	5.30e-05
80	86	0.14	-0.35	-0.15	6.84e-05	4.97e-05	7.10e-05
80	92	17.53	-0.32	-0.51	-7.72e-05	3.28e-03	4.51e-04
80	96	14.75	-0.38	-0.56	-6.87e-05	3.01e-03	3.81e-04
80	109	-4.35	0.68	0.12	-8.43e-05	-8.76e-04	-1.58e-04
81	2	-0.02	-0.19	-0.14	2.01e-05	-6.88e-06	-7.33e-06
81	7	0.02	-0.40	-0.06	4.17e-05	4.29e-06	-5.18e-06
81	10	-0.02	-0.12	-0.11	1.33e-05	-4.93e-06	-5.00e-06
81	11	0.01	-0.26	-0.07	2.76e-05	2.01e-06	-3.74e-06
81	14	-0.02	0.03	-0.11	-2.00e-06	-5.11e-06	-2.07e-06
81	15	-1.82e-03	-0.04	-0.10	5.14e-06	-1.64e-06	-1.44e-06
81	18	-0.01	0.02	-0.11	-1.39e-06	-4.09e-06	-1.59e-06
81	27	7.98	0.16	-1.26	-1.01e-04	1.62e-03	-7.36e-05
81	33	-8.03	0.25	0.99	4.31e-05	-1.63e-03	7.07e-05
81	41	-2.43	0.69	0.15	-7.69e-05	-4.94e-04	1.58e-05
81	59	5.80	0.15	-0.95	-7.86e-05	1.17e-03	-5.41e-05
81	65	-5.85	0.22	0.69	2.67e-05	-1.19e-03	5.11e-05
81	73	-1.78	0.61	0.07	-7.19e-05	-3.61e-04	1.09e-05
81	83	-0.03	0.54	-0.17	-7.88e-05	-6.48e-06	-4.29e-06
81	85	-0.06	0.48	-0.17	-7.13e-05	-1.27e-05	1.88e-06
81	95	9.53	0.18	-1.48	-1.19e-04	1.93e-03	-8.75e-05
81	101	-9.58	0.29	1.21	5.33e-05	-1.94e-03	8.47e-05
81	109	-2.90	0.78	0.20	-8.54e-05	-5.88e-04	1.93e-05
82	2	0.04	-0.18	-0.26	6.67e-05	5.84e-06	-1.92e-06
82	6	0.04	-0.40	-0.25	9.86e-05	7.65e-06	-1.56e-05
82	7	0.03	-0.47	-0.16	9.01e-05	6.08e-06	-2.48e-05
82	10	0.03	-0.12	-0.19	4.48e-05	3.88e-06	-1.36e-06
82	11	0.02	-0.30	-0.14	6.07e-05	4.01e-06	-1.67e-05
82	12	0.03	-0.26	-0.18	6.60e-05	5.08e-06	-1.05e-05
82	14	8.92e-03	0.05	-0.14	5.76e-06	0.0	3.88e-06
82	16	9.36e-03	-0.03	-0.14	1.60e-05	1.14e-06	-1.13e-06
82	18	5.96e-03	0.04	-0.13	4.25e-06	0.0	2.10e-06
82	24	17.34	-0.14	0.21	1.54e-04	1.79e-03	4.07e-04
82	34	-14.97	-0.24	-0.56	-7.25e-05	-1.86e-03	-3.70e-04
82	47	4.35	0.76	0.07	-7.56e-05	4.80e-04	1.57e-04
82	56	12.58	-0.12	0.11	1.18e-04	1.31e-03	2.94e-04
82	66	-10.89	-0.20	-0.45	-4.66e-05	-1.35e-03	-2.72e-04
82	79	3.16	0.67	0.03	-7.06e-05	3.36e-04	1.23e-04
82	85	-0.11	0.59	-0.07	-8.48e-05	-6.81e-05	4.06e-05
82	86	0.12	-0.52	-0.19	9.33e-05	6.87e-05	-3.64e-05
82	92	20.77	-0.16	0.28	1.81e-04	2.15e-03	4.89e-04
82	102	-17.88	-0.28	-0.65	-8.94e-05	-2.22e-03	-4.42e-04

82	115	5.20	0.86	0.10	-8.46e-05	5.79e-04	1.83e-04
83	2	-0.03	-0.18	-0.15	6.14e-05	-4.34e-06	7.92e-06
83	7	0.02	-0.47	-0.05	7.06e-05	4.99e-06	5.76e-06
83	10	-0.02	-0.11	-0.12	4.14e-05	-3.05e-06	5.41e-06
83	11	7.55e-03	-0.30	-0.07	4.83e-05	2.94e-06	4.16e-06
83	14	-0.02	0.06	-0.12	9.21e-06	-3.32e-06	2.22e-06
83	18	-0.02	0.04	-0.12	7.02e-06	-2.45e-06	1.72e-06
83	29	-7.95	0.20	-1.27	-2.09e-04	-1.88e-03	-7.90e-05
83	33	-7.96	0.20	-1.27	-2.09e-04	-1.88e-03	-8.23e-05
83	47	2.29	0.77	0.15	-3.72e-05	5.43e-04	2.03e-05
83	61	-5.79	0.19	-0.96	-1.55e-04	-1.37e-03	-5.69e-05
83	65	-5.80	0.19	-0.96	-1.55e-04	-1.37e-03	-5.96e-05
83	79	1.66	0.68	0.06	-4.04e-05	3.94e-04	1.47e-05
83	83	-0.03	0.59	-0.18	-7.21e-05	-5.51e-06	5.19e-06
83	85	-0.07	0.60	-0.18	-7.22e-05	-1.31e-05	-2.75e-06
83	97	-9.49	0.22	-1.49	-2.49e-04	-2.24e-03	-9.47e-05
83	101	-9.50	0.22	-1.49	-2.49e-04	-2.24e-03	-9.85e-05
83	115	2.74	0.86	0.20	-4.00e-05	6.50e-04	2.42e-05
84	6	0.04	-0.37	-0.21	4.56e-05	7.58e-06	7.21e-05
84	7	0.03	-0.41	-0.16	4.97e-05	6.02e-06	5.25e-05
84	11	0.02	-0.27	-0.14	3.27e-05	3.94e-06	3.74e-05
84	12	0.03	-0.25	-0.15	3.02e-05	5.02e-06	4.90e-05
84	15	4.88e-03	-0.04	-0.11	5.54e-06	0.0	1.31e-05
84	16	9.32e-03	-0.03	-0.12	4.49e-06	1.07e-06	1.81e-05
84	18	5.92e-03	0.02	-0.11	-2.30e-06	0.0	1.21e-05
84	24	17.34	-0.19	-0.50	-8.90e-05	1.79e-03	4.60e-04
84	28	15.02	-0.24	-0.55	-8.21e-05	1.87e-03	3.91e-04
84	41	-4.46	0.69	0.09	-6.99e-05	-5.27e-04	-1.62e-04
84	56	12.58	-0.16	-0.40	-6.07e-05	1.30e-03	3.41e-04
84	60	10.93	-0.20	-0.43	-5.55e-05	1.36e-03	2.90e-04
84	73	-3.24	0.61	0.05	-6.77e-05	-3.78e-04	-1.24e-04
84	83	0.04	0.54	-0.05	-8.28e-05	3.01e-05	-4.02e-05
84	84	-0.02	-0.49	-0.18	7.82e-05	-2.97e-05	6.43e-05
84	86	0.12	-0.43	-0.17	7.07e-05	6.86e-05	8.63e-05
84	92	20.77	-0.22	-0.57	-1.08e-04	2.14e-03	5.48e-04
84	96	17.94	-0.28	-0.63	-9.95e-05	2.24e-03	4.63e-04
84	109	-5.33	0.78	0.13	-7.67e-05	-6.32e-04	-1.92e-04
85	2	-0.03	-0.22	-0.16	2.37e-05	-7.76e-06	-7.33e-06
85	7	0.02	-0.46	-0.07	4.81e-05	2.32e-06	-5.18e-06
85	10	-0.02	-0.14	-0.12	1.58e-05	-5.50e-06	-5.00e-06
85	11	0.01	-0.30	-0.08	3.21e-05	0.0	-3.74e-06
85	14	-0.02	0.03	-0.12	-1.56e-06	-4.90e-06	-2.07e-06
85	15	-3.87e-03	-0.05	-0.11	6.58e-06	-1.78e-06	-1.44e-06
85	18	-0.02	0.03	-0.12	0.0	-3.91e-06	-1.59e-06
85	27	10.12	0.36	-1.36	-1.71e-04	1.89e-03	-7.36e-05
85	33	-10.19	0.12	1.08	1.15e-04	-1.90e-03	7.07e-05
85	35	2.81	0.83	-0.55	-1.38e-04	5.29e-04	-2.68e-05
85	59	7.36	0.31	-1.03	-1.29e-04	1.37e-03	-5.41e-05
85	65	-7.42	0.13	0.75	7.96e-05	-1.39e-03	5.11e-05
85	67	2.03	0.73	-0.44	-1.15e-04	3.82e-04	-2.01e-05
85	83	-0.04	0.63	-0.18	-7.50e-05	-6.77e-06	-4.29e-06
85	85	-0.08	0.56	-0.18	-6.96e-05	-1.43e-05	1.88e-06
85	95	12.09	0.41	-1.60	-2.02e-04	2.26e-03	-8.75e-05
85	101	-12.16	0.13	1.31	1.40e-04	-2.27e-03	8.47e-05
85	103	3.37	0.94	-0.62	-1.58e-04	6.34e-04	-3.17e-05
86	2	-0.06	-0.35	-0.18	3.87e-05	-7.99e-06	7.92e-06
86	7	0.03	-0.64	-0.07	3.40e-05	0.0	5.76e-06
86	10	-0.04	-0.23	-0.14	2.66e-05	-5.52e-06	5.41e-06
86	11	0.01	-0.43	-0.09	2.48e-05	0.0	4.16e-06
86	14	-0.04	0.02	-0.14	1.09e-05	-3.84e-06	2.22e-06
86	15	-9.71e-03	-0.08	-0.12	9.92e-06	-1.19e-06	1.60e-06
86	18	-0.03	0.02	-0.13	9.00e-06	-2.88e-06	1.72e-06
86	29	-14.85	0.77	-1.48	-1.68e-04	-1.98e-03	-7.90e-05
86	33	-14.88	0.77	-1.47	-1.66e-04	-1.98e-03	-8.23e-05
86	45	-4.33	1.16	-0.58	-9.62e-05	-5.81e-04	-2.92e-05
86	61	-10.81	0.61	-1.11	-1.22e-04	-1.44e-03	-5.69e-05
86	65	-10.84	0.61	-1.11	-1.21e-04	-1.44e-03	-5.96e-05
86	77	-3.15	1.00	-0.47	-7.60e-05	-4.23e-04	-2.13e-05
86	83	-0.05	0.79	-0.20	-3.94e-05	1.34e-06	5.19e-06
86	85	-0.11	0.79	-0.19	-3.51e-05	-1.42e-05	-2.75e-06
86	97	-17.73	0.90	-1.73	-2.01e-04	-2.36e-03	-9.47e-05
86	101	-17.76	0.90	-1.73	-1.99e-04	-2.37e-03	-9.85e-05
86	113	-5.18	1.32	-0.67	-1.14e-04	-6.95e-04	-3.51e-05
87	2	-0.04	-0.24	-0.17	5.32e-05	-6.38e-06	7.92e-06
87	7	0.02	-0.54	-0.06	5.69e-05	3.44e-06	5.76e-06

87	10	-0.03	-0.16	-0.13	3.60e-05	-4.44e-06	5.41e-06
87	11	0.01	-0.35	-0.08	3.94e-05	1.83e-06	4.16e-06
87	14	-0.03	0.04	-0.13	9.70e-06	-3.89e-06	2.22e-06
87	15	-7.38e-03	-0.05	-0.11	1.14e-05	0.0	1.60e-06
87	18	-0.02	0.04	-0.12	7.57e-06	-2.89e-06	1.72e-06
87	29	-10.19	0.39	-1.37	-1.32e-04	-1.88e-03	-7.90e-05
87	33	-10.21	0.39	-1.37	-1.32e-04	-1.89e-03	-8.23e-05
87	45	-2.97	0.90	-0.55	-1.16e-04	-5.49e-04	-2.92e-05
87	61	-7.42	0.33	-1.03	-9.80e-05	-1.37e-03	-5.69e-05
87	65	-7.44	0.33	-1.03	-9.78e-05	-1.37e-03	-5.96e-05
87	77	-2.16	0.79	-0.44	-9.57e-05	-4.00e-04	-2.13e-05
87	83	-0.04	0.67	-0.19	-6.25e-05	-5.66e-06	5.19e-06
87	85	-0.08	0.68	-0.19	-6.20e-05	-1.32e-05	-2.75e-06
87	97	-12.16	0.44	-1.61	-1.57e-04	-2.25e-03	-9.47e-05
87	101	-12.19	0.45	-1.61	-1.57e-04	-2.25e-03	-9.85e-05
87	113	-3.55	1.02	-0.63	-1.35e-04	-6.57e-04	-3.51e-05
88	6	0.06	-0.53	-0.25	4.66e-05	-4.45e-06	1.10e-04
88	7	0.05	-0.58	-0.19	4.97e-05	1.98e-06	8.03e-05
88	8	0.06	-0.54	-0.21	4.61e-05	-3.17e-06	1.07e-04
88	11	0.03	-0.38	-0.17	3.37e-05	0.0	5.71e-05
88	12	0.04	-0.35	-0.18	3.13e-05	-3.53e-06	7.49e-05
88	15	3.97e-03	-0.07	-0.14	8.17e-06	-3.43e-06	2.01e-05
88	16	7.68e-03	-0.05	-0.15	7.14e-06	-4.90e-06	2.77e-05
88	17	-2.57e-03	0.01	-0.13	1.78e-06	-4.27e-06	1.08e-05
88	18	1.14e-03	0.02	-0.14	0.0	-5.74e-06	1.85e-05
88	24	18.54	0.28	-0.57	-1.52e-04	-5.23e-04	7.04e-04
88	28	17.96	0.19	-0.63	-1.45e-04	-1.93e-04	5.97e-04
88	35	5.64	1.13	-0.17	-1.24e-04	-1.82e-04	1.09e-04
88	56	13.46	0.17	-0.45	-1.06e-04	-3.89e-04	5.22e-04
88	60	13.07	0.10	-0.50	-1.02e-04	-1.49e-04	4.44e-04
88	67	4.11	0.98	-0.15	-1.01e-04	-1.38e-04	6.92e-05
88	83	0.08	0.79	-0.07	-5.71e-05	-1.88e-05	-6.15e-05
88	84	-0.08	-0.74	-0.21	5.86e-05	7.37e-06	9.84e-05
88	86	0.21	-0.66	-0.20	5.81e-05	2.19e-05	1.32e-04
88	92	22.21	0.34	-0.65	-1.83e-04	-6.23e-04	8.37e-04
88	96	21.45	0.24	-0.72	-1.75e-04	-2.26e-04	7.08e-04
88	103	6.76	1.29	-0.18	-1.44e-04	-2.15e-04	1.34e-04
89	2	-0.04	-0.24	-0.16	2.46e-05	-8.45e-06	-7.33e-06
89	7	0.03	-0.52	-0.07	4.86e-05	0.0	-5.18e-06
89	10	-0.03	-0.16	-0.13	1.66e-05	-5.95e-06	-5.00e-06
89	11	0.01	-0.34	-0.09	3.27e-05	0.0	-3.74e-06
89	14	-0.03	0.03	-0.13	0.0	-4.81e-06	-2.07e-06
89	15	-6.11e-03	-0.06	-0.11	7.41e-06	-1.97e-06	-1.44e-06
89	18	-0.02	0.03	-0.13	0.0	-3.85e-06	-1.59e-06
89	27	12.43	0.56	-1.43	-1.71e-04	1.95e-03	-7.36e-05
89	33	-12.51	-0.01	1.13	1.22e-04	-1.96e-03	7.07e-05
89	35	3.46	0.99	-0.57	-1.29e-04	5.54e-04	-2.68e-05
89	59	9.04	0.45	-1.08	-1.28e-04	1.42e-03	-5.41e-05
89	65	-9.11	0.03	0.79	8.50e-05	-1.43e-03	5.11e-05
89	67	2.50	0.86	-0.46	-1.07e-04	4.01e-04	-2.01e-05
89	83	-0.04	0.72	-0.19	-6.70e-05	0.0	-4.29e-06
89	85	-0.09	0.64	-0.19	-6.36e-05	-1.47e-05	1.88e-06
89	95	14.85	0.64	-1.68	-2.03e-04	2.33e-03	-8.75e-05
89	101	-14.94	-0.03	1.38	1.47e-04	-2.34e-03	8.47e-05
89	103	4.15	1.12	-0.65	-1.50e-04	6.64e-04	-3.17e-05
90	2	0.05	-0.30	-0.30	3.09e-05	0.0	-2.60e-06
90	6	0.06	-0.56	-0.28	3.41e-05	4.31e-06	-2.11e-05
90	7	0.04	-0.60	-0.18	2.28e-05	6.00e-06	-3.35e-05
90	10	0.03	-0.20	-0.21	2.12e-05	0.0	-1.84e-06
90	11	0.03	-0.40	-0.16	1.66e-05	3.72e-06	-2.26e-05
90	12	0.04	-0.37	-0.21	2.33e-05	2.76e-06	-1.42e-05
90	14	8.13e-03	0.03	-0.17	9.05e-06	-1.51e-06	5.25e-06
90	15	5.63e-03	-0.07	-0.14	6.77e-06	0.0	-5.14e-06
90	16	0.01	-0.06	-0.16	9.62e-06	0.0	-1.53e-06
90	18	4.92e-03	0.02	-0.15	7.15e-06	-1.23e-06	2.84e-06
90	24	19.01	-0.57	0.22	1.87e-04	-3.47e-04	5.51e-04
90	34	-17.64	0.02	-0.64	-1.27e-04	5.06e-04	-5.01e-04
90	45	-5.91	1.03	-0.20	-1.06e-04	3.89e-05	-1.04e-04
90	56	13.80	-0.45	0.12	1.41e-04	-2.69e-04	3.97e-04
90	66	-12.83	-0.02	-0.51	-8.78e-05	3.76e-04	-3.67e-04
90	77	-4.31	0.89	-0.17	-8.56e-05	2.39e-05	-6.29e-05
90	85	-0.17	0.74	-0.09	-4.50e-05	-5.59e-05	5.49e-05
90	86	0.18	-0.69	-0.22	5.93e-05	5.93e-05	-4.93e-05
90	92	22.78	-0.67	0.30	2.21e-04	-4.08e-04	6.61e-04
90	102	-21.07	0.03	-0.73	-1.55e-04	6.01e-04	-5.98e-04

90	113	-7.07	1.17	-0.21	-1.25e-04	4.80e-05	-1.29e-04
91	2	-0.05	-0.30	-0.18	4.34e-05	-7.16e-06	7.92e-06
91	7	0.02	-0.60	-0.07	4.06e-05	1.65e-06	5.76e-06
91	10	-0.03	-0.20	-0.13	2.96e-05	-4.96e-06	5.41e-06
91	11	0.01	-0.40	-0.09	2.88e-05	0.0	4.16e-06
91	14	-0.03	0.03	-0.14	1.03e-05	-3.77e-06	2.22e-06
91	15	-8.36e-03	-0.07	-0.11	9.85e-06	0.0	1.60e-06
91	18	-0.02	0.03	-0.13	8.21e-06	-2.81e-06	1.72e-06
91	29	-12.49	0.57	-1.44	-1.65e-04	-1.94e-03	-7.90e-05
91	33	-12.51	0.57	-1.44	-1.65e-04	-1.95e-03	-8.23e-05
91	45	-3.64	1.04	-0.57	-1.11e-04	-5.69e-04	-2.92e-05
91	61	-9.09	0.46	-1.09	-1.22e-04	-1.41e-03	-5.69e-05
91	65	-9.11	0.47	-1.08	-1.21e-04	-1.42e-03	-5.96e-05
91	77	-2.65	0.90	-0.46	-8.97e-05	-4.15e-04	-2.13e-05
91	83	-0.04	0.74	-0.20	-5.09e-05	0.0	5.19e-06
91	85	-0.10	0.75	-0.19	-4.91e-05	-1.37e-05	-2.75e-06
91	97	-14.91	0.66	-1.69	-1.98e-04	-2.32e-03	-9.47e-05
91	101	-14.93	0.66	-1.69	-1.97e-04	-2.33e-03	-9.85e-05
91	113	-4.35	1.18	-0.65	-1.30e-04	-6.82e-04	-3.51e-05
92	6	0.06	-0.48	-0.24	4.54e-05	3.75e-06	9.75e-05
92	7	0.04	-0.52	-0.18	4.91e-05	5.47e-06	7.10e-05
92	11	0.03	-0.34	-0.16	3.29e-05	3.25e-06	5.05e-05
92	12	0.04	-0.32	-0.18	3.03e-05	2.34e-06	6.63e-05
92	15	5.97e-03	-0.06	-0.13	6.96e-06	0.0	1.78e-05
92	16	0.01	-0.05	-0.14	5.86e-06	0.0	2.45e-05
92	18	5.25e-03	0.02	-0.13	0.0	-1.56e-06	1.63e-05
92	24	19.01	0.11	-0.56	-1.36e-04	-3.47e-04	6.23e-04
92	28	17.70	0.03	-0.62	-1.29e-04	-4.99e-04	5.28e-04
92	35	5.77	0.98	-0.16	-1.32e-04	-7.76e-05	9.66e-05
92	56	13.80	0.05	-0.44	-9.51e-05	-2.69e-04	4.62e-04
92	60	12.88	-0.02	-0.49	-9.04e-05	-3.70e-04	3.93e-04
92	67	4.20	0.86	-0.14	-1.09e-04	-5.84e-05	6.12e-05
92	83	0.07	0.71	-0.06	-6.72e-05	2.44e-05	-5.44e-05
92	84	-0.06	-0.66	-0.20	6.59e-05	-2.76e-05	8.70e-05
92	86	0.18	-0.59	-0.19	6.28e-05	5.31e-05	1.17e-04
92	92	22.78	0.14	-0.64	-1.65e-04	-4.07e-04	7.41e-04
92	96	21.14	0.04	-0.71	-1.56e-04	-5.93e-04	6.26e-04
92	103	6.90	1.11	-0.18	-1.52e-04	-9.16e-05	1.18e-04
93	1	0.0	0.0	0.0	0.0	0.0	0.0
93	9	0.0	0.0	0.0	0.0	0.0	0.0
93	13	0.0	0.0	0.0	0.0	0.0	0.0
93	17	0.0	0.0	0.0	0.0	0.0	0.0
93	19	0.0	0.0	0.0	0.0	0.0	0.0
93	51	0.0	0.0	0.0	0.0	0.0	0.0
93	83	0.0	0.0	0.0	0.0	0.0	0.0
93	87	0.0	0.0	0.0	0.0	0.0	0.0
94	2	-0.06	-0.23	0.04	2.62e-05	-9.57e-06	3.77e-05
94	4	-0.05	-0.24	0.06	2.65e-05	-8.80e-06	3.62e-05
94	8	-0.01	-0.41	0.03	3.71e-05	-4.01e-06	2.95e-05
94	9	1.73e-03	-0.15	-0.04	1.19e-05	0.0	6.62e-06
94	10	-0.04	-0.15	0.02	1.73e-05	-6.72e-06	2.57e-05
94	12	-0.02	-0.27	5.56e-03	2.44e-05	-3.53e-06	2.12e-05
94	13	-0.02	0.02	-0.05	-1.11e-06	-2.56e-06	4.75e-06
94	14	-0.04	0.02	-0.01	1.57e-06	-5.64e-06	1.43e-05
94	16	-0.02	-0.04	-0.03	4.85e-06	-3.74e-06	1.11e-05
94	17	-0.02	0.02	-0.05	-1.11e-06	-2.56e-06	4.75e-06
94	18	-0.03	0.02	-0.03	0.0	-4.41e-06	1.05e-05
94	25	-18.08	1.20	-0.02	-9.56e-05	2.52e-04	-7.27e-04
94	33	-19.28	0.80	-0.02	-6.10e-05	2.75e-04	-3.15e-04
94	48	5.89	-0.83	-0.04	6.81e-05	-5.97e-05	2.21e-04
94	57	-13.13	0.91	-0.02	-7.18e-05	1.85e-04	-5.31e-04
94	65	-14.04	0.62	-0.02	-4.67e-05	2.03e-04	-2.33e-04
94	80	4.29	-0.70	-0.04	5.76e-05	-4.14e-05	1.83e-04
94	85	-0.14	0.55	-0.02	-4.20e-05	-2.94e-05	-8.76e-05
94	86	0.08	-0.51	-0.03	4.30e-05	2.06e-05	1.09e-04
94	93	-21.65	1.42	-0.02	-1.14e-04	3.01e-04	-8.70e-04
94	101	-23.02	0.95	-0.02	-7.21e-05	3.28e-04	-3.76e-04
94	116	7.04	-0.96	-0.04	7.83e-05	-7.17e-05	2.54e-04
95	1	0.0	0.0	0.0	0.0	0.0	0.0
95	9	0.0	0.0	0.0	0.0	0.0	0.0
95	13	0.0	0.0	0.0	0.0	0.0	0.0
95	17	0.0	0.0	0.0	0.0	0.0	0.0
95	19	0.0	0.0	0.0	0.0	0.0	0.0
95	51	0.0	0.0	0.0	0.0	0.0	0.0
95	83	0.0	0.0	0.0	0.0	0.0	0.0

95	87	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96	2	-0.06	3.57e-03	-0.24	4.59e-06	-1.06e-05	3.92e-05	3.92e-05
96	7	0.03	-0.34	-0.08	2.69e-05	0.0	1.13e-05	1.13e-05
96	10	-0.04	8.97e-03	-0.17	2.57e-06	-7.46e-06	2.68e-05	2.68e-05
96	11	0.01	-0.21	-0.08	1.67e-05	0.0	9.18e-06	9.18e-06
96	14	-0.04	0.11	-0.13	-6.65e-06	-5.76e-06	1.46e-05	1.46e-05
96	18	-0.03	0.08	-0.12	-5.45e-06	-4.56e-06	1.08e-05	1.08e-05
96	19	17.96	1.23	-0.13	-9.88e-05	-3.45e-04	7.26e-04	7.26e-04
96	33	-19.28	-0.35	-0.12	2.76e-05	3.72e-04	-3.13e-04	-3.13e-04
96	39	5.70	0.86	-0.13	-6.73e-05	-1.27e-04	1.54e-04	1.54e-04
96	51	13.02	0.95	-0.12	-7.56e-05	-2.56e-04	5.34e-04	5.34e-04
96	65	-14.04	-0.21	-0.12	1.67e-05	2.74e-04	-2.31e-04	-2.31e-04
96	71	4.13	0.74	-0.13	-5.80e-05	-9.68e-05	1.23e-04	1.23e-04
96	83	-0.06	0.57	-0.13	-4.39e-05	-1.10e-05	5.57e-05	5.57e-05
96	85	-0.14	0.48	-0.12	-3.71e-05	-2.02e-05	-8.77e-05	-8.77e-05
96	87	21.53	1.45	-0.13	-1.16e-04	-4.11e-04	8.66e-04	8.66e-04
96	101	-23.02	-0.44	-0.11	3.48e-05	4.43e-04	-3.74e-04	-3.74e-04
96	107	6.81	0.98	-0.13	-7.64e-05	-1.50e-04	1.78e-04	1.78e-04
97	1	3.15e-03	-0.15	-0.05	2.65e-05	0.0	0.0	0.0
97	2	-0.03	-0.16	9.12e-03	3.65e-05	-6.47e-06	0.0	0.0
97	8	-8.21e-03	-0.27	6.23e-03	5.22e-05	-1.75e-06	0.0	0.0
97	9	9.53e-04	-0.10	-0.04	1.75e-05	0.0	0.0	0.0
97	10	-0.02	-0.11	2.68e-04	2.42e-05	-4.56e-06	0.0	0.0
97	12	-8.34e-03	-0.18	-0.01	3.45e-05	-1.77e-06	0.0	0.0
97	13	-8.61e-03	9.95e-03	-0.04	0.0	-1.83e-06	0.0	0.0
97	14	-0.02	6.22e-03	-0.02	2.45e-06	-4.21e-06	0.0	0.0
97	16	-0.01	-0.03	-0.03	7.25e-06	-2.58e-06	0.0	0.0
97	17	-8.61e-03	9.95e-03	-0.04	0.0	-1.83e-06	0.0	0.0
97	18	-0.02	7.71e-03	-0.03	1.10e-06	-3.26e-06	0.0	0.0
97	25	-12.75	0.73	-0.03	-1.38e-04	-1.78e-03	0.0	0.0
97	33	-14.49	0.49	-0.03	-9.10e-05	-1.77e-03	0.0	0.0
97	47	4.21	0.33	-0.04	-5.54e-05	5.04e-04	0.0	0.0
97	57	-9.26	0.55	-0.03	-1.04e-04	-1.29e-03	0.0	0.0
97	65	-10.55	0.38	-0.03	-6.93e-05	-1.29e-03	0.0	0.0
97	79	3.06	0.30	-0.04	-5.13e-05	3.64e-04	0.0	0.0
97	85	-0.08	0.34	-0.04	-5.96e-05	-1.99e-05	0.0	0.0
97	93	-15.27	0.86	-0.03	-1.65e-04	-2.13e-03	0.0	0.0
97	101	-17.29	0.58	-0.03	-1.08e-04	-2.12e-03	0.0	0.0
97	115	5.03	0.37	-0.04	-6.22e-05	6.03e-04	0.0	0.0
98	1	-0.01	-0.20	-0.03	-2.72e-04	0.0	0.0	0.0
98	2	-0.10	-0.41	-0.01	-1.58e-03	-1.20e-05	0.0	0.0
98	6	-0.06	-0.48	0.01	-1.13e-03	-6.75e-06	0.0	0.0
98	9	-9.52e-03	-0.13	-0.03	-2.19e-04	0.0	0.0	0.0
98	10	-0.07	-0.28	-0.02	-1.09e-03	-8.30e-06	0.0	0.0
98	12	-0.05	-0.32	6.33e-05	-7.90e-04	-4.80e-06	0.0	0.0
98	13	-0.02	-8.38e-03	-0.06	-2.82e-04	-2.24e-06	0.0	0.0
98	14	-0.05	-0.08	-0.05	-7.19e-04	-6.14e-06	0.0	0.0
98	16	-0.03	-0.09	-0.04	-5.23e-04	-4.00e-06	0.0	0.0
98	17	-0.02	-8.38e-03	-0.06	-2.82e-04	-2.24e-06	0.0	0.0
98	18	-0.03	-0.05	-0.05	-5.44e-04	-4.58e-06	0.0	0.0
98	24	12.65	-0.78	0.15	-5.54e-04	1.20e-03	0.0	0.0
98	25	-12.72	0.68	-0.26	-5.35e-04	-1.20e-03	0.0	0.0
98	34	-16.55	0.17	-0.12	-6.81e-04	-1.12e-03	0.0	0.0
98	56	9.18	-0.60	0.10	-5.63e-04	8.64e-04	0.0	0.0
98	57	-9.25	0.50	-0.21	-5.26e-04	-8.73e-04	0.0	0.0
98	66	-12.06	0.09	-0.10	-6.57e-04	-8.17e-04	0.0	0.0
98	85	0.08	0.30	-0.14	-3.13e-04	4.72e-05	0.0	0.0
98	86	-0.15	-0.40	0.04	-7.76e-04	-5.64e-05	0.0	0.0
98	92	15.16	-0.91	0.19	-5.52e-04	1.43e-03	0.0	0.0
98	93	-15.23	0.81	-0.30	-5.37e-04	-1.44e-03	0.0	0.0
98	102	-19.76	0.22	-0.13	-7.03e-04	-1.33e-03	0.0	0.0
99	2	-0.03	0.02	-0.22	1.81e-05	-6.46e-06	0.0	0.0
99	7	0.02	-0.22	-0.07	4.04e-05	3.27e-06	0.0	0.0
99	10	-0.02	0.02	-0.16	1.17e-05	-4.55e-06	0.0	0.0
99	11	7.39e-03	-0.13	-0.08	2.60e-05	1.57e-06	0.0	0.0
99	14	-0.02	0.08	-0.12	-4.21e-06	-4.20e-06	0.0	0.0
99	18	-0.02	0.06	-0.11	-3.66e-06	-3.25e-06	0.0	0.0
99	19	12.68	0.76	-0.11	-1.40e-04	1.76e-03	0.0	0.0
99	33	-14.48	-0.20	-0.10	4.77e-05	-1.77e-03	0.0	0.0
99	39	4.30	0.55	-0.12	-9.47e-05	5.18e-04	0.0	0.0
99	51	9.20	0.59	-0.11	-1.06e-04	1.28e-03	0.0	0.0
99	65	-10.55	-0.12	-0.10	3.09e-05	-1.29e-03	0.0	0.0
99	71	3.13	0.48	-0.11	-8.10e-05	3.75e-04	0.0	0.0
99	83	-0.02	0.37	-0.11	-5.98e-05	-9.78e-06	0.0	0.0
99	85	-0.08	0.31	-0.11	-4.95e-05	-1.99e-05	0.0	0.0

99	87	15.19	0.89	-0.11	-1.66e-04	2.11e-03	0.0
99	101	-17.29	-0.26	-0.10	5.89e-05	-2.12e-03	0.0
99	107	5.14	0.63	-0.12	-1.08e-04	6.20e-04	0.0
100	2	-0.09	0.22	-0.15	1.30e-03	-1.57e-05	0.0
100	10	-0.06	0.16	-0.11	8.95e-04	-1.09e-05	0.0
100	14	-0.04	0.18	-0.11	5.15e-04	-7.43e-06	0.0
100	18	-0.03	0.15	-0.10	3.87e-04	-5.87e-06	0.0
100	19	13.68	0.85	-0.29	3.69e-04	8.52e-04	0.0
100	34	-17.66	-0.30	0.03	3.95e-04	-6.72e-04	0.0
100	51	9.93	0.67	-0.25	3.84e-04	6.17e-04	0.0
100	66	-12.87	-0.19	-5.81e-04	3.86e-04	-4.94e-04	0.0
100	83	-0.07	0.45	-0.18	5.71e-04	-2.96e-05	0.0
100	86	-0.16	-0.10	-0.03	2.66e-04	-5.78e-05	0.0
100	87	16.40	0.98	-0.33	3.62e-04	1.02e-03	0.0
100	102	-21.09	-0.38	0.05	3.99e-04	-7.99e-04	0.0
101	2	-0.01	-0.02	-0.06	2.14e-05	-4.40e-06	0.0
101	7	5.25e-03	-0.10	-0.04	3.56e-05	2.21e-06	0.0
101	10	-7.35e-03	-0.01	-0.04	1.40e-05	-3.10e-06	0.0
101	11	2.51e-03	-0.07	-0.04	2.31e-05	1.06e-06	0.0
101	14	-6.79e-03	0.02	-0.04	-1.32e-06	-2.86e-06	0.0
101	18	-5.26e-03	0.02	-0.04	-1.49e-06	-2.22e-06	0.0
101	25	-5.61	0.26	-0.04	-1.01e-04	-2.02e-03	0.0
101	33	-6.68	0.18	-0.04	-6.87e-05	-2.33e-03	0.0
101	49	-2.06	0.21	-0.04	-7.53e-05	-7.16e-04	0.0
101	57	-4.08	0.20	-0.04	-7.65e-05	-1.46e-03	0.0
101	65	-4.87	0.15	-0.04	-5.30e-05	-1.70e-03	0.0
101	81	-1.51	0.18	-0.04	-6.38e-05	-5.22e-04	0.0
101	85	-0.05	0.14	-0.04	-4.78e-05	-1.35e-05	0.0
101	93	-6.72	0.31	-0.04	-1.20e-04	-2.41e-03	0.0
101	101	-7.98	0.21	-0.04	-8.07e-05	-2.78e-03	0.0
101	117	-2.46	0.24	-0.04	-8.64e-05	-8.55e-04	0.0
102	1	-0.01	-0.15	-0.02	-9.21e-05	0.0	0.0
102	2	-0.05	-0.50	-0.02	-4.27e-04	-1.37e-05	0.0
102	9	-9.73e-03	-0.10	-0.02	-7.18e-05	0.0	0.0
102	10	-0.04	-0.33	-0.02	-2.95e-04	-9.38e-06	0.0
102	13	-0.01	-0.03	-0.04	-7.79e-05	-1.67e-06	0.0
102	14	-0.02	-0.15	-0.04	-1.90e-04	-6.17e-06	0.0
102	17	-0.01	-0.03	-0.04	-7.79e-05	-1.67e-06	0.0
102	18	-0.02	-0.10	-0.04	-1.45e-04	-4.37e-06	0.0
102	24	5.59	-0.49	0.10	3.23e-05	2.31e-03	0.0
102	25	-5.62	0.29	-0.18	-3.22e-04	-2.32e-03	0.0
102	34	-7.90	0.01	-0.08	-9.94e-05	-3.12e-03	0.0
102	57	-4.09	0.19	-0.14	-2.89e-04	-1.69e-03	0.0
102	66	-5.76	-0.03	-0.07	-9.85e-05	-2.27e-03	0.0
102	76	1.11	-0.40	0.06	1.52e-04	4.76e-04	0.0
102	85	0.08	0.10	-0.10	-3.96e-04	1.95e-05	0.0
102	86	-0.11	-0.30	0.02	1.06e-04	-2.83e-05	0.0
102	92	6.70	-0.56	0.13	6.17e-05	2.77e-03	0.0
102	93	-6.73	0.36	-0.20	-3.51e-04	-2.77e-03	0.0
102	102	-9.43	0.04	-0.09	-9.52e-05	-3.72e-03	0.0
103	2	-0.01	0.08	-0.11	-2.97e-06	-4.39e-06	0.0
103	10	-7.34e-03	0.06	-0.08	-2.66e-06	-3.09e-06	0.0
103	14	-6.77e-03	0.06	-0.06	-1.08e-05	-2.86e-06	0.0
103	18	-5.24e-03	0.05	-0.05	-8.51e-06	-2.21e-06	0.0
103	19	5.58	0.28	-0.06	-1.05e-04	2.01e-03	0.0
103	33	-6.68	-0.04	-0.05	2.80e-05	-2.33e-03	0.0
103	39	1.98	0.22	-0.06	-7.59e-05	6.92e-04	0.0
103	51	4.05	0.22	-0.06	-8.13e-05	1.46e-03	0.0
103	65	-4.87	-0.01	-0.05	1.59e-05	-1.70e-03	0.0
103	71	1.43	0.19	-0.06	-6.57e-05	5.03e-04	0.0
103	83	-0.02	0.15	-0.06	-5.04e-05	-4.21e-06	0.0
103	85	-0.05	0.13	-0.05	-4.22e-05	-1.35e-05	0.0
103	87	6.68	0.33	-0.06	-1.23e-04	2.40e-03	0.0
103	101	-7.98	-0.06	-0.05	3.59e-05	-2.78e-03	0.0
103	107	2.36	0.24	-0.06	-8.58e-05	8.26e-04	0.0
104	2	-0.03	0.52	-0.11	-6.10e-04	-1.58e-05	0.0
104	10	-0.02	0.36	-0.08	-4.19e-04	-1.09e-05	0.0
104	14	-0.01	0.28	-0.08	-2.51e-04	-7.93e-06	0.0
104	18	-9.74e-03	0.22	-0.07	-1.87e-04	-5.89e-06	0.0
104	19	8.01	0.60	-0.20	-3.89e-04	2.24e-03	0.0
104	34	-11.04	-0.02	0.02	-5.82e-05	-2.90e-03	0.0
104	51	5.82	0.51	-0.17	-3.51e-04	1.62e-03	0.0
104	66	-8.04	0.04	-4.17e-03	-8.02e-05	-2.11e-03	0.0
104	83	-0.05	0.41	-0.13	-4.68e-04	-1.25e-05	0.0
104	86	-0.12	0.07	-0.02	5.97e-06	-2.84e-05	0.0

104	87	9.60	0.67	-0.23	-4.23e-04	2.68e-03	0.0
104	102	-13.18	-0.06	0.03	-3.83e-05	-3.46e-03	0.0
105	2	-3.86e-04	-6.13e-03	-0.04	8.44e-06	0.0	0.0
105	5	1.61e-04	-0.01	-0.02	2.25e-05	0.0	0.0
105	10	-2.72e-04	-4.10e-03	-0.03	5.57e-06	0.0	0.0
105	11	9.29e-05	-8.26e-03	-0.01	1.49e-05	0.0	0.0
105	14	-2.51e-04	3.85e-04	-0.02	-2.04e-06	0.0	0.0
105	15	-6.88e-05	-1.70e-03	-0.01	2.63e-06	0.0	0.0
105	18	-1.94e-04	2.08e-04	-0.02	-1.40e-06	0.0	0.0
105	25	-0.25	0.02	-0.02	-4.49e-05	-6.07e-04	0.0
105	33	-0.31	0.02	-0.02	-3.20e-05	-7.40e-04	0.0
105	50	-0.09	-0.01	-0.02	2.30e-05	-2.14e-04	0.0
105	65	-0.22	0.01	-0.02	-2.50e-05	-5.40e-04	0.0
105	77	-0.06	0.02	-0.01	-3.57e-05	-1.39e-04	0.0
105	82	-0.06	-0.01	-0.02	2.08e-05	-1.55e-04	0.0
105	85	-2.72e-03	0.01	-0.02	-2.56e-05	-6.46e-06	0.0
105	86	2.33e-03	-0.01	-0.02	2.28e-05	5.50e-06	0.0
105	93	-0.30	0.03	-0.01	-5.30e-05	-7.26e-04	0.0
105	101	-0.36	0.02	-0.02	-3.75e-05	-8.84e-04	0.0
105	118	-0.11	-0.01	-0.02	2.61e-05	-2.55e-04	0.0
106	2	-3.28e-03	-0.07	-7.54e-03	5.37e-04	-7.76e-06	0.0
106	10	-2.31e-03	-0.05	-6.38e-03	3.68e-04	-5.45e-06	0.0
106	14	-1.55e-03	-0.02	-0.01	2.04e-04	-3.67e-06	0.0
106	18	-1.29e-03	-0.01	-0.01	1.51e-04	-3.02e-06	0.0
106	25	-0.19	0.03	-0.04	5.33e-05	-4.81e-04	0.0
106	34	-0.29	-3.69e-03	-0.02	1.46e-04	-7.12e-04	0.0
106	44	0.05	-0.05	0.02	2.83e-04	1.23e-04	0.0
106	57	-0.14	0.02	-0.03	7.39e-05	-3.50e-04	0.0
106	66	-0.21	-7.76e-03	-0.02	1.53e-04	-5.20e-04	0.0
106	76	0.03	-0.05	0.01	2.67e-04	8.63e-05	0.0
106	85	4.94e-03	0.01	-0.02	5.94e-05	1.16e-05	0.0
106	86	-7.51e-03	-0.04	3.83e-03	2.42e-04	-1.77e-05	0.0
106	92	0.23	-0.06	0.03	2.65e-04	5.69e-04	0.0
106	93	-0.23	0.03	-0.05	3.64e-05	-5.75e-04	0.0
106	102	-0.34	-1.27e-03	-0.02	1.43e-04	-8.49e-04	0.0
107	2	-3.85e-04	6.79e-03	-3.77e-03	-1.60e-05	0.0	0.0
107	5	1.62e-04	-8.86e-03	-8.84e-03	1.56e-05	0.0	0.0
107	7	1.95e-04	-9.44e-03	-6.92e-03	1.69e-05	0.0	0.0
107	10	-2.71e-04	4.79e-03	-3.37e-03	-1.12e-05	0.0	0.0
107	11	9.38e-05	-5.65e-03	-6.75e-03	9.87e-06	0.0	0.0
107	14	-2.50e-04	5.65e-03	-4.78e-03	-1.19e-05	0.0	0.0
107	15	-6.79e-05	4.31e-04	-6.47e-03	-1.39e-06	0.0	0.0
107	17	-1.08e-04	1.95e-03	-6.40e-03	-4.21e-06	0.0	0.0
107	18	-1.94e-04	4.17e-03	-5.43e-03	-8.84e-06	0.0	0.0
107	19	0.25	0.03	-6.16e-03	-5.10e-05	6.03e-04	0.0
107	33	-0.31	-3.62e-03	-5.14e-03	5.80e-06	-7.40e-04	0.0
107	39	0.09	0.02	-6.57e-03	-4.32e-05	2.18e-04	0.0
107	65	-0.22	-9.34e-04	-5.25e-03	0.0	-5.40e-04	0.0
107	67	0.05	0.02	-6.38e-03	-4.09e-05	1.29e-04	0.0
107	71	0.07	0.02	-6.39e-03	-3.82e-05	1.58e-04	0.0
107	83	-1.16e-03	0.02	-6.20e-03	-3.11e-05	-2.74e-06	0.0
107	85	-2.72e-03	0.01	-5.98e-03	-2.61e-05	-6.47e-06	0.0
107	87	0.30	0.03	-6.29e-03	-5.89e-05	7.22e-04	0.0
107	101	-0.36	-5.36e-03	-5.07e-03	9.06e-06	-8.84e-04	0.0
107	107	0.11	0.03	-6.74e-03	-4.83e-05	2.60e-04	0.0
108	2	-1.08e-05	0.16	-0.03	-8.55e-04	0.0	0.0
108	5	1.64e-03	0.02	-7.25e-03	-1.38e-04	3.72e-06	0.0
108	10	5.70e-05	0.11	-0.02	-5.91e-04	0.0	0.0
108	11	1.16e-03	0.02	-6.72e-03	-1.13e-04	2.61e-06	0.0
108	14	6.72e-05	0.08	-0.02	-3.88e-04	0.0	0.0
108	15	6.16e-04	0.03	-0.01	-1.49e-04	1.33e-06	0.0
108	17	4.82e-04	0.04	-0.01	-1.58e-04	1.01e-06	0.0
108	18	2.33e-04	0.06	-0.02	-2.96e-04	0.0	0.0
108	19	0.50	0.10	-0.05	-3.85e-04	1.17e-03	0.0
108	31	0.72	0.09	-0.04	-3.53e-04	1.69e-03	0.0
108	35	0.14	0.10	-0.04	-4.31e-04	3.36e-04	0.0
108	51	0.36	0.09	-0.04	-3.68e-04	8.49e-04	0.0
108	63	0.53	0.08	-0.03	-3.42e-04	1.23e-03	0.0
108	67	0.10	0.09	-0.04	-4.16e-04	2.43e-04	0.0
108	83	-5.00e-03	0.09	-0.03	-3.94e-04	-1.14e-05	0.0
108	85	0.01	0.08	-0.03	-3.62e-04	2.90e-05	0.0
108	87	0.59	0.11	-0.05	-3.99e-04	1.40e-03	0.0
108	99	0.86	0.09	-0.04	-3.62e-04	2.02e-03	0.0
108	103	0.17	0.11	-0.05	-4.49e-04	4.04e-04	0.0
109	2	1.03e-03	-0.02	-0.03	5.82e-05	2.51e-06	0.0

109	5	5.61e-04	-0.02	-0.02	5.15e-05	1.37e-06	0.0
109	6	1.02e-03	-0.02	-0.03	6.44e-05	2.49e-06	0.0
109	10	6.99e-04	-0.01	-0.02	4.11e-05	1.70e-06	0.0
109	11	3.84e-04	-0.02	-0.02	3.66e-05	0.0	0.0
109	12	6.91e-04	-0.02	-0.02	4.52e-05	1.68e-06	0.0
109	14	2.93e-04	-7.06e-03	-0.01	2.33e-05	0.0	0.0
109	15	1.35e-04	-9.31e-03	-0.01	2.10e-05	0.0	0.0
109	16	2.67e-04	-9.15e-03	-0.01	2.47e-05	0.0	0.0
109	17	7.35e-05	-7.34e-03	-9.29e-03	1.72e-05	0.0	0.0
109	18	2.05e-04	-7.17e-03	-0.01	2.08e-05	0.0	0.0
109	22	-0.57	-0.04	-0.04	9.04e-05	-1.37e-03	0.0
109	24	0.57	0.02	9.56e-03	-2.75e-05	1.37e-03	0.0
109	54	-0.41	-0.03	-0.03	7.33e-05	-9.91e-04	0.0
109	56	0.42	9.52e-03	3.36e-03	-1.27e-05	9.98e-04	0.0
109	84	-5.07e-03	-0.02	-0.02	5.25e-05	-1.18e-05	0.0
109	86	0.01	-0.02	-0.02	4.58e-05	2.90e-05	0.0
109	90	-0.68	-0.05	-0.04	1.03e-04	-1.64e-03	0.0
109	92	0.69	0.02	0.01	-3.77e-05	1.64e-03	0.0
110	2	1.02e-03	-0.01	-0.02	7.67e-06	2.48e-06	0.0
110	5	5.43e-04	-0.02	-0.02	4.26e-05	1.33e-06	0.0
110	6	1.00e-03	-0.02	-0.03	2.69e-05	2.45e-06	0.0
110	10	6.89e-04	-0.01	-0.02	6.26e-06	1.67e-06	0.0
110	11	3.71e-04	-0.02	-0.02	2.95e-05	0.0	0.0
110	12	6.78e-04	-0.02	-0.02	1.91e-05	1.65e-06	0.0
110	14	2.90e-04	-5.31e-03	-0.01	1.17e-06	0.0	0.0
110	15	1.31e-04	-8.82e-03	-1.00e-02	1.28e-05	0.0	0.0
110	16	2.63e-04	-8.01e-03	-0.01	8.33e-06	0.0	0.0
110	17	7.14e-05	-6.67e-03	-8.54e-03	8.62e-06	0.0	0.0
110	18	2.03e-04	-5.85e-03	-9.44e-03	4.15e-06	0.0	0.0
110	24	0.57	-0.04	-0.04	7.55e-05	1.37e-03	0.0
110	56	0.42	-0.03	-0.03	5.80e-05	9.98e-04	0.0
110	86	0.01	-0.02	-0.02	3.92e-05	2.90e-05	0.0
110	92	0.69	-0.05	-0.04	8.89e-05	1.64e-03	0.0
Nodo		Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		-225.90	-11.40	-20.58	-3.48e-03	-0.07	-0.08
		234.33	8.67	1.43	3.00e-03	0.14	0.05

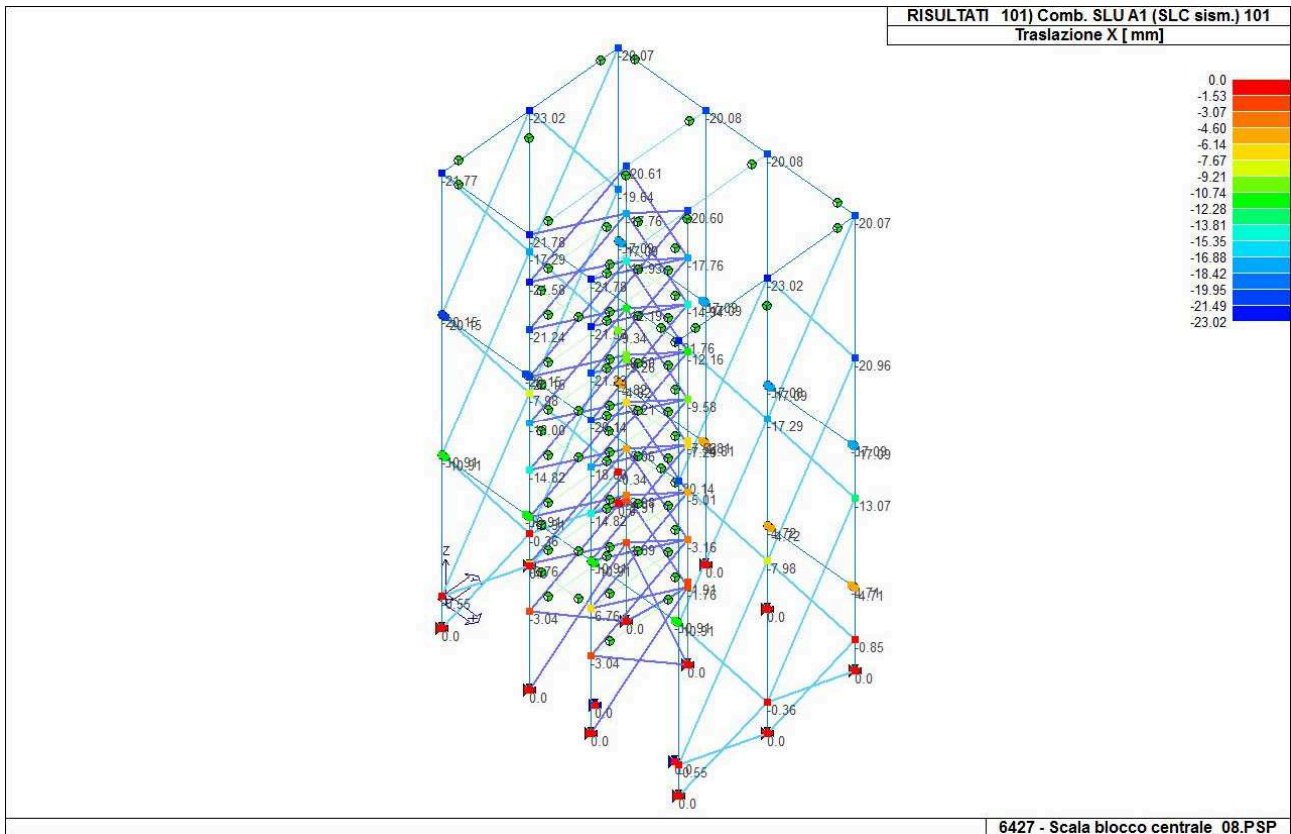


Figura 11: Spostamenti in direzione X - Comb. SLU A1 (SLC sism.) 101

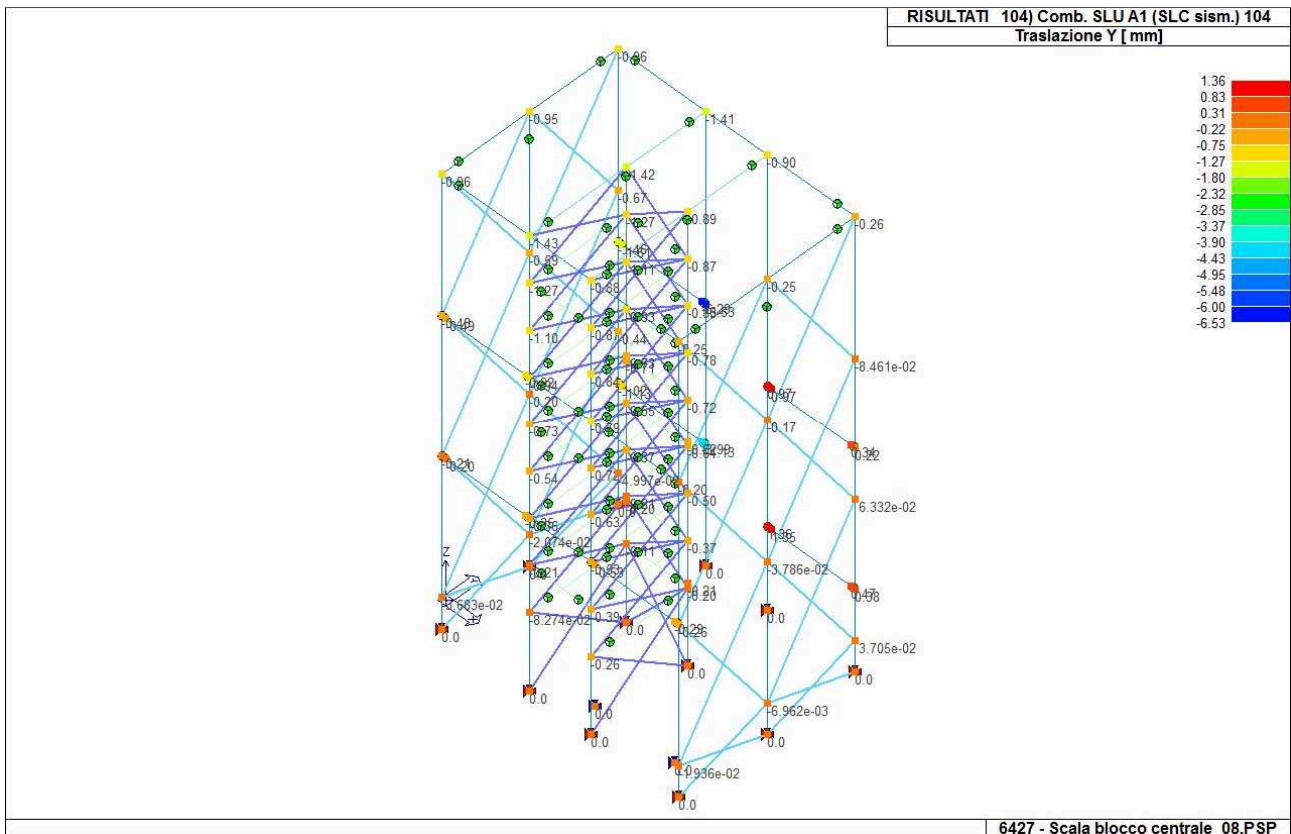


Figura 12: Spostamenti in direzione Y - Comb. SLU A1 (SLC sism.) 104

Nodo	Cmb	Azione X kN	Azione Y kN	Azione Z kN	Azione RX kN m	Azione RY kN m	Azione RZ kN m
7	1	0.0	-5.00	-5.63	0.0	0.0	0.0
7	2	0.0	-16.69	-24.45	0.0	0.0	0.0
7	3	0.0	-4.27	-4.45	0.0	0.0	0.0
7	9	0.0	-3.66	-4.28	0.0	0.0	0.0
7	10	0.0	-11.46	-16.82	0.0	0.0	0.0
7	13	0.0	-2.45	-3.92	0.0	0.0	0.0
7	14	0.0	-6.34	-10.20	0.0	0.0	0.0
7	17	0.0	-2.45	-3.92	0.0	0.0	0.0
7	18	0.0	-4.78	-7.69	0.0	0.0	0.0
7	19	0.38	-4.51	-7.49	0.0	0.0	0.0
7	48	0.09	-6.83	-8.63	0.0	0.0	0.0
7	49	-0.09	-2.74	-6.74	0.0	0.0	0.0
7	51	0.23	-4.56	-7.53	0.0	0.0	0.0
7	80	0.05	-6.35	-8.42	0.0	0.0	0.0
7	81	-0.05	-3.22	-6.95	0.0	0.0	0.0
7	83	3.62e-05	-3.63	-7.08	0.0	0.0	0.0
7	85	7.33e-05	-3.44	-7.04	0.0	0.0	0.0
7	86	-7.33e-05	-6.13	-8.33	0.0	0.0	0.0
7	87	0.49	-4.46	-7.46	0.0	0.0	0.0
7	116	0.12	-7.20	-8.81	0.0	0.0	0.0
7	117	-0.12	-2.37	-6.57	0.0	0.0	0.0
8	2	8.28e-03	1.93	-53.40	0.08	0.04	0.0
8	3	2.15e-03	-2.06	-32.76	0.28	0.01	0.0
8	5	3.27e-03	-3.39	-47.40	0.42	0.02	0.0
8	6	7.37e-03	-0.57	-57.73	0.26	0.04	0.0
8	9	1.73e-03	-1.42	-28.38	0.22	0.01	0.0
8	10	5.64e-03	1.27	-38.21	0.07	0.03	0.0
8	11	2.30e-03	-2.28	-34.22	0.29	0.01	0.0
8	12	5.03e-03	-0.40	-41.10	0.19	0.03	0.0
8	13	8.81e-04	-0.13	-19.61	0.11	2.98e-03	0.0
8	14	2.84e-03	1.21	-24.53	0.03	0.01	0.0
8	15	1.16e-03	-0.56	-22.54	0.15	5.37e-03	0.0
8	16	2.34e-03	0.25	-25.49	0.10	0.01	0.0
8	17	8.81e-04	-0.13	-19.61	0.11	2.98e-03	0.0
8	18	2.05e-03	0.68	-22.57	0.06	8.22e-03	0.0
8	19	6.49	7.03	38.33	-0.57	23.02	0.0
8	22	-6.48	-5.68	-83.46	0.70	-23.00	0.0
8	24	6.54	4.76	20.55	-0.38	23.13	0.0
8	51	4.72	5.50	23.27	-0.41	16.72	0.0
8	54	-4.72	-4.14	-68.41	0.54	-16.71	0.0
8	56	4.76	3.48	7.43	-0.24	16.82	0.0
8	83	0.11	4.08	3.78	-0.22	0.23	0.0
8	84	-0.10	-2.73	-48.91	0.35	-0.22	0.0
8	86	0.24	-1.97	-43.75	0.29	0.53	0.0
8	87	7.77	8.21	49.74	-0.69	27.58	0.0
8	90	-7.77	-6.86	-94.87	0.82	-27.56	0.0
8	92	7.83	5.63	29.64	-0.47	27.71	0.0
10	1	0.0	-7.27	-6.23	0.0	0.0	0.0
10	2	0.0	-32.60	-28.75	0.0	0.0	0.0
10	3	0.0	-5.70	-4.82	0.0	0.0	0.0
10	9	0.0	-5.55	-4.78	0.0	0.0	0.0
10	10	0.0	-22.43	-19.79	0.0	0.0	0.0
10	13	0.0	-5.23	-4.69	0.0	0.0	0.0
10	14	0.0	-13.67	-12.19	0.0	0.0	0.0
10	17	0.0	-5.23	-4.69	0.0	0.0	0.0
10	18	0.0	-10.29	-9.19	0.0	0.0	0.0
10	19	0.36	-9.42	-8.69	0.0	0.0	0.0
10	35	0.11	-8.47	-7.99	0.0	0.0	0.0
10	38	-0.11	-12.12	-10.39	0.0	0.0	0.0
10	51	0.22	-9.59	-8.76	0.0	0.0	0.0
10	67	0.07	-8.79	-8.15	0.0	0.0	0.0
10	70	-0.07	-11.80	-10.23	0.0	0.0	0.0
10	83	3.49e-05	-9.02	-8.29	0.0	0.0	0.0
10	84	-3.49e-05	-11.57	-10.08	0.0	0.0	0.0
10	87	0.47	-9.28	-8.61	0.0	0.0	0.0
10	103	0.14	-8.18	-7.81	0.0	0.0	0.0
10	106	-0.14	-12.41	-10.57	0.0	0.0	0.0
33	2	0.04	-15.89	-66.71	2.61	0.01	0.0
33	5	0.04	-5.00	-15.06	0.60	0.07	0.0
33	7	0.04	-4.48	-6.09	0.51	0.07	0.0
33	10	0.03	-10.82	-48.46	1.78	0.01	0.0
33	11	0.03	-3.56	-14.03	0.44	0.05	0.0
33	14	0.02	-5.72	-43.95	0.98	8.85e-03	0.0

33	15	0.02	-2.09	-26.73	0.31	0.03	0.0
33	17	0.02	-1.72	-29.91	0.28	0.02	0.0
33	18	0.02	-4.12	-38.33	0.70	0.01	0.0
33	19	8.19	2.42	-101.67	-7.01e-03	20.70	0.0
33	22	-8.14	-10.66	25.01	1.41	-20.67	0.0
33	31	12.72	0.15	-78.71	0.25	30.37	0.0
33	51	5.98	0.80	-86.01	0.17	15.07	0.0
33	54	-5.93	-9.03	9.35	1.24	-15.04	0.0
33	63	9.30	-0.87	-69.17	0.36	22.15	0.0
33	83	-0.13	-1.06	-66.20	0.36	-0.22	0.0
33	84	0.17	-7.18	-10.46	1.04	0.25	0.0
33	85	0.37	-1.72	-60.85	0.45	0.58	0.0
33	87	9.80	3.65	-113.55	-0.14	24.79	0.0
33	90	-9.76	-11.89	36.89	1.55	-24.76	0.0
33	99	15.18	0.92	-85.98	0.17	36.25	0.0
35	2	0.03	12.60	-73.71	-20.57	4.77e-03	-0.01
35	5	0.04	0.46	-33.42	-2.25	0.07	-2.23e-03
35	7	0.03	-0.24	-24.91	-1.17	0.06	-1.49e-03
35	10	0.02	8.71	-52.92	-14.19	5.07e-03	-0.01
35	11	0.02	0.61	-26.07	-1.98	0.05	-1.82e-03
35	14	0.01	6.03	-41.34	-9.39	-3.66e-04	-6.51e-03
35	15	0.01	1.98	-27.91	-3.29	0.02	-2.36e-03
35	17	7.81e-03	2.32	-28.37	-3.62	0.01	-2.49e-03
35	18	9.29e-03	4.55	-36.15	-7.08	5.45e-03	-4.90e-03
35	23	8.15	4.95	-45.60	-7.60	21.06	-2.22e-03
35	26	-8.13	4.14	-26.70	-6.56	-21.05	-7.58e-03
35	31	12.18	4.96	-44.01	-7.60	30.22	-2.61e-03
35	49	-4.11	5.75	-37.34	-9.16	-8.27	-6.47e-03
35	55	5.93	4.87	-43.05	-7.50	15.38	-2.97e-03
35	58	-5.92	4.22	-29.25	-6.67	-15.36	-6.83e-03
35	63	8.87	4.88	-41.92	-7.50	22.04	-3.25e-03
35	81	-3.06	5.52	-37.14	-8.72	-5.93	-6.10e-03
35	85	-0.33	5.43	-38.37	-8.52	0.57	-5.48e-03
35	86	0.35	3.67	-33.93	-5.64	-0.56	-4.32e-03
35	91	9.76	5.02	-47.45	-7.69	25.21	-1.68e-03
35	94	-9.74	4.07	-24.85	-6.47	-25.20	-8.13e-03
35	99	14.55	5.03	-45.51	-7.69	36.07	-2.16e-03
35	117	-4.89	5.96	-37.49	-9.51	-9.92	-6.75e-03
39	2	7.84e-03	-5.83	-47.87	0.48	0.04	0.0
39	3	1.80e-03	-3.48	-32.55	0.36	0.01	0.0
39	6	6.76e-03	-6.65	-54.35	0.58	0.04	0.0
39	9	1.47e-03	-2.78	-27.84	0.30	9.79e-03	0.0
39	10	5.33e-03	-4.07	-34.37	0.35	0.03	0.0
39	12	4.62e-03	-4.62	-38.69	0.41	0.03	0.0
39	13	8.15e-04	-1.38	-18.43	0.17	2.89e-03	0.0
39	14	2.75e-03	-2.03	-21.69	0.20	0.01	0.0
39	16	2.19e-03	-2.24	-23.52	0.23	0.01	0.0
39	17	8.15e-04	-1.38	-18.43	0.17	2.89e-03	0.0
39	18	1.97e-03	-1.77	-20.38	0.19	8.10e-03	0.0
39	24	6.53	-8.33	-83.04	0.85	23.13	0.0
39	25	-6.53	4.79	42.27	-0.48	-23.11	0.0
39	56	4.76	-6.74	-67.58	0.69	16.82	0.0
39	57	-4.76	3.20	26.81	-0.31	-16.80	0.0
39	85	-0.24	1.93	9.18	-0.15	-0.51	0.0
39	86	0.24	-5.47	-49.95	0.53	0.53	0.0
39	92	7.82	-9.55	-94.79	0.98	27.70	0.0
39	93	-7.82	6.01	54.02	-0.60	-27.68	0.0
41	2	-0.05	15.67	-16.74	-2.85	-0.14	0.0
41	7	-0.03	0.73	3.64	-0.40	-0.05	0.0
41	10	-0.04	10.92	-14.06	-1.98	-0.10	0.0
41	11	-0.02	1.68	-4.82	-0.48	-0.05	0.0
41	14	-0.02	7.81	-22.97	-1.36	-0.06	0.0
41	15	-0.02	3.19	-18.35	-0.60	-0.04	0.0
41	17	-0.02	3.57	-21.73	-0.64	-0.04	0.0
41	18	-0.02	6.12	-22.47	-1.07	-0.05	0.0
41	24	0.49	-0.24	42.87	-0.40	7.12	0.0
41	25	-0.53	12.47	-87.82	-1.73	-7.23	0.0
41	34	-0.83	8.17	-43.41	-1.28	-10.91	0.0
41	56	0.38	1.34	26.73	-0.57	5.17	0.0
41	57	-0.42	10.89	-71.68	-1.57	-5.27	0.0
41	66	-0.66	7.46	-36.03	-1.21	-7.98	0.0
41	85	0.09	9.19	-52.87	-1.38	0.21	0.0
41	86	-0.13	3.04	7.93	-0.76	-0.31	0.0
41	92	0.59	-1.44	55.12	-0.28	8.54	0.0
41	93	-0.63	13.68	-100.07	-1.86	-8.65	0.0

41	102	-0.98	8.61	-48.10	-1.33	-13.01	0.0
42	2	2.50	0.06	-46.01	0.14	0.15	-4.92e-05
42	5	1.21	-3.42	-20.39	0.44	0.29	-5.06e-05
42	7	0.70	-3.89	-10.18	0.45	0.29	-4.84e-05
42	10	1.89	0.25	-35.21	0.09	0.10	-3.38e-05
42	11	1.04	-2.07	-18.14	0.28	0.20	-3.47e-05
42	14	2.00	1.99	-39.41	-0.09	3.72e-03	-1.23e-05
42	15	1.58	0.83	-30.87	9.30e-03	0.05	-1.28e-05
42	17	1.71	1.56	-34.06	-0.06	0.01	-7.33e-06
42	18	1.89	1.82	-37.27	-0.08	8.05e-03	-1.03e-05
42	27	42.29	-5.86	-440.17	4.55	6.91	-9.84e-04
42	28	41.37	-9.96	-418.46	4.96	7.12	-9.26e-04
42	29	-37.60	13.60	343.92	-5.11	-7.10	9.05e-04
42	30	-38.52	9.50	365.64	-4.71	-6.89	9.64e-04
42	59	31.37	-3.46	-332.23	3.26	5.01	-7.21e-04
42	60	30.55	-7.07	-312.93	3.62	5.20	-6.75e-04
42	61	-26.78	10.71	238.39	-3.77	-5.18	6.55e-04
42	62	-27.60	7.10	257.69	-3.42	-5.00	7.01e-04
42	83	3.12	7.22	-66.21	-0.61	-0.27	-7.85e-05
42	84	0.65	-3.59	-8.33	0.46	0.28	5.78e-05
42	95	50.10	-7.47	-517.70	5.46	8.25	-1.17e-03
42	96	49.06	-12.13	-493.14	5.92	8.49	-1.10e-03
42	97	-45.29	15.77	418.61	-6.08	-8.48	1.08e-03
42	98	-46.33	11.11	443.16	-5.62	-8.24	1.15e-03
48	2	0.01	-1.79	-77.83	0.07	0.05	-1.35e-05
48	3	2.58e-03	-3.82	-48.04	0.24	0.01	-1.06e-04
48	5	3.83e-03	-6.16	-67.75	0.41	0.02	-1.76e-04
48	6	9.81e-03	-4.63	-81.54	0.29	0.04	-1.10e-04
48	9	2.14e-03	-2.73	-43.23	0.16	0.01	-7.22e-05
48	10	7.84e-03	-1.27	-56.37	0.05	0.03	-9.56e-06
48	11	2.72e-03	-4.18	-49.65	0.27	0.02	-1.18e-04
48	12	6.71e-03	-3.16	-58.84	0.19	0.03	-7.38e-05
48	13	1.28e-03	-0.55	-33.62	1.14e-03	3.56e-03	-4.03e-06
48	14	4.12e-03	0.18	-40.18	-0.06	0.01	2.73e-05
48	16	3.27e-03	-0.84	-40.76	0.02	0.01	-7.96e-06
48	17	1.28e-03	-0.55	-33.62	1.14e-03	3.56e-03	-4.03e-06
48	18	2.99e-03	-0.11	-37.56	-0.03	9.57e-03	1.48e-05
48	24	6.65	22.46	85.66	-1.05	23.16	2.87e-03
48	31	4.82	28.94	122.97	-1.48	18.14	2.64e-03
48	34	-4.81	-29.17	-198.08	1.42	-18.12	-2.61e-03
48	56	4.85	15.93	50.14	-0.74	16.85	2.07e-03
48	63	3.49	21.36	80.96	-1.11	13.17	1.94e-03
48	66	-3.49	-21.59	-156.08	1.05	-13.15	-1.91e-03
48	85	-0.30	5.93	-7.66	-0.48	-0.57	2.86e-04
48	86	0.30	-6.16	-67.46	0.41	0.59	-2.56e-04
48	92	7.96	27.07	110.78	-1.26	27.73	3.44e-03
48	99	5.76	34.45	153.47	-1.76	21.67	3.14e-03
48	102	-5.75	-34.68	-228.58	1.69	-21.65	-3.11e-03
50	2	-0.05	-8.57	-77.45	15.74	-0.14	0.01
50	3	-0.02	-3.10	-29.98	4.22	-0.04	1.88e-03
50	9	-0.01	-2.42	-29.38	3.56	-0.04	2.02e-03
50	10	-0.03	-5.86	-55.39	10.79	-0.09	9.54e-03
50	13	-9.47e-03	-1.07	-28.19	2.24	-0.03	2.32e-03
50	14	-0.02	-2.78	-41.20	5.86	-0.06	6.08e-03
50	17	-9.47e-03	-1.07	-28.19	2.24	-0.03	2.32e-03
50	18	-0.02	-2.10	-36.00	4.41	-0.05	4.58e-03
50	19	0.53	-1.67	-26.56	3.55	7.31	7.62e-03
50	22	-0.56	-2.52	-45.44	5.28	-7.41	1.53e-03
50	34	-0.77	-2.50	-43.94	5.23	-10.73	2.15e-03
50	42	-0.28	-2.96	-42.55	6.50	-3.35	2.80e-03
50	51	0.42	-1.77	-29.07	3.76	5.32	6.80e-03
50	54	-0.46	-2.42	-42.92	5.07	-5.42	2.35e-03
50	66	-0.63	-2.40	-41.85	5.04	-7.85	2.80e-03
50	74	-0.24	-2.77	-41.01	6.03	-2.48	3.23e-03
50	83	0.03	-1.53	-32.85	3.03	0.05	5.34e-03
50	84	-0.06	-2.66	-39.14	5.79	-0.15	3.81e-03
50	86	-0.11	-2.57	-38.70	5.60	-0.29	4.13e-03
50	87	0.63	-1.60	-24.73	3.40	8.76	8.22e-03
50	90	-0.66	-2.60	-47.26	5.43	-8.86	9.34e-04
50	102	-0.90	-2.57	-45.45	5.38	-12.80	1.68e-03
50	110	-0.33	-3.10	-43.68	6.85	-3.99	2.48e-03
51	2	-2.51	3.23	-52.75	-0.08	-0.04	4.92e-05
51	7	-0.73	-3.47	-8.54	0.43	-0.27	4.84e-05
51	10	-1.90	2.43	-39.91	-0.07	-0.03	3.38e-05
51	11	-1.06	-1.62	-17.55	0.25	-0.18	3.47e-05

51	14	-2.01	3.37	-43.15	-0.18	0.04	1.23e-05
51	15	-1.59	1.34	-31.97	-0.03	-0.04	1.28e-05
51	17	-1.72	2.08	-35.58	-0.09	3.86e-04	7.33e-06
51	18	-1.89	2.85	-40.12	-0.15	0.02	1.03e-05
51	28	42.74	10.22	363.94	-4.46	7.35	9.26e-04
51	29	-46.52	-4.51	-444.19	4.17	-7.30	-9.05e-04
51	31	41.85	14.76	341.24	-4.90	7.57	9.21e-04
51	60	30.67	7.89	255.70	-3.26	5.34	6.75e-04
51	61	-34.45	-2.19	-335.95	2.96	-5.29	-6.55e-04
51	63	29.88	11.85	235.68	-3.64	5.54	6.69e-04
51	83	-3.10	8.66	-70.29	-0.71	0.31	7.85e-05
51	84	-0.68	-2.96	-9.96	0.41	-0.26	-5.78e-05
51	85	-3.05	8.90	-69.98	-0.73	0.34	-7.67e-05
51	96	51.38	11.77	441.69	-5.32	8.77	1.10e-03
51	97	-55.16	-6.07	-521.94	5.02	-8.72	-1.08e-03
51	99	50.36	16.94	415.96	-5.81	9.03	1.10e-03
53	2	0.01	-4.39	-69.07	0.26	0.05	4.33e-04
53	3	2.60e-03	-4.32	-47.75	0.28	0.01	2.42e-04
53	5	3.85e-03	-6.84	-67.86	0.46	0.02	3.85e-04
53	6	9.85e-03	-6.69	-76.08	0.44	0.04	5.08e-04
53	9	2.18e-03	-3.20	-42.49	0.20	0.01	1.78e-04
53	10	7.90e-03	-3.05	-50.31	0.18	0.03	2.95e-04
53	11	2.74e-03	-4.69	-49.50	0.31	0.02	2.63e-04
53	12	6.75e-03	-4.59	-54.98	0.30	0.03	3.45e-04
53	13	1.33e-03	-0.96	-31.96	0.03	3.61e-03	4.98e-05
53	14	4.19e-03	-0.89	-35.88	0.02	0.01	1.08e-04
53	15	1.61e-03	-1.71	-35.47	0.09	6.00e-03	9.25e-05
53	16	3.33e-03	-1.66	-37.82	0.08	0.01	1.28e-04
53	17	1.33e-03	-0.96	-31.96	0.03	3.61e-03	4.98e-05
53	18	3.04e-03	-0.92	-34.31	0.02	9.62e-03	8.50e-05
53	24	6.65	-27.80	-179.34	1.33	23.16	3.24e-03
53	28	4.88	-29.90	-195.06	1.44	18.26	2.75e-03
53	29	-4.87	28.07	126.44	-1.39	-18.24	-2.58e-03
53	56	4.85	-20.68	-141.14	0.99	16.85	2.40e-03
53	60	3.55	-22.32	-153.07	1.08	13.28	2.05e-03
53	61	-3.54	20.49	84.45	-1.03	-13.26	-1.88e-03
53	83	0.13	4.54	-4.75	-0.38	0.26	-2.83e-04
53	84	-0.13	-6.37	-63.87	0.43	-0.24	4.53e-04
53	86	0.30	-5.63	-60.50	0.38	0.59	6.08e-04
53	92	7.96	-33.02	-207.44	1.58	27.73	3.86e-03
53	96	5.83	-35.40	-225.57	1.71	21.81	3.26e-03
53	97	-5.82	33.57	156.95	-1.66	-21.79	-3.09e-03
93	2	-1.27e-03	35.95	5.44	-0.10	-0.01	0.0
93	4	-1.16e-03	33.98	8.72	-0.09	-0.01	0.0
93	5	5.35e-04	0.70	-15.95	0.18	6.21e-03	0.0
93	7	6.43e-04	-1.27	-12.67	0.19	7.45e-03	0.0
93	10	-8.95e-04	24.84	2.17	-0.07	-0.01	0.0
93	11	3.09e-04	1.34	-12.09	0.12	3.59e-03	0.0
93	14	-8.26e-04	17.27	-4.03	-0.10	-9.58e-03	0.0
93	15	-2.24e-04	5.52	-11.16	-2.35e-03	-2.60e-03	0.0
93	17	-3.57e-04	6.56	-10.93	-0.03	-4.15e-03	0.0
93	18	-6.39e-04	12.99	-6.79	-0.07	-7.41e-03	0.0
93	19	2.01	26.41	-7.24	-0.52	9.81	0.0
93	33	-2.65	8.77	-5.36	0.08	-12.13	0.0
93	40	0.81	4.87	-8.82	0.18	3.67	0.0
93	41	-0.81	21.10	-4.75	-0.32	-3.68	0.0
93	65	-1.93	10.30	-5.68	0.03	-8.84	0.0
93	67	0.42	24.27	-5.53	-0.43	2.10	0.0
93	72	0.59	5.38	-8.49	0.16	2.68	0.0
93	73	-0.59	20.59	-5.09	-0.30	-2.69	0.0
93	83	-0.02	21.10	-5.46	-0.32	-0.05	0.0
93	84	0.02	4.87	-8.12	0.18	0.03	0.0
93	85	-0.04	18.99	-5.71	-0.26	-0.11	0.0
93	87	2.40	28.84	-7.35	-0.61	11.74	0.0
93	101	-3.16	7.80	-5.10	0.12	-14.47	0.0
93	108	0.96	3.96	-9.14	0.21	4.38	0.0
93	109	-0.97	22.01	-4.43	-0.35	-4.39	0.0
95	2	-1.27e-03	-20.21	-80.02	0.15	-0.01	0.0
95	3	2.40e-04	-7.97	-26.35	0.15	2.78e-03	0.0
95	5	5.32e-04	-12.33	-34.68	0.25	6.17e-03	0.0
95	9	3.99e-05	-6.18	-25.96	0.10	4.63e-04	0.0
95	10	-8.97e-04	-13.82	-56.71	0.10	-0.01	0.0
95	11	3.07e-04	-8.57	-26.48	0.17	3.56e-03	0.0
95	13	-3.60e-04	-2.61	-25.19	6.89e-03	-4.18e-03	0.0
95	14	-8.28e-04	-6.43	-40.56	6.27e-03	-9.61e-03	0.0

95	15	-2.27e-04	-3.80	-25.45	0.04	-2.63e-03	0.0
95	17	-3.60e-04	-2.61	-25.19	6.89e-03	-4.18e-03	0.0
95	18	-6.41e-04	-4.90	-34.41	6.52e-03	-7.44e-03	0.0
95	24	2.03	-19.12	-35.82	0.47	9.87	0.0
95	33	-2.65	5.09	-34.61	-0.32	-12.13	0.0
95	47	0.74	3.77	-31.94	-0.26	3.47	0.0
95	50	-0.74	-13.57	-36.89	0.27	-3.49	0.0
95	65	-1.93	2.88	-34.46	-0.25	-8.84	0.0
95	76	0.48	-16.76	-36.52	0.37	2.26	0.0
95	79	0.53	3.08	-32.29	-0.23	2.52	0.0
95	82	-0.53	-12.88	-36.54	0.25	-2.53	0.0
95	85	-0.04	3.61	-32.67	-0.25	-0.11	0.0
95	86	0.04	-13.41	-36.16	0.27	0.10	0.0
95	92	2.42	-21.73	-36.06	0.55	11.81	0.0
95	101	-3.16	6.83	-34.68	-0.38	-14.47	0.0
95	115	0.88	4.82	-31.58	-0.29	4.15	0.0
95	118	-0.89	-14.61	-37.25	0.30	-4.17	0.0

Nodo	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
	-55.16	-35.40	-521.94	-20.57	-27.68	-0.01
	51.38	35.95	443.16	15.74	36.25	0.01

Nodo	Cmb	Azione X kN	Azione Y kN	Azione Z kN	Azione RX kN m	Azione RY kN m	Azione RZ kN m
7	2	0.0	-16.69	-24.45	0.0	0.0	0.0
	13	0.0	-2.45	-3.92	0.0	0.0	0.0
	1	0.0	-5.00	-5.63	0.0	0.0	0.0
	1	0.0	-5.00	-5.63	0.0	0.0	0.0
	1	0.0	-5.00	-5.63	0.0	0.0	0.0
	1	0.0	-5.00	-5.63	0.0	0.0	0.0
8	90	-7.77	-6.86	-94.87	0.82	-27.56	0.0
	87	7.77	8.21	49.74	-0.69	27.58	0.0
	87	7.77	8.21	49.74	-0.69	27.58	0.0
	90	-7.77	-6.86	-94.87	0.82	-27.56	0.0
	93	-7.82	-4.28	-74.78	0.60	-27.69	0.0
	92	7.83	5.63	29.64	-0.47	27.71	0.0
10	2	0.0	-32.60	-28.75	0.0	0.0	0.0
	13	0.0	-5.23	-4.69	0.0	0.0	0.0
	1	0.0	-7.27	-6.23	0.0	0.0	0.0
	1	0.0	-7.27	-6.23	0.0	0.0	0.0
	1	0.0	-7.27	-6.23	0.0	0.0	0.0
33	87	9.80	3.65	-113.55	-0.14	24.79	0.0
	90	-9.76	-11.89	36.89	1.55	-24.76	0.0
	87	9.80	3.65	-113.55	-0.14	24.79	0.0
	2	0.04	-15.89	-66.71	2.61	0.01	0.0
	102	-15.13	-9.16	9.32	1.24	-36.22	0.0
	99	15.18	0.92	-85.98	0.17	36.25	0.0
35	2	0.03	12.60	-73.71	-20.57	4.77e-03	-0.01
	94	-9.74	4.07	-24.85	-6.47	-25.20	-8.13e-03
	2	0.03	12.60	-73.71	-20.57	4.77e-03	-0.01
	7	0.03	-0.24	-24.91	-1.17	0.06	-1.49e-03
	102	-14.53	4.06	-26.79	-6.48	-36.06	-7.65e-03
	99	14.55	5.03	-45.51	-7.69	36.07	-2.16e-03
39	92	7.82	-9.55	-94.79	0.98	27.70	0.0
	93	-7.82	6.01	54.02	-0.60	-27.68	0.0
	93	-7.82	6.01	54.02	-0.60	-27.68	0.0
	92	7.82	-9.55	-94.79	0.98	27.70	0.0
	93	-7.82	6.01	54.02	-0.60	-27.68	0.0
	92	7.82	-9.55	-94.79	0.98	27.70	0.0
41	93	-0.63	13.68	-100.07	-1.86	-8.65	0.0
	92	0.59	-1.44	55.12	-0.28	8.54	0.0
	2	-0.05	15.67	-16.74	-2.85	-0.14	0.0
	92	0.59	-1.44	55.12	-0.28	8.54	0.0
	102	-0.98	8.61	-48.10	-1.33	-13.01	0.0
	99	0.94	3.62	3.16	-0.81	12.90	0.0
42	95	50.10	-7.47	-517.70	5.46	8.25	-1.17e-03
	98	-46.33	11.11	443.16	-5.62	-8.24	1.15e-03
	97	-45.29	15.77	418.61	-6.08	-8.48	1.08e-03
	96	49.06	-12.13	-493.14	5.92	8.49	-1.10e-03
	97	-45.29	15.77	418.61	-6.08	-8.48	1.08e-03
	96	49.06	-12.13	-493.14	5.92	8.49	-1.10e-03
48	102	-5.75	-34.68	-228.58	1.69	-21.65	-3.11e-03
	99	5.76	34.45	153.47	-1.76	21.67	3.14e-03

	99	5.76	34.45	153.47	-1.76	21.67	3.14e-03
	102	-5.75	-34.68	-228.58	1.69	-21.65	-3.11e-03
	93	-7.95	-27.30	-185.90	1.19	-27.71	-3.41e-03
	92	7.96	27.07	110.78	-1.26	27.73	3.44e-03
50	2	-0.05	-8.57	-77.45	15.74	-0.14	0.01
	87	0.63	-1.60	-24.73	3.40	8.76	8.22e-03
	107	0.30	-1.09	-28.31	1.98	3.89	6.67e-03
	2	-0.05	-8.57	-77.45	15.74	-0.14	0.01
	102	-0.90	-2.57	-45.45	5.38	-12.80	1.68e-03
	99	0.87	-1.62	-26.55	3.45	12.70	7.47e-03
51	97	-55.16	-6.07	-521.94	5.02	-8.72	-1.08e-03
	96	51.38	11.77	441.69	-5.32	8.77	1.10e-03
	99	50.36	16.94	415.96	-5.81	9.03	1.10e-03
	102	-54.15	-11.23	-496.20	5.51	-8.98	-1.08e-03
	102	-54.15	-11.23	-496.20	5.51	-8.98	-1.08e-03
	99	50.36	16.94	415.96	-5.81	9.03	1.10e-03
53	96	5.83	-35.40	-225.57	1.71	21.81	3.26e-03
	97	-5.82	33.57	156.95	-1.66	-21.79	-3.09e-03
	97	-5.82	33.57	156.95	-1.66	-21.79	-3.09e-03
	96	5.83	-35.40	-225.57	1.71	21.81	3.26e-03
	93	-7.95	31.18	138.82	-1.53	-27.71	-3.69e-03
	92	7.96	-33.02	-207.44	1.58	27.73	3.86e-03
93	5	5.35e-04	0.70	-15.95	0.18	6.21e-03	0.0
	4	-1.16e-03	33.98	8.72	-0.09	-0.01	0.0
	87	2.40	28.84	-7.35	-0.61	11.74	0.0
	90	-2.40	-2.87	-6.23	0.47	-11.76	0.0
	101	-3.16	7.80	-5.10	0.12	-14.47	0.0
	100	3.16	18.17	-8.47	-0.26	14.46	0.0
95	2	-1.27e-03	-20.21	-80.02	0.15	-0.01	0.0
	13	-3.60e-04	-2.61	-25.19	6.89e-03	-4.18e-03	0.0
	93	-2.43	11.93	-32.77	-0.54	-11.82	0.0
	92	2.42	-21.73	-36.06	0.55	11.81	0.0
	101	-3.16	6.83	-34.68	-0.38	-14.47	0.0
	100	3.16	-16.63	-34.14	0.39	14.46	0.0

15 RISULTATI ELEMENTI TIPO TRAVE

15.1 LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

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

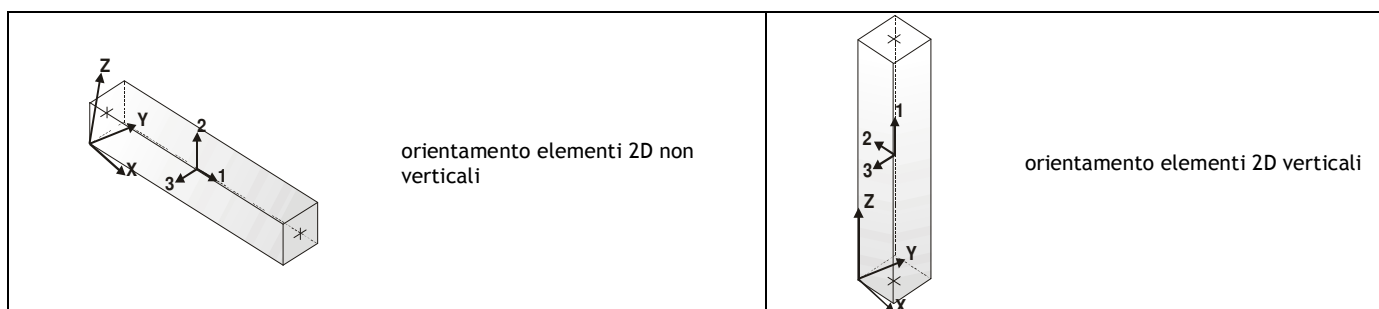
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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

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

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



	Pilas. M 2	Cmb M 3	M3 mx/mn kN m	M2 mx/mn m	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	
					cm	kN	kN	kN	kN m	kN m	kN m	
90	1	-0.06	-0.03	3.05e-06	0.0	0.0	-20.01	0.09	-0.03	-6.44e-05	-0.03	-0.07
		-0.07	-0.04	0.0	0.0	11.0	-19.92	0.09	-0.03	-6.44e-05	-0.04	-0.06
90	2	-0.07	-0.04	2.63e-06	0.0	0.0	-27.23	0.09	-0.07	-1.38e-04	-0.04	-0.08
		-0.08	-0.05	0.0	0.0	11.0	-27.15	0.09	-0.07	-1.38e-04	-0.05	-0.07
90	3	-0.06	-0.03	3.08e-06	0.0	0.0	-14.92	0.09	-0.02	-5.98e-05	-0.03	-0.07
		-0.07	-0.04	0.0	0.0	11.0	-14.86	0.09	-0.02	-5.98e-05	-0.04	-0.06
90	6	-0.11	-0.06	4.87e-06	0.0	0.0	-23.71	0.15	-0.04	-1.45e-04	-0.06	-0.13
		-0.13	-0.07	0.0	0.0	11.0	-23.63	0.15	-0.04	-1.45e-04	-0.07	-0.11
90	7	-0.11	-0.06	5.19e-06	0.0	0.0	-13.57	0.15	-3.18e-03	-8.93e-05	-0.06	-0.12
		-0.12	-0.06	0.0	0.0	11.0	-13.51	0.15	-3.18e-03	-8.93e-05	-0.06	-0.11
90	9	-0.04	-0.02	2.02e-06	0.0	0.0	-15.60	0.06	-0.03	-4.50e-05	-0.02	-0.05
		-0.05	-0.03	0.0	0.0	11.0	-15.53	0.06	-0.03	-4.50e-05	-0.03	-0.04
90	10	-0.05	-0.03	1.74e-06	0.0	0.0	-20.41	0.06	-0.05	-9.39e-05	-0.03	-0.05
		-0.05	-0.03	0.0	0.0	11.0	-20.35	0.06	-0.05	-9.39e-05	-0.03	-0.05
90	11	-0.07	-0.04	3.43e-06	0.0	0.0	-14.70	0.10	-0.02	-6.47e-05	-0.04	-0.08
		-0.08	-0.04	0.0	0.0	11.0	-14.63	0.10	-0.02	-6.47e-05	-0.04	-0.07
90	12	-0.07	-0.04	3.23e-06	0.0	0.0	-18.07	0.10	-0.03	-9.89e-05	-0.04	-0.09
		-0.09	-0.05	0.0	0.0	11.0	-18.00	0.10	-0.03	-9.89e-05	-0.05	-0.07
90	13	-1.10e-03	2.25e-03	0.0	0.0	0.0	-16.95	4.21e-03	-0.05	-1.55e-05	2.25e-03	-1.56e-03
		-1.56e-03	-2.85e-03	0.0	0.0	11.0	-16.88	4.21e-03	-0.05	-1.55e-05	-2.85e-03	-1.10e-03
90	14	-3.48e-03	-4.02e-06	0.0	0.0	0.0	-19.36	4.54e-03	-0.06	-3.99e-05	-4.02e-06	-3.98e-03
		-3.98e-03	-6.24e-03	0.0	0.0	11.0	-19.29	4.54e-03	-0.06	-3.99e-05	-6.24e-03	-3.48e-03
90	15	-0.02	-6.02e-03	0.0	0.0	0.0	-16.50	0.02	-0.04	-2.53e-05	-6.02e-03	-0.02
		-0.02	-0.01	0.0	0.0	11.0	-16.43	0.02	-0.04	-2.53e-05	-0.01	-0.02
90	16	-0.02	-7.38e-03	0.0	0.0	0.0	-17.94	0.02	-0.05	-4.00e-05	-7.38e-03	-0.02
		-0.02	-0.01	0.0	0.0	11.0	-17.88	0.02	-0.05	-4.00e-05	-0.01	-0.02
90	17	-1.10e-03	2.25e-03	0.0	0.0	0.0	-16.95	4.21e-03	-0.05	-1.55e-05	2.25e-03	-1.56e-03
		-1.56e-03	-2.85e-03	0.0	0.0	11.0	-16.88	4.21e-03	-0.05	-1.55e-05	-2.85e-03	-1.10e-03
90	18	-2.52e-03	8.98e-04	0.0	0.0	0.0	-18.39	4.41e-03	-0.05	-3.01e-05	8.98e-04	-3.01e-03
		-3.01e-03	-4.88e-03	0.0	0.0	11.0	-18.33	4.41e-03	-0.05	-3.01e-05	-4.88e-03	-2.52e-03
90	28	-0.40	0.79	-1.31e-05	0.0	0.0	-195.72	0.74	-29.75	-1.08e-03	0.79	-0.49
		-0.49	-2.48	1.90e-04	0.0	11.0	-195.65	0.74	-29.75	-1.08e-03	-2.48	-0.40
90	29	0.48	2.47	1.27e-05	0.0	0.0	158.94	-0.73	29.65	1.02e-03	-0.79	0.48
		0.40	-0.79	-1.91e-04	0.0	11.0	159.00	-0.73	29.65	1.02e-03	2.47	0.40
90	31	-0.34	0.82	-1.95e-05	0.0	0.0	-200.53	1.04	-29.76	-1.07e-03	0.82	-0.44
		-0.44	-2.45	1.90e-04	0.0	11.0	-200.46	1.04	-29.76	-1.07e-03	-2.45	-0.34
90	32	-0.40	0.79	-1.34e-05	0.0	0.0	-195.46	0.71	-29.73	-1.10e-03	0.79	-0.49
		-0.49	-2.48	1.91e-04	0.0	11.0	-195.40	0.71	-29.73	-1.10e-03	-2.48	-0.40
90	33	0.48	2.47	1.31e-05	0.0	0.0	158.68	-0.70	29.63	1.04e-03	-0.79	0.48
		0.40	-0.79	-1.91e-04	0.0	11.0	158.75	-0.70	29.63	1.04e-03	2.47	0.40
90	34	0.43	2.44	1.91e-05	0.0	0.0	163.75	-1.04	29.65	1.01e-03	-0.82	0.43
		0.33	-0.82	-1.90e-04	0.0	11.0	163.81	-1.04	29.65	1.01e-03	2.44	0.33
90	60	-0.30	0.58	-8.86e-06	0.0	0.0	-147.09	0.52	-21.67	-7.90e-04	0.58	-0.36
		-0.36	-1.81	1.38e-04	0.0	11.0	-147.03	0.52	-21.67	-7.90e-04	-1.81	-0.30
90	61	0.35	1.80	8.51e-06	0.0	0.0	110.31	-0.51	21.56	7.30e-04	-0.58	0.35
		0.29	-0.58	-1.39e-04	0.0	11.0	110.37	-0.51	21.56	7.30e-04	1.80	0.29
90	63	-0.24	0.60	-1.46e-05	0.0	0.0	-151.32	0.78	-21.67	-7.87e-04	0.60	-0.32
		-0.32	-1.78	1.38e-04	0.0	11.0	-151.26	0.78	-21.67	-7.87e-04	-1.78	-0.24
90	64	-0.30	0.58	-9.18e-06	0.0	0.0	-146.87	0.49	-21.65	-8.12e-04	0.58	-0.36
		-0.36	-1.81	1.39e-04	0.0	11.0	-146.81	0.49	-21.65	-8.12e-04	-1.81	-0.30
90	65	0.35	1.80	8.84e-06	0.0	0.0	110.09	-0.48	21.55	7.51e-04	-0.58	0.35
		0.29	-0.58	-1.39e-04	0.0	11.0	110.16	-0.48	21.55	7.51e-04	1.80	0.29
90	66	0.31	1.78	1.43e-05	0.0	0.0	114.54	-0.78	21.57	7.27e-04	-0.60	0.31
		0.24	-0.60	-1.39e-04	0.0	11.0	114.61	-0.78	21.57	7.27e-04	1.78	0.24

90	83	0.08	0.04	-9.30e-06	0.0	0.0	-24.41	0.36	-0.04	-5.70e-05	0.04	0.05
		0.05	0.03	0.0	0.0	11.0	-24.34	0.36	-0.04	-5.70e-05	0.03	0.08
90	84	-0.06	-0.04	8.95e-06	0.0	0.0	-12.38	-0.35	-0.06	-3.27e-06	-0.04	-0.06
		-0.09	-0.04	0.0	0.0	11.0	-12.31	-0.35	-0.06	-3.27e-06	-0.04	-0.09
90	85	0.08	0.03	-8.32e-06	0.0	0.0	-25.06	0.44	-0.08	5.93e-06	0.03	0.06
		0.06	0.03	-1.48e-06	0.0	11.0	-25.00	0.44	-0.08	5.93e-06	0.03	0.08
90	86	-0.06	-0.03	7.97e-06	0.0	0.0	-11.72	-0.43	-0.02	-6.62e-05	-0.03	-0.06
		-0.09	-0.04	0.0	0.0	11.0	-11.66	-0.43	-0.02	-6.62e-05	-0.04	-0.09
90	96	-0.48	0.95	-1.58e-05	0.0	0.0	-230.28	0.89	-35.52	-1.28e-03	0.95	-0.58
		-0.58	-2.96	2.27e-04	0.0	11.0	-230.21	0.89	-35.52	-1.28e-03	-2.96	-0.48
90	97	0.57	2.95	1.55e-05	0.0	0.0	193.49	-0.88	35.41	1.22e-03	-0.95	0.57
		0.48	-0.95	-2.28e-04	0.0	11.0	193.56	-0.88	35.41	1.22e-03	2.95	0.48
90	99	-0.40	0.98	-2.31e-05	0.0	0.0	-235.75	1.24	-35.53	-1.27e-03	0.98	-0.52
		-0.52	-2.93	2.26e-04	0.0	11.0	-235.68	1.24	-35.53	-1.27e-03	-2.93	-0.40
90	100	-0.48	0.95	-1.62e-05	0.0	0.0	-229.98	0.85	-35.49	-1.31e-03	0.95	-0.58
		-0.58	-2.96	2.28e-04	0.0	11.0	-229.92	0.85	-35.49	-1.31e-03	-2.96	-0.48
90	101	0.58	2.95	1.59e-05	0.0	0.0	193.20	-0.84	35.39	1.25e-03	-0.95	0.58
		0.48	-0.95	-2.28e-04	0.0	11.0	193.26	-0.84	35.39	1.25e-03	2.95	0.48
90	102	0.52	2.92	2.27e-05	0.0	0.0	198.96	-1.23	35.42	1.21e-03	-0.98	0.52
		0.40	-0.98	-2.27e-04	0.0	11.0	199.03	-1.23	35.42	1.21e-03	2.92	0.40
102	3	0.03	0.07	0.0	0.0	0.0	-5.87	-0.04	-0.09	0.0	0.07	0.03
		-0.02	-0.04	-2.73e-05	0.0	120.0	-5.16	-0.04	-0.09	0.0	-0.04	-0.02
102	5	0.06	0.11	0.0	0.0	0.0	-7.87	-0.07	-0.14	0.0	0.11	0.06
		-0.03	-0.06	-4.30e-05	0.0	120.0	-6.94	-0.07	-0.14	0.0	-0.06	-0.03
102	6	0.06	0.12	-5.84e-06	0.0	0.0	-8.16	-0.08	-0.15	0.0	0.12	0.06
		-0.03	-0.06	-5.52e-05	0.0	120.0	-7.23	-0.08	-0.15	0.0	-0.06	-0.03
102	8	0.06	0.12	-5.33e-06	0.0	0.0	-6.59	-0.07	-0.15	0.0	0.12	0.06
		-0.03	-0.06	-5.32e-05	0.0	120.0	-5.87	-0.07	-0.15	0.0	-0.06	-0.03
102	9	0.02	0.04	0.0	0.0	0.0	-5.66	-0.03	-0.06	0.0	0.04	0.02
		-0.02	-0.03	-2.04e-05	0.0	120.0	-4.94	-0.03	-0.06	0.0	-0.03	-0.02
102	11	0.04	0.08	0.0	0.0	0.0	-5.94	-0.05	-0.10	0.0	0.08	0.04
		-0.02	-0.04	-2.96e-05	0.0	120.0	-5.23	-0.05	-0.10	0.0	-0.04	-0.02
102	12	0.04	0.08	-4.11e-06	0.0	0.0	-6.14	-0.05	-0.10	0.0	0.08	0.04
		-0.02	-0.04	-3.77e-05	0.0	120.0	-5.42	-0.05	-0.10	0.0	-0.04	-0.02
102	13	-9.63e-04	-1.57e-03	-1.68e-06	0.0	0.0	-5.23	-4.21e-03	-6.71e-03	0.0	-1.57e-03	-9.63e-04
		-6.01e-03	-9.62e-03	-6.64e-06	0.0	120.0	-4.52	-4.21e-03	-6.71e-03	0.0	-9.62e-03	-6.01e-03
102	15	6.56e-03	0.01	-1.35e-06	0.0	0.0	-5.37	-0.01	-0.02	0.0	0.01	6.56e-03
		-9.17e-03	-0.02	-1.12e-05	0.0	120.0	-4.66	-0.01	-0.02	0.0	-0.02	-9.17e-03
102	16	8.08e-03	0.02	-3.09e-06	0.0	0.0	-5.46	-0.01	-0.03	0.0	0.02	8.08e-03
		-8.96e-03	-0.02	-1.47e-05	0.0	120.0	-4.74	-0.01	-0.03	0.0	-0.02	-8.96e-03
102	17	-9.63e-04	-1.57e-03	-1.68e-06	0.0	0.0	-5.23	-4.21e-03	-6.71e-03	0.0	-1.57e-03	-9.63e-04
		-6.01e-03	-9.62e-03	-6.64e-06	0.0	120.0	-4.52	-4.21e-03	-6.71e-03	0.0	-9.62e-03	-6.01e-03
102	18	5.54e-04	1.16e-03	-3.41e-06	0.0	0.0	-5.32	-5.29e-03	-8.77e-03	0.0	1.16e-03	5.54e-04
		-5.80e-03	-9.37e-03	-1.01e-05	0.0	120.0	-4.60	-5.29e-03	-8.77e-03	0.0	-9.37e-03	-5.80e-03
102	20	0.32	0.12	2.23e-03	0.0	0.0	40.10	-0.26	-0.07	0.0	0.12	0.32
		0.02	0.05	-2.29e-04	0.0	120.0	40.81	-0.26	-0.07	0.0	0.05	0.02
102	21	-0.03	-0.07	-2.24e-03	0.0	0.0	-50.73	0.25	0.05	0.0	-0.12	-0.31
		-0.31	-0.12	2.09e-04	0.0	120.0	-50.01	0.25	0.05	0.0	-0.07	-0.31
102	31	0.27	0.05	2.35e-03	0.0	0.0	42.70	-0.24	-0.02	0.0	0.05	0.27
		-0.02	0.01	-1.78e-04	0.0	120.0	43.42	-0.24	-0.02	0.0	0.01	-0.02
102	34	5.59e-03	-0.03	-2.36e-03	0.0	0.0	-53.33	0.23	6.60e-03	0.0	-0.03	-0.27
		-0.27	-0.05	1.58e-04	0.0	120.0	-52.62	0.23	6.60e-03	0.0	-0.05	5.59e-03
102	40	0.15	0.14	7.06e-04	0.0	0.0	6.68	-0.12	-0.10	0.0	0.14	0.15
		0.03	0.06	-1.40e-04	0.0	120.0	7.40	-0.12	-0.10	0.0	0.06	0.03
102	41	-0.04	-0.08	-7.13e-04	0.0	0.0	-17.31	0.11	0.09	0.0	-0.14	-0.15
		-0.15	-0.14	1.20e-04	0.0	120.0	-16.60	0.11	0.09	0.0	-0.08	-0.15
102	52	0.23	0.09	1.62e-03	0.0	0.0	27.60	-0.19	-0.05	0.0	0.09	0.23
		0.01	0.04	-1.73e-04	0.0	120.0	28.32	-0.19	-0.05	0.0	0.04	0.01
102	53	-0.02	-0.06	-1.62e-03	0.0	0.0	-38.24	0.18	0.03	0.0	-0.09	-0.23
		-0.23	-0.09	1.53e-04	0.0	120.0	-37.52	0.18	0.03	0.0	-0.06	-0.23
102	63	0.20	0.03	1.71e-03	0.0	0.0	29.69	-0.17	-0.02	0.0	0.03	0.20
		-0.02	3.77e-03	-1.28e-04	0.0	120.0	30.41	-0.17	-0.02	0.0	3.77e-03	-0.02
102	66	3.99e-03	-0.02	-1.72e-03	0.0	0.0	-40.33	0.16	1.52e-03	0.0	-0.02	-0.20
		-0.20	-0.03	1.08e-04	0.0	120.0	-39.61	0.16	1.52e-03	0.0	-0.03	3.99e-03
102	72	0.11	0.12	5.13e-04	0.0	0.0	3.30	-0.09	-0.08	0.0	0.12	0.11
		0.03	0.05	-1.18e-04	0.0	120.0	4.02	-0.09	-0.08	0.0	0.05	0.03
102	73	-0.04	-0.07	-5.20e-04	0.0	0.0	-13.94	0.08	0.06	0.0	-0.11	-0.11
		-0.11	-0.11	9.78e-05	0.0	120.0	-13.22	0.08	0.06	0.0	-0.07	-0.11
102	83	-0.03	-0.06	-4.97e-06	0.0	0.0	-3.78	0.02	0.05	0.0	-0.08	-0.04
		-0.04	-0.08	5.00e-05	0.0	120.0	-3.07	0.02	0.05	0.0	-0.06	-0.04
102	84	0.05	0.09	-1.85e-06	0.0	0.0	-6.85	-0.03	-0.07	0.0	0.09	0.05
		0.02	0.04	-7.02e-05	0.0	120.0	-6.14	-0.03	-0.07	0.0	0.04	0.02
102	85	-0.04	-0.07	-1.52e-05	0.0	0.0	-3.70	0.02	0.04	0.0	-0.08	-0.04
		-0.04	-0.08	4.75e-05	0.0	120.0	-2.99	0.02	0.04	0.0	-0.07	-0.04
102	86	0.04	0.09	8.42e-06	0.0	0.0	-6.93	-0.03	-0.06	0.0	0.09	0.04

		0.03	0.05	-6.77e-05	0.0	120.0	-6.22	-0.03	-0.06	0.0	0.05	0.03
102	88	0.38	0.14	2.67e-03	0.0	0.0	49.12	-0.30	-0.08	0.0	0.14	0.38
		0.02	0.06	-2.71e-04	0.0	120.0	49.83	-0.30	-0.08	0.0	0.06	0.02
102	89	-0.03	-0.08	-2.68e-03	0.0	0.0	-59.75	0.29	0.06	0.0	-0.14	-0.38
		-0.38	-0.14	2.51e-04	0.0	120.0	-59.04	0.29	0.06	0.0	-0.08	-0.03
102	95	0.33	0.06	2.81e-03	0.0	0.0	52.00	-0.28	-0.02	0.0	0.06	0.33
		-0.02	0.02	-2.11e-04	0.0	120.0	52.72	-0.28	-0.02	0.0	0.02	-0.02
102	98	4.86e-03	-0.04	-2.82e-03	0.0	0.0	-62.64	0.27	4.68e-03	0.0	-0.06	-0.32
		-0.32	-0.06	1.91e-04	0.0	120.0	-61.92	0.27	4.68e-03	0.0	-0.04	4.86e-03
102	108	0.17	0.16	8.43e-04	0.0	0.0	9.07	-0.14	-0.12	0.0	0.16	0.17
		0.03	0.07	-1.60e-04	0.0	120.0	9.78	-0.14	-0.12	0.0	0.07	0.03
102	109	-0.05	-0.09	-8.50e-04	0.0	0.0	-19.70	0.13	0.10	0.0	-0.16	-0.17
		-0.17	-0.16	1.40e-04	0.0	120.0	-18.99	0.13	0.10	0.0	-0.09	-0.05
114	2	0.02	0.01	3.08e-05	0.0	0.0	-6.75	0.02	0.01	0.0	-2.07e-03	1.64e-03
		1.64e-03	-2.07e-03	-1.06e-05	0.0	120.0	-5.82	0.02	0.01	0.0	0.01	0.02
114	5	0.03	0.02	6.01e-05	0.0	0.0	-5.79	0.03	0.02	0.0	-6.13e-03	-2.24e-03
		-2.24e-03	-6.13e-03	0.0	0.0	120.0	-4.86	0.03	0.02	0.0	0.02	0.03
114	7	0.03	0.01	5.95e-05	0.0	0.0	-4.22	0.03	0.02	0.0	-6.88e-03	-3.58e-03
		-3.58e-03	-6.88e-03	0.0	0.0	120.0	-3.50	0.03	0.02	0.0	0.01	0.03
114	10	0.02	8.12e-03	2.08e-05	0.0	0.0	-5.20	0.01	7.64e-03	0.0	-1.05e-03	1.69e-03
		1.69e-03	-1.05e-03	-7.44e-06	0.0	120.0	-4.49	0.01	7.64e-03	0.0	8.12e-03	0.02
114	11	0.02	0.01	4.03e-05	0.0	0.0	-4.56	0.02	0.01	0.0	-3.76e-03	-8.93e-04
		-8.93e-04	-3.76e-03	0.0	0.0	120.0	-3.84	0.02	0.01	0.0	0.01	0.02
114	14	8.87e-03	5.56e-03	0.0	0.0	0.0	-5.42	3.48e-03	2.47e-03	0.0	2.59e-03	4.70e-03
		4.70e-03	2.59e-03	-5.78e-06	0.0	120.0	-4.71	3.48e-03	2.47e-03	0.0	5.56e-03	8.87e-03
114	15	0.01	6.96e-03	9.70e-06	0.0	0.0	-5.10	7.05e-03	4.77e-03	0.0	1.24e-03	3.41e-03
		3.41e-03	1.24e-03	-2.46e-06	0.0	120.0	-4.39	7.05e-03	4.77e-03	0.0	6.96e-03	0.01
114	17	9.55e-03	5.97e-03	2.04e-06	0.0	0.0	-5.23	4.22e-03	2.90e-03	0.0	2.48e-03	4.48e-03
		4.48e-03	2.48e-03	-2.87e-06	0.0	120.0	-4.52	4.22e-03	2.90e-03	0.0	5.97e-03	9.55e-03
114	18	9.14e-03	5.72e-03	0.0	0.0	0.0	-5.35	3.78e-03	2.65e-03	0.0	2.55e-03	4.61e-03
		4.61e-03	2.55e-03	-4.62e-06	0.0	120.0	-4.63	3.78e-03	2.65e-03	0.0	5.72e-03	9.14e-03
114	19	0.08	0.16	-2.20e-04	0.0	0.0	-51.42	0.08	-0.11	0.0	0.16	-0.01
		-0.01	0.03	2.23e-03	0.0	120.0	-50.71	0.08	-0.11	0.0	0.03	0.08
114	22	0.02	-0.02	2.22e-04	0.0	0.0	40.73	-0.07	0.11	0.0	-0.15	0.02
		-0.06	-0.15	-2.23e-03	0.0	120.0	41.44	-0.07	0.11	0.0	-0.02	-0.06
114	32	0.04	0.12	-1.58e-04	0.0	0.0	-53.29	0.07	-0.11	0.0	0.12	-0.05
		-0.05	-6.26e-03	2.36e-03	0.0	120.0	-52.58	0.07	-0.11	0.0	-6.26e-03	0.04
114	33	0.06	0.02	1.60e-04	0.0	0.0	42.60	-0.06	0.11	0.0	-0.12	0.06
		-0.02	-0.12	-2.37e-03	0.0	120.0	43.31	-0.06	0.11	0.0	0.02	-0.02
114	35	0.11	0.08	-1.49e-04	0.0	0.0	-18.51	0.05	-0.02	0.0	0.08	0.05
		0.05	0.06	6.63e-04	0.0	120.0	-17.80	0.05	-0.02	0.0	0.06	0.11
114	38	-0.04	-0.05	1.51e-04	0.0	0.0	7.82	-0.04	0.02	0.0	-0.08	-0.04
		-0.09	-0.08	-6.72e-04	0.0	120.0	8.53	-0.04	0.02	0.0	-0.05	-0.09
114	51	0.07	0.12	-1.64e-04	0.0	0.0	-38.77	0.06	-0.08	0.0	0.12	-6.04e-03
		-6.04e-03	0.03	1.61e-03	0.0	120.0	-38.06	0.06	-0.08	0.0	0.03	0.07
114	54	0.02	-0.01	1.66e-04	0.0	0.0	28.08	-0.05	0.08	0.0	-0.11	0.02
		-0.05	-0.11	-1.62e-03	0.0	120.0	28.79	-0.05	0.08	0.0	-0.01	-0.05
114	64	0.03	0.09	-1.10e-04	0.0	0.0	-40.29	0.05	-0.08	0.0	0.09	-0.03
		-0.03	-4.60e-03	1.71e-03	0.0	120.0	-39.57	0.05	-0.08	0.0	-4.60e-03	0.03
114	65	0.04	0.02	1.12e-04	0.0	0.0	29.59	-0.04	0.08	0.0	-0.08	0.04
		-7.41e-03	-0.08	-1.72e-03	0.0	120.0	30.31	-0.04	0.08	0.0	0.02	-7.41e-03
114	67	0.09	0.07	-1.23e-04	0.0	0.0	-14.86	0.04	-0.01	0.0	0.07	0.04
		0.04	0.05	4.79e-04	0.0	120.0	-14.14	0.04	-0.01	0.0	0.05	0.09
114	70	-0.03	-0.04	1.25e-04	0.0	0.0	4.16	-0.04	0.02	0.0	-0.06	-0.03
		-0.08	-0.06	-4.88e-04	0.0	120.0	4.88	-0.04	0.02	0.0	-0.04	-0.08
114	83	0.08	0.04	-7.30e-05	0.0	0.0	-4.84	0.03	0.01	0.0	0.03	0.05
		0.05	0.03	-6.17e-06	0.0	120.0	-4.12	0.03	0.01	0.0	0.04	0.08
114	84	-0.04	-0.03	7.45e-05	0.0	0.0	-5.86	-0.02	-7.47e-03	0.0	-0.03	-0.04
		-0.06	-0.03	-3.07e-06	0.0	120.0	-5.14	-0.02	-7.47e-03	0.0	-0.03	-0.06
114	85	0.06	0.04	-7.08e-05	0.0	0.0	-4.44	0.02	8.74e-03	0.0	0.03	0.04
		0.04	0.03	-1.64e-05	0.0	120.0	-3.73	0.02	8.74e-03	0.0	0.04	0.06
114	86	-0.03	-0.02	7.24e-05	0.0	0.0	-6.25	-0.01	-3.45e-03	0.0	-0.02	-0.03
		-0.04	-0.02	7.18e-06	0.0	120.0	-5.54	-0.01	-3.45e-03	0.0	-0.02	-0.04
114	87	0.09	0.19	-2.62e-04	0.0	0.0	-60.56	0.09	-0.13	0.0	0.19	-0.02
		-0.02	0.03	2.67e-03	0.0	120.0	-59.85	0.09	-0.13	0.0	0.03	0.09
114	90	0.03	-0.02	2.64e-04	0.0	0.0	49.87	-0.09	0.14	0.0	-0.18	0.03
		-0.07	-0.18	-2.68e-03	0.0	120.0	50.58	-0.09	0.14	0.0	-0.02	-0.07
114	100	0.04	0.14	-1.91e-04	0.0	0.0	-62.58	0.08	-0.13	0.0	0.14	-0.06
		-0.06	-7.92e-03	2.82e-03	0.0	120.0	-61.87	0.08	-0.13	0.0	-7.92e-03	0.04
114	101	0.07	0.02	1.92e-04	0.0	0.0	51.89	-0.07	0.13	0.0	-0.14	0.07
		-0.02	-0.14	-2.83e-03	0.0	120.0	52.60	-0.07	0.13	0.0	0.02	-0.02
114	103	0.12	0.09	-1.73e-04	0.0	0.0	-21.14	0.06	-0.02	0.0	0.09	0.05
		0.05	0.06	7.95e-04	0.0	120.0	-20.42	0.06	-0.02	0.0	0.06	0.12
114	106	-0.04	-0.05	1.75e-04	0.0	0.0	10.44	-0.05	0.03	0.0	-0.09	-0.04
		-0.10	-0.09	-8.05e-04	0.0	120.0	11.16	-0.05	0.03	0.0	-0.05	-0.10

116	2	0.02	0.01	3.44e-05	0.0	0.0	-2.32	-0.02	-9.15e-03	0.0	0.01	0.02
		0.0	0.0	-1.11e-05	0.0	120.0	-1.40	-0.02	-9.15e-03	0.0	0.0	0.0
116	5	0.03	0.02	6.54e-05	0.0	0.0	-1.97	-0.03	-0.01	0.0	0.02	0.03
		0.0	0.0	-1.56e-06	0.0	120.0	-1.04	-0.03	-0.01	0.0	0.0	0.0
116	6	0.03	0.01	6.07e-05	0.0	0.0	-2.13	-0.02	-0.01	0.0	0.01	0.03
		0.0	0.0	-7.63e-06	0.0	120.0	-1.21	-0.02	-0.01	0.0	0.0	0.0
116	7	0.03	0.01	6.43e-05	0.0	0.0	-1.44	-0.02	-0.01	0.0	0.01	0.03
		0.0	0.0	0.0	0.0	120.0	-0.73	-0.02	-0.01	0.0	0.0	0.0
116	8	0.03	0.01	5.96e-05	0.0	0.0	-1.61	-0.02	-0.01	0.0	0.01	0.03
		0.0	0.0	-6.79e-06	0.0	120.0	-0.90	-0.02	-0.01	0.0	0.0	0.0
116	10	0.01	8.12e-03	2.34e-05	0.0	0.0	-1.78	-0.01	-6.77e-03	0.0	8.12e-03	0.01
		0.0	0.0	-7.74e-06	0.0	120.0	-1.07	-0.01	-6.77e-03	0.0	0.0	0.0
116	11	0.02	0.01	4.41e-05	0.0	0.0	-1.54	-0.02	-9.07e-03	0.0	0.01	0.02
		0.0	0.0	-1.41e-06	0.0	120.0	-0.83	-0.02	-9.07e-03	0.0	0.0	0.0
116	12	0.02	0.01	4.10e-05	0.0	0.0	-1.65	-0.02	-8.59e-03	0.0	0.01	0.02
		0.0	0.0	-5.46e-06	0.0	120.0	-0.94	-0.02	-8.59e-03	0.0	0.0	0.0
116	14	8.42e-03	5.61e-03	1.43e-06	0.0	0.0	-1.82	-7.02e-03	-4.68e-03	0.0	5.61e-03	8.42e-03
		0.0	0.0	-5.67e-06	0.0	120.0	-1.10	-7.02e-03	-4.68e-03	0.0	0.0	0.0
116	15	0.01	6.99e-03	1.18e-05	0.0	0.0	-1.70	-9.85e-03	-5.83e-03	0.0	6.99e-03	0.01
		0.0	0.0	-2.51e-06	0.0	120.0	-0.98	-9.85e-03	-5.83e-03	0.0	0.0	0.0
116	16	0.01	6.75e-03	1.04e-05	0.0	0.0	-1.75	-9.37e-03	-5.62e-03	0.0	6.75e-03	0.01
		0.0	0.0	-4.24e-06	0.0	120.0	-1.03	-9.37e-03	-5.62e-03	0.0	0.0	0.0
116	17	9.39e-03	6.02e-03	3.68e-06	0.0	0.0	-1.74	-7.82e-03	-5.02e-03	0.0	6.02e-03	9.39e-03
		0.0	0.0	-2.78e-06	0.0	120.0	-1.02	-7.82e-03	-5.02e-03	0.0	0.0	0.0
116	18	8.81e-03	5.78e-03	2.33e-06	0.0	0.0	-1.79	-7.34e-03	-4.81e-03	0.0	5.78e-03	8.81e-03
		0.0	0.0	-4.52e-06	0.0	120.0	-1.07	-7.34e-03	-4.81e-03	0.0	0.0	0.0
116	19	0.06	0.10	-2.19e-04	0.0	0.0	-14.79	-0.05	-0.08	0.0	0.10	0.06
		0.0	0.0	2.24e-03	0.0	120.0	-14.08	-0.05	-0.08	0.0	0.0	0.0
116	22	0.0	0.0	2.23e-04	0.0	0.0	11.22	0.04	0.07	0.0	-0.08	-0.05
		-0.05	-0.08	-2.25e-03	0.0	120.0	11.94	0.04	0.07	0.0	0.0	0.0
116	28	0.01	0.04	-1.63e-04	0.0	0.0	-15.25	-0.01	-0.04	0.0	0.04	0.01
		0.0	0.0	2.36e-03	0.0	120.0	-14.53	-0.01	-0.04	0.0	0.0	0.0
116	29	5.14e-03	0.0	1.67e-04	0.0	0.0	11.68	-4.28e-03	0.03	0.0	-0.03	5.14e-03
		0.0	-0.03	-2.37e-03	0.0	120.0	12.39	-4.28e-03	0.03	0.0	0.0	0.0
116	35	0.10	0.08	-1.35e-04	0.0	0.0	-5.28	-0.08	-0.06	0.0	0.08	0.10
		0.0	0.0	6.66e-04	0.0	120.0	-4.57	-0.08	-0.06	0.0	0.0	0.0
116	38	0.0	0.0	1.39e-04	0.0	0.0	1.71	0.07	0.05	0.0	-0.06	-0.08
		-0.08	-0.06	-6.75e-04	0.0	120.0	2.43	0.07	0.05	0.0	0.0	0.0
116	51	0.05	0.07	-1.62e-04	0.0	0.0	-11.21	-0.04	-0.06	0.0	0.07	0.05
		0.0	0.0	1.62e-03	0.0	120.0	-10.49	-0.04	-0.06	0.0	0.0	0.0
116	54	0.0	0.0	1.66e-04	0.0	0.0	7.64	0.03	0.05	0.0	-0.06	-0.04
		-0.04	-0.06	-1.63e-03	0.0	120.0	8.35	0.03	0.05	0.0	0.0	0.0
116	60	7.43e-03	0.03	-1.14e-04	0.0	0.0	-11.61	-6.19e-03	-0.03	0.0	0.03	7.43e-03
		0.0	0.0	1.72e-03	0.0	120.0	-10.89	-6.19e-03	-0.03	0.0	0.0	0.0
116	61	0.01	0.0	1.19e-04	0.0	0.0	8.04	-8.49e-03	0.02	0.0	-0.02	0.01
		0.0	-0.02	-1.73e-03	0.0	120.0	8.75	-8.49e-03	0.02	0.0	0.0	0.0
116	67	0.09	0.06	-1.09e-04	0.0	0.0	-4.26	-0.07	-0.05	0.0	0.06	0.09
		0.0	0.0	4.82e-04	0.0	120.0	-3.54	-0.07	-0.05	0.0	0.0	0.0
116	70	0.0	0.0	1.14e-04	0.0	0.0	0.69	0.06	0.04	0.0	-0.05	-0.07
		-0.07	-0.05	-4.91e-04	0.0	120.0	1.40	0.06	0.04	0.0	0.0	0.0
116	83	0.08	0.04	-5.95e-05	0.0	0.0	-1.43	-0.06	-0.04	0.0	0.04	0.08
		0.0	0.0	-6.70e-06	0.0	120.0	-0.72	-0.06	-0.04	0.0	0.0	0.0
116	84	0.0	0.0	6.42e-05	0.0	0.0	-2.14	0.05	0.03	0.0	-0.03	-0.06
		-0.06	-0.03	-2.33e-06	0.0	120.0	-1.42	0.05	0.03	0.0	0.0	0.0
116	87	0.07	0.11	-2.61e-04	0.0	0.0	-17.38	-0.06	-0.09	0.0	0.11	0.07
		0.0	0.0	2.68e-03	0.0	120.0	-16.67	-0.06	-0.09	0.0	0.0	0.0
116	90	0.0	0.0	2.66e-04	0.0	0.0	13.81	0.05	0.08	0.0	-0.10	-0.06
		-0.06	-0.10	-2.69e-03	0.0	120.0	14.53	0.05	0.08	0.0	0.0	0.0
116	96	0.01	0.05	-1.96e-04	0.0	0.0	-17.85	-0.01	-0.04	0.0	0.05	0.01
		0.0	0.0	2.82e-03	0.0	120.0	-17.14	-0.01	-0.04	0.0	0.0	0.0
116	97	2.85e-03	0.0	2.01e-04	0.0	0.0	14.28	-2.38e-03	0.03	0.0	-0.04	2.85e-03
		0.0	-0.04	-2.83e-03	0.0	120.0	15.00	-2.38e-03	0.03	0.0	0.0	0.0
116	103	0.11	0.09	-1.57e-04	0.0	0.0	-6.01	-0.09	-0.07	0.0	0.09	0.11
		0.0	0.0	7.99e-04	0.0	120.0	-5.29	-0.09	-0.07	0.0	0.0	0.0
116	106	0.0	0.0	1.61e-04	0.0	0.0	2.44	0.08	0.06	0.0	-0.08	-0.10
		-0.10	-0.08	-8.08e-04	0.0	120.0	3.15	0.08	0.06	0.0	0.0	0.0
117	2	0.01	0.15	-7.65e-06	0.0	0.0	-40.79	3.29e-03	0.23	-1.35e-05	-0.12	8.01e-03
		8.01e-03	-0.12	6.91e-05	0.0	120.0	-39.84	3.29e-03	0.23	-1.35e-05	0.15	0.01
117	3	-8.34e-04	0.10	-4.24e-06	0.0	0.0	-21.36	9.29e-04	0.08	-1.06e-04	6.58e-03	-1.95e-03
		-1.95e-03	6.58e-03	5.40e-05	0.0	120.0	-20.63	9.29e-04	0.08	-1.06e-04	0.10	-8.34e-04
117	6	6.37e-03	0.20	-9.48e-06	0.0	0.0	-37.19	3.20e-03	0.22	-1.10e-04	-0.06	2.53e-03
		2.53e-03	-0.06	9.94e-05	0.0	120.0	-36.24	3.20e-03	0.22	-1.10e-04	0.20	6.37e-03
117	7	-2.77e-03	0.16	-7.10e-06	0.0	0.0	-21.71	1.55e-03	0.11	-1.75e-04	0.02	-4.63e-03
		-4.63e-03	0.02	8.86e-05	0.0	120.0	-20.98	1.55e-03	0.11	-1.75e-04	0.16	-2.77e-03
117	9	1.35e-04	0.07	-2.81e-06	0.0	0.0	-21.19	6.21e-04	0.06	-7.22e-05	-2.31e-03	-6.10e-04

117	10	-6.10e-04	-2.31e-03	3.67e-05	0.0	120.0	-20.45	6.21e-04	0.06	-7.22e-05	0.07	1.35e-04
		8.25e-03	0.10	-5.10e-06	0.0	0.0	-29.97	2.19e-03	0.15	-9.56e-06	-0.08	5.62e-03
		5.62e-03	-0.08	4.64e-05	0.0	120.0	-29.24	2.19e-03	0.15	-9.56e-06	0.10	8.25e-03
117	11	-1.16e-03	0.11	-4.71e-06	0.0	0.0	-21.42	1.03e-03	0.08	-1.18e-04	9.54e-03	-2.39e-03
		-2.39e-03	9.54e-03	5.98e-05	0.0	120.0	-20.69	1.03e-03	0.08	-1.18e-04	0.11	-1.16e-03
117	12	4.52e-03	0.13	-6.31e-06	0.0	0.0	-27.57	2.13e-03	0.15	-7.38e-05	-0.05	1.96e-03
		1.96e-03	-0.05	6.65e-05	0.0	120.0	-26.84	2.13e-03	0.15	-7.38e-05	0.13	4.52e-03
117	13	2.07e-03	0.01	0.0	0.0	0.0	-20.84	4.52e-06	0.03	-4.03e-06	-0.02	2.07e-03
		2.07e-03	-0.02	2.09e-06	0.0	120.0	-20.11	4.52e-06	0.03	-4.03e-06	0.01	2.07e-03
117	14	6.13e-03	0.03	-1.09e-06	0.0	0.0	-25.23	7.90e-04	0.07	2.73e-05	-0.06	5.18e-03
		5.18e-03	-0.06	6.92e-06	0.0	120.0	-24.50	7.90e-04	0.07	2.73e-05	0.03	6.13e-03
117	15	1.43e-03	0.03	0.0	0.0	0.0	-20.95	2.10e-04	0.04	-2.68e-05	-0.01	1.17e-03
		1.17e-03	-0.01	1.36e-05	0.0	120.0	-20.22	2.10e-04	0.04	-2.68e-05	0.03	1.43e-03
117	16	3.86e-03	0.04	-1.59e-06	0.0	0.0	-23.59	6.82e-04	0.07	-7.96e-06	-0.04	3.04e-03
		3.04e-03	-0.04	1.65e-05	0.0	120.0	-22.86	6.82e-04	0.07	-7.96e-06	0.04	3.86e-03
117	17	2.07e-03	0.01	0.0	0.0	0.0	-20.84	4.52e-06	0.03	-4.03e-06	-0.02	2.07e-03
		2.07e-03	-0.02	2.09e-06	0.0	120.0	-20.11	4.52e-06	0.03	-4.03e-06	0.01	2.07e-03
117	18	4.51e-03	0.02	0.0	0.0	0.0	-23.47	4.76e-04	0.06	1.48e-05	-0.04	3.93e-03
		3.93e-03	-0.04	4.99e-06	0.0	120.0	-22.74	4.76e-04	0.06	1.48e-05	0.02	4.51e-03
117	21	-8.16	-0.10	2.72e-03	0.0	0.0	-72.63	-2.35	0.05	-2.80e-03	-0.16	-8.16
		-10.98	-0.16	-1.42e-04	0.0	120.0	-71.90	-2.35	0.05	-2.80e-03	-0.10	-10.98
117	23	11.10	0.09	-2.71e-03	0.0	0.0	29.30	2.31	0.02	3.07e-03	0.05	8.35
		8.35	0.05	7.52e-05	0.0	120.0	30.03	2.31	0.02	3.07e-03	0.09	11.10
117	26	-8.34	-0.04	2.71e-03	0.0	0.0	-76.24	-2.31	0.09	-3.04e-03	-0.14	-8.34
		-11.09	-0.14	-6.52e-05	0.0	120.0	-75.51	-2.31	0.09	-3.04e-03	-0.04	-11.09
117	27	7.65	0.08	-2.66e-03	0.0	0.0	37.86	1.97	0.02	2.68e-03	0.05	5.39
		5.39	0.05	7.97e-05	0.0	120.0	38.59	1.97	0.02	2.68e-03	0.08	7.65
117	30	-5.38	-0.03	2.66e-03	0.0	0.0	-84.80	-1.97	0.09	-2.65e-03	-0.14	-5.38
		-7.64	-0.14	-6.97e-05	0.0	120.0	-84.07	-1.97	0.09	-2.65e-03	-0.03	-7.64
117	36	3.20	0.15	-8.36e-04	0.0	0.0	-14.29	0.62	0.12	4.20e-04	0.01	2.28
		2.28	0.01	1.65e-04	0.0	120.0	-13.56	0.62	0.12	4.20e-04	0.15	3.20
117	53	-5.92	-0.06	1.97e-03	0.0	0.0	-58.90	-1.71	0.05	-2.00e-03	-0.13	-5.92
		-7.98	-0.13	-1.06e-04	0.0	120.0	-58.17	-1.71	0.05	-2.00e-03	-0.06	-7.98
117	55	8.07	0.07	-1.97e-03	0.0	0.0	15.08	1.67	0.03	2.25e-03	0.03	6.09
		6.09	0.03	4.77e-05	0.0	120.0	15.81	1.67	0.03	2.25e-03	0.07	8.07
117	58	-6.08	-0.02	1.97e-03	0.0	0.0	-62.03	-1.67	0.08	-2.22e-03	-0.11	-6.08
		-8.07	-0.11	-3.78e-05	0.0	120.0	-61.30	-1.67	0.08	-2.22e-03	-0.02	-8.07
117	59	5.58	0.06	-1.93e-03	0.0	0.0	21.43	1.44	0.03	1.98e-03	0.03	3.94
		3.94	0.03	5.23e-05	0.0	120.0	22.16	1.44	0.03	1.98e-03	0.06	5.58
117	62	-3.93	-0.02	1.93e-03	0.0	0.0	-68.38	-1.44	0.08	-1.95e-03	-0.11	-3.93
		-5.57	-0.11	-4.23e-05	0.0	120.0	-67.65	-1.44	0.08	-1.95e-03	-0.02	-5.57
117	68	2.31	0.12	-6.11e-04	0.0	0.0	-17.71	0.44	0.11	2.34e-04	1.41e-04	1.63
		1.63	1.41e-04	1.41e-04	0.0	120.0	-16.97	0.44	0.11	2.34e-04	0.12	2.31
117	83	0.15	-0.04	1.82e-05	0.0	0.0	-18.67	0.07	5.99e-03	3.97e-04	-0.06	0.15
		0.09	-0.06	-9.68e-05	0.0	120.0	-17.94	0.07	5.99e-03	3.97e-04	-0.04	0.09
117	84	-0.08	0.09	-1.95e-05	0.0	0.0	-28.28	-0.07	0.10	-3.67e-04	-0.03	-0.15
		-0.15	-0.03	1.07e-04	0.0	120.0	-27.54	-0.07	0.10	-3.67e-04	0.09	-0.08
117	85	0.34	-0.03	-1.84e-05	0.0	0.0	-18.90	-0.17	0.01	2.86e-04	-0.06	0.34
		0.19	-0.06	-9.74e-05	0.0	120.0	-18.17	-0.17	0.01	2.86e-04	-0.03	0.19
117	86	-0.18	0.08	1.72e-05	0.0	0.0	-28.05	0.18	0.10	-2.56e-04	-0.03	-0.33
		-0.33	-0.03	1.07e-04	0.0	120.0	-27.32	0.18	0.10	-2.56e-04	0.08	-0.18
117	89	-9.78	-0.12	3.25e-03	0.0	0.0	-82.48	-2.81	0.05	-3.36e-03	-0.18	-9.78
		-13.16	-0.18	-1.70e-04	0.0	120.0	-81.74	-2.81	0.05	-3.36e-03	-0.12	-13.16
117	91	13.29	0.10	-3.25e-03	0.0	0.0	39.66	2.77	0.02	3.67e-03	0.07	9.99
		9.99	0.07	9.23e-05	0.0	120.0	40.39	2.77	0.02	3.67e-03	0.10	13.29
117	94	-9.98	-0.06	3.25e-03	0.0	0.0	-86.61	-2.77	0.09	-3.64e-03	-0.16	-9.98
		-13.28	-0.16	-8.23e-05	0.0	120.0	-85.88	-2.77	0.09	-3.64e-03	-0.06	-13.28
117	95	9.13	0.09	-3.17e-03	0.0	0.0	49.66	2.35	0.01	3.19e-03	0.07	6.43
		6.43	0.07	9.69e-05	0.0	120.0	50.39	2.35	0.01	3.19e-03	0.09	9.13
117	98	-6.42	-0.05	3.17e-03	0.0	0.0	-96.61	-2.35	0.10	-3.16e-03	-0.16	-6.42
		-9.12	-0.16	-8.69e-05	0.0	120.0	-95.88	-2.35	0.10	-3.16e-03	-0.05	-9.12
117	104	3.83	0.17	-1.00e-03	0.0	0.0	-12.11	0.75	0.13	5.30e-04	0.03	2.74
		2.74	0.03	1.89e-04	0.0	120.0	-11.38	0.75	0.13	5.30e-04	0.17	3.83
118	2	-0.02	-0.07	-7.02e-06	0.0	0.0	-32.34	0.05	-6.03e-03	1.38e-04	-0.07	-0.09
		-0.09	-0.08	-3.60e-05	0.0	120.0	-31.41	0.05	-6.03e-03	1.38e-04	-0.08	-0.02
118	5	5.04e-03	0.03	2.61e-06	0.0	0.0	-20.82	-2.02e-04	-0.04	9.39e-05	0.03	5.04e-03
		4.79e-03	-0.02	-8.91e-05	0.0	120.0	-19.89	-2.02e-04	-0.04	9.39e-05	-0.02	4.79e-03
118	7	0.01	0.03	3.20e-06	0.0	0.0	-13.66	-7.54e-03	-0.04	8.93e-05	0.03	0.01
		4.86e-03	-0.01	-9.05e-05	0.0	120.0	-12.95	-7.54e-03	-0.04	8.93e-05	-0.01	4.86e-03
118	10	-0.02	-0.05	-4.94e-06	0.0	0.0	-24.74	0.04	-6.72e-03	9.39e-05	-0.05	-0.06
		-0.06	-0.05	-2.34e-05	0.0	120.0	-24.03	0.04	-6.72e-03	9.39e-05	-0.05	-0.02
118	11	3.17e-03	0.02	1.48e-06	0.0	0.0	-17.07	3.13e-03	-0.03	6.47e-05	0.02	-5.85e-04
		-5.85e-04	-0.01	-5.87e-05	0.0	120.0	-16.35	3.13e-03	-0.03	6.47e-05	-0.01	3.17e-03
118	14	-9.22e-03	-0.03	-4.49e-06	0.0	0.0	-26.35	0.04	-0.01	3.99e-05	-0.03	-0.05
		-0.05	-0.04	9.75e-06	0.0	120.0	-25.64	0.04	-0.01	3.99e-05	-0.04	-9.22e-03

118	15	4.57e-04	7.46e-03	-1.28e-06	0.0	0.0	-22.52	0.02	-0.02	2.53e-05	7.46e-03	-0.02
		-0.02	-0.02	-7.95e-06	0.0	120.0	-21.80	0.02	-0.02	2.53e-05	-0.02	4.57e-04
118	17	-2.20e-04	3.60e-03	-1.96e-06	0.0	0.0	-23.88	0.02	-0.02	1.55e-05	3.60e-03	-0.03
		-0.03	-0.02	4.75e-06	0.0	120.0	-23.16	0.02	-0.02	1.55e-05	-0.02	-2.20e-04
118	18	-5.62e-03	-0.01	-3.48e-06	0.0	0.0	-25.36	0.03	-0.01	3.01e-05	-0.01	-0.04
		-0.04	-0.03	7.75e-06	0.0	120.0	-24.65	0.03	-0.01	3.01e-05	-0.03	-5.62e-03
118	24	0.96	0.89	1.55e-03	0.0	0.0	215.16	-0.27	-0.69	1.10e-03	0.89	0.96
		0.64	0.08	-7.19e-05	0.0	120.0	215.87	-0.27	-0.69	1.10e-03	0.08	0.64
118	25	-0.65	-0.14	-1.55e-03	0.0	0.0	-265.89	0.33	0.66	-1.04e-03	-0.92	-1.05
		-1.05	-0.92	8.74e-05	0.0	120.0	-265.17	0.33	0.66	-1.04e-03	-0.14	-0.65
118	28	0.94	1.04	1.65e-03	0.0	0.0	229.33	-0.31	-0.74	1.08e-03	1.04	0.94
		0.66	0.08	-6.54e-05	0.0	120.0	230.04	-0.31	-0.74	1.08e-03	0.08	0.66
118	29	-0.67	-0.14	-1.66e-03	0.0	0.0	-280.05	0.38	0.71	-1.02e-03	-1.07	-1.03
		-1.03	-1.07	8.09e-05	0.0	120.0	-279.34	0.38	0.71	-1.02e-03	-0.14	-0.67
118	32	0.94	1.04	1.65e-03	0.0	0.0	229.05	-0.31	-0.74	1.10e-03	1.04	0.94
		0.66	0.08	-6.64e-05	0.0	120.0	229.77	-0.31	-0.74	1.10e-03	0.08	0.66
118	33	-0.67	-0.14	-1.66e-03	0.0	0.0	-279.78	0.37	0.71	-1.04e-03	-1.07	-1.03
		-1.03	-1.07	8.19e-05	0.0	120.0	-279.07	0.37	0.71	-1.04e-03	-0.14	-0.67
118	56	0.68	0.64	1.12e-03	0.0	0.0	149.91	-0.19	-0.50	8.06e-04	0.64	0.68
		0.46	0.05	-5.61e-05	0.0	120.0	150.62	-0.19	-0.50	8.06e-04	0.05	0.46
118	57	-0.47	-0.11	-1.13e-03	0.0	0.0	-200.64	0.25	0.47	-7.46e-04	-0.67	-0.77
		-0.77	-0.67	7.16e-05	0.0	120.0	-199.92	0.25	0.47	-7.46e-04	-0.11	-0.47
118	60	0.68	0.75	1.20e-03	0.0	0.0	160.78	-0.22	-0.54	7.90e-04	0.75	0.68
		0.48	0.05	-5.15e-05	0.0	120.0	161.49	-0.22	-0.54	7.90e-04	0.05	0.48
118	61	-0.49	-0.11	-1.21e-03	0.0	0.0	-211.51	0.28	0.52	-7.30e-04	-0.78	-0.77
		-0.77	-0.78	6.70e-05	0.0	120.0	-210.79	0.28	0.52	-7.30e-04	-0.11	-0.49
118	64	0.68	0.76	1.20e-03	0.0	0.0	160.51	-0.22	-0.54	8.12e-04	0.76	0.68
		0.48	0.05	-5.22e-05	0.0	120.0	161.23	-0.22	-0.54	8.12e-04	0.05	0.48
118	65	-0.49	-0.11	-1.21e-03	0.0	0.0	-211.24	0.28	0.51	-7.51e-04	-0.78	-0.77
		-0.77	-0.78	6.77e-05	0.0	120.0	-210.53	0.28	0.51	-7.51e-04	-0.11	-0.49
118	83	-0.02	-0.02	-7.21e-06	0.0	0.0	-38.59	0.07	-0.01	5.70e-05	-0.02	-0.09
		-0.09	-0.06	1.13e-04	0.0	120.0	-37.88	0.07	-0.01	5.70e-05	-0.06	-0.02
118	84	7.44e-03	-5.34e-03	0.0	0.0	0.0	-12.13	-7.53e-03	-0.02	3.27e-06	-5.70e-03	1.66e-03
		1.66e-03	-5.70e-03	-9.79e-05	0.0	120.0	-11.42	-7.53e-03	-0.02	3.27e-06	-5.34e-03	7.44e-03
118	85	-0.02	-0.03	-1.37e-05	0.0	0.0	-37.79	0.07	-0.01	-5.93e-06	-0.03	-0.09
		-0.09	-0.06	1.16e-04	0.0	120.0	-37.08	0.07	-0.01	-5.93e-06	-0.06	-0.02
118	86	7.95e-03	-3.59e-03	6.77e-06	0.0	0.0	-12.93	-5.82e-03	-0.01	6.62e-05	-3.83e-03	2.54e-03
		2.54e-03	-3.83e-03	-1.00e-04	0.0	120.0	-12.22	-5.82e-03	-0.01	6.62e-05	-3.59e-03	7.95e-03
118	92	1.15	1.07	1.85e-03	0.0	0.0	262.55	-0.33	-0.82	1.31e-03	1.07	1.15
		0.77	0.10	-8.51e-05	0.0	120.0	263.26	-0.33	-0.82	1.31e-03	0.10	0.77
118	93	-0.78	-0.16	-1.86e-03	0.0	0.0	-313.27	0.39	0.79	-1.25e-03	-1.10	-1.24
		-1.24	-1.10	1.01e-04	0.0	120.0	-312.56	0.39	0.79	-1.25e-03	-0.16	-0.78
118	96	1.13	1.25	1.97e-03	0.0	0.0	278.46	-0.38	-0.88	1.28e-03	1.25	1.13
		0.79	0.10	-7.72e-05	0.0	120.0	279.18	-0.38	-0.88	1.28e-03	0.10	0.79
118	97	-0.80	-0.16	-1.98e-03	0.0	0.0	-329.19	0.44	0.85	-1.22e-03	-1.28	-1.22
		-1.22	-1.28	9.27e-05	0.0	120.0	-328.47	0.44	0.85	-1.22e-03	-0.16	-0.80
118	100	1.14	1.25	1.97e-03	0.0	0.0	278.16	-0.37	-0.88	1.31e-03	1.25	1.14
		0.79	0.10	-7.84e-05	0.0	120.0	278.88	-0.37	-0.88	1.31e-03	0.10	0.79
118	101	-0.80	-0.17	-1.98e-03	0.0	0.0	-328.89	0.44	0.85	-1.25e-03	-1.28	-1.22
		-1.22	-1.28	9.39e-05	0.0	120.0	-328.18	0.44	0.85	-1.25e-03	-0.17	-0.80
119	2	0.02	0.06	-6.99e-06	0.0	0.0	-17.07	-7.61e-03	-0.04	0.0	0.06	0.02
		9.54e-03	0.01	-6.75e-05	0.0	120.0	-16.14	-7.61e-03	-0.04	0.0	0.01	9.54e-03
119	3	0.02	0.05	2.22e-06	0.0	0.0	-12.68	-0.01	-0.03	0.0	0.05	0.02
		0.01	0.02	-4.70e-05	0.0	120.0	-11.97	-0.01	-0.03	0.0	0.02	0.01
119	6	0.04	0.09	-1.83e-06	0.0	0.0	-17.18	-0.02	-0.05	0.0	0.09	0.04
		0.02	0.03	-9.00e-05	0.0	120.0	-16.25	-0.02	-0.05	0.0	0.03	0.02
119	7	0.04	0.09	4.75e-06	0.0	0.0	-13.01	-0.02	-0.04	0.0	0.09	0.04
		0.02	0.04	-7.52e-05	0.0	120.0	-12.29	-0.02	-0.04	0.0	0.04	0.02
119	8	0.04	0.09	-1.36e-06	0.0	0.0	-13.52	-0.02	-0.05	0.0	0.09	0.04
		0.02	0.03	-8.85e-05	0.0	120.0	-12.80	-0.02	-0.05	0.0	0.03	0.02
119	9	0.02	0.03	0.0	0.0	0.0	-12.52	-6.81e-03	-0.02	0.0	0.03	0.02
		7.05e-03	0.01	-3.29e-05	0.0	120.0	-11.81	-6.81e-03	-0.02	0.0	0.01	7.05e-03
119	10	0.01	0.04	-4.87e-06	0.0	0.0	-13.01	-5.07e-03	-0.03	0.0	0.04	0.01
		5.94e-03	7.24e-03	-4.56e-05	0.0	120.0	-12.29	-5.07e-03	-0.03	0.0	7.24e-03	5.94e-03
119	11	0.03	0.06	2.64e-06	0.0	0.0	-12.74	-0.01	-0.03	0.0	0.06	0.03
		0.01	0.02	-5.17e-05	0.0	120.0	-12.02	-0.01	-0.03	0.0	0.02	0.01
119	12	0.03	0.06	-1.43e-06	0.0	0.0	-13.08	-0.01	-0.03	0.0	0.06	0.03
		0.01	0.02	-6.06e-05	0.0	120.0	-12.36	-0.01	-0.03	0.0	0.02	0.01
119	13	-3.16e-03	-2.29e-03	-1.59e-06	0.0	0.0	-12.20	4.72e-05	-2.84e-03	0.0	-2.29e-03	-3.21e-03
		-3.21e-03	-5.69e-03	-4.75e-06	0.0	120.0	-11.48	4.72e-05	-2.84e-03	0.0	-5.69e-03	-3.16e-03
119	14	-3.71e-03	-2.46e-04	-4.50e-06	0.0	0.0	-12.44	9.18e-04	-6.44e-03	0.0	-2.46e-04	-4.81e-03
		-4.81e-03	-7.97e-03	-1.11e-05	0.0	120.0	-11.73	9.18e-04	-6.44e-03	0.0	-7.97e-03	-3.71e-03
119	15	2.93e-03	9.96e-03	0.0	0.0	0.0	-12.31	-2.24e-03	-8.19e-03	0.0	9.96e-03	2.93e-03
		2.47e-04	1.33e-04	-1.42e-05	0.0	120.0	-11.59	-2.24e-03	-8.19e-03	0.0	1.33e-04	2.47e-04
119	16	1.97e-03	0.01	-2.49e-06	0.0	0.0	-12.45	-1.72e-03	-0.01	0.0	0.01	1.97e-03

119	17	-8.76e-05	-1.23e-03	-1.80e-05	0.0	120.0	-11.74	-1.72e-03	-0.01	0.0	-1.23e-03	-8.76e-05
		-3.16e-03	-2.29e-03	-1.59e-06	0.0	0.0	-12.20	4.72e-05	-2.84e-03	0.0	-2.29e-03	-3.21e-03
		-3.21e-03	-5.69e-03	-4.75e-06	0.0	120.0	-11.48	4.72e-05	-2.84e-03	0.0	-5.69e-03	-3.16e-03
119	18	-3.49e-03	-1.06e-03	-3.34e-06	0.0	0.0	-12.34	5.69e-04	-5.00e-03	0.0	-1.06e-03	-4.17e-03
		-4.17e-03	-7.06e-03	-8.56e-06	0.0	120.0	-11.63	5.69e-04	-5.00e-03	0.0	-7.06e-03	-3.49e-03
119	27	0.32	0.83	2.23e-03	0.0	0.0	110.07	-0.15	-0.79	0.0	0.83	0.32
		0.07	-0.18	-1.41e-04	0.0	120.0	110.78	-0.15	-0.79	0.0	-0.18	0.07
119	28	0.35	0.88	2.24e-03	0.0	0.0	107.30	-0.17	-0.80	0.0	0.88	0.35
		0.09	-0.15	-2.07e-04	0.0	120.0	108.02	-0.17	-0.80	0.0	-0.15	0.09
119	29	-0.10	0.13	-2.24e-03	0.0	0.0	-131.99	0.17	0.79	0.0	-0.88	-0.36
		-0.36	-0.88	1.89e-04	0.0	120.0	-131.28	0.17	0.79	0.0	0.13	-0.10
119	30	-0.08	0.17	-2.24e-03	0.0	0.0	-134.76	0.15	0.78	0.0	-0.83	-0.33
		-0.33	-0.83	1.24e-04	0.0	120.0	-134.05	0.15	0.78	0.0	0.17	-0.08
119	59	0.23	0.60	1.62e-03	0.0	0.0	76.86	-0.11	-0.57	0.0	0.60	0.23
		0.05	-0.14	-1.02e-04	0.0	120.0	77.57	-0.11	-0.57	0.0	-0.14	0.05
119	60	0.26	0.65	1.63e-03	0.0	0.0	74.62	-0.12	-0.58	0.0	0.65	0.26
		0.06	-0.11	-1.61e-04	0.0	120.0	75.34	-0.12	-0.58	0.0	-0.11	0.06
119	61	-0.07	0.09	-1.63e-03	0.0	0.0	-99.31	0.12	0.57	0.0	-0.65	-0.27
		-0.27	-0.65	1.44e-04	0.0	120.0	-98.60	0.12	0.57	0.0	0.09	-0.07
119	62	-0.05	0.12	-1.63e-03	0.0	0.0	-101.55	0.11	0.56	0.0	-0.60	-0.24
		-0.24	-0.60	8.50e-05	0.0	120.0	-100.83	0.11	0.56	0.0	0.12	-0.05
119	83	-0.03	-0.05	-5.21e-06	0.0	0.0	-9.01	0.03	8.75e-03	0.0	-0.05	-0.03
		-0.05	-0.07	7.94e-05	0.0	120.0	-8.29	0.03	8.75e-03	0.0	-0.07	-0.05
119	84	0.04	0.07	-1.46e-06	0.0	0.0	-15.68	-0.03	-0.02	0.0	0.07	0.04
		0.02	0.04	-9.65e-05	0.0	120.0	-14.97	-0.03	-0.02	0.0	0.04	0.02
119	95	0.38	0.99	2.67e-03	0.0	0.0	133.79	-0.18	-0.94	0.0	0.99	0.38
		0.08	-0.22	-1.68e-04	0.0	120.0	134.50	-0.18	-0.94	0.0	-0.22	0.08
119	96	0.42	1.05	2.67e-03	0.0	0.0	130.58	-0.20	-0.95	0.0	1.05	0.42
		0.11	-0.17	-2.42e-04	0.0	120.0	131.29	-0.20	-0.95	0.0	-0.17	0.11
119	97	-0.11	0.16	-2.68e-03	0.0	0.0	-155.26	0.20	0.94	0.0	-1.06	-0.43
		-0.43	-1.06	2.25e-04	0.0	120.0	-154.55	0.20	0.94	0.0	0.16	-0.43
119	98	-0.09	0.20	-2.68e-03	0.0	0.0	-158.48	0.18	0.93	0.0	-0.99	-0.39
		-0.39	-0.99	1.51e-04	0.0	120.0	-157.76	0.18	0.93	0.0	0.20	-0.09
120	2	0.01	0.10	-7.62e-06	0.0	0.0	-25.03	3.69e-03	-0.10	4.33e-04	0.10	8.32e-03
		8.32e-03	-0.02	2.49e-05	0.0	120.0	-24.08	3.69e-03	-0.10	4.33e-04	-0.02	0.01
120	4	0.01	0.10	-7.65e-06	0.0	0.0	-19.62	3.53e-03	-0.10	4.18e-04	0.10	7.57e-03
		7.57e-03	-0.02	2.55e-05	0.0	120.0	-18.88	3.53e-03	-0.10	4.18e-04	-0.02	0.01
120	5	-1.02e-03	0.21	-7.03e-06	0.0	0.0	-26.49	2.10e-03	-0.21	3.85e-04	0.21	-3.55e-03
		-3.55e-03	-0.05	5.26e-05	0.0	120.0	-25.54	2.10e-03	-0.21	3.85e-04	-0.05	-1.02e-03
120	7	-1.95e-03	0.21	-7.06e-06	0.0	0.0	-21.08	1.95e-03	-0.21	3.70e-04	0.21	-4.29e-03
		-4.29e-03	-0.05	5.32e-05	0.0	120.0	-20.34	1.95e-03	-0.21	3.70e-04	-0.05	-1.95e-03
120	10	8.91e-03	0.07	-5.07e-06	0.0	0.0	-19.10	2.53e-03	-0.07	2.95e-04	0.07	5.88e-03
		5.88e-03	-0.01	1.64e-05	0.0	120.0	-18.36	2.53e-03	-0.07	2.95e-04	-0.01	8.91e-03
120	11	-2.67e-04	0.14	-4.67e-06	0.0	0.0	-20.07	1.47e-03	-0.14	2.63e-04	0.14	-2.03e-03
		-2.03e-03	-0.03	3.48e-05	0.0	120.0	-19.34	1.47e-03	-0.14	2.63e-04	-0.03	-2.67e-04
120	14	7.01e-03	4.61e-03	-1.05e-06	0.0	0.0	-17.97	1.23e-03	9.73e-03	1.08e-04	-7.07e-03	5.54e-03
		5.54e-03	-7.07e-03	-3.73e-06	0.0	120.0	-17.24	1.23e-03	9.73e-03	1.08e-04	4.61e-03	7.01e-03
120	15	2.42e-03	0.03	0.0	0.0	0.0	-18.46	7.02e-04	-0.03	9.25e-05	0.03	1.58e-03
		1.58e-03	-3.38e-03	5.49e-06	0.0	120.0	-17.73	7.02e-04	-0.03	9.25e-05	-3.38e-03	2.42e-03
120	17	3.10e-03	3.20e-03	0.0	0.0	0.0	-18.05	5.10e-04	2.85e-03	4.98e-05	-2.27e-04	2.48e-03
		2.48e-03	-2.27e-04	-1.85e-06	0.0	120.0	-17.32	5.10e-04	2.85e-03	4.98e-05	3.20e-03	3.10e-03
120	18	5.45e-03	4.05e-03	0.0	0.0	0.0	-18.00	9.42e-04	6.98e-03	8.50e-05	-4.33e-03	4.32e-03
		4.32e-03	-4.33e-03	-2.98e-06	0.0	120.0	-17.27	9.42e-04	6.98e-03	8.50e-05	4.05e-03	5.45e-03
120	23	11.13	-0.06	-2.71e-03	0.0	0.0	-67.09	2.32	0.08	2.84e-03	-0.15	8.36
		8.36	-0.15	-1.44e-04	0.0	120.0	-66.36	2.32	0.08	2.84e-03	-0.15	11.13
120	26	-8.36	0.14	2.71e-03	0.0	0.0	31.08	-2.32	-0.07	-2.67e-03	0.14	-8.36
		-11.12	0.06	1.38e-04	0.0	120.0	31.81	-2.32	-0.07	-2.67e-03	0.06	-11.12
120	28	7.61	-0.08	-2.67e-03	0.0	0.0	-80.19	1.92	0.02	2.75e-03	-0.10	5.29
		5.29	-0.10	-7.97e-05	0.0	120.0	-79.46	1.92	0.02	2.75e-03	-0.10	7.61
120	29	-5.28	0.09	2.67e-03	0.0	0.0	44.18	-1.92	-2.44e-03	-2.58e-03	0.09	-5.28
		-7.59	0.09	7.38e-05	0.0	120.0	44.91	-1.92	-2.44e-03	-2.58e-03	0.09	-7.59
120	55	8.10	-0.04	-1.97e-03	0.0	0.0	-53.29	1.68	0.06	2.06e-03	-0.11	6.10
		6.10	-0.11	-1.08e-04	0.0	120.0	-52.56	1.68	0.06	2.06e-03	-0.11	8.10
120	58	-6.09	0.10	1.97e-03	0.0	0.0	17.28	-1.68	-0.05	-1.89e-03	0.10	-6.09
		-8.09	0.05	1.02e-04	0.0	120.0	18.01	-1.68	-0.05	-1.89e-03	0.05	-8.09
120	60	5.54	-0.06	-1.94e-03	0.0	0.0	-63.61	1.40	0.01	2.05e-03	-0.07	3.85
		3.85	-0.07	-5.16e-05	0.0	120.0	-62.88	1.40	0.01	2.05e-03	-0.07	5.54
120	61	-3.84	0.07	1.94e-03	0.0	0.0	27.60	-1.40	2.30e-03	-1.88e-03	0.07	-3.84
		-5.53	0.06	4.56e-05	0.0	120.0	28.33	-1.40	2.30e-03	-1.88e-03	0.06	-5.53
120	83	0.15	0.04	1.82e-05	0.0	0.0	-11.85	0.07	0.08	-2.83e-04	-0.06	0.15
		0.09	-0.06	-9.93e-05	0.0	120.0	-11.12	0.07	0.08	-2.83e-04	-0.06	0.09
120	84	-0.08	0.05	-1.94e-05	0.0	0.0	-24.16	-0.07	-0.07	4.53e-04	0.05	-0.14
		-0.14	-0.03	9.34e-05	0.0	120.0	-23.43	-0.07	-0.07	4.53e-04	-0.03	-0.14
120	85	0.34	0.03	-1.84e-05	0.0	0.0	-12.01	-0.17	0.09	-4.38e-04	-0.07	0.34
		0.19	-0.07	-8.92e-05	0.0	120.0	-11.27	-0.17	0.09	-4.38e-04	0.03	0.19

120	86	-0.18	0.07	1.72e-05	0.0	0.0	-24.00	0.18	-0.07	6.08e-04	0.07	-0.33
		-0.33	-0.03	8.32e-05	0.0	120.0	-23.27	0.18	-0.07	6.08e-04	-0.03	-0.18
120	91	13.33	-0.07	-3.25e-03	0.0	0.0	-76.95	2.79	0.09	3.40e-03	-0.18	10.01
		10.01	-0.18	-1.71e-04	0.0	120.0	-76.22	2.79	0.09	3.40e-03	-0.07	13.33
120	94	-10.00	0.17	3.25e-03	0.0	0.0	40.95	-2.79	-0.08	-3.23e-03	0.17	-10.00
		-13.32	0.08	1.65e-04	0.0	120.0	41.68	-2.79	-0.08	-3.23e-03	0.08	-13.32
120	96	9.08	-0.09	-3.19e-03	0.0	0.0	-92.13	2.29	0.02	3.26e-03	-0.11	6.32
		6.32	-0.11	-9.73e-05	0.0	120.0	-91.40	2.29	0.02	3.26e-03	-0.09	9.08
120	97	-6.31	0.10	3.19e-03	0.0	0.0	56.13	-2.29	-5.28e-03	-3.09e-03	0.10	-6.31
		-9.07	0.10	9.14e-05	0.0	120.0	56.86	-2.29	-5.28e-03	-3.09e-03	0.10	-9.07
121	2	0.07	-0.01	4.47e-06	0.0	0.0	-44.54	-0.13	0.28	-4.92e-05	-0.04	0.07
		0.06	-0.04	0.0	0.0	11.0	-44.46	-0.13	0.28	-4.92e-05	-0.01	0.06
121	3	0.05	4.05e-03	5.50e-06	0.0	0.0	-21.41	-0.11	0.07	-3.20e-05	-3.72e-03	0.05
		0.04	-3.72e-03	0.0	0.0	11.0	-21.34	-0.11	0.07	-3.20e-05	4.05e-03	0.04
121	6	0.07	4.15e-04	8.54e-06	0.0	0.0	-35.19	-0.16	0.14	-6.12e-05	-0.02	0.07
		0.06	-0.02	0.0	0.0	11.0	-35.11	-0.16	0.14	-6.12e-05	4.15e-04	0.06
121	7	0.05	0.02	9.28e-06	0.0	0.0	-16.40	-0.14	-0.02	-4.84e-05	0.02	0.05
		0.04	0.01	0.0	0.0	11.0	-16.33	-0.14	-0.02	-4.84e-05	0.01	0.04
121	9	0.05	-6.36e-04	3.62e-06	0.0	0.0	-23.92	-0.09	0.12	-2.38e-05	-0.01	0.05
		0.04	-0.01	0.0	0.0	11.0	-23.85	-0.09	0.12	-2.38e-05	-6.36e-04	0.04
121	10	0.06	-0.01	2.96e-06	0.0	0.0	-33.55	-0.09	0.21	-3.38e-05	-0.03	0.06
		0.04	-0.03	0.0	0.0	11.0	-33.49	-0.09	0.21	-3.38e-05	-0.01	0.04
121	11	0.05	5.61e-03	6.13e-06	0.0	0.0	-20.57	-0.11	0.06	-3.47e-05	-4.83e-04	0.05
		0.04	-4.83e-04	0.0	0.0	11.0	-20.51	-0.11	0.06	-3.47e-05	5.61e-03	0.04
121	12	0.06	-1.06e-03	5.67e-06	0.0	0.0	-27.32	-0.12	0.12	-4.17e-05	-0.01	0.06
		0.04	-0.01	0.0	0.0	11.0	-27.25	-0.12	0.12	-4.17e-05	-1.06e-03	0.04
121	13	0.04	-0.01	0.0	0.0	0.0	-28.93	-0.06	0.21	-7.33e-06	-0.03	0.04
		0.03	-0.03	0.0	0.0	11.0	-28.86	-0.06	0.21	-7.33e-06	-0.01	0.03
121	14	0.05	-0.01	0.0	0.0	0.0	-33.75	-0.06	0.26	-1.23e-05	-0.04	0.05
		0.04	-0.04	0.0	0.0	11.0	-33.68	-0.06	0.26	-1.23e-05	-0.01	0.04
121	15	0.04	-6.89e-03	1.10e-06	0.0	0.0	-27.26	-0.07	0.18	-1.28e-05	-0.03	0.04
		0.03	-0.03	0.0	0.0	11.0	-27.19	-0.07	0.18	-1.28e-05	-6.89e-03	0.03
121	17	0.04	-0.01	0.0	0.0	0.0	-28.93	-0.06	0.21	-7.33e-06	-0.03	0.04
		0.03	-0.03	0.0	0.0	11.0	-28.86	-0.06	0.21	-7.33e-06	-0.01	0.03
121	18	0.04	-0.01	0.0	0.0	0.0	-31.82	-0.06	0.24	-1.03e-05	-0.04	0.04
		0.04	-0.04	0.0	0.0	11.0	-31.75	-0.06	0.24	-1.03e-05	-0.01	0.04
121	27	-0.52	-0.11	-3.03e-06	0.0	0.0	-353.58	1.07	-29.72	-9.84e-04	-0.11	-0.63
		-0.63	-3.38	1.26e-04	0.0	11.0	-353.51	1.07	-29.72	-9.84e-04	-3.38	-0.52
121	28	-0.57	-0.12	4.02e-06	0.0	0.0	-340.10	0.83	-29.78	-9.26e-04	-0.12	-0.68
		-0.68	-3.39	1.26e-04	0.0	11.0	-340.03	0.83	-29.78	-9.26e-04	-3.39	-0.57
121	29	0.76	3.37	-4.73e-06	0.0	0.0	276.46	-0.94	30.25	9.05e-04	0.04	0.76
		0.64	0.04	-1.27e-04	0.0	11.0	276.53	-0.94	30.25	9.05e-04	3.37	0.64
121	30	0.72	3.35	2.32e-06	0.0	0.0	289.94	-1.19	30.20	9.64e-04	0.04	0.72
		0.60	0.04	-1.27e-04	0.0	11.0	290.00	-1.19	30.20	9.64e-04	3.35	0.60
121	59	-0.37	-0.09	-2.82e-06	0.0	0.0	-267.07	0.78	-21.57	-7.21e-04	-0.09	-0.45
		-0.45	-2.46	9.16e-05	0.0	11.0	-267.00	0.78	-21.57	-7.21e-04	-2.46	-0.37
121	60	-0.41	-0.10	3.40e-06	0.0	0.0	-255.06	0.58	-21.62	-6.75e-04	-0.10	-0.48
		-0.48	-2.47	9.15e-05	0.0	11.0	-255.00	0.58	-21.62	-6.75e-04	-2.47	-0.41
121	61	0.57	2.45	-4.10e-06	0.0	0.0	191.42	-0.69	22.09	6.55e-04	0.02	0.57
		0.48	0.02	-9.23e-05	0.0	11.0	191.49	-0.69	22.09	6.55e-04	2.45	0.48
121	62	0.53	2.44	2.12e-06	0.0	0.0	203.43	-0.89	22.04	7.01e-04	0.02	0.53
		0.44	0.02	-9.24e-05	0.0	11.0	203.49	-0.89	22.04	7.01e-04	2.44	0.44
121	83	0.10	1.66e-03	-9.67e-06	0.0	0.0	-49.82	0.25	0.31	-7.85e-05	-0.04	0.10
		0.09	-0.04	0.0	0.0	11.0	-49.75	0.25	0.31	-7.85e-05	1.66e-03	0.09
121	84	-0.01	-0.03	8.97e-06	0.0	0.0	-13.82	-0.36	0.16	5.78e-05	-0.04	-0.01
		-0.02	-0.04	0.0	0.0	11.0	-13.75	-0.36	0.16	5.78e-05	-0.03	-0.02
121	85	0.10	9.23e-04	-8.56e-06	0.0	0.0	-49.03	0.34	0.28	7.67e-05	-0.03	0.10
		0.10	-0.03	0.0	0.0	11.0	-48.97	0.34	0.28	7.67e-05	9.23e-04	0.10
121	86	-0.01	-0.03	7.86e-06	0.0	0.0	-14.60	-0.45	0.19	-9.73e-05	-0.05	-0.01
		-0.03	-0.05	-1.16e-06	0.0	11.0	-14.54	-0.45	0.19	-9.73e-05	-0.03	-0.03
121	95	-0.63	-0.13	-3.34e-06	0.0	0.0	-415.61	1.29	-35.54	-1.17e-03	-0.13	-0.76
		-0.76	-4.03	1.51e-04	0.0	11.0	-415.54	1.29	-35.54	-1.17e-03	-4.03	-0.63
121	96	-0.69	-0.13	4.65e-06	0.0	0.0	-400.37	1.01	-35.60	-1.10e-03	-0.13	-0.81
		-0.81	-4.05	1.50e-04	0.0	11.0	-400.31	1.01	-35.60	-1.10e-03	-4.05	-0.69
121	97	0.90	4.02	-5.36e-06	0.0	0.0	336.74	-1.12	36.08	1.08e-03	0.05	0.90
		0.76	0.05	-1.51e-04	0.0	11.0	336.80	-1.12	36.08	1.08e-03	4.02	0.76
121	98	0.85	4.01	2.64e-06	0.0	0.0	351.97	-1.40	36.01	1.15e-03	0.05	0.85
		0.71	0.05	-1.51e-04	0.0	11.0	352.04	-1.40	36.01	1.15e-03	4.01	0.71
122	2	0.01	-5.60e-03	4.03e-05	0.0	0.0	-34.98	0.08	3.28e-03	-1.38e-04	-9.53e-03	-0.08
		-0.08	-9.53e-03	-6.36e-06	0.0	120.0	-34.05	0.08	3.28e-03	-1.38e-04	-5.60e-03	0.01
122	4	7.09e-03	-4.50e-03	4.11e-05	0.0	0.0	-27.82	0.07	6.87e-03	-1.33e-04	-0.01	-0.07
		-0.07	-0.01	-5.84e-06	0.0	120.0	-27.10	0.07	6.87e-03	-1.33e-04	-4.50e-03	7.09e-03
122	5	-0.01	-0.02	8.00e-05	0.0	0.0	-24.40	0.10	0.03	-9.39e-05	-0.05	-0.13
		-0.13	-0.05	4.05e-06	0.0	120.0	-23.47	0.10	0.03	-9.39e-05	-0.02	-0.01
122	7	-0.01	-0.01	8.08e-05	0.0	0.0	-17.24	0.09	0.03	-8.93e-05	-0.05	-0.12

		-0.12	-0.05	4.57e-06	0.0	120.0	-16.52	0.09	0.03	-8.93e-05	-0.01	-0.01
122	10	8.62e-03	-4.23e-03	2.65e-05	0.0	0.0	-26.51	0.06	5.87e-04	-9.39e-05	-4.93e-03	-0.06
		-0.06	-4.93e-03	-4.47e-06	0.0	120.0	-25.79	0.06	5.87e-04	-9.39e-05	-4.23e-03	8.62e-03
122	11	-5.20e-03	-0.01	5.30e-05	0.0	0.0	-19.45	0.07	0.02	-6.47e-05	-0.03	-0.09
		-0.09	-0.03	2.47e-06	0.0	120.0	-18.74	0.07	0.02	-6.47e-05	-0.01	-5.20e-03
122	14	0.02	0.02	-4.81e-06	0.0	0.0	-26.52	0.03	-0.01	-3.99e-05	0.02	-0.02
		-0.02	-1.77e-03	-4.37e-06	0.0	120.0	-25.81	0.03	-0.01	-3.99e-05	-1.77e-03	0.02
122	15	8.30e-03	2.33e-03	8.42e-06	0.0	0.0	-22.99	0.04	-6.23e-03	-2.53e-05	2.33e-03	-0.04
		-0.04	-5.15e-03	0.0	0.0	120.0	-22.28	0.04	-6.23e-03	-2.53e-05	-5.15e-03	8.30e-03
122	17	0.01	0.01	-2.72e-06	0.0	0.0	-23.88	0.03	-0.01	-1.55e-05	0.01	-0.03
		-0.03	-3.69e-03	-1.73e-06	0.0	120.0	-23.16	0.03	-0.01	-1.55e-05	-3.69e-03	0.01
122	18	0.01	0.01	-3.97e-06	0.0	0.0	-25.46	0.03	-0.01	-3.01e-05	0.01	-0.02
		-0.02	-2.54e-03	-3.31e-06	0.0	120.0	-24.75	0.03	-0.01	-3.01e-05	-2.54e-03	0.01
122	27	0.98	2.58	-5.84e-05	0.0	0.0	-282.56	0.38	-1.11	-1.10e-03	2.58	0.51
		0.51	1.25	1.53e-03	0.0	120.0	-281.84	0.38	-1.11	-1.10e-03	1.25	0.98
122	30	-0.56	-1.25	5.04e-05	0.0	0.0	231.63	-0.32	1.08	1.04e-03	-2.55	-0.56
		-0.95	-2.55	-1.54e-03	0.0	120.0	232.35	-0.32	1.08	1.04e-03	-1.25	-0.95
122	31	0.98	2.58	-5.41e-05	0.0	0.0	-282.50	0.38	-1.11	-1.07e-03	2.58	0.51
		0.51	1.25	1.53e-03	0.0	120.0	-281.79	0.38	-1.11	-1.07e-03	1.25	0.98
122	34	-0.56	-1.25	4.62e-05	0.0	0.0	231.58	-0.32	1.09	1.01e-03	-2.55	-0.56
		-0.95	-2.55	-1.54e-03	0.0	120.0	232.29	-0.32	1.09	1.01e-03	-1.25	-0.95
122	59	0.72	1.88	-4.95e-05	0.0	0.0	-213.35	0.29	-0.81	-8.08e-04	1.88	0.37
		0.37	0.91	1.11e-03	0.0	120.0	-212.64	0.29	-0.81	-8.08e-04	0.91	0.72
122	62	-0.41	-0.91	4.15e-05	0.0	0.0	162.42	-0.22	0.79	7.48e-04	-1.85	-0.41
		-0.69	-1.85	-1.12e-03	0.0	120.0	163.14	-0.22	0.79	7.48e-04	-0.91	-0.69
122	63	0.72	1.88	-4.56e-05	0.0	0.0	-213.27	0.29	-0.82	-7.87e-04	1.88	0.37
		0.37	0.91	1.11e-03	0.0	120.0	-212.56	0.29	-0.82	-7.87e-04	0.91	0.72
122	66	-0.42	-0.91	3.76e-05	0.0	0.0	162.35	-0.22	0.79	7.27e-04	-1.86	-0.42
		-0.69	-1.86	-1.12e-03	0.0	120.0	163.06	-0.22	0.79	7.27e-04	-0.91	-0.69
122	83	0.04	0.06	-1.05e-04	0.0	0.0	-38.52	0.03	-0.05	-5.70e-05	0.06	-0.01
		-0.01	0.02	-6.54e-06	0.0	120.0	-37.80	0.03	-0.05	-5.70e-05	0.02	0.04
122	84	-0.02	-0.02	9.71e-05	0.0	0.0	-12.41	0.04	0.02	-3.27e-06	-0.03	-0.04
		-0.04	-0.03	0.0	0.0	120.0	-11.70	0.04	0.02	-3.27e-06	-0.02	-0.02
122	85	0.04	0.07	-9.33e-05	0.0	0.0	-38.28	0.03	-0.05	5.93e-06	0.07	-8.39e-03
		-8.39e-03	0.02	-1.26e-05	0.0	120.0	-37.57	0.03	-0.05	5.93e-06	0.02	0.04
122	86	-0.02	-0.02	8.53e-05	0.0	0.0	-12.64	0.04	0.02	-6.62e-05	-0.04	-0.04
		-0.04	-0.04	5.95e-06	0.0	120.0	-11.93	0.04	0.02	-6.62e-05	-0.02	-0.02
122	95	1.17	3.07	-6.66e-05	0.0	0.0	-332.16	0.45	-1.32	-1.31e-03	3.07	0.62
		0.62	1.49	1.83e-03	0.0	120.0	-331.45	0.45	-1.32	-1.31e-03	1.49	1.17
122	98	-0.67	-1.50	5.87e-05	0.0	0.0	281.23	-0.39	1.30	1.25e-03	-3.05	-0.67
		-1.14	-3.05	-1.84e-03	0.0	120.0	281.95	-0.39	1.30	1.25e-03	-1.50	-1.14
122	99	1.17	3.08	-6.19e-05	0.0	0.0	-332.12	0.45	-1.33	-1.27e-03	3.08	0.62
		0.62	1.49	1.83e-03	0.0	120.0	-331.40	0.45	-1.33	-1.27e-03	1.49	1.17
122	102	-0.67	-1.50	5.39e-05	0.0	0.0	281.19	-0.39	1.30	1.21e-03	-3.05	-0.67
		-1.14	-3.05	-1.83e-03	0.0	120.0	281.90	-0.39	1.30	1.21e-03	-1.50	-1.14
123	1	0.02	0.02	4.25e-06	0.0	0.0	-28.91	-0.04	0.06	3.42e-05	-0.05	0.02
		-0.02	-0.05	-4.91e-05	0.0	109.0	-28.06	-0.04	0.06	3.42e-05	0.02	-0.02
123	2	3.88e-03	-0.08	1.90e-06	0.0	0.0	-45.38	-0.10	0.04	4.92e-05	-0.12	3.88e-03
		-0.11	-0.12	-1.92e-05	0.0	109.0	-44.54	-0.10	0.04	4.92e-05	-0.08	-0.11
123	7	8.95e-03	0.03	2.77e-06	0.0	0.0	-13.69	6.38e-03	0.05	4.84e-05	-0.03	2.00e-03
		2.00e-03	-0.03	-8.55e-05	0.0	109.0	-13.04	6.38e-03	0.05	4.84e-05	0.03	8.95e-03
123	9	0.02	0.01	3.32e-06	0.0	0.0	-23.21	-0.04	0.05	2.38e-05	-0.04	0.02
		-0.02	-0.04	-3.23e-05	0.0	109.0	-22.56	-0.04	0.05	2.38e-05	0.01	-0.02
123	10	6.31e-03	-0.05	1.76e-06	0.0	0.0	-34.19	-0.08	0.03	3.38e-05	-0.09	6.31e-03
		-0.08	-0.09	-1.24e-05	0.0	109.0	-33.55	-0.08	0.03	3.38e-05	-0.05	-0.08
123	11	0.01	0.02	3.08e-06	0.0	0.0	-18.98	-0.02	0.05	3.47e-05	-0.04	0.01
		-8.42e-03	-0.04	-5.59e-05	0.0	109.0	-18.33	-0.02	0.05	3.47e-05	0.02	-8.42e-03
123	13	0.03	-1.21e-03	3.69e-06	0.0	0.0	-29.56	-0.07	0.04	7.33e-06	-0.05	0.03
		-0.04	-0.05	3.20e-06	0.0	109.0	-28.92	-0.07	0.04	7.33e-06	-1.21e-03	-0.04
123	14	0.02	-0.03	2.91e-06	0.0	0.0	-35.05	-0.09	0.04	1.23e-05	-0.07	0.02
		-0.07	-0.07	1.32e-05	0.0	109.0	-34.41	-0.09	0.04	1.23e-05	-0.03	-0.07
123	15	0.02	2.53e-03	3.57e-06	0.0	0.0	-27.45	-0.06	0.04	1.28e-05	-0.05	0.02
		-0.04	-0.05	-8.63e-06	0.0	109.0	-26.80	-0.06	0.04	1.28e-05	2.53e-03	-0.04
123	17	0.03	-1.21e-03	3.69e-06	0.0	0.0	-29.56	-0.07	0.04	7.33e-06	-0.05	0.03
		-0.04	-0.05	3.20e-06	0.0	109.0	-28.92	-0.07	0.04	7.33e-06	-1.21e-03	-0.04
123	18	0.02	-0.02	3.22e-06	0.0	0.0	-32.86	-0.08	0.04	1.03e-05	-0.06	0.02
		-0.06	-0.06	9.17e-06	0.0	109.0	-32.21	-0.08	0.04	1.03e-05	-0.02	-0.06
123	28	4.30	0.84	1.03e-03	0.0	0.0	278.42	5.46	1.28	9.26e-04	-0.56	-1.63
		-1.63	-0.56	9.69e-05	0.0	109.0	279.07	5.46	1.28	9.26e-04	0.84	4.30
123	29	1.68	0.44	-1.02e-03	0.0	0.0	-344.14	-5.62	-1.20	-9.05e-04	0.44	1.68
		-4.42	-0.88	-8.02e-05	0.0	109.0	-343.49	-5.62	-1.20	-9.05e-04	-0.88	-4.42
123	32	4.30	0.84	1.03e-03	0.0	0.0	278.18	5.46	1.28	9.90e-04	-0.56	-1.63
		-1.63	-0.56	9.59e-05	0.0	109.0	278.83	5.46	1.28	9.90e-04	0.84	4.30
123	33	1.68	0.43	-1.02e-03	0.0	0.0	-343.90	-5.62	-1.20	-9.69e-04	0.43	1.68
		-4.42	-0.88	-7.93e-05	0.0	109.0	-343.25	-5.62	-1.20	-9.69e-04	-0.88	-4.42

123	60	3.11	0.61	7.47e-04	0.0	0.0	194.78	3.96	0.94	6.75e-04	-0.42	-1.18
		-1.18	-0.42	6.80e-05	0.0	109.0	195.43	3.96	0.94	6.75e-04	0.61	3.11
123	61	1.23	0.30	-7.40e-04	0.0	0.0	-260.49	-4.11	-0.86	-6.55e-04	0.30	1.23
		-3.23	-0.64	-5.14e-05	0.0	109.0	-259.85	-4.11	-0.86	-6.55e-04	-0.64	-3.23
123	64	3.11	0.61	7.49e-04	0.0	0.0	194.54	3.96	0.94	7.27e-04	-0.42	-1.18
		-1.18	-0.42	6.73e-05	0.0	109.0	195.19	3.96	0.94	7.27e-04	0.61	3.11
123	65	1.23	0.30	-7.42e-04	0.0	0.0	-260.26	-4.11	-0.86	-7.07e-04	0.30	1.23
		-3.23	-0.65	-5.06e-05	0.0	109.0	-259.61	-4.11	-0.86	-7.07e-04	-0.65	-3.23
123	83	0.03	-0.08	3.64e-06	0.0	0.0	-51.49	-0.16	0.03	7.85e-05	-0.11	0.03
		-0.09	-0.11	1.04e-04	0.0	109.0	-50.84	-0.16	0.03	7.85e-05	-0.08	-0.09
123	84	0.02	0.04	2.88e-06	0.0	0.0	-14.23	7.29e-03	0.05	-5.78e-05	-0.01	0.02
		-0.03	-0.01	-8.56e-05	0.0	109.0	-13.58	7.29e-03	0.05	-5.78e-05	0.04	-0.03
123	85	0.03	-0.09	-1.96e-06	0.0	0.0	-50.79	-0.16	0.03	-7.67e-05	-0.11	0.03
		-0.09	-0.11	1.06e-04	0.0	109.0	-50.14	-0.16	0.03	-7.67e-05	-0.09	-0.09
123	86	0.02	0.05	8.15e-06	0.0	0.0	-14.93	6.52e-03	0.05	9.73e-05	-9.47e-03	0.02
		-0.03	-9.47e-03	-8.81e-05	0.0	109.0	-14.28	6.52e-03	0.05	9.73e-05	0.05	-0.03
123	96	5.14	1.00	1.22e-03	0.0	0.0	338.41	6.54	1.52	1.10e-03	-0.66	-1.96
		-1.96	-0.66	1.16e-04	0.0	109.0	339.06	6.54	1.52	1.10e-03	1.00	5.14
123	97	2.00	0.53	-1.22e-03	0.0	0.0	-404.13	-6.69	-1.44	-1.08e-03	0.53	2.00
		-5.26	-1.04	-9.92e-05	0.0	109.0	-403.48	-6.69	-1.44	-1.08e-03	-1.04	-5.26
123	100	5.14	1.00	1.23e-03	0.0	0.0	338.15	6.53	1.52	1.18e-03	-0.66	-1.95
		-1.95	-0.66	1.15e-04	0.0	109.0	338.80	6.53	1.52	1.18e-03	1.00	5.14
123	101	2.00	0.53	-1.22e-03	0.0	0.0	-403.87	-6.69	-1.44	-1.16e-03	0.53	2.00
		-5.26	-1.04	-9.81e-05	0.0	109.0	-403.22	-6.69	-1.44	-1.16e-03	-1.04	-5.26
124	1	-6.00e-03	0.10	-3.01e-06	0.0	0.0	-49.51	2.96e-03	0.15	-1.08e-04	-1.09	-9.55e-03
		-9.55e-03	-0.09	4.03e-05	0.0	120.0	-48.56	2.96e-03	0.15	-1.08e-04	0.10	-6.00e-03
124	2	-8.88e-03	9.05e-04	-7.90e-06	0.0	0.0	-75.42	0.01	0.03	-1.35e-05	-0.04	-0.02
		-0.02	-0.04	5.03e-06	0.0	120.0	-74.47	0.01	0.03	-1.35e-05	9.05e-04	-8.88e-03
124	3	-6.15e-03	0.09	-2.86e-06	0.0	0.0	-39.86	2.58e-03	0.14	-1.06e-04	-0.08	-9.24e-03
		-9.24e-03	-0.08	4.42e-05	0.0	120.0	-39.13	2.58e-03	0.14	-1.06e-04	0.09	-6.15e-03
124	5	-0.01	0.15	-4.59e-06	0.0	0.0	-54.64	3.83e-03	0.22	-1.76e-04	-0.11	-0.02
		-0.02	-0.11	7.85e-05	0.0	120.0	-53.69	3.83e-03	0.22	-1.76e-04	0.15	-0.01
124	6	-0.01	0.08	-8.01e-06	0.0	0.0	-72.77	9.81e-03	0.13	-1.10e-04	-0.08	-0.02
		-0.02	-0.08	5.39e-05	0.0	120.0	-71.82	9.81e-03	0.13	-1.10e-04	0.08	-0.01
124	9	-3.93e-03	0.07	-2.07e-06	0.0	0.0	-37.30	2.14e-03	0.11	-7.22e-05	-0.06	-6.50e-03
		-6.50e-03	-0.06	2.51e-05	0.0	120.0	-36.57	2.14e-03	0.11	-7.22e-05	0.07	-3.93e-03
124	10	-5.85e-03	2.64e-03	-5.33e-06	0.0	0.0	-54.57	7.84e-03	0.03	-9.56e-06	-0.03	-0.02
		-0.02	-0.03	1.59e-06	0.0	120.0	-53.84	7.84e-03	0.03	-9.56e-06	2.64e-03	-5.85e-03
124	11	-6.89e-03	0.10	-3.12e-06	0.0	0.0	-40.72	2.72e-03	0.15	-1.18e-04	-0.08	-0.01
		-0.01	-0.08	5.06e-05	0.0	120.0	-39.99	2.72e-03	0.15	-1.18e-04	0.10	-6.89e-03
124	12	-8.24e-03	0.05	-5.41e-06	0.0	0.0	-52.80	6.71e-03	0.09	-7.38e-05	-0.06	-0.02
		-0.02	-0.06	3.42e-05	0.0	120.0	-52.07	6.71e-03	0.09	-7.38e-05	0.05	-8.24e-03
124	13	5.19e-04	0.02	0.0	0.0	0.0	-32.17	1.28e-03	0.04	-4.03e-06	-0.04	-1.01e-03
		-1.01e-03	-0.04	-1.32e-05	0.0	120.0	-31.44	1.28e-03	0.04	-4.03e-06	0.02	5.19e-04
124	14	-4.41e-04	-0.02	-2.12e-06	0.0	0.0	-40.81	4.12e-03	2.93e-03	2.73e-05	-0.02	-5.39e-03
		-5.39e-03	-0.02	-2.49e-05	0.0	120.0	-40.08	4.12e-03	2.93e-03	2.73e-05	-0.02	-4.41e-04
124	15	-9.64e-04	0.03	-1.02e-06	0.0	0.0	-33.88	1.57e-03	0.06	-2.68e-05	-0.05	-2.84e-03
		-2.84e-03	-0.05	0.0	0.0	120.0	-33.15	1.57e-03	0.06	-2.68e-05	0.03	-9.64e-04
124	16	-1.54e-03	0.01	-1.99e-06	0.0	0.0	-39.06	3.27e-03	0.04	-7.96e-06	-0.04	-5.47e-03
		-5.47e-03	-0.04	-7.48e-06	0.0	120.0	-38.33	3.27e-03	0.04	-7.96e-06	0.01	-1.54e-03
124	17	5.19e-04	0.02	0.0	0.0	0.0	-32.17	1.28e-03	0.04	-4.03e-06	-0.04	-1.01e-03
		-1.01e-03	-0.04	-1.32e-05	0.0	120.0	-31.44	1.28e-03	0.04	-4.03e-06	0.02	5.19e-04
124	18	-5.69e-05	-3.57e-03	-1.47e-06	0.0	0.0	-37.35	2.99e-03	0.02	1.48e-05	-0.03	-3.64e-03
		-3.64e-03	-0.03	-2.02e-05	0.0	120.0	-36.62	2.99e-03	0.02	1.48e-05	-3.57e-03	-5.69e-05
124	24	-2.75	0.82	-3.76e-03	0.0	0.0	57.16	6.28	-0.83	2.87e-03	0.82	-9.98
		-9.98	-0.17	1.98e-05	0.0	120.0	57.90	6.28	-0.83	2.87e-03	-0.17	-2.75
124	25	9.97	0.17	3.76e-03	0.0	0.0	-131.87	-6.27	0.87	-2.84e-03	-0.87	9.97
		2.75	-0.87	-6.03e-05	0.0	120.0	-131.14	-6.27	0.87	-2.84e-03	0.17	2.75
124	31	-2.90	0.93	-3.08e-03	0.0	0.0	82.94	4.61	-0.99	2.64e-03	0.93	-8.54
		-8.54	-0.25	-6.61e-05	0.0	120.0	83.67	4.61	-0.99	2.64e-03	-0.25	-2.90
124	34	8.53	0.25	3.08e-03	0.0	0.0	-157.65	-4.60	1.03	-2.61e-03	-0.98	8.53
		2.90	-0.98	2.88e-05	0.0	120.0	-156.91	-4.60	1.03	-2.61e-03	0.25	2.90
124	56	-2.03	0.59	-2.73e-03	0.0	0.0	30.21	4.58	-0.59	2.07e-03	0.59	-7.24
		-7.24	-0.12	1.48e-05	0.0	120.0	30.94	4.58	-0.59	2.07e-03	-0.12	-2.03
124	57	7.23	0.12	2.73e-03	0.0	0.0	-104.92	-4.57	0.63	-2.04e-03	-0.64	7.23
		2.03	-0.64	-5.53e-05	0.0	120.0	-104.19	-4.57	0.63	-2.04e-03	0.12	2.03
124	63	-2.10	0.67	-2.24e-03	0.0	0.0	51.21	3.34	-0.72	1.94e-03	0.67	-6.21
		-6.21	-0.19	-5.97e-05	0.0	120.0	51.94	3.34	-0.72	1.94e-03	-0.19	-2.10
124	66	6.21	0.18	2.24e-03	0.0	0.0	-125.92	-3.33	0.76	-1.91e-03	-0.73	6.21
		2.10	-0.73	2.14e-05	0.0	120.0	-125.19	-3.33	0.76	-1.91e-03	0.18	2.10
124	84	0.13	0.07	2.05e-05	0.0	0.0	-54.86	-0.10	0.13	-3.67e-04	-0.09	0.02
		0.02	-0.09	8.26e-05	0.0	120.0	-54.13	-0.10	0.13	-3.67e-04	0.07	0.13
124	85	0.31	0.04	5.12e-05	0.0	0.0	-19.43	-0.23	-0.10	2.86e-04	0.04	0.07
		0.07	-0.08	-1.26e-04	0.0	120.0	-18.70	-0.23	-0.10	2.86e-04	-0.08	0.31
124	86	-0.08	0.07	-5.41e-05	0.0	0.0	-55.28	0.24	0.13	-2.56e-04	-0.09	-0.08

		-0.31	-0.09	8.53e-05	0.0	120.0	-54.55	0.24	0.13	-2.56e-04	0.07	-0.31
124	92	-3.28	0.99	-4.51e-03	0.0	0.0	76.32	7.52	-1.00	3.44e-03	0.99	-11.95
		-11.95	-0.21	2.53e-05	0.0	120.0	77.05	7.52	-1.00	3.44e-03	-0.21	-3.28
124	93	11.95	0.20	4.50e-03	0.0	0.0	-151.03	-7.51	1.04	-3.41e-03	-1.04	11.95
		3.28	-1.04	-6.58e-05	0.0	120.0	-150.30	-7.51	1.04	-3.41e-03	0.20	3.28
124	99	-3.46	1.12	-3.68e-03	0.0	0.0	105.89	5.50	-1.18	3.14e-03	1.12	-10.20
		-10.20	-0.30	-7.27e-05	0.0	120.0	106.63	5.50	-1.18	3.14e-03	-0.30	-3.46
124	102	10.19	0.29	3.67e-03	0.0	0.0	-180.60	-5.50	1.22	-3.11e-03	-1.17	10.19
		3.46	-1.17	3.53e-05	0.0	120.0	-179.87	-5.50	1.22	-3.11e-03	0.29	3.46
125	1	-5.93e-03	0.19	-3.00e-06	0.0	0.0	-47.42	3.00e-03	0.26	2.57e-04	-0.12	-9.54e-03
		-9.54e-03	-0.12	4.57e-05	0.0	120.0	-46.47	3.00e-03	0.26	2.57e-04	0.19	-5.93e-03
125	3	-6.11e-03	0.18	-2.86e-06	0.0	0.0	-38.55	2.60e-03	0.24	2.42e-04	-0.11	-9.23e-03
		-9.23e-03	-0.11	4.82e-05	0.0	120.0	-37.82	2.60e-03	0.24	2.42e-04	0.18	-6.11e-03
125	6	-0.01	0.28	-8.01e-06	0.0	0.0	-62.72	9.85e-03	0.38	5.08e-04	-0.17	-0.02
		-0.02	-0.17	7.51e-05	0.0	120.0	-61.77	9.85e-03	0.38	5.08e-04	0.28	-0.01
125	9	-3.88e-03	0.13	-2.07e-06	0.0	0.0	-35.56	2.18e-03	0.18	1.78e-04	-0.09	-6.49e-03
		-6.49e-03	-0.09	2.94e-05	0.0	120.0	-34.82	2.18e-03	0.18	1.78e-04	0.13	-3.88e-03
125	12	-8.18e-03	0.19	-5.40e-06	0.0	0.0	-45.76	6.75e-03	0.26	3.45e-04	-0.12	-0.02
		-0.02	-0.12	4.90e-05	0.0	120.0	-45.03	6.75e-03	0.26	3.45e-04	0.19	-8.18e-03
125	13	5.84e-04	0.03	0.0	0.0	0.0	-29.57	1.33e-03	0.07	4.98e-05	-0.05	-1.01e-03
		-1.01e-03	-0.05	-8.19e-06	0.0	120.0	-28.83	1.33e-03	0.07	4.98e-05	0.03	5.84e-04
125	16	-1.47e-03	0.07	-1.99e-06	0.0	0.0	-34.22	3.33e-03	0.11	1.28e-04	-0.06	-5.47e-03
		-5.47e-03	-0.06	2.00e-06	0.0	120.0	-33.49	3.33e-03	0.11	1.28e-04	0.07	-1.47e-03
125	17	5.84e-04	0.03	0.0	0.0	0.0	-29.57	1.33e-03	0.07	4.98e-05	-0.05	-1.01e-03
		-1.01e-03	-0.05	-8.19e-06	0.0	120.0	-28.83	1.33e-03	0.07	4.98e-05	0.03	5.84e-04
125	18	1.45e-05	0.03	-1.46e-06	0.0	0.0	-32.23	3.04e-03	0.07	8.50e-05	-0.05	-3.64e-03
		-3.64e-03	-0.05	-1.05e-05	0.0	120.0	-31.49	3.04e-03	0.07	8.50e-05	0.03	1.45e-05
125	24	-2.75	0.26	-3.76e-03	0.0	0.0	-140.48	6.28	0.98	3.24e-03	-0.92	-9.97
		-9.97	-0.92	2.81e-05	0.0	120.0	-139.75	6.28	0.98	3.24e-03	0.26	-2.75
125	25	9.96	0.83	3.76e-03	0.0	0.0	76.03	-6.27	-0.84	-3.07e-03	0.83	9.96
		2.75	-0.19	-4.77e-05	0.0	120.0	76.76	-6.27	-0.84	-3.07e-03	-0.19	2.75
125	28	-2.96	0.28	-3.09e-03	0.0	0.0	-153.31	4.65	1.04	2.75e-03	-0.98	-8.56
		-8.56	-0.98	3.61e-05	0.0	120.0	-152.58	4.65	1.04	2.75e-03	0.28	-2.96
125	29	8.55	0.88	3.09e-03	0.0	0.0	88.86	-4.65	-0.91	-2.58e-03	0.88	8.55
		2.96	-0.21	-5.72e-05	0.0	120.0	89.59	-4.65	-0.91	-2.58e-03	-0.21	2.96
125	56	-2.03	0.20	-2.73e-03	0.0	0.0	-111.84	4.58	0.73	2.40e-03	-0.68	-7.24
		-7.24	-0.68	2.17e-05	0.0	120.0	-111.11	4.58	0.73	2.40e-03	0.20	-2.03
125	57	7.23	0.59	2.73e-03	0.0	0.0	47.39	-4.57	-0.60	-2.23e-03	0.59	7.23
		2.03	-0.13	-4.26e-05	0.0	120.0	48.12	-4.57	-0.60	-2.23e-03	-0.13	2.03
125	60	-2.15	0.21	-2.25e-03	0.0	0.0	-121.49	3.38	0.78	2.05e-03	-0.73	-6.23
		-6.23	-0.73	2.93e-05	0.0	120.0	-120.76	3.38	0.78	2.05e-03	0.21	-2.15
125	61	6.22	0.63	2.25e-03	0.0	0.0	57.04	-3.38	-0.65	-1.88e-03	0.63	6.22
		2.15	-0.14	-5.04e-05	0.0	120.0	57.77	-3.38	-0.65	-1.88e-03	-0.14	2.15
125	83	-0.03	0.01	-2.34e-05	0.0	0.0	-13.41	0.11	-0.05	-2.83e-04	0.01	-0.03
		-0.13	-0.05	-1.09e-04	0.0	120.0	-12.68	0.11	-0.05	-2.83e-04	-0.05	-0.13
125	84	0.13	0.12	2.05e-05	0.0	0.0	-51.05	-0.10	0.19	4.53e-04	-0.11	0.02
		0.02	-0.11	8.76e-05	0.0	120.0	-50.31	-0.10	0.19	4.53e-04	0.12	0.13
125	85	0.31	7.07e-03	5.12e-05	0.0	0.0	-15.30	-0.23	-0.06	-4.38e-04	7.07e-03	0.07
		0.07	-0.06	-9.70e-05	0.0	120.0	-14.57	-0.23	-0.06	-4.38e-04	-0.06	0.31
125	86	-0.08	0.13	-5.41e-05	0.0	0.0	-49.15	0.24	0.19	6.08e-04	-0.10	-0.08
		-0.31	-0.10	7.60e-05	0.0	120.0	-48.42	0.24	0.19	6.08e-04	0.13	-0.31
125	92	-3.28	0.30	-4.51e-03	0.0	0.0	-161.51	7.52	1.16	3.86e-03	-1.09	-11.95
		-11.95	-1.09	3.36e-05	0.0	120.0	-160.78	7.52	1.16	3.86e-03	0.30	-3.28
125	93	11.94	1.00	4.50e-03	0.0	0.0	97.06	-7.51	-1.02	-3.69e-03	1.00	11.94
		3.28	-0.23	-5.30e-05	0.0	120.0	97.79	-7.51	-1.02	-3.69e-03	-0.23	3.28
125	96	-3.53	0.32	-3.69e-03	0.0	0.0	-176.37	5.56	1.23	3.26e-03	-1.16	-10.22
		-10.22	-1.16	4.29e-05	0.0	120.0	-175.64	5.56	1.23	3.26e-03	0.32	-3.53
125	97	10.21	1.06	3.69e-03	0.0	0.0	111.92	-5.55	-1.09	-3.09e-03	1.06	10.21
		3.53	-0.25	-6.39e-05	0.0	120.0	112.65	-5.55	-1.09	-3.09e-03	-0.25	3.53
126	1	0.39	6.87e-04	2.31e-06	0.0	0.0	-7.95	0.34	0.02	-1.08e-04	-0.03	-0.02
		-0.02	-0.03	3.05e-05	0.0	120.0	-7.00	0.34	0.02	-1.08e-04	6.87e-04	0.39
126	2	0.41	2.31e-03	1.71e-05	0.0	0.0	-6.43	0.29	0.03	-1.35e-05	-0.03	0.07
		0.07	-0.03	4.74e-05	0.0	120.0	-5.48	0.29	0.03	-1.35e-05	2.31e-03	0.41
126	4	0.33	2.29e-03	1.58e-05	0.0	0.0	-4.58	0.21	0.03	-1.23e-05	-0.04	0.08
		0.08	-0.04	4.52e-05	0.0	120.0	-3.85	0.21	0.03	-1.23e-05	2.29e-03	0.33
126	6	0.43	2.22e-03	1.02e-05	0.0	0.0	-6.84	0.32	0.05	-1.10e-04	-0.06	0.05
		0.05	-0.06	5.64e-05	0.0	120.0	-5.89	0.32	0.05	-1.10e-04	2.22e-03	0.43
126	8	0.35	2.20e-03	8.83e-06	0.0	0.0	-4.99	0.25	0.05	-1.09e-04	-0.06	0.05
		0.05	-0.06	5.43e-05	0.0	120.0	-4.26	0.25	0.05	-1.09e-04	2.20e-03	0.35
126	9	0.30	4.67e-04	2.16e-06	0.0	0.0	-6.12	0.26	0.02	-7.22e-05	-0.02	-0.01
		-0.01	-0.02	2.13e-05	0.0	120.0	-5.39	0.26	0.02	-7.22e-05	4.67e-04	0.30
126	10	0.31	1.55e-03	1.20e-05	0.0	0.0	-5.11	0.22	0.02	-9.56e-06	-0.02	0.05
		0.05	-0.02	3.25e-05	0.0	120.0	-4.38	0.22	0.02	-9.56e-06	1.55e-03	0.31
126	12	0.33	1.49e-03	7.43e-06	0.0	0.0	-5.38	0.25	0.03	-7.38e-05	-0.04	0.03
		0.03	-0.04	3.86e-05	0.0	120.0	-4.65	0.25	0.03	-7.38e-05	1.49e-03	0.33

126	13	0.27	3.71e-03	4.63e-06	0.0	0.0	-6.17	0.24	-3.03e-03	-4.03e-06	3.71e-03	-0.02
		-0.02	6.77e-05	7.13e-06	0.0	120.0	-5.44	0.24	-3.03e-03	-4.03e-06	6.77e-05	0.27
126	14	0.28	2.09e-03	9.57e-06	0.0	0.0	-5.66	0.22	-1.23e-03	2.73e-05	2.09e-03	0.01
		0.01	6.09e-04	1.28e-05	0.0	120.0	-4.93	0.22	-1.23e-03	2.73e-05	6.09e-04	0.28
126	16	0.29	5.25e-04	6.77e-06	0.0	0.0	-5.85	0.24	4.44e-03	-7.96e-06	-4.80e-03	2.84e-03
		2.84e-03	-4.80e-03	1.52e-05	0.0	120.0	-5.12	0.24	4.44e-03	-7.96e-06	5.25e-04	0.29
126	17	0.27	3.71e-03	4.63e-06	0.0	0.0	-6.17	0.24	-3.03e-03	-4.03e-06	3.71e-03	-0.02
		-0.02	6.77e-05	7.13e-06	0.0	120.0	-5.44	0.24	-3.03e-03	-4.03e-06	6.77e-05	0.27
126	18	0.28	2.74e-03	7.59e-06	0.0	0.0	-5.87	0.23	-1.95e-03	1.48e-05	2.74e-03	2.03e-03
		2.03e-03	3.92e-04	1.05e-05	0.0	120.0	-5.14	0.23	-1.95e-03	1.48e-05	3.92e-04	0.28
126	23	-1.68	0.12	3.28e-04	0.0	0.0	-21.05	-8.30	-0.11	3.07e-03	0.12	-1.68
		-11.06	-0.01	2.11e-04	0.0	120.0	-20.32	-8.30	-0.11	3.07e-03	-0.01	-11.06
126	26	11.61	0.01	-3.17e-04	0.0	0.0	9.31	8.75	0.11	-3.04e-03	-0.11	1.68
		1.68	-0.11	-1.90e-04	0.0	120.0	10.04	8.75	0.11	-3.04e-03	0.01	11.61
126	31	-1.80	0.12	-1.50e-04	0.0	0.0	-17.09	-5.31	-0.11	2.64e-03	0.12	-1.80
		-5.19	-0.01	2.03e-04	0.0	120.0	-16.36	-5.31	-0.11	2.64e-03	-0.01	-5.19
126	34	5.75	0.01	1.65e-04	0.0	0.0	5.36	5.77	0.11	-2.61e-03	-0.11	1.80
		1.80	-0.11	-1.82e-04	0.0	120.0	6.09	5.77	0.11	-2.61e-03	0.01	5.75
126	55	-1.31	0.09	2.39e-04	0.0	0.0	-16.90	-5.98	-0.08	2.25e-03	0.09	-1.31
		-8.00	-9.13e-03	1.53e-04	0.0	120.0	-16.17	-5.98	-0.08	2.25e-03	-9.13e-03	-8.00
126	58	8.55	9.91e-03	-2.28e-04	0.0	0.0	5.17	6.44	0.08	-2.22e-03	-0.08	1.32
		1.32	-0.08	-1.32e-04	0.0	120.0	5.90	6.44	0.08	-2.22e-03	9.91e-03	8.55
126	63	-1.35	0.09	-1.07e-04	0.0	0.0	-14.05	-3.82	-0.08	1.94e-03	0.09	-1.35
		-3.74	-9.50e-03	1.48e-04	0.0	120.0	-13.32	-3.82	-0.08	1.94e-03	-9.50e-03	-3.74
126	66	4.30	0.01	1.23e-04	0.0	0.0	2.32	4.28	0.08	-1.91e-03	-0.09	1.36
		1.36	-0.09	-1.27e-04	0.0	120.0	3.05	4.28	0.08	-1.91e-03	0.01	4.30
126	85	-0.03	0.06	1.17e-05	0.0	0.0	-6.36	-7.87e-03	-0.05	2.86e-04	0.06	-0.35
		-0.35	-5.21e-04	-3.79e-05	0.0	120.0	-5.63	-7.87e-03	-0.05	2.86e-04	-5.21e-04	-0.35
126	86	0.58	1.31e-03	-5.27e-06	0.0	0.0	-5.38	0.47	0.05	-2.56e-04	-0.06	0.35
		0.35	-0.06	5.89e-05	0.0	120.0	-4.64	0.47	0.05	-2.56e-04	1.31e-03	0.58
126	91	-1.97	0.14	3.93e-04	0.0	0.0	-24.05	-9.98	-0.13	3.67e-03	0.14	-1.97
		-13.28	-0.02	2.52e-04	0.0	120.0	-23.32	-9.98	-0.13	3.67e-03	-0.02	-13.28
126	94	13.84	0.02	-3.82e-04	0.0	0.0	12.31	10.44	0.13	-3.64e-03	-0.13	1.97
		1.97	-0.13	-2.31e-04	0.0	120.0	13.05	10.44	0.13	-3.64e-03	0.02	13.84
126	99	-2.13	0.14	-1.80e-04	0.0	0.0	-19.26	-6.38	-0.13	3.14e-03	0.14	-2.13
		-6.24	-0.02	2.42e-04	0.0	120.0	-18.53	-6.38	-0.13	3.14e-03	-0.02	-6.24
126	102	6.79	0.02	1.96e-04	0.0	0.0	7.53	6.83	0.13	-3.11e-03	-0.13	2.13
		2.13	-0.13	-2.21e-04	0.0	120.0	8.26	6.83	0.13	-3.11e-03	0.02	6.79
127	2	0.12	2.32e-03	1.32e-05	0.0	0.0	-9.81	-0.22	-1.68e-03	4.33e-04	2.32e-03	0.12
		-0.14	3.06e-04	3.14e-05	0.0	120.0	-8.86	-0.22	-1.68e-03	4.33e-04	3.06e-04	-0.14
127	3	0.05	-4.52e-04	-2.80e-06	0.0	0.0	-6.74	-0.26	1.43e-03	2.42e-04	-2.17e-03	0.05
		-0.26	-2.17e-03	3.64e-05	0.0	120.0	-6.01	-0.26	1.43e-03	2.42e-04	-4.52e-04	-0.26
127	5	0.06	-7.06e-04	-5.43e-06	0.0	0.0	-8.77	-0.34	4.04e-03	3.85e-04	-5.56e-03	0.06
		-0.35	-5.56e-03	5.96e-05	0.0	120.0	-7.82	-0.34	4.04e-03	3.85e-04	-7.06e-04	-0.35
127	7	0.05	-6.67e-04	-6.06e-06	0.0	0.0	-6.76	-0.27	5.39e-03	3.70e-04	-7.14e-03	0.05
		-0.28	-7.14e-03	5.88e-05	0.0	120.0	-6.03	-0.27	5.39e-03	3.70e-04	-6.67e-04	-0.28
127	9	0.04	3.11e-04	-1.18e-06	0.0	0.0	-6.73	-0.25	-5.46e-04	1.78e-04	3.11e-04	0.04
		-0.25	-3.44e-04	2.52e-05	0.0	120.0	-6.00	-0.25	-5.46e-04	1.78e-04	-3.44e-04	-0.25
127	10	0.09	2.25e-03	9.10e-06	0.0	0.0	-7.44	-0.18	-1.72e-03	2.95e-04	2.25e-03	0.09
		-0.12	1.87e-04	2.13e-05	0.0	120.0	-6.70	-0.18	-1.72e-03	2.95e-04	1.87e-04	-0.12
127	11	0.05	-4.88e-04	-3.35e-06	0.0	0.0	-6.74	-0.26	2.09e-03	2.63e-04	-3.00e-03	0.05
		-0.26	-3.00e-03	4.01e-05	0.0	120.0	-6.01	-0.26	2.09e-03	2.63e-04	-4.88e-04	-0.26
127	13	0.04	5.28e-03	2.91e-06	0.0	0.0	-6.71	-0.23	-4.51e-03	4.98e-05	5.28e-03	0.04
		-0.24	-1.28e-04	2.73e-06	0.0	120.0	-5.98	-0.23	-4.51e-03	4.98e-05	-1.28e-04	-0.24
127	14	0.06	6.25e-03	7.21e-06	0.0	0.0	-7.06	-0.20	-5.09e-03	1.08e-04	6.25e-03	0.06
		-0.17	1.37e-04	0.0	0.0	120.0	-6.33	-0.20	-5.09e-03	1.08e-04	1.37e-04	-0.17
127	15	0.04	3.62e-03	2.19e-06	0.0	0.0	-6.72	-0.24	-3.19e-03	9.25e-05	3.62e-03	0.04
		-0.24	-2.00e-04	1.02e-05	0.0	120.0	-5.99	-0.24	-3.19e-03	9.25e-05	-2.00e-04	-0.24
127	17	0.04	5.28e-03	2.91e-06	0.0	0.0	-6.71	-0.23	-4.51e-03	4.98e-05	5.28e-03	0.04
		-0.24	-1.28e-04	2.73e-06	0.0	120.0	-5.98	-0.23	-4.51e-03	4.98e-05	-1.28e-04	-0.24
127	18	0.06	5.86e-03	5.21e-06	0.0	0.0	-6.92	-0.21	-4.86e-03	8.50e-05	5.86e-03	0.06
		-0.20	3.09e-05	1.57e-06	0.0	120.0	-6.19	-0.21	-4.86e-03	8.50e-05	3.09e-05	-0.20
127	20	-1.54	0.01	3.27e-04	0.0	0.0	8.22	-8.70	0.10	3.18e-03	-0.10	-1.54
		-11.47	-0.10	-1.93e-04	0.0	120.0	8.95	-8.70	0.10	3.18e-03	0.01	-11.47
127	21	11.08	0.11	-3.17e-04	0.0	0.0	-22.06	8.28	-0.11	-3.01e-03	0.11	1.65
		1.65	-0.01	1.96e-04	0.0	120.0	-21.33	8.28	-0.11	-3.01e-03	-0.01	11.08
127	24	-1.35	0.01	3.24e-04	0.0	0.0	8.22	-8.74	0.09	3.24e-03	-0.10	-1.35
		-11.51	-0.10	-1.93e-04	0.0	120.0	8.96	-8.74	0.09	3.24e-03	0.01	-11.51
127	25	11.12	0.11	-3.13e-04	0.0	0.0	-22.07	8.32	-0.10	-3.07e-03	0.11	1.46
		1.46	-0.01	1.96e-04	0.0	120.0	-21.34	8.32	-0.10	-3.07e-03	-0.01	11.12
127	56	-1.02	9.00e-03	2.36e-04	0.0	0.0	4.08	-6.42	0.07	2.40e-03	-0.07	-1.02
		-8.45	-0.07	-1.35e-04	0.0	120.0	4.82	-6.42	0.07	2.40e-03	9.00e-03	-8.45
127	57	8.06	0.08	-2.25e-04	0.0	0.0	-17.93	6.00	-0.08	-2.23e-03	0.08	1.13
		1.13	-8.94e-03	1.38e-04	0.0	120.0	-17.20	6.00	-0.08	-2.23e-03	-8.94e-03	8.06
127	60	-1.24	9.42e-03	-1.10e-04	0.0	0.0	1.23	-4.22	0.07	2.05e-03	-0.08	-1.24

127	61	-4.16	-0.08	-1.30e-04	0.0	120.0	1.96	-4.22	0.07	2.05e-03	9.42e-03	-4.16
		3.77	0.09	1.21e-04	0.0	0.0	-15.08	3.80	-0.08	-1.88e-03	0.09	1.35
		1.35	-9.36e-03	1.33e-04	0.0	120.0	-14.35	3.80	-0.08	-1.88e-03	-9.36e-03	3.77
127	83	0.22	0.05	-1.11e-06	0.0	0.0	-7.21	-0.10	-0.04	-2.83e-04	0.05	0.22
		-0.03	6.14e-04	-6.23e-05	0.0	120.0	-6.48	-0.10	-0.04	-2.83e-04	6.14e-04	-0.03
127	84	-0.11	-5.52e-04	9.91e-06	0.0	0.0	-6.64	-0.32	0.03	4.53e-04	-0.04	-0.11
		-0.36	-0.04	6.54e-05	0.0	120.0	-5.90	-0.32	0.03	4.53e-04	-5.52e-04	-0.36
127	85	0.06	0.04	9.53e-06	0.0	0.0	-7.22	0.02	-0.03	-4.38e-04	0.04	-0.30
		-0.30	7.55e-04	-6.31e-05	0.0	120.0	-6.49	0.02	-0.03	-4.38e-04	7.55e-04	0.06
127	86	0.41	-6.94e-04	1.66e-06	0.0	0.0	-6.63	-0.44	0.02	6.08e-04	-0.02	0.41
		-0.45	-0.02	6.63e-05	0.0	120.0	-5.90	-0.44	0.02	6.08e-04	-6.94e-04	-0.45
127	88	-1.82	0.01	3.91e-04	0.0	0.0	11.21	-10.38	0.12	3.79e-03	-0.12	-1.82
		-13.69	-0.12	-2.33e-04	0.0	120.0	11.95	-10.38	0.12	3.79e-03	0.01	-13.69
127	89	13.30	0.14	-3.81e-04	0.0	0.0	-25.06	9.96	-0.13	-3.62e-03	0.14	1.93
		1.93	-0.01	2.36e-04	0.0	120.0	-24.33	9.96	-0.13	-3.62e-03	-0.01	13.30
127	92	-1.60	0.01	3.87e-04	0.0	0.0	11.22	-10.43	0.11	3.86e-03	-0.12	-1.60
		-13.73	-0.12	-2.33e-04	0.0	120.0	11.95	-10.43	0.11	3.86e-03	0.01	-13.73
127	93	13.34	0.13	-3.77e-04	0.0	0.0	-25.07	10.01	-0.12	-3.69e-03	0.13	1.71
		1.71	-0.01	2.36e-04	0.0	120.0	-24.34	10.01	-0.12	-3.69e-03	-0.01	13.34
128	2	0.03	0.01	2.68e-05	0.0	0.0	-15.61	-0.02	-8.61e-03	0.0	0.01	0.03
		4.30e-03	9.52e-04	-8.87e-06	0.0	120.0	-14.68	-0.02	-8.61e-03	0.0	9.52e-04	4.30e-03
128	5	0.05	0.02	5.49e-05	0.0	0.0	-13.34	-0.04	-0.02	0.0	0.02	0.05
		1.70e-03	-4.40e-03	3.02e-06	0.0	120.0	-12.41	-0.04	-0.02	0.0	-4.40e-03	1.70e-03
128	7	0.05	0.02	5.49e-05	0.0	0.0	-9.66	-0.04	-0.02	0.0	0.02	0.05
		3.91e-04	-5.26e-03	3.91e-06	0.0	120.0	-8.95	-0.04	-0.02	0.0	-5.26e-03	3.91e-04
128	10	0.02	7.87e-03	1.78e-05	0.0	0.0	-12.04	-0.01	-5.71e-03	0.0	7.87e-03	0.02
		3.45e-03	1.02e-03	-6.31e-06	0.0	120.0	-11.33	-0.01	-5.71e-03	0.0	1.02e-03	3.45e-03
128	11	0.04	0.02	3.65e-05	0.0	0.0	-10.52	-0.03	-0.02	0.0	0.02	0.04
		1.71e-03	-2.55e-03	1.62e-06	0.0	120.0	-9.81	-0.03	-0.02	0.0	-2.55e-03	1.71e-03
128	14	4.70e-03	3.57e-03	-2.21e-06	0.0	0.0	-12.66	3.15e-03	2.06e-03	0.0	1.10e-03	9.16e-04
		9.16e-04	1.10e-03	-6.02e-06	0.0	120.0	-11.94	3.15e-03	2.06e-03	0.0	3.57e-03	4.70e-03
128	15	9.72e-03	5.31e-03	7.15e-06	0.0	0.0	-11.90	-4.91e-03	-2.93e-03	0.0	5.31e-03	9.72e-03
		3.83e-03	1.79e-03	-2.05e-06	0.0	120.0	-11.19	-4.91e-03	-2.93e-03	0.0	1.79e-03	3.83e-03
128	17	4.36e-03	2.87e-03	0.0	0.0	0.0	-12.24	9.04e-04	2.58e-04	0.0	2.56e-03	3.28e-03
		3.28e-03	2.56e-03	-2.97e-06	0.0	120.0	-11.53	9.04e-04	2.58e-04	0.0	2.87e-03	4.36e-03
128	18	4.56e-03	3.29e-03	-1.41e-06	0.0	0.0	-12.49	2.25e-03	1.34e-03	0.0	1.68e-03	1.86e-03
		1.86e-03	1.68e-03	-4.80e-06	0.0	120.0	-11.78	2.25e-03	1.34e-03	0.0	3.29e-03	4.56e-03
128	27	0.59	1.91	-1.96e-04	0.0	0.0	-138.17	-0.20	-1.24	0.0	1.91	0.59
		0.34	0.43	2.15e-03	0.0	120.0	-137.45	-0.20	-1.24	0.0	0.43	0.34
128	30	-0.33	-0.42	1.93e-04	0.0	0.0	113.18	0.20	1.24	0.0	-1.91	-0.58
		-0.58	-1.91	-2.16e-03	0.0	120.0	113.90	0.20	1.24	0.0	-0.42	-0.33
128	31	0.58	1.91	-1.93e-04	0.0	0.0	-138.46	-0.20	-1.24	0.0	1.91	0.58
		0.34	0.43	2.14e-03	0.0	120.0	-137.75	-0.20	-1.24	0.0	0.43	0.34
128	32	0.59	1.91	-1.31e-04	0.0	0.0	-135.30	-0.23	-1.24	0.0	1.91	0.59
		0.32	0.41	2.15e-03	0.0	120.0	-134.58	-0.23	-1.24	0.0	0.41	0.32
128	33	-0.31	-0.41	1.29e-04	0.0	0.0	110.31	0.23	1.25	0.0	-1.91	-0.59
		-0.59	-1.91	-2.16e-03	0.0	120.0	111.03	0.23	1.25	0.0	-0.41	-0.31
128	34	-0.33	-0.42	1.90e-04	0.0	0.0	113.48	0.20	1.24	0.0	-1.90	-0.57
		-0.57	-1.90	-2.15e-03	0.0	120.0	114.19	0.20	1.24	0.0	-0.42	-0.33
128	59	0.43	1.39	-1.52e-04	0.0	0.0	-104.14	-0.14	-0.90	0.0	1.39	0.43
		0.25	0.32	1.56e-03	0.0	120.0	-103.43	-0.14	-0.90	0.0	0.32	0.25
128	62	-0.24	-0.31	1.49e-04	0.0	0.0	79.15	0.15	0.90	0.0	-1.39	-0.42
		-0.42	-1.39	-1.57e-03	0.0	120.0	79.87	0.15	0.90	0.0	-0.31	-0.24
128	63	0.42	1.39	-1.50e-04	0.0	0.0	-104.40	-0.14	-0.90	0.0	1.39	0.42
		0.25	0.32	1.56e-03	0.0	120.0	-103.69	-0.14	-0.90	0.0	0.32	0.25
128	64	0.43	1.39	-9.46e-05	0.0	0.0	-101.64	-0.16	-0.91	0.0	1.39	0.43
		0.23	0.30	1.56e-03	0.0	120.0	-100.92	-0.16	-0.91	0.0	0.30	0.23
128	65	-0.22	-0.29	9.18e-05	0.0	0.0	76.65	0.17	0.91	0.0	-1.39	-0.43
		-0.43	-1.39	-1.57e-03	0.0	120.0	77.37	0.17	0.91	0.0	-0.29	-0.22
128	66	-0.24	-0.31	1.47e-04	0.0	0.0	79.42	0.15	0.90	0.0	-1.39	-0.41
		-0.41	-1.39	-1.57e-03	0.0	120.0	80.13	0.15	0.90	0.0	-0.31	-0.24
128	83	0.04	0.03	-9.18e-05	0.0	0.0	-15.84	0.03	0.01	0.0	0.02	6.73e-03
		6.73e-03	0.02	-6.67e-06	0.0	120.0	-15.13	0.03	0.01	0.0	0.03	0.04
128	84	-3.00e-03	-0.01	8.89e-05	0.0	0.0	-9.14	-0.03	-0.01	0.0	-0.01	-3.00e-03
		-0.03	-0.02	-2.92e-06	0.0	120.0	-8.43	-0.03	-0.01	0.0	-0.02	-0.03
128	85	0.04	0.03	-8.41e-05	0.0	0.0	-16.64	0.04	0.01	0.0	-1.85e-04	-0.02
		-0.02	-1.85e-04	-1.58e-05	0.0	120.0	-15.93	0.04	0.01	0.0	0.03	0.04
128	86	0.02	3.55e-03	8.13e-05	0.0	0.0	-8.35	-0.03	-0.01	0.0	3.55e-03	0.02
		-0.03	-0.02	6.16e-06	0.0	120.0	-7.63	-0.03	-0.01	0.0	-0.02	-0.03
128	95	0.70	2.29	-2.31e-04	0.0	0.0	-162.50	-0.24	-1.48	0.0	2.29	0.70
		0.41	0.51	2.56e-03	0.0	120.0	-161.78	-0.24	-1.48	0.0	0.51	0.41
128	98	-0.40	-0.51	2.28e-04	0.0	0.0	137.51	0.24	1.48	0.0	-2.28	-0.69
		-0.69	-2.28	-2.57e-03	0.0	120.0	138.23	0.24	1.48	0.0	-0.51	-0.40
128	99	0.69	2.28	-2.27e-04	0.0	0.0	-162.83	-0.24	-1.48	0.0	2.28	0.69
		0.41	0.51	2.56e-03	0.0	120.0	-162.12	-0.24	-1.48	0.0	0.51	0.41

128	100	0.71	2.28	-1.58e-04	0.0	0.0	-159.22	-0.27	-1.49	0.0	2.28	0.71
		0.38	0.49	2.57e-03	0.0	120.0	-158.51	-0.27	-1.49	0.0	0.49	0.38
128	101	-0.37	-0.49	1.55e-04	0.0	0.0	134.24	0.27	1.49	0.0	-2.28	-0.70
		-0.70	-2.28	-2.58e-03	0.0	120.0	134.95	0.27	1.49	0.0	-0.49	-0.37
128	102	-0.40	-0.51	2.24e-04	0.0	0.0	137.85	0.24	1.48	0.0	-2.27	-0.68
		-0.68	-2.27	-2.57e-03	0.0	120.0	138.56	0.24	1.48	0.0	-0.51	-0.40
129	1	-4.56e-03	0.11	-4.14e-06	0.0	0.0	-11.43	-0.01	-0.12	-1.08e-04	0.11	-4.56e-03
		-0.02	-0.03	3.08e-05	0.0	120.0	-10.48	-0.01	-0.12	-1.08e-04	-0.03	-0.02
129	4	0.08	0.11	1.97e-06	0.0	0.0	-6.94	0.02	-0.13	-1.23e-05	0.11	0.05
		0.05	-0.04	4.66e-05	0.0	120.0	-6.21	0.02	-0.13	-1.23e-05	-0.04	0.08
129	6	0.05	0.18	-2.96e-06	0.0	0.0	-9.90	0.01	-0.20	-1.10e-04	0.18	0.03
		0.03	-0.06	5.85e-05	0.0	120.0	-8.94	0.01	-0.20	-1.10e-04	-0.06	0.05
129	8	0.05	0.18	-3.12e-06	0.0	0.0	-7.15	0.02	-0.20	-1.09e-04	0.18	0.03
		0.03	-0.06	5.67e-05	0.0	120.0	-6.42	0.02	-0.20	-1.09e-04	-0.06	0.05
129	9	-3.57e-03	0.07	-2.69e-06	0.0	0.0	-8.84	-7.98e-03	-0.08	-7.22e-05	0.07	-3.57e-03
		-0.01	-0.02	2.14e-05	0.0	120.0	-8.11	-7.98e-03	-0.08	-7.22e-05	-0.02	-0.01
129	10	0.05	0.08	1.48e-06	0.0	0.0	-7.68	0.01	-0.08	-9.56e-06	0.08	0.03
		0.03	-0.02	3.31e-05	0.0	120.0	-6.95	0.01	-0.08	-9.56e-06	-0.02	0.05
129	12	0.03	0.12	-1.91e-06	0.0	0.0	-7.82	8.08e-03	-0.13	-7.38e-05	0.12	0.02
		0.02	-0.04	3.98e-05	0.0	120.0	-7.09	8.08e-03	-0.13	-7.38e-05	-0.04	0.03
129	13	-4.00e-03	5.44e-03	0.0	0.0	0.0	-9.16	-9.72e-03	-1.58e-03	-4.03e-06	5.44e-03	-4.00e-03
		-0.02	3.54e-03	5.99e-06	0.0	120.0	-8.43	-9.72e-03	-1.58e-03	-4.03e-06	3.54e-03	-0.02
129	14	0.01	7.88e-03	2.60e-06	0.0	0.0	-8.58	9.27e-04	-5.21e-03	2.73e-05	7.88e-03	0.01
		0.01	1.63e-03	1.19e-05	0.0	120.0	-7.85	9.27e-04	-5.21e-03	2.73e-05	1.63e-03	0.01
129	16	6.20e-03	0.03	0.0	0.0	0.0	-8.70	-2.75e-03	-0.03	-7.96e-06	0.03	6.20e-03
		2.90e-03	-5.07e-03	1.46e-05	0.0	120.0	-7.97	-2.75e-03	-0.03	-7.96e-06	-5.07e-03	2.90e-03
129	17	-4.00e-03	5.44e-03	0.0	0.0	0.0	-9.16	-9.72e-03	-1.58e-03	-4.03e-06	5.44e-03	-4.00e-03
		-0.02	3.54e-03	5.99e-06	0.0	120.0	-8.43	-9.72e-03	-1.58e-03	-4.03e-06	3.54e-03	-0.02
129	18	6.06e-03	6.91e-03	1.76e-06	0.0	0.0	-8.81	-3.33e-03	-3.76e-03	1.48e-05	6.91e-03	6.06e-03
		2.06e-03	2.39e-03	9.51e-06	0.0	120.0	-8.08	-3.33e-03	-3.76e-03	1.48e-05	2.39e-03	2.06e-03
129	24	6.34	0.06	4.74e-04	0.0	0.0	-5.59	-6.03	5.96e-03	2.87e-03	0.06	6.34
		-1.45	0.06	2.30e-04	0.0	120.0	-4.86	-6.03	5.96e-03	2.87e-03	0.06	-1.45
129	25	1.46	-0.04	-4.70e-04	0.0	0.0	-12.02	6.03	-0.01	-2.84e-03	-0.04	-6.33
		-6.33	-0.05	-2.11e-04	0.0	120.0	-11.29	6.03	-0.01	-2.84e-03	-0.05	1.46
129	28	5.46	0.06	-2.67e-04	0.0	0.0	-1.16	-3.56	8.39e-03	2.39e-03	0.06	5.46
		-1.69	0.06	2.23e-04	0.0	120.0	-0.43	-3.56	8.39e-03	2.39e-03	0.06	-1.69
129	29	1.69	-0.04	2.71e-04	0.0	0.0	-16.46	3.55	-0.02	-2.36e-03	-0.04	-5.45
		-5.45	-0.06	-2.04e-04	0.0	120.0	-15.72	3.55	-0.02	-2.36e-03	-0.06	1.69
129	36	1.72	0.13	1.71e-04	0.0	0.0	-5.92	-1.90	-0.13	4.20e-04	0.13	1.72
		-0.69	-0.04	1.44e-04	0.0	120.0	-5.19	-1.90	-0.13	4.20e-04	-0.04	-0.69
129	37	0.69	0.05	-1.68e-04	0.0	0.0	-11.70	1.90	0.12	-3.90e-04	-0.11	-1.70
		-1.70	-0.11	-1.25e-04	0.0	120.0	-10.97	1.90	0.12	-3.90e-04	0.05	0.69
129	56	4.62	0.04	3.41e-04	0.0	0.0	-6.29	-4.39	-1.79e-05	2.07e-03	0.04	4.62
		-1.11	0.04	1.73e-04	0.0	120.0	-5.56	-4.39	-1.79e-05	2.07e-03	0.04	-1.11
129	57	1.11	-0.03	-3.37e-04	0.0	0.0	-11.33	4.38	-7.50e-03	-2.04e-03	-0.03	-4.61
		-4.61	-0.03	-1.54e-04	0.0	120.0	-10.60	4.38	-7.50e-03	-2.04e-03	-0.03	1.11
129	60	3.97	0.04	-1.94e-04	0.0	0.0	-3.19	-2.60	1.70e-03	1.72e-03	0.04	3.97
		-1.26	0.04	1.68e-04	0.0	120.0	-2.46	-2.60	1.70e-03	1.72e-03	0.04	-1.26
129	61	1.26	-0.03	1.97e-04	0.0	0.0	-14.42	2.59	-9.22e-03	-1.69e-03	-0.03	-3.96
		-3.96	-0.04	-1.49e-04	0.0	120.0	-13.69	2.59	-9.22e-03	-1.69e-03	-0.04	1.26
129	68	1.22	0.10	1.28e-04	0.0	0.0	-6.57	-1.39	-0.11	2.34e-04	0.10	1.22
		-0.55	-0.04	1.21e-04	0.0	120.0	-5.84	-1.39	-0.11	2.34e-04	-0.04	-0.55
129	69	0.55	0.04	-1.25e-04	0.0	0.0	-11.05	1.39	0.10	-2.04e-04	-0.09	-1.21
		-1.21	-0.09	-1.02e-04	0.0	120.0	-10.32	1.39	0.10	-2.04e-04	0.04	0.55
129	83	0.17	0.05	-1.77e-05	0.0	0.0	-10.25	0.05	0.10	3.97e-04	-0.07	0.13
		0.13	-0.07	-5.22e-05	0.0	120.0	-9.52	0.05	0.10	3.97e-04	0.05	0.17
129	84	-0.12	0.08	2.12e-05	0.0	0.0	-7.36	-0.06	-0.11	-3.67e-04	0.08	-0.12
		-0.16	-0.05	7.13e-05	0.0	120.0	-6.63	-0.06	-0.11	-3.67e-04	-0.05	-0.16
129	85	-0.29	0.06	3.27e-05	0.0	0.0	-10.19	-0.13	0.09	2.86e-04	-0.05	-0.29
		-0.35	-0.05	-4.97e-05	0.0	120.0	-9.46	-0.13	0.09	2.86e-04	0.06	-0.35
129	86	0.35	0.07	-2.92e-05	0.0	0.0	-7.43	0.12	-0.09	-2.56e-04	0.07	0.30
		0.30	-0.06	6.87e-05	0.0	120.0	-6.70	0.12	-0.09	-2.56e-04	-0.06	0.35
129	92	7.59	0.07	5.69e-04	0.0	0.0	-5.04	-7.23	9.53e-03	3.44e-03	0.07	7.59
		-1.72	0.07	2.72e-04	0.0	120.0	-4.31	-7.23	9.53e-03	3.44e-03	0.07	-1.72
129	93	1.72	-0.05	-5.65e-04	0.0	0.0	-12.58	7.22	-0.02	-3.41e-03	-0.05	-7.58
		-7.58	-0.07	-2.53e-04	0.0	120.0	-11.85	7.22	-0.02	-3.41e-03	-0.07	1.72
129	96	6.52	0.07	-3.20e-04	0.0	0.0	0.30	-4.24	0.01	2.86e-03	0.06	6.52
		-2.00	0.06	2.62e-04	0.0	120.0	1.03	-4.24	0.01	2.86e-03	0.07	-2.00
129	97	2.00	-0.05	3.23e-04	0.0	0.0	-17.91	4.24	-0.02	-2.84e-03	-0.05	-6.51
		-6.51	-0.07	-2.43e-04	0.0	120.0	-17.18	4.24	-0.02	-2.84e-03	-0.07	2.00
129	104	2.07	0.14	2.04e-04	0.0	0.0	-5.43	-2.27	-0.15	5.30e-04	0.14	2.07
		-0.80	-0.05	1.66e-04	0.0	120.0	-4.70	-2.27	-0.15	5.30e-04	-0.05	-0.80
129	105	0.80	0.05	-2.00e-04	0.0	0.0	-12.19	2.27	0.14	-5.01e-04	-0.13	-2.05
		-2.05	-0.13	-1.47e-04	0.0	120.0	-11.46	2.27	0.14	-5.01e-04	0.05	0.80
130	2	0.12	8.30e-03	4.62e-06	0.0	0.0	-13.82	0.05	-4.36e-03	4.33e-04	8.30e-03	0.07

130	3	0.07	3.06e-03	3.03e-05	0.0	120.0	-12.87	0.05	-4.36e-03	4.33e-04	3.06e-03	0.12
		0.05	8.69e-03	-1.66e-06	0.0	0.0	-10.20	0.02	-9.20e-03	2.42e-04	8.69e-03	0.02
		0.02	-2.35e-03	3.64e-05	0.0	120.0	-9.47	0.02	-9.20e-03	2.42e-04	-2.35e-03	0.05
130	5	0.06	0.01	-3.82e-06	0.0	0.0	-13.45	0.03	-0.02	3.85e-04	0.01	0.03
		0.03	-5.92e-03	6.02e-05	0.0	120.0	-12.50	0.03	-0.02	3.85e-04	-5.92e-03	0.06
130	6	0.11	0.01	-1.27e-06	0.0	0.0	-13.95	0.04	-0.01	5.08e-04	0.01	0.06
		0.06	-3.27e-03	5.57e-05	0.0	120.0	-13.00	0.04	-0.01	5.08e-04	-3.27e-03	0.11
130	7	0.05	0.01	-4.73e-06	0.0	0.0	-10.55	0.02	-0.02	3.70e-04	0.01	0.02
		0.02	-7.55e-03	5.98e-05	0.0	120.0	-9.82	0.02	-0.02	3.70e-04	-7.55e-03	0.05
130	9	0.04	7.03e-03	0.0	0.0	0.0	-10.03	0.02	-5.65e-03	1.78e-04	7.03e-03	0.02
		0.02	2.47e-04	2.47e-05	0.0	120.0	-9.29	0.02	-5.65e-03	1.78e-04	2.47e-04	0.04
130	10	0.09	6.02e-03	3.49e-06	0.0	0.0	-10.50	0.03	-2.71e-03	2.95e-04	6.02e-03	0.05
		0.05	2.77e-03	2.04e-05	0.0	120.0	-9.77	0.03	-2.71e-03	2.95e-04	2.77e-03	0.09
130	11	0.05	9.24e-03	-2.14e-06	0.0	0.0	-10.26	0.02	-0.01	2.63e-04	9.24e-03	0.02
		0.02	-3.22e-03	4.03e-05	0.0	120.0	-9.53	0.02	-0.01	2.63e-04	-3.22e-03	0.05
130	12	0.08	8.54e-03	0.0	0.0	0.0	-10.59	0.03	-8.33e-03	3.45e-04	8.54e-03	0.04
		0.04	-1.46e-03	3.73e-05	0.0	120.0	-9.86	0.03	-8.33e-03	3.45e-04	-1.46e-03	0.08
130	13	0.04	5.45e-03	3.04e-06	0.0	0.0	-9.68	0.02	1.46e-03	4.98e-05	3.70e-03	0.02
		0.02	3.70e-03	1.30e-06	0.0	120.0	-8.95	0.02	1.46e-03	4.98e-05	5.45e-03	0.04
130	14	0.06	6.71e-03	4.82e-06	0.0	0.0	-9.92	0.03	2.92e-03	1.08e-04	3.20e-03	0.03
		0.03	3.20e-03	0.0	0.0	120.0	-9.18	0.03	2.92e-03	1.08e-04	6.71e-03	0.06
130	16	0.06	4.51e-03	3.07e-06	0.0	0.0	-9.94	0.02	-3.10e-05	1.28e-04	4.51e-03	0.03
		0.03	4.47e-03	7.80e-06	0.0	120.0	-9.20	0.02	-3.10e-05	1.28e-04	4.47e-03	0.06
130	17	0.04	5.45e-03	3.04e-06	0.0	0.0	-9.68	0.02	1.46e-03	4.98e-05	3.70e-03	0.02
		0.02	3.70e-03	1.30e-06	0.0	120.0	-8.95	0.02	1.46e-03	4.98e-05	5.45e-03	0.04
130	18	0.06	6.20e-03	4.11e-06	0.0	0.0	-9.82	0.02	2.34e-03	8.50e-05	3.40e-03	0.03
		0.03	3.40e-03	0.0	0.0	120.0	-9.09	0.02	2.34e-03	8.50e-05	6.20e-03	0.06
130	24	6.35	-0.03	4.74e-04	0.0	0.0	-12.16	-5.99	-0.05	3.24e-03	-0.03	6.35
		-1.39	-0.08	-1.71e-04	0.0	120.0	-11.43	-5.99	-0.05	3.24e-03	-0.08	-1.39
130	25	1.50	0.10	-4.66e-04	0.0	0.0	-7.48	6.03	0.05	-3.07e-03	0.10	-6.30
		-6.30	0.03	1.71e-04	0.0	120.0	-6.75	6.03	0.05	-3.07e-03	0.03	1.50
130	28	5.47	-0.02	-2.66e-04	0.0	0.0	-16.63	-3.52	-0.05	2.75e-03	-0.02	5.47
		-1.64	-0.09	-1.62e-04	0.0	120.0	-15.90	-3.52	-0.05	2.75e-03	-0.09	-1.64
130	29	1.75	0.10	2.75e-04	0.0	0.0	-3.01	3.56	0.06	-2.58e-03	0.10	-5.42
		-5.42	0.03	1.62e-04	0.0	120.0	-2.28	3.56	0.06	-2.58e-03	0.03	1.75
130	31	5.41	-0.01	-2.63e-04	0.0	0.0	-17.25	-3.54	-0.04	2.41e-03	-0.01	5.41
		-1.71	-0.06	-2.17e-04	0.0	120.0	-16.51	-3.54	-0.04	2.41e-03	-0.06	-1.71
130	34	1.82	0.07	2.71e-04	0.0	0.0	-2.39	3.59	0.05	-2.24e-03	0.07	-5.35
		-5.35	0.02	2.17e-04	0.0	120.0	-1.66	3.59	0.05	-2.24e-03	0.02	1.82
130	56	4.64	-0.02	3.42e-04	0.0	0.0	-11.62	-4.34	-0.03	2.40e-03	-0.02	4.64
		-1.05	-0.06	-1.19e-04	0.0	120.0	-10.89	-4.34	-0.03	2.40e-03	-0.06	-1.05
130	57	1.16	0.07	-3.34e-04	0.0	0.0	-8.02	4.39	0.04	-2.23e-03	0.07	-4.58
		-4.58	0.03	1.19e-04	0.0	120.0	-7.28	4.39	0.04	-2.23e-03	0.03	1.16
130	60	3.98	-0.02	-1.92e-04	0.0	0.0	-14.78	-2.56	-0.04	2.05e-03	-0.02	3.98
		-1.21	-0.06	-1.13e-04	0.0	120.0	-14.05	-2.56	-0.04	2.05e-03	-0.06	-1.21
130	61	1.32	0.08	2.00e-04	0.0	0.0	-4.86	2.61	0.04	-1.88e-03	0.08	-3.93
		-3.93	0.02	1.13e-04	0.0	120.0	-4.13	2.61	0.04	-1.88e-03	0.02	1.32
130	63	3.93	-6.97e-03	-1.89e-04	0.0	0.0	-15.28	-2.58	-0.03	1.75e-03	-6.97e-03	3.93
		-1.27	-0.04	-1.62e-04	0.0	120.0	-14.55	-2.58	-0.03	1.75e-03	-0.04	-1.27
130	66	1.39	0.05	1.97e-04	0.0	0.0	-4.36	2.63	0.03	-1.58e-03	0.05	-3.87
		-3.87	0.01	1.62e-04	0.0	120.0	-3.63	2.63	0.03	-1.58e-03	0.01	1.39
130	83	0.22	0.05	-1.54e-05	0.0	0.0	-10.48	0.08	0.02	-2.83e-04	0.05	0.15
		0.15	0.02	-7.43e-05	0.0	120.0	-9.75	0.08	0.02	-2.83e-04	0.02	0.22
130	84	-0.10	-0.02	2.36e-05	0.0	0.0	-9.16	-0.04	-0.02	4.53e-04	-0.02	-0.10
		-0.11	-0.04	7.43e-05	0.0	120.0	-8.42	-0.04	-0.02	4.53e-04	-0.04	-0.11
130	85	-0.27	0.04	3.50e-05	0.0	0.0	-10.65	-0.10	0.02	-4.38e-04	0.04	-0.27
		-0.30	0.02	-7.21e-05	0.0	120.0	-9.92	-0.10	0.02	-4.38e-04	0.02	-0.30
130	86	0.41	-8.73e-03	-2.68e-05	0.0	0.0	-8.99	0.14	-0.01	6.08e-04	-8.73e-03	0.33
		0.33	-0.02	7.21e-05	0.0	120.0	-8.25	0.14	-0.01	6.08e-04	-0.02	0.41
130	92	7.60	-0.03	5.69e-04	0.0	0.0	-12.58	-7.18	-0.06	3.86e-03	-0.03	7.60
		-1.65	-0.10	-2.07e-04	0.0	120.0	-11.85	-7.18	-0.06	3.86e-03	-0.10	-1.65
130	93	1.76	0.11	-5.61e-04	0.0	0.0	-7.06	7.22	0.06	-3.69e-03	0.11	-7.54
		-7.54	0.04	2.07e-04	0.0	120.0	-6.33	7.22	0.06	-3.69e-03	0.04	1.76
130	96	6.53	-0.03	-3.19e-04	0.0	0.0	-17.95	-4.20	-0.06	3.26e-03	-0.03	6.53
		-1.95	-0.10	-1.96e-04	0.0	120.0	-17.22	-4.20	-0.06	3.26e-03	-0.10	-1.95
130	97	2.07	0.12	3.27e-04	0.0	0.0	-1.69	4.25	0.07	-3.09e-03	0.12	-6.48
		-6.48	0.04	1.96e-04	0.0	120.0	-0.96	4.25	0.07	-3.09e-03	0.04	2.07
130	99	6.46	-0.01	-3.15e-04	0.0	0.0	-18.67	-4.23	-0.05	2.87e-03	-0.01	6.46
		-2.03	-0.07	-2.58e-04	0.0	120.0	-17.94	-4.23	-0.05	2.87e-03	-0.07	-2.03
130	102	2.14	0.09	3.23e-04	0.0	0.0	-0.97	4.27	0.05	-2.70e-03	0.09	-6.40
		-6.40	0.02	2.58e-04	0.0	120.0	-0.24	4.27	0.05	-2.70e-03	0.02	2.14
131	2	0.02	0.16	-6.14e-06	0.0	0.0	-35.22	6.90e-03	-0.35	-1.35e-05	0.16	0.01
		0.01	-0.26	8.30e-05	0.0	120.0	-34.27	6.90e-03	-0.35	-1.35e-05	-0.26	0.02
131	6	0.01	0.20	-8.63e-06	0.0	0.0	-30.53	7.09e-03	-0.51	-1.10e-04	0.20	6.16e-03
		6.16e-03	-0.42	1.17e-04	0.0	120.0	-29.58	7.09e-03	-0.51	-1.10e-04	-0.42	0.01

131	7	3.72e-03	0.16	-7.34e-06	0.0	0.0	-15.97	5.43e-03	-0.47	-1.75e-04	0.16	-2.80e-03
		-2.80e-03	-0.40	1.03e-04	0.0	120.0	-15.24	5.43e-03	-0.47	-1.75e-04	-0.40	3.72e-03
131	10	0.01	0.11	-4.04e-06	0.0	0.0	-25.85	5.23e-03	-0.23	-9.56e-06	0.11	8.05e-03
		8.05e-03	-0.17	5.58e-05	0.0	120.0	-25.12	5.23e-03	-0.23	-9.56e-06	-0.17	0.01
131	11	5.05e-03	0.11	-4.75e-06	0.0	0.0	-16.58	5.19e-03	-0.32	-1.18e-04	0.11	-1.19e-03
		-1.19e-03	-0.27	7.02e-05	0.0	120.0	-15.85	5.19e-03	-0.32	-1.18e-04	-0.27	5.05e-03
131	12	0.01	0.14	-5.70e-06	0.0	0.0	-22.73	5.35e-03	-0.34	-7.38e-05	0.14	4.38e-03
		4.38e-03	-0.28	7.87e-05	0.0	120.0	-22.00	5.35e-03	-0.34	-7.38e-05	-0.28	0.01
131	14	0.01	0.03	0.0	0.0	0.0	-22.19	4.83e-03	-0.03	2.73e-05	0.03	6.02e-03
		6.02e-03	-7.35e-03	9.90e-06	0.0	120.0	-21.46	4.83e-03	-0.03	2.73e-05	-7.35e-03	0.01
131	15	7.17e-03	0.03	0.0	0.0	0.0	-17.56	4.81e-03	-0.07	-2.68e-05	0.03	1.40e-03
		1.40e-03	-0.05	1.71e-05	0.0	120.0	-16.83	4.81e-03	-0.07	-2.68e-05	-0.05	7.17e-03
131	16	9.64e-03	0.04	-1.03e-06	0.0	0.0	-20.19	4.88e-03	-0.08	-7.96e-06	0.04	3.78e-03
		3.78e-03	-0.06	2.07e-05	0.0	120.0	-19.46	4.88e-03	-0.08	-7.96e-06	-0.06	9.64e-03
131	17	7.71e-03	0.01	0.0	0.0	0.0	-17.80	4.72e-03	-0.01	-4.03e-06	0.01	2.04e-03
		2.04e-03	-1.05e-03	3.78e-06	0.0	120.0	-17.07	4.72e-03	-0.01	-4.03e-06	-1.05e-03	7.71e-03
131	18	0.01	0.02	0.0	0.0	0.0	-20.44	4.79e-03	-0.02	1.48e-05	0.02	4.43e-03
		4.43e-03	-4.83e-03	7.45e-06	0.0	120.0	-19.71	4.79e-03	-0.02	1.48e-05	-4.83e-03	0.01
131	24	11.25	0.15	-1.45e-03	0.0	0.0	15.25	-0.30	-0.09	2.87e-03	0.15	10.95
		10.95	2.76e-03	2.19e-04	0.0	120.0	15.98	-0.30	-0.09	2.87e-03	2.76e-03	11.25
131	25	-10.94	-0.01	1.45e-03	0.0	0.0	-56.13	0.31	0.05	-2.84e-03	-0.01	-10.94
		-11.23	-0.10	-2.04e-04	0.0	120.0	-55.39	0.31	0.05	-2.84e-03	-0.10	-11.23
131	28	7.93	0.15	-1.79e-03	0.0	0.0	22.73	-0.43	-0.11	2.39e-03	0.15	7.58
		7.58	-8.10e-03	2.05e-04	0.0	120.0	23.46	-0.43	-0.11	2.39e-03	-8.10e-03	7.93
131	29	-7.57	-1.56e-03	1.79e-03	0.0	0.0	-63.61	0.43	0.06	-2.36e-03	-0.06	-7.57
		-7.91	-0.10	-1.90e-04	0.0	120.0	-62.88	0.43	0.06	-2.36e-03	-1.56e-03	-7.91
131	39	2.48	0.35	-5.44e-04	0.0	0.0	-11.64	-0.02	0.34	1.25e-03	-0.05	2.40
		2.40	-0.05	-7.24e-05	0.0	120.0	-10.91	-0.02	0.34	1.25e-03	0.35	2.48
131	42	-2.39	0.09	5.44e-04	0.0	0.0	-29.23	0.03	-0.38	-1.22e-03	0.09	-2.39
		-2.46	-0.36	8.73e-05	0.0	120.0	-28.50	0.03	-0.38	-1.22e-03	-0.36	-2.46
131	56	8.18	0.11	-1.05e-03	0.0	0.0	5.56	-0.23	-0.08	2.07e-03	0.11	7.95
		7.95	-6.46e-03	1.70e-04	0.0	120.0	6.29	-0.23	-0.08	2.07e-03	-6.46e-03	8.18
131	57	-7.94	-3.20e-03	1.05e-03	0.0	0.0	-46.43	0.24	0.03	-2.04e-03	-0.07	-7.94
		-8.16	-0.07	-1.55e-04	0.0	120.0	-45.70	0.24	0.03	-2.04e-03	-3.20e-03	-8.16
131	60	5.78	0.12	-1.30e-03	0.0	0.0	11.07	-0.33	-0.09	1.72e-03	0.12	5.52
		5.52	-0.01	1.60e-04	0.0	120.0	11.81	-0.33	-0.09	1.72e-03	-0.01	5.78
131	61	-5.51	4.66e-03	1.30e-03	0.0	0.0	-51.95	0.34	0.04	-1.69e-03	-0.07	-5.51
		-5.76	-0.07	-1.45e-04	0.0	120.0	-51.22	0.34	0.04	-1.69e-03	4.66e-03	-5.76
131	71	1.82	0.28	-3.99e-04	0.0	0.0	-14.32	1.39e-03	0.26	9.90e-04	-0.03	1.76
		1.76	-0.03	-6.96e-05	0.0	120.0	-13.59	1.39e-03	0.26	9.90e-04	0.28	1.82
131	74	-1.75	0.08	3.99e-04	0.0	0.0	-26.55	8.19e-03	-0.31	-9.61e-04	0.08	-1.75
		-1.80	-0.29	8.45e-05	0.0	120.0	-25.82	8.19e-03	-0.31	-9.61e-04	-0.29	-1.80
131	83	0.09	0.23	-7.10e-06	0.0	0.0	-23.18	0.08	0.23	3.97e-04	-0.04	0.09
		0.08	-0.04	-9.38e-05	0.0	120.0	-22.45	0.08	0.23	3.97e-04	0.23	0.08
131	84	-0.06	0.09	7.12e-06	0.0	0.0	-17.70	-0.07	-0.28	-3.67e-04	0.09	-0.06
		-0.08	-0.24	1.09e-04	0.0	120.0	-16.96	-0.07	-0.28	-3.67e-04	-0.24	-0.08
131	86	0.20	0.08	-1.90e-05	0.0	0.0	-18.07	0.19	-0.24	-2.56e-04	0.08	-0.18
		-0.18	-0.21	1.07e-04	0.0	120.0	-17.34	0.19	-0.24	-2.56e-04	-0.21	0.20
131	92	13.47	0.17	-1.74e-03	0.0	0.0	22.29	-0.35	-0.10	3.44e-03	0.17	13.12
		13.12	7.93e-03	2.57e-04	0.0	120.0	23.02	-0.35	-0.10	3.44e-03	7.93e-03	13.47
131	93	-13.11	-0.02	1.74e-03	0.0	0.0	-63.16	0.36	0.06	-3.41e-03	-0.02	-13.11
		-13.45	-0.12	-2.42e-04	0.0	120.0	-62.43	0.36	0.06	-3.41e-03	-0.12	-13.45
131	96	9.47	0.17	-2.14e-03	0.0	0.0	31.07	-0.50	-0.12	2.86e-03	0.17	9.05
		9.05	-5.15e-03	2.40e-04	0.0	120.0	31.80	-0.50	-0.12	2.86e-03	-5.15e-03	9.47
131	97	-9.04	-4.51e-03	2.14e-03	0.0	0.0	-71.95	0.51	0.07	-2.84e-03	-0.13	-9.04
		-9.45	-0.13	-2.25e-04	0.0	120.0	-71.22	0.51	0.07	-2.84e-03	-4.51e-03	-9.45
131	107	2.96	0.41	-6.49e-04	0.0	0.0	-9.82	-0.02	0.39	1.47e-03	-0.06	2.86
		2.86	-0.06	-8.02e-05	0.0	120.0	-9.09	-0.02	0.39	1.47e-03	0.41	2.96
131	110	-2.85	0.10	6.49e-04	0.0	0.0	-31.06	0.03	-0.44	-1.44e-03	0.10	-2.85
		-2.94	-0.42	9.52e-05	0.0	120.0	-30.33	0.03	-0.44	-1.44e-03	-0.42	-2.94
132	2	-0.02	-0.08	-4.90e-06	0.0	0.0	-28.73	-0.03	-0.02	1.38e-04	-0.08	-0.02
		-0.07	-0.11	-5.67e-05	0.0	120.0	-27.80	-0.03	-0.02	1.38e-04	-0.11	-0.07
132	7	4.82e-03	-9.66e-03	5.70e-06	0.0	0.0	-14.20	-8.95e-03	1.69e-03	8.93e-05	-0.01	4.82e-03
		-5.92e-03	-0.01	-9.29e-05	0.0	120.0	-13.49	-8.95e-03	1.69e-03	8.93e-05	-9.66e-03	-5.92e-03
132	10	-0.02	-0.05	-3.43e-06	0.0	0.0	-21.85	-0.02	-0.02	9.39e-05	-0.05	-0.02
		-0.05	-0.07	-3.77e-05	0.0	120.0	-21.13	-0.02	-0.02	9.39e-05	-0.07	-0.05
132	11	3.12e-03	-0.01	3.38e-06	0.0	0.0	-16.21	-0.01	1.57e-03	6.47e-05	-0.01	3.12e-03
		-9.27e-03	-0.01	-6.18e-05	0.0	120.0	-15.49	-0.01	1.57e-03	6.47e-05	-0.01	-9.27e-03
132	14	-9.39e-03	-0.04	-3.74e-06	0.0	0.0	-22.24	-0.02	-7.18e-03	3.99e-05	-0.04	-9.39e-03
		-0.03	-0.05	1.43e-06	0.0	120.0	-21.52	-0.02	-7.18e-03	3.99e-05	-0.05	-0.03
132	15	3.95e-04	-0.02	0.0	0.0	0.0	-19.42	-0.01	1.37e-03	2.53e-05	-0.02	3.95e-04
		-0.01	-0.02	-1.20e-05	0.0	120.0	-18.70	-0.01	1.37e-03	2.53e-05	-0.02	-0.01
132	17	-2.85e-04	-0.02	-1.26e-06	0.0	0.0	-20.22	-0.01	1.32e-03	1.55e-05	-0.02	-2.85e-04
		-0.02	-0.02	0.0	0.0	120.0	-19.51	-0.01	1.32e-03	1.55e-05	-0.02	-0.02
132	18	-5.75e-03	-0.03	-2.75e-06	0.0	0.0	-21.43	-0.02	-3.78e-03	3.01e-05	-0.03	-5.75e-03

132	28	-0.03	-0.04	1.22e-06	0.0	120.0	-20.72	-0.02	-3.78e-03	3.01e-05	-0.04	-0.03
		0.62	0.08	1.79e-03	0.0	0.0	188.46	-0.92	-0.08	1.08e-03	0.08	0.62
		-0.49	-0.03	-1.03e-04	0.0	120.0	189.18	-0.92	-0.08	1.08e-03	-0.03	-0.49
132	29	0.44	-0.05	-1.80e-03	0.0	0.0	-231.32	0.88	0.08	-1.02e-03	-0.14	-0.63
		-0.63	-0.14	1.03e-04	0.0	120.0	-230.61	0.88	0.08	-1.02e-03	-0.05	0.44
132	32	0.62	0.08	1.80e-03	0.0	0.0	188.14	-0.91	-0.08	1.10e-03	0.08	0.62
		-0.49	-0.02	-1.03e-04	0.0	120.0	188.86	-0.91	-0.08	1.10e-03	-0.02	-0.49
132	33	0.44	-0.05	-1.80e-03	0.0	0.0	-231.00	0.88	0.07	-1.04e-03	-0.14	-0.63
		-0.63	-0.14	1.04e-04	0.0	120.0	-230.29	0.88	0.07	-1.04e-03	-0.05	0.44
132	60	0.45	0.05	1.30e-03	0.0	0.0	131.86	-0.67	-0.06	7.90e-04	0.05	0.45
		-0.36	-0.03	-8.07e-05	0.0	120.0	132.57	-0.67	-0.06	7.90e-04	-0.03	-0.36
132	61	0.31	-0.05	-1.31e-03	0.0	0.0	-174.71	0.64	0.05	-7.30e-04	-0.11	-0.46
		-0.46	-0.11	8.10e-05	0.0	120.0	-174.00	0.64	0.05	-7.30e-04	-0.05	0.31
132	64	0.45	0.05	1.31e-03	0.0	0.0	131.55	-0.67	-0.06	8.12e-04	0.05	0.45
		-0.36	-0.03	-8.12e-05	0.0	120.0	132.26	-0.67	-0.06	8.12e-04	-0.03	-0.36
132	65	0.31	-0.05	-1.31e-03	0.0	0.0	-174.41	0.63	0.05	-7.51e-04	-0.11	-0.46
		-0.46	-0.11	8.15e-05	0.0	120.0	-173.69	0.63	0.05	-7.51e-04	-0.05	0.31
132	83	-0.02	-0.06	-5.83e-06	0.0	0.0	-30.44	-0.03	-2.22e-03	5.70e-05	-0.06	-0.02
		-0.04	-0.06	1.07e-04	0.0	120.0	-29.72	-0.03	-2.22e-03	5.70e-05	-0.06	-0.04
132	84	7.45e-03	-5.49e-03	0.0	0.0	0.0	-12.42	9.48e-04	-5.34e-03	3.27e-06	-5.49e-03	7.45e-03
		-0.02	-9.56e-03	-1.07e-04	0.0	120.0	-11.71	9.48e-04	-5.34e-03	3.27e-06	-9.56e-03	-0.02
132	85	-0.02	-0.06	-1.29e-05	0.0	0.0	-29.52	-0.04	-8.65e-03	-5.93e-06	-0.06	-0.02
		-0.04	-0.07	1.08e-04	0.0	120.0	-28.80	-0.04	-8.65e-03	-5.93e-06	-0.07	-0.04
132	86	8.27e-03	-3.84e-03	7.41e-06	0.0	0.0	-13.34	4.69e-03	1.09e-03	6.62e-05	-3.84e-03	8.27e-03
		-0.01	-7.24e-03	-1.08e-04	0.0	120.0	-12.63	4.69e-03	1.09e-03	6.62e-05	-7.24e-03	-0.01
132	96	0.74	0.10	2.14e-03	0.0	0.0	229.00	-1.09	-0.10	1.28e-03	0.10	0.74
		-0.58	-0.02	-1.20e-04	0.0	120.0	229.72	-1.09	-0.10	1.28e-03	-0.02	-0.58
132	97	0.53	-0.05	-2.15e-03	0.0	0.0	-271.86	1.06	0.09	-1.22e-03	-0.16	-0.75
		-0.75	-0.16	1.21e-04	0.0	120.0	-271.15	1.06	0.09	-1.22e-03	-0.05	0.53
132	100	0.74	0.10	2.14e-03	0.0	0.0	228.65	-1.09	-0.10	1.31e-03	0.10	0.74
		-0.58	-0.02	-1.21e-04	0.0	120.0	229.37	-1.09	-0.10	1.31e-03	-0.02	-0.58
132	101	0.53	-0.05	-2.15e-03	0.0	0.0	-271.51	1.05	0.09	-1.25e-03	-0.16	-0.75
		-0.75	-0.16	1.22e-04	0.0	120.0	-270.80	1.05	0.09	-1.25e-03	-0.05	0.53
133	3	0.0	0.0	0.0	0.0	0.0	-2.01	0.02	0.03	0.0	-0.04	-0.02
		-0.02	-0.04	-3.06e-05	0.0	120.0	-1.29	0.02	0.03	0.0	0.0	0.0
133	5	0.0	0.0	0.0	0.0	0.0	-2.71	0.03	0.05	0.0	-0.06	-0.03
		-0.03	-0.06	-4.80e-05	0.0	120.0	-1.78	0.03	0.05	0.0	0.0	0.0
133	6	0.0	0.0	-5.67e-06	0.0	0.0	-2.86	0.03	0.05	0.0	-0.06	-0.03
		-0.03	-0.06	-5.98e-05	0.0	120.0	-1.93	0.03	0.05	0.0	0.0	0.0
133	9	0.0	0.0	0.0	0.0	0.0	-1.92	0.01	0.02	0.0	-0.03	-0.02
		-0.02	-0.03	-2.32e-05	0.0	120.0	-1.20	0.01	0.02	0.0	0.0	0.0
133	11	0.0	0.0	0.0	0.0	0.0	-2.04	0.02	0.03	0.0	-0.04	-0.02
		-0.02	-0.04	-3.31e-05	0.0	120.0	-1.32	0.02	0.03	0.0	0.0	0.0
133	12	0.0	0.0	-4.01e-06	0.0	0.0	-2.14	0.02	0.03	0.0	-0.04	-0.02
		-0.02	-0.04	-4.09e-05	0.0	120.0	-1.42	0.02	0.03	0.0	0.0	0.0
133	13	0.0	0.0	-1.75e-06	0.0	0.0	-1.74	5.05e-03	8.16e-03	0.0	-9.79e-03	-6.06e-03
		-6.06e-03	-9.79e-03	-8.21e-06	0.0	120.0	-1.03	5.05e-03	8.16e-03	0.0	0.0	0.0
133	15	0.0	0.0	-1.41e-06	0.0	0.0	-1.80	7.69e-03	0.01	0.0	-0.02	-9.23e-03
		-9.23e-03	-0.02	-1.32e-05	0.0	120.0	-1.09	7.69e-03	0.01	0.0	0.0	0.0
133	16	0.0	0.0	-3.12e-06	0.0	0.0	-1.85	7.51e-03	0.01	0.0	-0.02	-9.01e-03
		-9.01e-03	-0.02	-1.65e-05	0.0	120.0	-1.13	7.51e-03	0.01	0.0	0.0	0.0
133	17	0.0	0.0	-1.75e-06	0.0	0.0	-1.74	5.05e-03	8.16e-03	0.0	-9.79e-03	-6.06e-03
		-6.06e-03	-9.79e-03	-8.21e-06	0.0	120.0	-1.03	5.05e-03	8.16e-03	0.0	0.0	0.0
133	18	0.0	0.0	-3.46e-06	0.0	0.0	-1.79	4.86e-03	8.09e-03	0.0	-9.70e-03	-5.83e-03
		-5.83e-03	-9.70e-03	-1.16e-05	0.0	120.0	-1.07	4.86e-03	8.09e-03	0.0	0.0	0.0
133	24	0.08	0.04	2.25e-03	0.0	0.0	11.41	-0.07	-0.03	0.0	0.04	0.08
		0.0	0.0	-2.29e-04	0.0	120.0	12.12	-0.07	-0.03	0.0	0.0	0.0
133	25	0.0	0.0	-2.26e-03	0.0	0.0	-14.98	0.08	0.05	0.0	-0.06	-0.10
		-0.10	-0.06	2.06e-04	0.0	120.0	-14.27	0.08	0.05	0.0	0.0	0.0
133	31	0.04	0.0	2.37e-03	0.0	0.0	12.24	-0.03	3.71e-03	0.0	-4.46e-03	0.04
		0.0	-4.46e-03	-1.85e-04	0.0	120.0	12.96	-0.03	3.71e-03	0.0	0.0	0.0
133	34	0.0	0.0	-2.37e-03	0.0	0.0	-15.82	0.04	0.01	0.0	-0.01	-0.05
		-0.05	-0.01	1.62e-04	0.0	120.0	-15.10	0.04	0.01	0.0	0.0	0.0
133	44	0.06	0.07	6.90e-04	0.0	0.0	1.22	-0.05	-0.06	0.0	0.07	0.06
		0.0	0.0	-1.28e-04	0.0	120.0	1.93	-0.05	-0.06	0.0	0.0	0.0
133	45	0.0	0.0	-6.97e-04	0.0	0.0	-4.79	0.06	0.08	0.0	-0.09	-0.07
		-0.07	-0.09	1.05e-04	0.0	120.0	-4.08	0.06	0.08	0.0	0.0	0.0
133	56	0.06	0.03	1.63e-03	0.0	0.0	7.75	-0.05	-0.03	0.0	0.03	0.06
		0.0	0.0	-1.72e-04	0.0	120.0	8.46	-0.05	-0.03	0.0	0.0	0.0
133	57	0.0	0.0	-1.64e-03	0.0	0.0	-11.32	0.06	0.04	0.0	-0.05	-0.07
		-0.07	-0.05	1.49e-04	0.0	120.0	-10.61	0.06	0.04	0.0	0.0	0.0
133	63	0.02	0.0	1.72e-03	0.0	0.0	8.47	-0.02	7.64e-03	0.0	-9.17e-03	0.02
		0.0	-9.17e-03	-1.35e-04	0.0	120.0	9.18	-0.02	7.64e-03	0.0	0.0	0.0
133	66	0.0	0.0	-1.73e-03	0.0	0.0	-12.04	0.03	8.53e-03	0.0	-0.01	-0.04
		-0.04	-0.01	1.12e-04	0.0	120.0	-11.32	0.03	8.53e-03	0.0	0.0	0.0

133	76	0.05	0.06	5.00e-04	0.0	0.0	0.26	-0.04	-0.05	0.0	0.06	0.05
		0.0	0.0	-1.06e-04	0.0	120.0	0.98	-0.04	-0.05	0.0	0.0	0.0
133	77	0.0	0.0	-5.07e-04	0.0	0.0	-3.84	0.05	0.07	0.0	-0.08	-0.06
		-0.06	-0.08	8.28e-05	0.0	120.0	-3.12	0.05	0.07	0.0	0.0	0.0
133	85	0.0	0.0	-1.55e-05	0.0	0.0	-0.99	0.03	0.06	0.0	-0.07	-0.04
		-0.04	-0.07	3.42e-05	0.0	120.0	-0.27	0.03	0.06	0.0	0.0	0.0
133	86	0.03	0.05	8.60e-06	0.0	0.0	-2.59	-0.02	-0.04	0.0	0.05	0.03
		0.0	0.0	-5.73e-05	0.0	120.0	-1.87	-0.02	-0.04	0.0	0.0	0.0
133	92	0.10	0.05	2.70e-03	0.0	0.0	14.04	-0.08	-0.04	0.0	0.05	0.10
		0.0	0.0	-2.71e-04	0.0	120.0	14.76	-0.08	-0.04	0.0	0.0	0.0
133	93	0.0	0.0	-2.71e-03	0.0	0.0	-17.62	0.09	0.06	0.0	-0.07	-0.11
		-0.11	-0.07	2.48e-04	0.0	120.0	-16.90	0.09	0.06	0.0	0.0	0.0
133	99	0.05	0.0	2.83e-03	0.0	0.0	14.95	-0.04	1.82e-03	0.0	-2.19e-03	0.05
		0.0	-2.19e-03	-2.20e-04	0.0	120.0	15.67	-0.04	1.82e-03	0.0	0.0	0.0
133	102	0.0	0.0	-2.83e-03	0.0	0.0	-18.53	0.05	0.01	0.0	-0.02	-0.06
		-0.06	-0.02	1.96e-04	0.0	120.0	-17.81	0.05	0.01	0.0	0.0	0.0
133	112	0.07	0.08	8.28e-04	0.0	0.0	1.87	-0.06	-0.07	0.0	0.08	0.07
		0.0	0.0	-1.48e-04	0.0	120.0	2.58	-0.06	-0.07	0.0	0.0	0.0
133	113	0.0	0.0	-8.35e-04	0.0	0.0	-5.44	0.07	0.09	0.0	-0.10	-0.08
		-0.08	-0.10	1.25e-04	0.0	120.0	-4.73	0.07	0.09	0.0	0.0	0.0
134	3	1.31e-05	0.01	-4.29e-06	0.0	0.0	-16.51	-2.84e-03	0.03	2.42e-04	-0.03	1.31e-05
		-3.40e-03	-0.03	3.26e-05	0.0	120.0	-15.78	-2.84e-03	0.03	2.42e-04	0.01	-3.40e-03
134	4	0.01	8.05e-03	-6.30e-06	0.0	0.0	-16.57	1.33e-03	0.03	4.18e-04	-0.02	0.01
		0.01	-0.02	2.65e-05	0.0	120.0	-15.84	1.33e-03	0.03	4.18e-04	8.05e-03	0.01
134	5	-1.09e-03	0.02	-7.28e-06	0.0	0.0	-21.98	-3.20e-03	0.05	3.85e-04	-0.05	-1.09e-03
		-4.92e-03	-0.05	5.47e-05	0.0	120.0	-21.03	-3.20e-03	0.05	3.85e-04	0.02	-4.92e-03
134	6	6.93e-03	0.01	-8.69e-06	0.0	0.0	-22.03	-2.74e-04	0.05	5.08e-04	-0.04	6.93e-03
		6.61e-03	-0.04	5.05e-05	0.0	120.0	-21.08	-2.74e-04	0.05	5.08e-04	0.01	6.61e-03
134	7	-2.00e-03	0.02	-7.39e-06	0.0	0.0	-17.46	-1.93e-03	0.05	3.70e-04	-0.05	-2.00e-03
		-4.32e-03	-0.05	5.50e-05	0.0	120.0	-16.73	-1.93e-03	0.05	3.70e-04	0.02	-4.32e-03
134	9	1.02e-03	7.73e-03	-2.74e-06	0.0	0.0	-16.03	-3.30e-03	0.02	1.78e-04	-0.02	1.02e-03
		-2.94e-03	-0.02	2.14e-05	0.0	120.0	-15.30	-3.30e-03	0.02	1.78e-04	7.73e-03	-2.94e-03
134	10	8.66e-03	6.18e-03	-4.08e-06	0.0	0.0	-16.07	-5.14e-04	0.02	2.95e-04	-0.01	8.66e-03
		8.04e-03	-0.01	1.74e-05	0.0	120.0	-15.34	-5.14e-04	0.02	2.95e-04	6.18e-03	8.04e-03
134	11	-3.22e-04	0.01	-4.81e-06	0.0	0.0	-16.67	-2.69e-03	0.04	2.63e-04	-0.03	-3.22e-04
		-3.55e-03	-0.03	3.63e-05	0.0	120.0	-15.94	-2.69e-03	0.04	2.63e-04	0.01	-3.55e-03
134	12	5.03e-03	0.01	-5.74e-06	0.0	0.0	-16.70	-7.43e-04	0.03	3.45e-04	-0.03	5.03e-03
		4.14e-03	-0.03	3.35e-05	0.0	120.0	-15.96	-7.43e-04	0.03	3.45e-04	0.01	4.14e-03
134	13	3.03e-03	3.06e-03	0.0	0.0	0.0	-15.08	-4.20e-03	-5.20e-04	4.98e-05	3.06e-03	3.03e-03
		-2.02e-03	2.43e-03	-1.01e-06	0.0	120.0	-14.35	-4.20e-03	-5.20e-04	4.98e-05	2.43e-03	-2.02e-03
134	14	6.85e-03	4.23e-03	0.0	0.0	0.0	-15.10	-2.81e-03	-2.14e-03	1.08e-04	4.23e-03	6.85e-03
		3.47e-03	1.65e-03	-3.03e-06	0.0	120.0	-14.37	-2.81e-03	-2.14e-03	1.08e-04	1.65e-03	3.47e-03
134	15	2.36e-03	4.20e-03	0.0	0.0	0.0	-15.40	-3.90e-03	6.62e-03	9.25e-05	-3.74e-03	2.36e-03
		-2.32e-03	-3.74e-03	6.46e-06	0.0	120.0	-14.67	-3.90e-03	6.62e-03	9.25e-05	4.20e-03	-2.32e-03
134	16	4.65e-03	3.73e-03	-1.08e-06	0.0	0.0	-15.41	-3.07e-03	5.64e-03	1.28e-04	-3.04e-03	4.65e-03
		9.71e-04	-3.04e-03	5.25e-06	0.0	120.0	-14.68	-3.07e-03	5.64e-03	1.28e-04	3.73e-03	9.71e-04
134	17	3.03e-03	3.06e-03	0.0	0.0	0.0	-15.08	-4.20e-03	-5.20e-04	4.98e-05	3.06e-03	3.03e-03
		-2.02e-03	2.43e-03	-1.01e-06	0.0	120.0	-14.35	-4.20e-03	-5.20e-04	4.98e-05	2.43e-03	-2.02e-03
134	18	5.32e-03	3.76e-03	0.0	0.0	0.0	-15.10	-3.37e-03	-1.49e-03	8.50e-05	3.76e-03	5.32e-03
		1.28e-03	1.97e-03	-2.22e-06	0.0	120.0	-14.37	-3.37e-03	-1.49e-03	8.50e-05	1.97e-03	1.28e-03
134	20	11.10	-0.09	-1.44e-03	0.0	0.0	-51.06	-0.39	-0.01	3.18e-03	-0.09	11.02
		11.02	-0.11	-1.40e-04	0.0	120.0	-50.33	-0.39	-0.01	3.18e-03	-0.11	11.10
134	21	-11.00	0.11	1.44e-03	0.0	0.0	20.87	0.38	7.06e-03	-3.01e-03	0.11	-11.00
		-11.10	0.10	1.35e-04	0.0	120.0	21.60	0.38	7.06e-03	-3.01e-03	0.11	-11.10
134	24	11.20	-0.09	-1.45e-03	0.0	0.0	-51.10	-0.29	-9.13e-03	3.24e-03	-0.09	10.98
		10.98	-0.11	-1.42e-04	0.0	120.0	-50.37	-0.29	-9.13e-03	3.24e-03	-0.11	11.20
134	25	-10.97	0.11	1.45e-03	0.0	0.0	20.91	0.29	6.15e-03	-3.07e-03	0.11	-10.97
		-11.19	0.10	1.38e-04	0.0	120.0	21.64	0.29	6.15e-03	-3.07e-03	0.11	-11.19
134	32	7.99	-0.09	-1.80e-03	0.0	0.0	-58.41	-0.31	-0.01	2.81e-03	-0.09	7.99
		7.56	-0.11	-1.31e-04	0.0	120.0	-57.68	-0.31	-0.01	2.81e-03	-0.11	7.56
134	33	-7.55	0.11	1.80e-03	0.0	0.0	28.22	0.30	8.04e-03	-2.64e-03	0.11	-7.55
		-7.99	0.10	1.26e-04	0.0	120.0	28.95	0.30	8.04e-03	-2.64e-03	0.11	-7.99
134	52	8.06	-0.07	-1.04e-03	0.0	0.0	-41.41	-0.32	-7.35e-03	2.35e-03	-0.07	8.00
		8.00	-0.08	-1.01e-04	0.0	120.0	-40.68	-0.32	-7.35e-03	2.35e-03	-0.08	8.06
134	53	-7.99	0.08	1.04e-03	0.0	0.0	11.22	0.31	4.36e-03	-2.18e-03	0.07	-7.99
		-8.06	0.07	9.63e-05	0.0	120.0	11.95	0.31	4.36e-03	-2.18e-03	0.08	-8.06
134	56	8.14	-0.07	-1.05e-03	0.0	0.0	-41.47	-0.23	-6.68e-03	2.40e-03	-0.07	7.97
		7.97	-0.08	-1.03e-04	0.0	120.0	-40.74	-0.23	-6.68e-03	2.40e-03	-0.08	8.14
134	57	-7.96	0.08	1.05e-03	0.0	0.0	11.27	0.22	3.69e-03	-2.23e-03	0.07	-7.96
		-8.14	0.07	9.88e-05	0.0	120.0	12.01	0.22	3.69e-03	-2.23e-03	0.08	-8.14
134	64	5.83	-0.06	-1.31e-03	0.0	0.0	-46.84	-0.23	-8.11e-03	2.10e-03	-0.06	5.50
		5.50	-0.08	-9.40e-05	0.0	120.0	-46.11	-0.23	-8.11e-03	2.10e-03	-0.08	5.83
134	65	-5.49	0.08	1.31e-03	0.0	0.0	16.65	0.22	5.12e-03	-1.93e-03	0.07	-5.49
		-5.83	0.07	8.96e-05	0.0	120.0	17.38	0.22	5.12e-03	-1.93e-03	0.08	-5.83
134	83	0.09	0.04	-7.12e-06	0.0	0.0	-11.50	0.08	-0.02	-2.83e-04	0.04	0.09

		0.07	0.03	-9.31e-05	0.0	120.0	-10.77	0.08	-0.02	-2.83e-04	0.03	0.07
134	84	-0.07	-0.03	7.02e-06	0.0	0.0	-18.69	-0.08	0.02	4.53e-04	-0.03	-0.08
		-0.08	-0.03	8.86e-05	0.0	120.0	-17.96	-0.08	0.02	4.53e-04	-0.03	-0.07
134	85	0.19	0.03	1.88e-05	0.0	0.0	-11.34	-0.19	-0.02	-4.38e-04	0.03	0.19
		-0.18	0.02	-8.54e-05	0.0	120.0	-10.61	-0.19	-0.02	-4.38e-04	0.02	-0.18
134	86	0.18	-0.02	-1.89e-05	0.0	0.0	-18.85	0.18	0.02	6.08e-04	-0.03	-0.18
		-0.18	-0.03	8.09e-05	0.0	120.0	-18.12	0.18	0.02	6.08e-04	-0.02	0.18
134	88	13.30	-0.11	-1.73e-03	0.0	0.0	-58.11	-0.45	-0.01	3.79e-03	-0.11	13.20
		13.20	-0.13	-1.67e-04	0.0	120.0	-57.38	-0.45	-0.01	3.79e-03	-0.13	13.30
134	89	-13.19	0.13	1.73e-03	0.0	0.0	27.92	0.45	8.92e-03	-3.62e-03	0.12	-13.19
		-13.30	0.12	1.63e-04	0.0	120.0	28.65	0.45	8.92e-03	-3.62e-03	0.13	-13.30
134	92	13.41	-0.11	-1.74e-03	0.0	0.0	-58.14	-0.34	-0.01	3.86e-03	-0.11	13.15
		13.15	-0.13	-1.71e-04	0.0	120.0	-57.41	-0.34	-0.01	3.86e-03	-0.13	13.41
134	93	-13.14	0.13	1.74e-03	0.0	0.0	27.95	0.34	7.89e-03	-3.69e-03	0.12	-13.14
		-13.41	0.12	1.66e-04	0.0	120.0	28.68	0.34	7.89e-03	-3.69e-03	0.13	-13.41
134	100	9.54	-0.10	-2.15e-03	0.0	0.0	-66.73	-0.37	-0.01	3.33e-03	-0.10	9.03
		9.03	-0.13	-1.57e-04	0.0	120.0	-66.00	-0.37	-0.01	3.33e-03	-0.13	9.54
134	101	-9.02	0.13	2.15e-03	0.0	0.0	36.54	0.36	0.01	-3.16e-03	0.11	-9.02
		-9.54	0.11	1.52e-04	0.0	120.0	37.27	0.36	0.01	-3.16e-03	0.13	-9.54
135	2	0.01	-5.95e-03	3.56e-05	0.0	0.0	-31.82	-0.08	-0.03	-1.38e-04	-5.95e-03	0.01
		-0.08	-0.04	-6.54e-06	0.0	120.0	-30.90	-0.08	-0.03	-1.38e-04	-0.04	-0.08
135	4	6.81e-03	-4.83e-03	3.60e-05	0.0	0.0	-25.70	-0.07	-0.03	-1.33e-04	-4.83e-03	6.81e-03
		-0.08	-0.04	-5.77e-06	0.0	120.0	-24.98	-0.07	-0.03	-1.33e-04	-0.04	-0.08
135	6	-3.25e-03	-0.01	6.51e-05	0.0	0.0	-28.13	-0.10	-0.04	-1.45e-04	-0.01	-3.25e-03
		-0.13	-0.06	-1.31e-06	0.0	120.0	-27.20	-0.10	-0.04	-1.45e-04	-0.06	-0.13
135	7	-0.01	-0.01	6.88e-05	0.0	0.0	-16.78	-0.09	-0.04	-8.93e-05	-0.01	-0.01
		-0.12	-0.06	4.80e-06	0.0	120.0	-16.07	-0.09	-0.04	-8.93e-05	-0.06	-0.12
135	8	-6.75e-03	-0.01	6.56e-05	0.0	0.0	-22.00	-0.10	-0.04	-1.41e-04	-0.01	-6.75e-03
		-0.13	-0.06	0.0	0.0	120.0	-21.29	-0.10	-0.04	-1.41e-04	-0.06	-0.13
135	10	8.44e-03	-4.46e-03	2.35e-05	0.0	0.0	-23.94	-0.05	-0.02	-9.39e-05	-4.46e-03	8.44e-03
		-0.05	-0.03	-4.70e-06	0.0	120.0	-23.22	-0.05	-0.02	-9.39e-05	-0.03	-0.05
135	11	-5.58e-03	-0.01	4.54e-05	0.0	0.0	-17.99	-0.06	-0.02	-6.47e-05	-0.01	-5.58e-03
		-0.08	-0.04	2.35e-06	0.0	120.0	-17.28	-0.06	-0.02	-6.47e-05	-0.04	-0.08
135	12	-6.05e-04	-8.47e-03	4.32e-05	0.0	0.0	-21.48	-0.07	-0.03	-9.89e-05	-8.47e-03	-6.05e-04
		-0.08	-0.04	-1.21e-06	0.0	120.0	-20.76	-0.07	-0.03	-9.89e-05	-0.04	-0.08
135	13	0.01	2.32e-03	-1.46e-06	0.0	0.0	-20.42	-0.01	5.04e-03	-1.55e-05	-3.73e-03	0.01
		-1.45e-03	-3.73e-03	-2.55e-06	0.0	120.0	-19.71	-0.01	5.04e-03	-1.55e-05	2.32e-03	-1.45e-03
135	14	0.02	1.59e-04	-3.02e-06	0.0	0.0	-22.91	-0.02	1.72e-03	-3.99e-05	-1.91e-03	0.02
		-3.68e-03	-1.91e-03	-5.09e-06	0.0	120.0	-22.19	-0.02	1.72e-03	-3.99e-05	1.59e-04	-3.68e-03
135	15	8.24e-03	-5.19e-03	7.91e-06	0.0	0.0	-19.93	-0.02	-6.44e-04	-2.53e-05	-5.19e-03	8.24e-03
		-0.02	-5.96e-03	-1.57e-06	0.0	120.0	-19.22	-0.02	-6.44e-04	-2.53e-05	-5.96e-03	-0.02
135	16	0.01	-4.10e-03	6.98e-06	0.0	0.0	-21.43	-0.02	-2.63e-03	-4.00e-05	-4.10e-03	0.01
		-0.02	-7.26e-03	-3.10e-06	0.0	120.0	-20.71	-0.02	-2.63e-03	-4.00e-05	-7.26e-03	-0.02
135	17	0.01	2.32e-03	-1.46e-06	0.0	0.0	-20.42	-0.01	5.04e-03	-1.55e-05	-3.73e-03	0.01
		-1.45e-03	-3.73e-03	-2.55e-06	0.0	120.0	-19.71	-0.01	5.04e-03	-1.55e-05	2.32e-03	-1.45e-03
135	18	0.01	1.02e-03	-2.40e-06	0.0	0.0	-21.91	-0.01	3.05e-03	-3.01e-05	-2.64e-03	0.01
		-2.79e-03	-2.64e-03	-4.08e-06	0.0	120.0	-21.20	-0.01	3.05e-03	-3.01e-05	1.02e-03	-2.79e-03
135	27	0.98	1.21	-1.16e-04	0.0	0.0	-234.27	-1.17	-0.30	-1.10e-03	1.21	0.98
		-0.43	0.85	1.90e-03	0.0	120.0	-233.55	-1.17	-0.30	-1.10e-03	0.85	-0.43
135	30	0.43	-0.84	1.11e-04	0.0	0.0	190.44	1.14	0.30	1.04e-03	-1.21	-0.95
		-0.95	-1.21	-1.91e-03	0.0	120.0	191.16	1.14	0.30	1.04e-03	-0.84	0.43
135	31	0.98	1.21	-1.12e-04	0.0	0.0	-234.39	-1.18	-0.29	-1.07e-03	1.21	0.98
		-0.43	0.85	1.90e-03	0.0	120.0	-233.67	-1.18	-0.29	-1.07e-03	0.85	-0.43
135	34	0.43	-0.84	1.07e-04	0.0	0.0	190.56	1.15	0.30	1.01e-03	-1.21	-0.95
		-0.95	-1.21	-1.90e-03	0.0	120.0	191.28	1.15	0.30	1.01e-03	-0.84	0.43
135	59	0.72	0.88	-9.10e-05	0.0	0.0	-177.00	-0.85	-0.21	-8.08e-04	0.88	0.72
		-0.31	0.62	1.38e-03	0.0	120.0	-176.28	-0.85	-0.21	-8.08e-04	0.62	-0.31
135	62	0.31	-0.62	8.62e-05	0.0	0.0	133.17	0.83	0.22	7.48e-04	-0.89	-0.69
		-0.69	-0.89	-1.39e-03	0.0	120.0	133.89	0.83	0.22	7.48e-04	-0.62	0.31
135	63	0.72	0.88	-8.72e-05	0.0	0.0	-177.09	-0.86	-0.21	-7.87e-04	0.88	0.72
		-0.31	0.62	1.38e-03	0.0	120.0	-176.37	-0.86	-0.21	-7.87e-04	0.62	-0.31
135	66	0.31	-0.61	8.24e-05	0.0	0.0	133.26	0.83	0.22	7.27e-04	-0.88	-0.69
		-0.69	-0.88	-1.39e-03	0.0	120.0	133.98	0.83	0.22	7.27e-04	-0.61	0.31
135	83	0.05	0.04	-1.04e-04	0.0	0.0	-31.05	0.03	0.04	-5.70e-05	0.02	0.04
		0.04	0.02	-7.53e-06	0.0	120.0	-30.34	0.03	0.04	-5.70e-05	0.04	0.05
135	84	-0.02	-0.02	9.94e-05	0.0	0.0	-12.77	-0.06	-0.03	-3.27e-06	-0.02	-0.02
		-0.06	-0.04	0.0	0.0	120.0	-12.06	-0.06	-0.03	-3.27e-06	-0.04	-0.06
135	85	0.05	0.04	-9.27e-05	0.0	0.0	-31.32	0.02	0.05	5.93e-06	0.02	0.04
		0.04	0.02	-1.52e-05	0.0	120.0	-30.61	0.02	0.05	5.93e-06	0.04	0.05
135	86	-0.02	-0.02	8.79e-05	0.0	0.0	-12.50	-0.04	-0.04	-6.62e-05	-0.02	-0.02
		-0.06	-0.03	7.08e-06	0.0	120.0	-11.79	-0.04	-0.04	-6.62e-05	-0.03	-0.06
135	95	1.17	1.44	-1.36e-04	0.0	0.0	-275.28	-1.39	-0.35	-1.31e-03	1.44	1.17
		-0.52	1.01	2.27e-03	0.0	120.0	-274.57	-1.39	-0.35	-1.31e-03	1.01	-0.52
135	98	0.51	-1.01	1.31e-04	0.0	0.0	231.46	1.37	0.36	1.25e-03	-1.45	-1.14
		-1.14	-1.45	-2.28e-03	0.0	120.0	232.17	1.37	0.36	1.25e-03	-1.01	0.51

135	99	1.16	1.44	-1.31e-04	0.0	0.0	-275.43	-1.40	-0.35	-1.27e-03	1.44	1.16
		-0.52	1.01	2.26e-03	0.0	120.0	-274.72	-1.40	-0.35	-1.27e-03	1.01	-0.52
135	102	0.51	-1.01	1.27e-04	0.0	0.0	231.61	1.37	0.36	1.21e-03	-1.45	-1.14
		-1.14	-1.45	-2.27e-03	0.0	120.0	232.32	1.37	0.36	1.21e-03	-1.01	0.51
136	2	4.74e-03	0.26	-8.98e-06	0.0	0.0	-71.34	0.01	0.22	-1.35e-05	-7.71e-04	-9.14e-03
		-9.14e-03	-7.71e-04	1.79e-05	0.0	120.0	-70.39	0.01	0.22	-1.35e-05	0.26	4.74e-03
136	3	-2.99e-03	0.09	-3.60e-06	0.0	0.0	-34.16	2.65e-03	-0.12	-1.06e-04	0.09	-6.17e-03
		-6.17e-03	-0.06	5.73e-05	0.0	120.0	-33.42	2.65e-03	-0.12	-1.06e-04	-0.06	-2.99e-03
136	7	-6.42e-03	0.14	-5.72e-06	0.0	0.0	-37.26	3.52e-03	-0.22	-1.75e-04	0.14	-0.01
		-0.01	-0.13	1.01e-04	0.0	120.0	-36.53	3.52e-03	-0.22	-1.75e-04	-0.13	-6.42e-03
136	8	-1.46e-03	0.08	-9.40e-06	0.0	0.0	-57.09	9.48e-03	8.77e-03	-1.09e-04	0.07	-0.01
		-0.01	0.07	7.56e-05	0.0	120.0	-56.36	9.48e-03	8.77e-03	-1.09e-04	0.08	-1.46e-03
136	9	-1.28e-03	0.07	-2.54e-06	0.0	0.0	-32.61	2.22e-03	-0.07	-7.22e-05	0.07	-3.94e-03
		-3.94e-03	-0.02	3.52e-05	0.0	120.0	-31.87	2.22e-03	-0.07	-7.22e-05	-0.02	-1.28e-03
136	10	3.45e-03	0.18	-6.04e-06	0.0	0.0	-51.49	7.89e-03	0.15	-9.56e-06	1.49e-03	-6.02e-03
		-6.02e-03	1.49e-03	1.08e-05	0.0	120.0	-50.76	7.89e-03	0.15	-9.56e-06	0.18	3.45e-03
136	11	-3.56e-03	0.10	-3.95e-06	0.0	0.0	-34.67	2.80e-03	-0.14	-1.18e-04	0.10	-6.92e-03
		-6.92e-03	-0.07	6.46e-05	0.0	120.0	-33.94	2.80e-03	-0.14	-1.18e-04	-0.07	-3.56e-03
136	12	-2.58e-04	0.07	-6.40e-06	0.0	0.0	-47.89	6.77e-03	0.02	-7.38e-05	0.05	-8.38e-03
		-8.38e-03	0.05	4.75e-05	0.0	120.0	-47.16	6.77e-03	0.02	-7.38e-05	0.07	-2.58e-04
136	13	2.15e-03	0.05	0.0	0.0	0.0	-29.51	1.35e-03	0.03	-4.03e-06	0.02	5.35e-04
		5.35e-04	0.02	-8.78e-06	0.0	120.0	-28.77	1.35e-03	0.03	-4.03e-06	0.05	2.15e-03
136	14	4.52e-03	0.15	-2.18e-06	0.0	0.0	-38.95	4.19e-03	0.14	2.73e-05	-0.02	-5.07e-04
		-5.07e-04	-0.02	-2.10e-05	0.0	120.0	-38.22	4.19e-03	0.14	2.73e-05	0.15	4.52e-03
136	16	2.43e-03	0.09	-2.18e-06	0.0	0.0	-36.20	3.34e-03	0.06	-7.96e-06	0.01	-1.58e-03
		-1.58e-03	0.01	-3.08e-06	0.0	120.0	-35.47	3.34e-03	0.06	-7.96e-06	0.09	2.43e-03
136	17	2.15e-03	0.05	0.0	0.0	0.0	-29.51	1.35e-03	0.03	-4.03e-06	0.02	5.35e-04
		5.35e-04	0.02	-8.78e-06	0.0	120.0	-28.77	1.35e-03	0.03	-4.03e-06	0.05	2.15e-03
136	18	3.57e-03	0.11	-1.47e-06	0.0	0.0	-35.17	3.05e-03	0.10	1.48e-05	-4.04e-03	-8.98e-05
		-8.98e-05	-4.04e-03	-1.61e-05	0.0	120.0	-34.44	3.05e-03	0.10	1.48e-05	0.11	3.57e-03
136	23	4.03	0.43	-4.06e-03	0.0	0.0	53.10	5.24	0.55	3.07e-03	-0.23	-2.58
		-2.58	-0.23	-3.93e-05	0.0	120.0	53.84	5.24	0.55	3.07e-03	0.43	4.03
136	26	2.58	0.22	4.06e-03	0.0	0.0	-123.45	-5.24	-0.35	-3.04e-03	0.22	2.58
		-4.02	-0.20	7.15e-06	0.0	120.0	-122.71	-5.24	-0.35	-3.04e-03	-0.20	-4.02
136	27	2.11	0.44	-3.48e-03	0.0	0.0	63.81	4.09	0.58	2.68e-03	-0.26	-3.10
		-3.10	-0.26	-4.58e-05	0.0	120.0	64.54	4.09	0.58	2.68e-03	0.44	2.11
136	31	2.20	0.44	-3.46e-03	0.0	0.0	63.96	4.02	0.58	2.64e-03	-0.25	-2.94
		-2.94	-0.25	-4.64e-05	0.0	120.0	64.69	4.02	0.58	2.64e-03	0.44	2.20
136	34	2.94	0.25	3.46e-03	0.0	0.0	-134.30	-4.02	-0.38	-2.61e-03	0.25	2.94
		-2.19	-0.21	1.42e-05	0.0	120.0	-133.57	-4.02	-0.38	-2.61e-03	-0.21	-2.19
136	55	2.97	0.35	-2.94e-03	0.0	0.0	29.63	3.80	0.43	2.25e-03	-0.17	-1.87
		-1.87	-0.17	-3.96e-05	0.0	120.0	30.36	3.80	0.43	2.25e-03	0.35	2.97
136	58	1.87	0.16	2.94e-03	0.0	0.0	-99.98	-3.79	-0.23	-2.22e-03	0.16	1.87
		-2.97	-0.12	7.33e-06	0.0	120.0	-99.24	-3.79	-0.23	-2.22e-03	-0.12	-2.97
136	59	1.56	0.36	-2.53e-03	0.0	0.0	37.62	2.98	0.45	1.98e-03	-0.19	-2.27
		-2.27	-0.19	-4.42e-05	0.0	120.0	38.35	2.98	0.45	1.98e-03	0.36	1.56
136	63	1.64	0.36	-2.52e-03	0.0	0.0	37.69	2.92	0.45	1.94e-03	-0.19	-2.13
		-2.13	-0.19	-4.47e-05	0.0	120.0	38.42	2.92	0.45	1.94e-03	0.36	1.64
136	66	2.13	0.18	2.52e-03	0.0	0.0	-108.03	-2.92	-0.26	-1.91e-03	0.18	2.13
		-1.64	-0.13	1.25e-05	0.0	120.0	-107.30	-2.92	-0.26	-1.91e-03	-0.13	-1.64
136	83	0.19	0.22	-9.89e-06	0.0	0.0	-22.72	0.06	0.25	3.97e-04	-0.08	-0.13
		-0.13	-0.08	-1.28e-04	0.0	120.0	-21.99	0.06	0.25	3.97e-04	0.22	0.19
136	85	0.43	0.22	2.27e-05	0.0	0.0	-22.50	-0.11	0.24	2.86e-04	-0.08	0.31
		0.31	-0.08	-1.30e-04	0.0	120.0	-21.77	-0.11	0.24	2.86e-04	0.22	0.43
136	86	-0.31	0.07	-2.56e-05	0.0	0.0	-47.84	0.12	-0.04	-2.56e-04	0.07	-0.31
		-0.43	0.01	9.75e-05	0.0	120.0	-47.11	0.12	-0.04	-2.56e-04	0.01	-0.43
136	91	4.81	0.49	-4.87e-03	0.0	0.0	70.31	6.29	0.63	3.67e-03	-0.27	-3.09
		-3.09	-0.27	-4.12e-05	0.0	120.0	71.04	6.29	0.63	3.67e-03	0.49	4.81
136	94	3.09	0.26	4.86e-03	0.0	0.0	-140.65	-6.28	-0.44	-3.64e-03	0.26	3.09
		-4.80	-0.26	9.20e-06	0.0	120.0	-139.92	-6.28	-0.44	-3.64e-03	-0.26	-4.80
136	95	2.51	0.51	-4.15e-03	0.0	0.0	82.73	4.88	0.67	3.19e-03	-0.30	-3.70
		-3.70	-0.30	-4.90e-05	0.0	120.0	83.46	4.88	0.67	3.19e-03	0.51	2.51
136	99	2.61	0.50	-4.13e-03	0.0	0.0	82.93	4.81	0.67	3.14e-03	-0.30	-3.51
		-3.51	-0.30	-4.98e-05	0.0	120.0	83.66	4.81	0.67	3.14e-03	0.50	2.61
136	102	3.51	0.29	4.13e-03	0.0	0.0	-153.27	-4.80	-0.47	-3.11e-03	0.29	3.51
		-2.60	-0.28	1.76e-05	0.0	120.0	-152.54	-4.80	-0.47	-3.11e-03	-0.28	-2.60
137	2	4.58e-03	0.19	-8.98e-06	0.0	0.0	-54.53	0.01	-0.36	4.33e-04	0.19	-9.23e-03
		-9.23e-03	-0.25	5.61e-05	0.0	120.0	-53.58	0.01	-0.36	4.33e-04	-0.25	4.58e-03
137	3	-3.15e-03	0.18	-3.60e-06	0.0	0.0	-32.67	2.53e-03	-0.38	2.42e-04	0.18	-6.19e-03
		-6.19e-03	-0.28	6.68e-05	0.0	120.0	-31.94	2.53e-03	-0.38	2.42e-04	-0.28	-3.15e-03
137	5	-5.98e-03	0.28	-5.84e-06	0.0	0.0	-44.73	3.75e-03	-0.62	3.85e-04	0.28	-0.01
		-0.01	-0.46	1.12e-04	0.0	120.0	-43.78	3.75e-03	-0.62	3.85e-04	-0.46	-5.98e-03
137	6	-9.83e-04	0.29	-9.52e-06	0.0	0.0	-54.46	9.78e-03	-0.60	5.08e-04	0.29	-0.01
		-0.01	-0.44	1.06e-04	0.0	120.0	-53.51	9.78e-03	-0.60	5.08e-04	-0.44	-9.83e-04
137	8	-1.58e-03	0.28	-9.39e-06	0.0	0.0	-46.50	9.40e-03	-0.59	4.93e-04	0.28	-0.01

		-0.01	-0.44	1.07e-04	0.0	120.0	-45.77	9.40e-03	-0.59	4.93e-04	-0.44	-1.58e-03
137	9	-1.44e-03	0.13	-2.54e-06	0.0	0.0	-30.62	2.10e-03	-0.26	1.78e-04	0.13	-3.97e-03
		-3.97e-03	-0.19	4.35e-05	0.0	120.0	-29.89	2.10e-03	-0.26	1.78e-04	-0.19	-1.44e-03
137	10	3.32e-03	0.13	-6.04e-06	0.0	0.0	-39.89	7.84e-03	-0.25	2.95e-04	0.13	-6.09e-03
		-6.09e-03	-0.16	3.70e-05	0.0	120.0	-39.16	7.84e-03	-0.25	2.95e-04	-0.16	3.32e-03
137	11	-3.72e-03	0.19	-3.95e-06	0.0	0.0	-33.35	2.67e-03	-0.42	2.63e-04	0.19	-6.93e-03
		-6.93e-03	-0.31	7.45e-05	0.0	120.0	-32.62	2.67e-03	-0.42	2.63e-04	-0.31	-3.72e-03
137	12	-3.91e-04	0.20	-6.40e-06	0.0	0.0	-39.84	6.69e-03	-0.41	3.45e-04	0.20	-8.42e-03
		-8.42e-03	-0.29	7.00e-05	0.0	120.0	-39.11	6.69e-03	-0.41	3.45e-04	-0.29	-3.91e-04
137	13	1.98e-03	0.03	0.0	0.0	0.0	-26.52	1.26e-03	-0.03	4.98e-05	0.03	4.72e-04
		4.72e-04	-3.01e-03	-3.09e-06	0.0	120.0	-25.79	1.26e-03	-0.03	4.98e-05	-3.01e-03	1.98e-03
137	14	4.36e-03	0.04	-2.18e-06	0.0	0.0	-31.15	4.13e-03	-0.02	1.08e-04	0.04	-5.90e-04
		-5.90e-04	8.20e-03	-6.33e-06	0.0	120.0	-30.42	4.13e-03	-0.02	1.08e-04	8.20e-03	4.36e-03
137	15	8.40e-04	0.07	-1.13e-06	0.0	0.0	-27.89	1.54e-03	-0.11	9.25e-05	0.07	-1.01e-03
		-1.01e-03	-0.06	1.24e-05	0.0	120.0	-27.16	1.54e-03	-0.11	9.25e-05	-0.06	8.40e-04
137	16	2.27e-03	0.07	-2.18e-06	0.0	0.0	-30.67	3.26e-03	-0.10	1.28e-04	0.07	-1.65e-03
		-1.65e-03	-0.06	1.05e-05	0.0	120.0	-29.94	3.26e-03	-0.10	1.28e-04	-0.06	2.27e-03
137	17	1.98e-03	0.03	0.0	0.0	0.0	-26.52	1.26e-03	-0.03	4.98e-05	0.03	4.72e-04
		4.72e-04	-3.01e-03	-3.09e-06	0.0	120.0	-25.79	1.26e-03	-0.03	4.98e-05	-3.01e-03	1.98e-03
137	18	3.41e-03	0.04	-1.48e-06	0.0	0.0	-29.30	2.98e-03	-0.03	8.50e-05	0.04	-1.65e-04
		-1.65e-04	3.72e-03	-5.04e-06	0.0	120.0	-28.57	2.98e-03	-0.03	8.50e-05	3.72e-03	3.41e-03
137	23	4.02	0.17	-4.06e-03	0.0	0.0	-107.97	5.24	-0.31	2.84e-03	0.17	-2.58
		-2.58	-0.19	-6.02e-05	0.0	120.0	-107.24	5.24	-0.31	2.84e-03	-0.19	4.02
137	26	2.58	0.20	4.06e-03	0.0	0.0	49.37	-5.24	0.25	-2.67e-03	-0.10	2.58
		-4.01	-0.10	5.01e-05	0.0	120.0	50.10	-5.24	0.25	-2.67e-03	0.20	-4.01
137	28	1.96	0.27	-3.47e-03	0.0	0.0	-128.88	4.05	-0.51	2.75e-03	0.27	-3.01
		-3.01	-0.34	2.42e-05	0.0	120.0	-128.15	4.05	-0.51	2.75e-03	-0.34	1.96
137	29	3.01	0.35	3.47e-03	0.0	0.0	70.29	-4.04	0.46	-2.58e-03	-0.20	3.01
		-1.95	-0.20	-3.43e-05	0.0	120.0	71.02	-4.04	0.46	-2.58e-03	0.35	-1.95
137	32	1.87	0.28	-3.48e-03	0.0	0.0	-128.41	4.11	-0.52	2.81e-03	0.28	-3.17
		-3.17	-0.35	2.04e-05	0.0	120.0	-127.68	4.11	-0.52	2.81e-03	-0.35	1.87
137	33	3.17	0.36	3.48e-03	0.0	0.0	69.81	-4.10	0.47	-2.64e-03	-0.21	3.17
		-1.86	-0.21	-3.05e-05	0.0	120.0	70.54	-4.10	0.47	-2.64e-03	0.36	-1.86
137	55	2.97	0.13	-2.94e-03	0.0	0.0	-85.61	3.80	-0.22	2.06e-03	0.13	-1.87
		-1.87	-0.13	-5.04e-05	0.0	120.0	-84.87	3.80	-0.22	2.06e-03	-0.13	2.97
137	58	1.87	0.14	2.94e-03	0.0	0.0	27.01	-3.79	0.17	-1.89e-03	-0.06	1.87
		-2.96	-0.06	4.03e-05	0.0	120.0	27.74	-3.79	0.17	-1.89e-03	0.14	-2.96
137	60	1.43	0.21	-2.52e-03	0.0	0.0	-102.63	2.94	-0.38	2.05e-03	0.21	-2.19
		-2.19	-0.25	2.28e-05	0.0	120.0	-101.90	2.94	-0.38	2.05e-03	-0.25	1.43
137	61	2.19	0.26	2.52e-03	0.0	0.0	44.03	-2.94	0.33	-1.88e-03	-0.14	2.19
		-1.43	-0.14	-3.28e-05	0.0	120.0	44.76	-2.94	0.33	-1.88e-03	0.26	-1.43
137	64	1.35	0.22	-2.53e-03	0.0	0.0	-102.22	3.00	-0.39	2.10e-03	0.22	-2.33
		-2.33	-0.26	1.91e-05	0.0	120.0	-101.49	3.00	-0.39	2.10e-03	-0.26	1.35
137	65	2.33	0.27	2.53e-03	0.0	0.0	43.62	-2.99	0.34	-1.93e-03	-0.14	2.33
		-1.35	-0.14	-2.92e-05	0.0	120.0	44.35	-2.99	0.34	-1.93e-03	0.27	-1.35
137	83	0.19	0.15	-9.89e-06	0.0	0.0	-15.17	0.06	0.16	-2.83e-04	-0.05	-0.13
		-0.13	-0.05	-1.13e-04	0.0	120.0	-14.43	0.06	0.16	-2.83e-04	0.15	0.19
137	84	0.13	0.12	6.94e-06	0.0	0.0	-43.43	-0.05	-0.22	4.53e-04	0.12	0.13
		-0.18	-0.14	1.03e-04	0.0	120.0	-42.70	-0.05	-0.22	4.53e-04	-0.14	-0.18
137	85	0.43	0.17	2.27e-05	0.0	0.0	-16.39	-0.11	0.19	-4.38e-04	-0.06	0.31
		0.31	-0.06	-1.02e-04	0.0	120.0	-15.66	-0.11	0.19	-4.38e-04	0.17	0.43
137	86	-0.31	0.13	-2.56e-05	0.0	0.0	-42.20	0.12	-0.24	6.08e-04	0.13	-0.31
		-0.43	-0.17	9.18e-05	0.0	120.0	-41.47	0.12	-0.24	6.08e-04	-0.17	-0.43
137	91	4.80	0.20	-4.87e-03	0.0	0.0	-123.88	6.28	-0.36	3.40e-03	0.20	-3.10
		-3.10	-0.23	-6.89e-05	0.0	120.0	-123.15	6.28	-0.36	3.40e-03	-0.23	4.80
137	94	3.10	0.24	4.86e-03	0.0	0.0	65.29	-6.28	0.31	-3.23e-03	-0.13	3.10
		-4.79	-0.13	5.88e-05	0.0	120.0	66.02	-6.28	0.31	-3.23e-03	0.24	-4.79
137	96	2.34	0.32	-4.14e-03	0.0	0.0	-147.88	4.83	-0.60	3.26e-03	0.32	-3.59
		-3.59	-0.41	2.74e-05	0.0	120.0	-147.15	4.83	-0.60	3.26e-03	-0.41	2.34
137	97	3.59	0.41	4.14e-03	0.0	0.0	89.29	-4.83	0.55	-3.09e-03	-0.25	3.59
		-2.33	-0.25	-3.74e-05	0.0	120.0	90.02	-4.83	0.55	-3.09e-03	0.41	-2.33
137	100	2.24	0.32	-4.16e-03	0.0	0.0	-147.34	4.91	-0.62	3.33e-03	0.32	-3.78
		-3.78	-0.42	2.32e-05	0.0	120.0	-146.61	4.91	-0.62	3.33e-03	-0.42	2.24
137	101	3.78	0.43	4.15e-03	0.0	0.0	88.74	-4.90	0.56	-3.16e-03	-0.25	3.78
		-2.23	-0.25	-3.33e-05	0.0	120.0	89.47	-4.90	0.56	-3.16e-03	0.43	-2.23
138	2	0.04	0.08	-7.79e-06	0.0	0.0	-13.27	0.03	0.06	0.0	0.01	9.23e-03
		9.23e-03	0.01	-5.96e-05	0.0	120.0	-12.34	0.03	0.06	0.0	0.08	0.04
138	3	0.03	0.07	1.39e-06	0.0	0.0	-9.99	0.02	0.04	0.0	0.02	0.01
		0.01	0.02	-3.84e-05	0.0	120.0	-9.28	0.02	0.04	0.0	0.07	0.03
138	6	0.06	0.12	-3.15e-06	0.0	0.0	-13.91	0.03	0.08	0.0	0.03	0.02
		0.02	0.03	-7.55e-05	0.0	120.0	-12.99	0.03	0.08	0.0	0.12	0.06
138	8	0.06	0.12	-2.65e-06	0.0	0.0	-11.29	0.03	0.08	0.0	0.03	0.02
		0.02	0.03	-7.38e-05	0.0	120.0	-10.58	0.03	0.08	0.0	0.12	0.06
138	9	0.02	0.04	0.0	0.0	0.0	-9.57	0.01	0.03	0.0	0.01	7.01e-03
		7.01e-03	0.01	-2.76e-05	0.0	120.0	-8.86	0.01	0.03	0.0	0.04	0.02

138	10	0.03	0.05	-5.41e-06	0.0	0.0	-10.01	0.02	0.04	0.0	6.35e-03	5.73e-03
		5.73e-03	6.35e-03	-4.05e-05	0.0	120.0	-9.30	0.02	0.04	0.0	0.05	0.03
138	12	0.04	0.08	-2.32e-06	0.0	0.0	-10.44	0.02	0.05	0.0	0.02	0.01
		0.01	0.02	-5.11e-05	0.0	120.0	-9.73	0.02	0.05	0.0	0.08	0.04
138	13	-9.47e-04	-1.40e-03	-1.65e-06	0.0	0.0	-8.73	1.86e-03	3.74e-03	0.0	-5.88e-03	-3.18e-03
		-3.18e-03	-5.88e-03	-5.79e-06	0.0	120.0	-8.02	1.86e-03	3.74e-03	0.0	-1.40e-03	-9.47e-04
138	14	1.63e-03	3.47e-03	-4.55e-06	0.0	0.0	-8.95	4.54e-03	9.95e-03	0.0	-8.47e-03	-3.82e-03
		-3.82e-03	-8.47e-03	-1.23e-05	0.0	120.0	-8.24	4.54e-03	9.95e-03	0.0	3.47e-03	1.63e-03
138	16	8.14e-03	0.02	-2.71e-06	0.0	0.0	-9.15	6.92e-03	0.02	0.0	-1.63e-03	-1.65e-04
		-1.65e-04	-1.63e-03	-1.69e-05	0.0	120.0	-8.43	6.92e-03	0.02	0.0	0.02	8.14e-03
138	17	-9.47e-04	-1.40e-03	-1.65e-06	0.0	0.0	-8.73	1.86e-03	3.74e-03	0.0	-5.88e-03	-3.18e-03
		-3.18e-03	-5.88e-03	-5.79e-06	0.0	120.0	-8.02	1.86e-03	3.74e-03	0.0	-1.40e-03	-9.47e-04
138	18	5.99e-04	1.52e-03	-3.39e-06	0.0	0.0	-8.86	3.47e-03	7.46e-03	0.0	-7.43e-03	-3.56e-03
		-3.56e-03	-7.43e-03	-9.67e-06	0.0	120.0	-8.15	3.47e-03	7.46e-03	0.0	1.52e-03	5.99e-04
138	27	0.23	0.06	2.29e-03	0.0	0.0	76.85	0.06	0.16	0.0	-0.12	0.17
		0.17	-0.12	-1.43e-04	0.0	120.0	77.57	0.06	0.16	0.0	0.06	0.23
138	28	0.27	0.13	2.29e-03	0.0	0.0	74.57	0.07	0.19	0.0	-0.08	0.18
		0.18	-0.08	-1.99e-04	0.0	120.0	75.28	0.07	0.19	0.0	0.13	0.27
138	29	-0.19	0.07	-2.30e-03	0.0	0.0	-92.30	-0.07	-0.17	0.0	0.07	-0.19
		-0.26	-0.13	1.80e-04	0.0	120.0	-91.58	-0.07	-0.17	0.0	-0.13	-0.26
138	30	-0.17	0.10	-2.30e-03	0.0	0.0	-94.58	-0.05	-0.14	0.0	0.10	-0.17
		-0.23	-0.06	1.24e-04	0.0	120.0	-93.87	-0.05	-0.14	0.0	-0.06	-0.23
138	40	0.13	0.15	6.86e-04	0.0	0.0	12.69	0.05	0.10	0.0	0.02	0.08
		0.08	0.02	-1.51e-04	0.0	120.0	13.41	0.05	0.10	0.0	0.15	0.13
138	41	-0.09	-0.04	-6.93e-04	0.0	0.0	-30.42	-0.04	-0.09	0.0	-0.04	-0.09
		-0.13	-0.14	1.32e-04	0.0	120.0	-29.71	-0.04	-0.09	0.0	-0.14	-0.13
138	59	0.17	0.04	1.66e-03	0.0	0.0	53.58	0.04	0.12	0.0	-0.09	0.12
		0.12	-0.09	-1.01e-04	0.0	120.0	54.29	0.04	0.12	0.0	0.04	0.17
138	60	0.20	0.10	1.67e-03	0.0	0.0	51.81	0.05	0.14	0.0	-0.06	0.14
		0.14	-0.06	-1.52e-04	0.0	120.0	52.52	0.05	0.14	0.0	0.10	0.20
138	61	-0.14	0.05	-1.67e-03	0.0	0.0	-69.54	-0.05	-0.12	0.0	0.05	-0.14
		-0.19	-0.10	1.32e-04	0.0	120.0	-68.82	-0.05	-0.12	0.0	-0.10	-0.19
138	62	-0.13	0.08	-1.67e-03	0.0	0.0	-71.31	-0.04	-0.10	0.0	0.08	-0.13
		-0.16	-0.04	8.19e-05	0.0	120.0	-70.59	-0.04	-0.10	0.0	-0.04	-0.16
138	72	0.11	0.12	4.99e-04	0.0	0.0	6.66	0.04	0.08	0.0	0.02	0.06
		0.06	0.02	-1.29e-04	0.0	120.0	7.37	0.04	0.08	0.0	0.12	0.11
138	73	-0.07	-0.04	-5.06e-04	0.0	0.0	-24.39	-0.03	-0.07	0.0	-0.04	-0.07
		-0.10	-0.12	1.09e-04	0.0	120.0	-23.67	-0.03	-0.07	0.0	-0.12	-0.10
138	83	-0.03	-0.05	-4.89e-06	0.0	0.0	-6.24	-0.02	-0.03	0.0	-0.05	-0.03
		-0.04	-0.08	6.60e-05	0.0	120.0	-5.52	-0.02	-0.03	0.0	-0.08	-0.04
138	84	0.05	0.09	-1.89e-06	0.0	0.0	-11.49	0.02	0.04	0.0	0.04	0.02
		0.02	0.04	-8.54e-05	0.0	120.0	-10.78	0.02	0.04	0.0	0.09	0.05
138	95	0.27	0.08	2.73e-03	0.0	0.0	93.47	0.07	0.19	0.0	-0.14	0.20
		0.20	-0.14	-1.71e-04	0.0	120.0	94.18	0.07	0.19	0.0	0.08	0.27
138	96	0.32	0.16	2.74e-03	0.0	0.0	90.79	0.09	0.22	0.0	-0.10	0.22
		0.22	-0.10	-2.34e-04	0.0	120.0	91.50	0.09	0.22	0.0	0.16	0.32
138	97	-0.23	0.08	-2.74e-03	0.0	0.0	-108.52	-0.08	-0.20	0.0	0.08	-0.23
		-0.31	-0.15	2.15e-04	0.0	120.0	-107.81	-0.08	-0.20	0.0	-0.15	-0.31
138	98	-0.21	0.13	-2.74e-03	0.0	0.0	-111.20	-0.06	-0.17	0.0	0.13	-0.21
		-0.27	-0.07	1.51e-04	0.0	120.0	-110.48	-0.06	-0.17	0.0	-0.07	-0.27
138	108	0.16	0.17	8.20e-04	0.0	0.0	16.97	0.05	0.12	0.0	0.03	0.10
		0.10	0.03	-1.73e-04	0.0	120.0	17.69	0.05	0.12	0.0	0.17	0.16
138	109	-0.10	-0.04	-8.27e-04	0.0	0.0	-34.70	-0.05	-0.11	0.0	-0.04	-0.10
		-0.16	-0.16	1.53e-04	0.0	120.0	-33.99	-0.05	-0.11	0.0	-0.16	-0.16
139	2	2.99e-03	6.04e-04	2.90e-05	0.0	0.0	-11.16	-4.35e-04	-2.02e-03	0.0	6.04e-04	2.99e-03
		2.47e-03	-1.82e-03	-9.66e-06	0.0	120.0	-10.23	-4.35e-04	-2.02e-03	0.0	-1.82e-03	2.47e-03
139	7	1.99e-06	-5.38e-03	5.81e-05	0.0	0.0	-6.91	-3.28e-03	-1.14e-03	0.0	-5.38e-03	1.99e-06
		-3.93e-03	-6.75e-03	1.85e-06	0.0	120.0	-6.20	-3.28e-03	-1.14e-03	0.0	-6.75e-03	-3.93e-03
139	10	2.55e-03	7.77e-04	1.94e-05	0.0	0.0	-8.60	-2.36e-04	-1.38e-03	0.0	7.77e-04	2.55e-03
		2.27e-03	-8.75e-04	-6.82e-06	0.0	120.0	-7.89	-2.36e-04	-1.38e-03	0.0	-8.75e-04	2.27e-03
139	11	1.39e-03	-2.65e-03	3.90e-05	0.0	0.0	-7.52	-2.05e-03	-8.44e-04	0.0	-2.65e-03	1.39e-03
		-1.07e-03	-3.66e-03	0.0	0.0	120.0	-6.81	-2.05e-03	-8.44e-04	0.0	-3.66e-03	-1.07e-03
139	14	5.18e-03	3.43e-03	-1.39e-06	0.0	0.0	-9.04	8.21e-04	-6.31e-04	0.0	3.43e-03	4.20e-03
		4.20e-03	2.68e-03	-5.79e-06	0.0	120.0	-8.32	8.21e-04	-6.31e-04	0.0	2.68e-03	5.18e-03
139	15	3.62e-03	1.72e-03	8.39e-06	0.0	0.0	-8.50	-8.68e-05	-3.64e-04	0.0	1.72e-03	3.62e-03
		3.52e-03	1.28e-03	-2.24e-06	0.0	120.0	-7.78	-8.68e-05	-3.64e-04	0.0	1.28e-03	3.52e-03
139	17	4.66e-03	2.81e-03	0.0	0.0	0.0	-8.74	4.04e-04	-2.44e-04	0.0	2.81e-03	4.18e-03
		4.18e-03	2.52e-03	-2.87e-06	0.0	120.0	-8.02	4.04e-04	-2.44e-04	0.0	2.52e-03	4.66e-03
139	18	4.97e-03	3.18e-03	0.0	0.0	0.0	-8.92	6.54e-04	-4.76e-04	0.0	3.18e-03	4.19e-03
		4.19e-03	2.61e-03	-4.62e-06	0.0	120.0	-8.20	6.54e-04	-4.76e-04	0.0	2.61e-03	4.97e-03
139	27	0.33	0.45	-1.97e-04	0.0	0.0	-93.10	-0.29	-0.30	0.0	0.45	0.33
		-5.09e-03	0.10	2.31e-03	0.0	120.0	-92.39	-0.29	-0.30	0.0	0.10	-5.09e-03
139	30	0.02	-0.09	1.96e-04	0.0	0.0	75.27	0.29	0.30	0.0	-0.45	-0.32
		-0.32	-0.45	-2.32e-03	0.0	120.0	75.98	0.29	0.30	0.0	-0.09	0.02
139	31	0.33	0.45	-1.95e-04	0.0	0.0	-93.38	-0.29	-0.30	0.0	0.45	0.33

139	34	-9.20e-03	0.10	2.30e-03	0.0	120.0	-92.66	-0.29	-0.30	0.0	0.10	-9.20e-03
		0.02	-0.09	1.94e-04	0.0	0.0	75.54	0.29	0.30	0.0	-0.45	-0.32
		-0.32	-0.45	-2.31e-03	0.0	120.0	76.26	0.29	0.30	0.0	-0.09	0.02
139	59	0.24	0.33	-1.48e-04	0.0	0.0	-70.26	-0.21	-0.22	0.0	0.33	0.24
		9.08e-04	0.08	1.68e-03	0.0	120.0	-69.54	-0.21	-0.22	0.0	0.08	9.08e-04
139	62	9.04e-03	-0.07	1.47e-04	0.0	0.0	52.42	0.21	0.22	0.0	-0.33	-0.24
		-0.24	-0.33	-1.69e-03	0.0	120.0	53.14	0.21	0.22	0.0	-0.07	9.04e-03
139	63	0.24	0.33	-1.46e-04	0.0	0.0	-70.51	-0.21	-0.22	0.0	0.33	0.24
		-2.76e-03	0.07	1.67e-03	0.0	120.0	-69.79	-0.21	-0.22	0.0	0.07	-2.76e-03
139	66	0.01	-0.07	1.45e-04	0.0	0.0	52.67	0.21	0.22	0.0	-0.33	-0.23
		-0.23	-0.33	-1.68e-03	0.0	120.0	53.39	0.21	0.22	0.0	-0.07	0.01
139	83	0.05	0.03	-8.42e-05	0.0	0.0	-10.41	-9.10e-03	-6.31e-03	0.0	0.03	0.04
		0.04	0.03	-6.07e-06	0.0	120.0	-9.69	-9.10e-03	-6.31e-03	0.0	0.03	0.05
139	84	-0.03	-0.02	8.32e-05	0.0	0.0	-7.43	0.01	5.35e-03	0.0	-0.02	-0.03
		-0.04	-0.03	-3.17e-06	0.0	120.0	-6.71	0.01	5.35e-03	0.0	-0.03	-0.04
139	85	0.04	0.03	-7.89e-05	0.0	0.0	-11.16	-5.77e-03	-3.54e-03	0.0	0.03	0.04
		0.04	0.03	-1.62e-05	0.0	120.0	-10.45	-5.77e-03	-3.54e-03	0.0	0.03	0.04
139	86	-0.03	-0.02	7.78e-05	0.0	0.0	-6.67	7.08e-03	2.59e-03	0.0	-0.02	-0.03
		-0.03	-0.02	6.97e-06	0.0	120.0	-5.96	7.08e-03	2.59e-03	0.0	-0.02	-0.03
139	95	0.39	0.54	-2.34e-04	0.0	0.0	-109.42	-0.34	-0.36	0.0	0.54	0.39
		-8.20e-03	0.12	2.76e-03	0.0	120.0	-108.71	-0.34	-0.36	0.0	0.12	-8.20e-03
139	98	0.02	-0.11	2.33e-04	0.0	0.0	91.59	0.35	0.36	0.0	-0.53	-0.39
		-0.39	-0.53	-2.77e-03	0.0	120.0	92.30	0.35	0.36	0.0	-0.11	0.02
139	99	0.39	0.54	-2.32e-04	0.0	0.0	-109.73	-0.34	-0.36	0.0	0.54	0.39
		-0.01	0.12	2.75e-03	0.0	120.0	-109.01	-0.34	-0.36	0.0	0.12	-0.01
139	102	0.02	-0.11	2.31e-04	0.0	0.0	91.90	0.34	0.36	0.0	-0.53	-0.38
		-0.38	-0.53	-2.76e-03	0.0	120.0	92.61	0.34	0.36	0.0	-0.11	0.02
140	2	0.02	0.04	-3.98e-06	0.0	0.0	-26.43	0.08	0.14	1.38e-04	-0.11	-0.07
		-0.07	-0.11	-6.79e-05	0.0	109.0	-25.59	0.08	0.14	1.38e-04	0.04	0.02
140	5	0.05	0.08	5.38e-06	0.0	0.0	-18.89	0.05	0.09	9.39e-05	-0.02	-0.01
		-0.01	-0.02	-8.48e-05	0.0	109.0	-18.05	0.05	0.09	9.39e-05	0.08	0.05
140	7	0.05	0.08	5.78e-06	0.0	0.0	-13.85	0.05	0.09	8.93e-05	-0.01	-5.93e-03
		-5.93e-03	-0.01	-8.39e-05	0.0	109.0	-13.20	0.05	0.09	8.93e-05	0.08	0.05
140	10	0.02	0.03	-2.83e-06	0.0	0.0	-19.86	0.06	0.09	9.39e-05	-0.07	-0.05
		-0.05	-0.07	-4.57e-05	0.0	109.0	-19.22	0.06	0.09	9.39e-05	0.03	0.02
140	11	0.03	0.05	3.41e-06	0.0	0.0	-14.84	0.04	0.06	6.47e-05	-0.01	-9.29e-03
		-9.29e-03	-0.01	-5.69e-05	0.0	109.0	-14.19	0.04	0.06	6.47e-05	0.05	0.03
140	14	-9.37e-04	-4.14e-03	-3.50e-06	0.0	0.0	-18.93	0.03	0.04	3.99e-05	-0.05	-0.03
		-0.03	-0.05	-8.21e-06	0.0	109.0	-18.28	0.03	0.04	3.99e-05	-4.14e-03	-9.37e-04
140	15	6.86e-03	7.72e-03	0.0	0.0	0.0	-16.42	0.02	0.02	2.53e-05	-0.02	-0.01
		-0.01	-0.02	-1.39e-05	0.0	109.0	-15.77	0.02	0.02	2.53e-05	7.72e-03	6.86e-03
140	17	7.79e-04	-3.65e-03	-1.33e-06	0.0	0.0	-16.81	0.02	0.01	1.55e-05	-0.02	-0.02
		-0.02	-0.02	-3.08e-06	0.0	109.0	-16.17	0.02	0.01	1.55e-05	-3.65e-03	7.79e-04
140	18	-2.51e-04	-3.94e-03	-2.63e-06	0.0	0.0	-18.09	0.02	0.03	3.01e-05	-0.04	-0.03
		-0.03	-0.04	-6.15e-06	0.0	109.0	-17.44	0.02	0.03	3.01e-05	-3.94e-03	-2.51e-04
140	28	3.52	0.83	1.71e-03	0.0	0.0	153.53	3.71	0.80	1.08e-03	-0.03	-0.52
		-0.52	-0.03	-1.17e-04	0.0	109.0	154.18	3.71	0.80	1.08e-03	0.83	3.52
140	29	0.47	-0.04	-1.72e-03	0.0	0.0	-189.70	-3.66	-0.74	-1.02e-03	-0.04	0.47
		-3.52	-0.83	1.04e-04	0.0	109.0	-189.05	-3.66	-0.74	-1.02e-03	-0.83	-3.52
140	60	2.57	0.61	1.24e-03	0.0	0.0	107.12	2.71	0.60	7.90e-04	-0.03	-0.39
		-0.39	-0.03	-9.13e-05	0.0	109.0	107.77	2.71	0.60	7.90e-04	0.61	2.57
140	61	0.33	-0.04	-1.25e-03	0.0	0.0	-143.30	-2.66	-0.54	-7.30e-04	-0.04	0.33
		-2.57	-0.61	7.90e-05	0.0	109.0	-142.65	-2.66	-0.54	-7.30e-04	-0.61	-2.57
140	83	-0.04	-0.06	-4.86e-06	0.0	0.0	-23.69	-0.01	-0.08	5.70e-05	-0.06	-0.04
		-0.05	-0.12	8.88e-05	0.0	109.0	-23.04	-0.01	-0.08	5.70e-05	-0.12	-0.05
140	84	0.05	0.11	0.0	0.0	0.0	-12.48	0.06	0.14	3.27e-06	-9.91e-03	-0.02
		-0.02	-9.91e-03	-1.01e-04	0.0	109.0	-11.84	0.06	0.14	3.27e-06	0.11	0.05
140	96	4.20	0.99	2.04e-03	0.0	0.0	186.73	4.42	0.95	1.28e-03	-0.03	-0.62
		-0.62	-0.03	-1.36e-04	0.0	109.0	187.38	4.42	0.95	1.28e-03	0.99	4.20
140	97	0.56	-0.04	-2.05e-03	0.0	0.0	-222.90	-4.38	-0.89	-1.22e-03	-0.04	0.56
		-4.21	-0.99	1.24e-04	0.0	109.0	-222.25	-4.38	-0.89	-1.22e-03	-0.99	-4.21
142	2	0.01	0.15	0.0	0.0	0.0	-73.30	-1.27e-03	-0.27	0.0	0.15	0.01
		0.01	-0.06	6.13e-06	0.0	80.0	-72.67	-1.27e-03	-0.27	0.0	-0.06	0.01
142	3	-2.59e-03	0.15	0.0	0.0	0.0	-24.96	2.40e-04	-0.21	0.0	0.15	-2.78e-03
		-2.78e-03	-0.01	7.44e-06	0.0	80.0	-24.47	2.40e-04	-0.21	0.0	-0.01	-2.59e-03
142	5	-5.74e-03	0.25	0.0	0.0	0.0	-32.67	5.32e-04	-0.34	0.0	0.25	-6.17e-03
		-6.17e-03	-0.02	1.24e-05	0.0	80.0	-32.04	5.32e-04	-0.34	0.0	-0.02	-5.74e-03
142	7	-6.91e-03	0.25	0.0	0.0	0.0	-25.38	6.40e-04	-0.33	0.0	0.25	-7.42e-03
		-7.42e-03	-0.01	1.24e-05	0.0	80.0	-24.89	6.40e-04	-0.33	0.0	-0.01	-6.91e-03
142	9	-4.31e-04	0.10	0.0	0.0	0.0	-24.74	3.99e-05	-0.15	0.0	0.10	-4.63e-04
		-4.63e-04	-0.01	4.98e-06	0.0	80.0	-24.26	3.99e-05	-0.15	0.0	-0.01	-4.31e-04
142	10	0.01	0.10	0.0	0.0	0.0	-52.11	-8.97e-04	-0.18	0.0	0.10	0.01
		9.68e-03	-0.04	4.10e-06	0.0	80.0	-51.62	-8.97e-04	-0.18	0.0	-0.04	9.68e-03
142	11	-3.31e-03	0.17	0.0	0.0	0.0	-25.03	3.07e-04	-0.23	0.0	0.17	-3.56e-03
		-3.56e-03	-0.01	8.26e-06	0.0	80.0	-24.54	3.07e-04	-0.23	0.0	-0.01	-3.31e-03

142	13	4.18e-03	6.89e-03	0.0	0.0	0.0	-24.32	-3.60e-04	-0.02	0.0	6.89e-03	4.18e-03
		3.89e-03	-0.01	0.0	0.0	80.0	-23.83	-3.60e-04	-0.02	0.0	-0.01	3.89e-03
142	14	9.61e-03	6.27e-03	0.0	0.0	0.0	-38.00	-8.28e-04	-0.04	0.0	6.27e-03	9.61e-03
		8.95e-03	-0.03	0.0	0.0	80.0	-37.52	-8.28e-04	-0.04	0.0	-0.03	8.95e-03
142	15	2.63e-03	0.04	0.0	0.0	0.0	-24.46	-2.27e-04	-0.06	0.0	0.04	2.63e-03
		2.45e-03	-0.01	1.70e-06	0.0	80.0	-23.97	-2.27e-04	-0.06	0.0	-0.01	2.45e-03
142	17	4.18e-03	6.89e-03	0.0	0.0	0.0	-24.32	-3.60e-04	-0.02	0.0	6.89e-03	4.18e-03
		3.89e-03	-0.01	0.0	0.0	80.0	-23.83	-3.60e-04	-0.02	0.0	-0.01	3.89e-03
142	18	7.44e-03	6.52e-03	0.0	0.0	0.0	-32.53	-6.41e-04	-0.03	0.0	6.52e-03	7.44e-03
		6.92e-03	-0.02	0.0	0.0	80.0	-32.04	-6.41e-04	-0.03	0.0	-0.02	6.92e-03
142	24	-8.26	0.47	-2.50e-04	0.0	0.0	-33.91	2.03	-0.61	0.0	0.47	-9.87
		-9.87	-0.03	2.31e-05	0.0	80.0	-33.42	2.03	-0.61	0.0	-0.03	-8.26
142	25	9.88	-0.02	2.50e-04	0.0	0.0	-31.15	-2.03	0.54	0.0	-0.45	9.88
		8.27	-0.45	-2.35e-05	0.0	80.0	-30.67	-2.03	0.54	0.0	-0.02	8.27
142	32	-10.00	0.33	-3.05e-04	0.0	0.0	-32.13	2.64	-0.45	0.0	0.33	-12.11
		-12.11	-0.03	1.62e-05	0.0	80.0	-31.64	2.64	-0.45	0.0	-0.03	-10.00
142	33	12.13	-0.01	3.06e-04	0.0	0.0	-32.93	-2.65	0.38	0.0	-0.32	12.13
		10.02	-0.32	-1.66e-05	0.0	80.0	-32.44	-2.65	0.38	0.0	-0.01	10.02
142	47	-2.88	-7.06e-03	-8.77e-05	0.0	0.0	-30.41	0.74	0.30	0.0	-0.26	-3.47
		-3.47	-0.26	-1.34e-05	0.0	80.0	-29.92	0.74	0.30	0.0	-7.06e-03	-2.88
142	50	3.49	0.27	8.81e-05	0.0	0.0	-34.65	-0.74	-0.37	0.0	0.27	3.49
		2.90	-0.04	1.30e-05	0.0	80.0	-34.16	-0.74	-0.37	0.0	-0.04	2.90
142	64	-7.28	0.26	-2.22e-04	0.0	0.0	-32.30	1.93	-0.35	0.0	0.26	-8.82
		-8.82	-0.03	1.25e-05	0.0	80.0	-31.82	1.93	-0.35	0.0	-0.03	-7.28
142	65	8.84	-0.02	2.23e-04	0.0	0.0	-32.76	-1.93	0.28	0.0	-0.25	8.84
		7.30	-0.25	-1.29e-05	0.0	80.0	-32.27	-1.93	0.28	0.0	-0.02	7.30
142	76	-1.87	0.37	-5.70e-05	0.0	0.0	-34.27	0.48	-0.50	0.0	0.37	-2.26
		-2.26	-0.03	1.83e-05	0.0	80.0	-33.78	0.48	-0.50	0.0	-0.03	-1.87
142	77	2.27	-9.06e-03	5.73e-05	0.0	0.0	-30.79	-0.49	0.43	0.0	-0.36	2.27
		1.89	-0.36	-1.87e-05	0.0	80.0	-30.30	-0.49	0.43	0.0	-9.06e-03	1.89
142	79	-2.09	-9.92e-03	-6.35e-05	0.0	0.0	-30.76	0.53	0.27	0.0	-0.23	-2.52
		-2.52	-0.23	-1.22e-05	0.0	80.0	-30.28	0.53	0.27	0.0	-9.92e-03	-2.09
142	82	2.53	0.25	6.39e-05	0.0	0.0	-34.30	-0.53	-0.34	0.0	0.25	2.53
		2.10	-0.03	1.18e-05	0.0	80.0	-33.81	-0.53	-0.34	0.0	-0.03	2.10
142	85	0.11	-0.01	2.72e-06	0.0	0.0	-31.13	-0.04	0.30	0.0	-0.25	0.11
		0.08	-0.25	-1.32e-05	0.0	80.0	-30.64	-0.04	0.30	0.0	-0.01	0.08
142	86	-0.07	0.27	-2.33e-06	0.0	0.0	-33.93	0.04	-0.37	0.0	0.27	-0.10
		-0.10	-0.03	1.28e-05	0.0	80.0	-33.44	0.04	-0.37	0.0	-0.03	-0.07
142	92	-9.89	0.55	-2.99e-04	0.0	0.0	-34.16	2.42	-0.72	0.0	0.55	-11.81
		-11.81	-0.03	2.74e-05	0.0	80.0	-33.67	2.42	-0.72	0.0	-0.03	-9.89
142	93	11.82	-0.01	2.99e-04	0.0	0.0	-30.91	-2.43	0.65	0.0	-0.54	11.82
		9.90	-0.54	-2.78e-05	0.0	80.0	-30.42	-2.43	0.65	0.0	-0.01	9.90
142	100	-11.94	0.39	-3.64e-04	0.0	0.0	-32.03	3.16	-0.52	0.0	0.39	-14.46
		-14.46	-0.03	1.92e-05	0.0	80.0	-31.54	3.16	-0.52	0.0	-0.03	-11.94
142	101	14.47	-0.01	3.65e-04	0.0	0.0	-33.03	-3.16	0.45	0.0	-0.38	14.47
		11.96	-0.38	-1.96e-05	0.0	80.0	-32.54	-3.16	0.45	0.0	-0.01	11.96
142	115	-3.45	-4.52e-03	-1.05e-04	0.0	0.0	-30.07	0.88	0.35	0.0	-0.29	-4.15
		-4.15	-0.29	-1.51e-05	0.0	80.0	-29.58	0.88	0.35	0.0	-4.52e-03	-3.45
142	118	4.17	0.30	1.05e-04	0.0	0.0	-34.99	-0.89	-0.42	0.0	0.30	4.17
		3.46	-0.04	1.46e-05	0.0	80.0	-34.50	-0.89	-0.42	0.0	-0.04	3.46
143	2	0.01	-0.07	0.0	0.0	0.0	-8.05	-1.27e-03	0.04	0.0	-0.10	0.01
		0.01	-0.10	-6.79e-06	0.0	80.0	-7.41	-1.27e-03	0.04	0.0	-0.07	0.01
143	4	0.01	-0.06	0.0	0.0	0.0	-4.04	-1.16e-03	0.03	0.0	-0.09	0.01
		0.01	-0.09	-6.21e-06	0.0	80.0	-3.55	-1.16e-03	0.03	0.0	-0.06	0.01
143	5	-5.78e-03	0.18	0.0	0.0	0.0	-18.45	5.35e-04	-0.26	0.0	0.18	-6.21e-03
		-6.21e-03	-0.02	8.86e-06	0.0	80.0	-17.81	5.35e-04	-0.26	0.0	-0.02	-5.78e-03
143	7	-6.94e-03	0.19	0.0	0.0	0.0	-14.44	6.43e-04	-0.26	0.0	0.19	-7.45e-03
		-7.45e-03	-0.02	9.44e-06	0.0	80.0	-13.95	6.43e-04	-0.26	0.0	-0.02	-6.94e-03
143	10	0.01	-0.05	0.0	0.0	0.0	-7.15	-8.95e-04	0.03	0.0	-0.07	0.01
		9.66e-03	-0.07	-4.79e-06	0.0	80.0	-6.66	-8.95e-04	0.03	0.0	-0.05	9.66e-03
143	11	-3.34e-03	0.12	0.0	0.0	0.0	-14.08	3.09e-04	-0.17	0.0	0.12	-3.59e-03
		-3.59e-03	-0.02	5.65e-06	0.0	80.0	-13.59	3.09e-04	-0.17	0.0	-0.02	-3.34e-03
143	14	9.58e-03	-0.03	0.0	0.0	0.0	-10.05	-8.26e-04	0.09	0.0	-0.10	9.58e-03
		8.92e-03	-0.10	-5.65e-06	0.0	80.0	-9.56	-8.26e-04	0.09	0.0	-0.03	8.92e-03
143	15	2.60e-03	-2.35e-03	0.0	0.0	0.0	-13.51	-2.24e-04	-0.01	0.0	-2.35e-03	2.60e-03
		2.42e-03	-0.01	0.0	0.0	80.0	-13.03	-2.24e-04	-0.01	0.0	-0.01	2.42e-03
143	17	4.15e-03	-0.01	0.0	0.0	0.0	-13.37	-3.57e-04	0.03	0.0	-0.03	4.15e-03
		3.86e-03	-0.03	-1.95e-06	0.0	80.0	-12.88	-3.57e-04	0.03	0.0	-0.01	3.86e-03
143	18	7.41e-03	-0.02	0.0	0.0	0.0	-11.38	-6.39e-04	0.06	0.0	-0.07	7.41e-03
		6.90e-03	-0.07	-4.17e-06	0.0	80.0	-10.89	-6.39e-04	0.06	0.0	-0.02	6.90e-03
143	19	-8.22	-0.01	-2.48e-04	0.0	0.0	-12.87	2.01	0.64	0.0	-0.52	-9.81
		-9.81	-0.52	-2.69e-05	0.0	80.0	-12.38	2.01	0.64	0.0	-0.01	-8.22
143	22	9.82	0.38	2.49e-04	0.0	0.0	-9.88	-2.01	-0.52	0.0	0.38	9.82
		8.23	-0.03	1.86e-05	0.0	80.0	-9.40	-2.01	-0.52	0.0	-0.03	8.23
143	32	-10.00	-0.02	-3.05e-04	0.0	0.0	-11.97	2.64	0.25	0.0	-0.22	-12.11

		-12.11	-0.22	-1.20e-05	0.0	80.0	-11.48	2.64	0.25	0.0	-0.02	-10.00
143	33	12.13	0.08	3.06e-04	0.0	0.0	-10.79	-2.65	-0.13	0.0	0.08	12.13
		10.02	-0.02	3.62e-06	0.0	80.0	-10.30	-2.65	-0.13	0.0	-0.02	10.02
143	39	-2.95	5.26e-03	-8.99e-05	0.0	0.0	-13.71	0.77	0.57	0.0	-0.45	-3.56
		-3.56	-0.45	-2.31e-05	0.0	80.0	-13.22	0.77	0.57	0.0	5.26e-03	-2.95
143	42	3.58	0.31	9.03e-05	0.0	0.0	-9.04	-0.77	-0.44	0.0	0.31	3.58
		2.97	-0.05	1.47e-05	0.0	80.0	-8.55	-0.77	-0.44	0.0	-0.05	2.97
143	64	-7.28	-0.02	-2.22e-04	0.0	0.0	-11.74	1.93	0.19	0.0	-0.17	-8.82
		-8.82	-0.17	-9.27e-06	0.0	80.0	-11.26	1.93	0.19	0.0	-0.02	-7.28
143	65	8.84	0.03	2.23e-04	0.0	0.0	-11.01	-1.93	-0.06	0.0	0.03	8.84
		7.30	-0.02	0.0	0.0	80.0	-10.52	-1.93	-0.06	0.0	-0.02	7.30
143	67	-1.76	5.89e-04	-5.31e-05	0.0	0.0	-13.32	0.42	0.53	0.0	-0.43	-2.10
		-2.10	-0.43	-2.17e-05	0.0	80.0	-12.84	0.42	0.53	0.0	5.89e-04	-1.76
143	70	2.11	0.28	5.35e-05	0.0	0.0	-9.43	-0.42	-0.41	0.0	0.28	2.11
		1.77	-0.04	1.34e-05	0.0	80.0	-8.94	-0.42	-0.41	0.0	-0.04	1.77
143	71	-2.14	7.12e-04	-6.52e-05	0.0	0.0	-13.35	0.56	0.49	0.0	-0.40	-2.59
		-2.59	-0.40	-2.03e-05	0.0	80.0	-12.86	0.56	0.49	0.0	7.12e-04	-2.14
143	74	2.60	0.26	6.56e-05	0.0	0.0	-9.40	-0.56	-0.37	0.0	0.26	2.60
		2.16	-0.04	1.19e-05	0.0	80.0	-8.91	-0.56	-0.37	0.0	-0.04	2.16
143	83	0.05	-2.47e-03	1.16e-06	0.0	0.0	-12.95	-0.02	0.39	0.0	-0.32	0.05
		0.03	-0.32	-1.64e-05	0.0	80.0	-12.47	-0.02	0.39	0.0	-2.47e-03	0.03
143	84	-0.02	0.18	0.0	0.0	0.0	-9.80	0.02	-0.27	0.0	0.18	-0.02
		-0.03	-0.04	8.09e-06	0.0	80.0	-9.31	0.02	-0.27	0.0	-0.04	-0.02
143	85	0.11	-8.25e-03	2.72e-06	0.0	0.0	-12.50	-0.04	0.32	0.0	-0.26	0.11
		0.08	-0.26	-1.36e-05	0.0	80.0	-12.01	-0.04	0.32	0.0	-8.25e-03	0.08
143	86	-0.07	0.12	-2.33e-06	0.0	0.0	-10.26	0.04	-0.19	0.0	0.12	-0.07
		-0.10	-0.03	5.29e-06	0.0	80.0	-9.77	0.04	-0.19	0.0	-0.03	-0.10
143	87	-9.84	-8.04e-03	-2.97e-04	0.0	0.0	-13.13	2.40	0.75	0.0	-0.61	-11.74
		-11.74	-0.61	-3.11e-05	0.0	80.0	-12.65	2.40	0.75	0.0	-8.04e-03	-9.84
143	90	11.76	0.47	2.98e-04	0.0	0.0	-9.62	-2.40	-0.62	0.0	0.47	11.76
		9.85	-0.04	2.28e-05	0.0	80.0	-9.13	-2.40	-0.62	0.0	-0.04	9.85
143	100	-11.94	-0.02	-3.64e-04	0.0	0.0	-12.11	3.16	0.30	0.0	-0.26	-14.46
		-14.46	-0.26	-1.37e-05	0.0	80.0	-11.62	3.16	0.30	0.0	-0.02	-11.94
143	101	14.47	0.12	3.65e-04	0.0	0.0	-10.65	-3.16	-0.17	0.0	0.12	14.47
		11.96	-0.02	5.36e-06	0.0	80.0	-10.16	-3.16	-0.17	0.0	-0.02	11.96
143	107	-3.53	9.62e-03	-1.07e-04	0.0	0.0	-14.07	0.92	0.64	0.0	-0.51	-4.26
		-4.26	-0.51	-2.58e-05	0.0	80.0	-13.58	0.92	0.64	0.0	9.62e-03	-3.53
143	110	4.27	0.37	1.08e-04	0.0	0.0	-8.68	-0.92	-0.52	0.0	0.37	4.27
		3.54	-0.05	1.75e-05	0.0	80.0	-8.20	-0.92	-0.52	0.0	-0.05	3.54
147	2	0.03	0.01	2.20e-05	0.0	0.0	-19.87	0.09	0.05	0.0	-0.05	-0.07
		-0.07	-0.05	-6.71e-06	0.0	109.0	-19.03	0.09	0.05	0.0	0.01	0.03
147	5	0.05	0.02	4.48e-05	0.0	0.0	-16.97	0.15	0.08	0.0	-0.06	-0.11
		-0.11	-0.06	4.54e-06	0.0	109.0	-16.13	0.15	0.08	0.0	0.02	0.05
147	6	0.05	0.02	4.17e-05	0.0	0.0	-18.05	0.15	0.08	0.0	-0.07	-0.11
		-0.11	-0.07	-1.07e-06	0.0	109.0	-17.21	0.15	0.08	0.0	0.02	0.05
147	7	0.05	0.02	4.51e-05	0.0	0.0	-12.27	0.15	0.08	0.0	-0.06	-0.11
		-0.11	-0.06	5.36e-06	0.0	109.0	-11.63	0.15	0.08	0.0	0.02	0.05
147	10	0.02	8.12e-03	1.45e-05	0.0	0.0	-15.34	0.06	0.04	0.0	-0.03	-0.05
		-0.05	-0.03	-4.84e-06	0.0	109.0	-14.69	0.06	0.04	0.0	8.12e-03	0.02
147	11	0.04	0.02	2.98e-05	0.0	0.0	-13.40	0.10	0.05	0.0	-0.04	-0.07
		-0.07	-0.04	2.66e-06	0.0	109.0	-12.76	0.10	0.05	0.0	0.02	0.04
147	12	0.03	0.01	2.77e-05	0.0	0.0	-14.12	0.10	0.06	0.0	-0.05	-0.07
		-0.07	-0.05	-1.08e-06	0.0	109.0	-13.48	0.10	0.06	0.0	0.01	0.03
147	14	1.41e-03	1.26e-03	-2.26e-06	0.0	0.0	-16.18	4.54e-03	6.87e-03	0.0	-6.24e-03	-3.54e-03
		-3.54e-03	-6.24e-03	-5.40e-06	0.0	109.0	-15.53	4.54e-03	6.87e-03	0.0	1.26e-03	1.41e-03
147	15	0.01	5.37e-03	5.36e-06	0.0	0.0	-15.21	0.02	0.01	0.0	-0.01	-0.02
		-0.02	-0.01	-1.66e-06	0.0	109.0	-14.57	0.02	0.01	0.0	5.37e-03	0.01
147	16	8.82e-03	4.55e-03	4.45e-06	0.0	0.0	-15.52	0.02	0.02	0.0	-0.01	-0.02
		-0.02	-0.01	-3.26e-06	0.0	109.0	-14.87	0.02	0.02	0.0	4.55e-03	8.82e-03
147	17	3.46e-03	2.63e-03	0.0	0.0	0.0	-15.67	4.21e-03	5.03e-03	0.0	-2.85e-03	-1.12e-03
		-1.12e-03	-2.85e-03	-2.73e-06	0.0	109.0	-15.02	4.21e-03	5.03e-03	0.0	2.63e-03	3.46e-03
147	18	2.23e-03	1.81e-03	-1.65e-06	0.0	0.0	-15.97	4.41e-03	6.14e-03	0.0	-4.88e-03	-2.57e-03
		-2.57e-03	-4.88e-03	-4.34e-06	0.0	109.0	-15.33	4.41e-03	6.14e-03	0.0	1.81e-03	2.23e-03
147	28	0.59	1.91	-4.15e-05	0.0	0.0	-172.67	0.92	4.03	0.0	-2.48	-0.41
		-0.41	-2.48	1.72e-03	0.0	109.0	-172.02	0.92	4.03	0.0	1.91	0.59
147	29	0.40	2.47	3.82e-05	0.0	0.0	140.72	-0.91	-4.02	0.0	2.47	0.40
		-0.59	-1.91	-1.73e-03	0.0	109.0	141.37	-0.91	-4.02	0.0	-1.91	-0.59
147	31	0.59	1.92	-1.01e-04	0.0	0.0	-177.42	0.85	4.01	0.0	-2.45	-0.34
		-0.34	-2.45	1.71e-03	0.0	109.0	-176.77	0.85	4.01	0.0	1.92	0.59
147	32	0.60	1.92	-4.50e-05	0.0	0.0	-172.44	0.92	4.03	0.0	-2.48	-0.41
		-0.41	-2.48	1.72e-03	0.0	109.0	-171.79	0.92	4.03	0.0	1.92	0.60
147	33	0.40	2.47	4.17e-05	0.0	0.0	140.49	-0.91	-4.02	0.0	2.47	0.40
		-0.60	-1.91	-1.73e-03	0.0	109.0	141.14	-0.91	-4.02	0.0	-1.91	-0.60
147	34	0.33	2.44	9.80e-05	0.0	0.0	145.47	-0.84	-4.00	0.0	2.44	0.33
		-0.58	-1.91	-1.72e-03	0.0	109.0	146.12	-0.84	-4.00	0.0	-1.91	-0.58

147	60	0.43	1.39	-2.39e-05	0.0	0.0	-129.66	0.67	2.94	0.0	-1.81	-0.30
		-0.30	-1.81	1.25e-03	0.0	109.0	-129.02	0.67	2.94	0.0	1.39	0.43
147	61	0.29	1.80	2.06e-05	0.0	0.0	97.72	-0.66	-2.93	0.0	1.80	0.29
		-0.43	-1.39	-1.26e-03	0.0	109.0	98.36	-0.66	-2.93	0.0	-1.39	-0.43
147	63	0.43	1.39	-7.75e-05	0.0	0.0	-133.85	0.62	2.92	0.0	-1.78	-0.24
		-0.24	-1.78	1.25e-03	0.0	109.0	-133.20	0.62	2.92	0.0	1.39	0.43
147	64	0.44	1.40	-2.70e-05	0.0	0.0	-129.47	0.68	2.94	0.0	-1.81	-0.30
		-0.30	-1.81	1.25e-03	0.0	109.0	-128.82	0.68	2.94	0.0	1.40	0.44
147	65	0.29	1.80	2.37e-05	0.0	0.0	97.52	-0.67	-2.92	0.0	1.80	0.29
		-0.44	-1.39	-1.26e-03	0.0	109.0	98.17	-0.67	-2.92	0.0	-1.39	-0.44
147	66	0.24	1.78	7.42e-05	0.0	0.0	101.90	-0.61	-2.91	0.0	1.78	0.24
		-0.42	-1.39	-1.25e-03	0.0	109.0	102.54	-0.61	-2.91	0.0	-1.39	-0.42
147	83	0.08	0.03	-8.67e-05	0.0	0.0	-21.95	-0.07	-0.02	0.0	0.03	0.08
		6.95e-03	0.02	-6.53e-06	0.0	109.0	-21.30	-0.07	-0.02	0.0	0.02	6.95e-03
147	84	-2.49e-03	-0.01	8.34e-05	0.0	0.0	-10.00	0.08	0.04	0.0	-0.01	-0.09
		-0.09	-0.04	-2.14e-06	0.0	109.0	-9.35	0.08	0.04	0.0	-0.04	-2.49e-03
147	85	0.08	0.03	-7.74e-05	0.0	0.0	-22.54	-0.08	-0.02	0.0	0.03	0.08
		-0.02	1.45e-04	-1.34e-05	0.0	109.0	-21.89	-0.08	-0.02	0.0	1.45e-04	-0.02
147	86	0.02	3.47e-03	7.41e-05	0.0	0.0	-9.41	0.09	0.03	0.0	-0.04	-0.09
		-0.09	-0.04	4.72e-06	0.0	109.0	-8.76	0.09	0.03	0.0	3.47e-03	0.02
147	96	0.71	2.28	-5.17e-05	0.0	0.0	-203.22	1.09	4.81	0.0	-2.96	-0.48
		-0.48	-2.96	2.05e-03	0.0	109.0	-202.57	1.09	4.81	0.0	2.28	0.71
147	97	0.48	2.95	4.84e-05	0.0	0.0	171.27	-1.09	-4.80	0.0	2.95	0.48
		-0.70	-2.28	-2.06e-03	0.0	109.0	171.92	-1.09	-4.80	0.0	-2.28	-0.70
147	99	0.70	2.29	-1.19e-04	0.0	0.0	-208.62	1.02	4.79	0.0	-2.93	-0.41
		-0.41	-2.93	2.05e-03	0.0	109.0	-207.97	1.02	4.79	0.0	2.29	0.70
147	100	0.72	2.29	-5.57e-05	0.0	0.0	-202.96	1.10	4.81	0.0	-2.96	-0.48
		-0.48	-2.96	2.06e-03	0.0	109.0	-202.31	1.10	4.81	0.0	2.29	0.72
147	101	0.48	2.95	5.23e-05	0.0	0.0	171.01	-1.09	-4.80	0.0	2.95	0.48
		-0.72	-2.29	-2.06e-03	0.0	109.0	171.66	-1.09	-4.80	0.0	-2.29	-0.72
147	102	0.40	2.92	1.16e-04	0.0	0.0	176.67	-1.01	-4.77	0.0	2.92	0.40
		-0.70	-2.28	-2.06e-03	0.0	109.0	177.32	-1.01	-4.77	0.0	-2.28	-0.70
159	2	-0.03	0.53	-1.03e-06	0.0	0.0	-53.50	8.28e-03	0.56	0.0	0.08	-0.04
		-0.04	0.08	1.76e-05	0.0	80.0	-52.86	8.28e-03	0.56	0.0	0.53	-0.03
159	3	-0.01	0.28	0.0	0.0	0.0	-31.81	2.15e-03	-0.23	0.0	0.28	-0.01
		-0.01	0.09	1.62e-05	0.0	80.0	-31.32	2.15e-03	-0.23	0.0	0.09	-0.01
159	4	-0.03	0.51	-1.01e-06	0.0	0.0	-47.71	8.02e-03	0.57	0.0	0.05	-0.04
		-0.04	0.05	1.54e-05	0.0	80.0	-47.22	8.02e-03	0.57	0.0	0.51	-0.03
159	6	-0.03	0.42	-1.02e-06	0.0	0.0	-57.07	7.37e-03	0.19	0.0	0.26	-0.04
		-0.04	0.26	2.38e-05	0.0	80.0	-56.44	7.37e-03	0.19	0.0	0.42	-0.03
159	9	-8.78e-03	0.22	0.0	0.0	0.0	-27.63	1.73e-03	-0.17	0.0	0.22	-0.01
		-0.01	0.08	1.33e-05	0.0	80.0	-27.15	1.73e-03	-0.17	0.0	0.08	-8.78e-03
159	10	-0.02	0.36	0.0	0.0	0.0	-38.24	5.64e-03	0.37	0.0	0.07	-0.03
		-0.03	0.07	1.27e-05	0.0	80.0	-37.75	5.64e-03	0.37	0.0	0.36	-0.02
159	12	-0.02	0.29	0.0	0.0	0.0	-40.62	5.03e-03	0.12	0.0	0.19	-0.03
		-0.03	0.19	1.68e-05	0.0	80.0	-40.13	5.03e-03	0.12	0.0	0.29	-0.02
159	13	-2.28e-03	0.11	0.0	0.0	0.0	-19.29	8.81e-04	-0.05	0.0	0.11	-2.98e-03
		-2.98e-03	0.07	7.34e-06	0.0	80.0	-18.80	8.81e-04	-0.05	0.0	0.07	-2.28e-03
159	14	-9.44e-03	0.21	0.0	0.0	0.0	-24.59	2.84e-03	0.22	0.0	0.03	-0.01
		-0.01	0.03	7.06e-06	0.0	80.0	-24.10	2.84e-03	0.22	0.0	0.21	-9.44e-03
159	16	-8.74e-03	0.16	0.0	0.0	0.0	-25.25	2.34e-03	0.07	0.0	0.10	-0.01
		-0.01	0.10	9.15e-06	0.0	80.0	-24.76	2.34e-03	0.07	0.0	0.16	-8.74e-03
159	17	-2.28e-03	0.11	0.0	0.0	0.0	-19.29	8.81e-04	-0.05	0.0	0.11	-2.98e-03
		-2.98e-03	0.07	7.34e-06	0.0	80.0	-18.80	8.81e-04	-0.05	0.0	0.07	-2.28e-03
159	18	-6.57e-03	0.16	0.0	0.0	0.0	-22.47	2.05e-03	0.11	0.0	0.06	-8.22e-03
		-8.22e-03	0.06	7.17e-06	0.0	80.0	-21.98	2.05e-03	0.11	0.0	0.16	-6.57e-03
159	19	-17.84	0.05	-5.70e-04	0.0	0.0	36.41	6.49	0.79	0.0	-0.57	-23.02
		-23.02	-0.57	-2.75e-05	0.0	80.0	36.90	6.49	0.79	0.0	0.05	-17.84
159	22	23.00	0.70	5.69e-04	0.0	0.0	-81.34	-6.48	-0.56	0.0	0.70	23.00
		17.82	0.26	4.18e-05	0.0	80.0	-80.86	-6.48	-0.56	0.0	0.26	17.82
159	24	-17.91	0.09	-5.72e-04	0.0	0.0	19.36	6.54	0.58	0.0	-0.38	-23.13
		-23.13	-0.38	-1.69e-05	0.0	80.0	19.85	6.54	0.58	0.0	0.09	-17.91
159	25	23.12	0.50	5.72e-04	0.0	0.0	-64.30	-6.54	-0.35	0.0	0.50	23.12
		17.89	0.22	3.12e-05	0.0	80.0	-63.81	-6.54	-0.35	0.0	0.22	17.89
159	51	-12.95	0.08	-4.14e-04	0.0	0.0	21.85	4.72	0.62	0.0	-0.41	-16.72
		-16.72	-0.41	-1.89e-05	0.0	80.0	22.33	4.72	0.62	0.0	0.08	-12.95
159	54	16.71	0.54	4.13e-04	0.0	0.0	-66.78	-4.72	-0.39	0.0	0.54	16.71
		12.94	0.23	3.33e-05	0.0	80.0	-66.29	-4.72	-0.39	0.0	0.23	12.94
159	56	-13.02	0.11	-4.16e-04	0.0	0.0	6.65	4.76	0.43	0.0	-0.24	-16.82
		-16.82	-0.24	-9.52e-06	0.0	80.0	7.14	4.76	0.43	0.0	0.11	-13.02
159	57	16.81	0.37	4.16e-04	0.0	0.0	-51.58	-4.76	-0.21	0.0	0.37	16.81
		13.00	0.20	2.39e-05	0.0	80.0	-51.09	-4.76	-0.21	0.0	0.20	13.00
159	83	-0.15	0.10	-5.48e-06	0.0	0.0	2.79	0.11	0.42	0.0	-0.22	-0.23
		-0.23	-0.22	-8.59e-06	0.0	80.0	3.27	0.11	0.42	0.0	0.10	-0.15
159	84	0.22	0.35	5.07e-06	0.0	0.0	-47.72	-0.10	-0.19	0.0	0.35	0.22

		0.13	0.21	2.29e-05	0.0	80.0	-47.23	-0.10	-0.19	0.0	0.21	0.13
159	85	0.51	0.12	1.21e-05	0.0	0.0	-2.13	-0.24	0.36	0.0	-0.17	0.51
		0.32	-0.17	-5.33e-06	0.0	80.0	-1.64	-0.24	0.36	0.0	0.12	0.32
159	86	-0.34	0.29	-1.25e-05	0.0	0.0	-42.81	0.24	-0.14	0.0	0.29	-0.53
		-0.53	0.19	1.97e-05	0.0	80.0	-42.32	0.24	-0.14	0.0	0.19	-0.34
159	87	-21.37	0.04	-6.82e-04	0.0	0.0	47.45	7.77	0.91	0.0	-0.69	-27.58
		-27.58	-0.69	-3.39e-05	0.0	80.0	47.94	7.77	0.91	0.0	0.04	-21.37
159	90	27.56	0.82	6.82e-04	0.0	0.0	-92.38	-7.77	-0.69	0.0	0.82	27.56
		21.35	0.27	4.83e-05	0.0	80.0	-91.89	-7.77	-0.69	0.0	0.27	21.35
159	92	-21.45	0.08	-6.85e-04	0.0	0.0	28.18	7.83	0.68	0.0	-0.47	-27.71
		-27.71	-0.47	-2.20e-05	0.0	80.0	28.67	7.83	0.68	0.0	0.08	-21.45
159	93	27.69	0.60	6.85e-04	0.0	0.0	-73.11	-7.82	-0.45	0.0	0.60	27.69
		21.44	0.23	3.63e-05	0.0	80.0	-72.62	-7.82	-0.45	0.0	0.23	21.44
160	2	8.30e-03	0.27	-8.63e-06	0.0	0.0	-45.34	3.29e-03	-0.32	-1.35e-05	0.27	4.35e-03
		4.35e-03	-0.12	7.18e-05	0.0	120.0	-44.39	3.29e-03	-0.32	-1.35e-05	-0.12	8.30e-03
160	3	-1.93e-03	6.58e-03	-4.00e-06	0.0	0.0	-25.70	9.29e-04	0.05	-1.06e-04	-0.06	-3.05e-03
		-3.05e-03	-0.06	5.00e-05	0.0	120.0	-24.97	9.29e-04	0.05	-1.06e-04	6.58e-03	-1.93e-03
160	7	-4.61e-03	0.02	-6.54e-06	0.0	0.0	-27.54	1.55e-03	0.13	-1.75e-04	-0.13	-6.47e-03
		-6.47e-03	-0.13	8.13e-05	0.0	120.0	-26.81	1.55e-03	0.13	-1.75e-04	0.02	-4.61e-03
160	9	-5.89e-04	-2.31e-03	-2.74e-06	0.0	0.0	-24.78	6.21e-04	0.01	-7.22e-05	-0.02	-1.33e-03
		-1.33e-03	-0.02	3.43e-05	0.0	120.0	-24.05	6.21e-04	0.01	-7.22e-05	-2.31e-03	-5.89e-04
160	10	5.81e-03	0.18	-5.78e-06	0.0	0.0	-33.28	2.19e-03	-0.22	-9.56e-06	0.18	3.18e-03
		3.18e-03	-0.08	4.82e-05	0.0	120.0	-32.55	2.19e-03	-0.22	-9.56e-06	-0.08	5.81e-03
160	11	-2.38e-03	9.54e-03	-4.43e-06	0.0	0.0	-26.01	1.03e-03	0.06	-1.18e-04	-0.07	-3.62e-03
		-3.62e-03	-0.07	5.52e-05	0.0	120.0	-25.28	1.03e-03	0.06	-1.18e-04	9.54e-03	-2.38e-03
160	13	2.09e-03	0.05	0.0	0.0	0.0	-22.94	4.52e-06	-0.06	-4.03e-06	0.05	2.09e-03
		2.09e-03	-0.02	2.94e-06	0.0	120.0	-22.21	4.52e-06	-0.06	-4.03e-06	-0.02	2.09e-03
160	14	5.30e-03	0.15	-1.72e-06	0.0	0.0	-27.19	7.90e-04	-0.18	2.73e-05	0.15	4.35e-03
		4.35e-03	-0.06	9.92e-06	0.0	120.0	-26.46	7.90e-04	-0.18	2.73e-05	-0.06	5.30e-03
160	15	1.20e-03	0.03	-1.05e-06	0.0	0.0	-23.56	2.10e-04	-0.04	-2.68e-05	0.03	9.48e-04
		9.48e-04	-0.01	1.34e-05	0.0	120.0	-22.83	2.10e-04	-0.04	-2.68e-05	-0.01	1.20e-03
160	17	2.09e-03	0.05	0.0	0.0	0.0	-22.94	4.52e-06	-0.06	-4.03e-06	0.05	2.09e-03
		2.09e-03	-0.02	2.94e-06	0.0	120.0	-22.21	4.52e-06	-0.06	-4.03e-06	-0.02	2.09e-03
160	18	4.01e-03	0.11	-1.11e-06	0.0	0.0	-25.49	4.76e-04	-0.13	1.48e-05	0.11	3.44e-03
		3.44e-03	-0.04	7.13e-06	0.0	120.0	-24.76	4.76e-04	-0.13	1.48e-05	-0.04	4.01e-03
160	23	8.39	0.43	-3.66e-03	0.0	0.0	45.46	3.75	-0.31	3.07e-03	0.43	3.97
		3.97	0.05	4.50e-05	0.0	120.0	46.19	3.75	-0.31	3.07e-03	0.05	8.39
160	26	-3.97	-0.14	3.66e-03	0.0	0.0	-96.45	-3.75	0.05	-3.04e-03	-0.20	-3.97
		-8.38	-0.20	-3.07e-05	0.0	120.0	-95.71	-3.75	0.05	-3.04e-03	-0.14	-8.38
160	27	5.42	0.45	-3.27e-03	0.0	0.0	55.14	2.93	-0.33	2.68e-03	0.45	2.07
		2.07	0.05	4.06e-05	0.0	120.0	55.87	2.93	-0.33	2.68e-03	0.05	5.42
160	30	-2.06	-0.14	3.27e-03	0.0	0.0	-106.13	-2.93	0.07	-2.65e-03	-0.22	-2.06
		-5.41	-0.22	-2.64e-05	0.0	120.0	-105.40	-2.93	0.07	-2.65e-03	-0.14	-5.41
160	31	5.49	0.44	-3.28e-03	0.0	0.0	55.18	2.87	-0.32	2.64e-03	0.44	2.16
		2.16	0.05	3.96e-05	0.0	120.0	55.91	2.87	-0.32	2.64e-03	0.05	5.49
160	34	-2.15	-0.14	3.28e-03	0.0	0.0	-106.17	-2.87	0.06	-2.61e-03	-0.22	-2.15
		-5.48	-0.22	-2.54e-05	0.0	120.0	-105.44	-2.87	0.06	-2.61e-03	-0.14	-5.48
160	55	6.12	0.35	-2.66e-03	0.0	0.0	26.49	2.72	-0.27	2.25e-03	0.35	2.93
		2.93	0.03	2.82e-05	0.0	120.0	27.22	2.72	-0.27	2.25e-03	0.03	6.12
160	58	-2.93	-0.11	2.66e-03	0.0	0.0	-77.48	-2.72	3.07e-03	-2.22e-03	-0.11	-2.93
		-6.11	-0.12	-1.39e-05	0.0	120.0	-76.75	-2.72	3.07e-03	-2.22e-03	-0.11	-6.11
160	59	3.96	0.36	-2.38e-03	0.0	0.0	33.71	2.14	-0.28	1.98e-03	0.36	1.53
		1.53	0.03	2.52e-05	0.0	120.0	34.44	2.14	-0.28	1.98e-03	0.03	3.96
160	62	-1.53	-0.11	2.38e-03	0.0	0.0	-84.69	-2.14	0.01	-1.95e-03	-0.13	-1.53
		-3.95	-0.13	-1.09e-05	0.0	120.0	-83.96	-2.14	0.01	-1.95e-03	-0.11	-3.95
160	83	0.19	0.22	8.93e-06	0.0	0.0	-17.10	0.05	-0.24	3.97e-04	0.22	0.19
		0.15	-0.06	-9.35e-05	0.0	120.0	-16.37	0.05	-0.24	3.97e-04	-0.06	0.15
160	84	-0.14	6.91e-03	-1.12e-05	0.0	0.0	-33.89	-0.05	-0.03	-3.67e-04	6.91e-03	-0.14
		-0.18	-0.03	1.08e-04	0.0	120.0	-33.16	-0.05	-0.03	-3.67e-04	-0.03	-0.18
160	85	0.43	0.21	-1.34e-05	0.0	0.0	-17.13	-0.11	-0.23	2.86e-04	0.21	0.43
		0.33	-0.06	-9.54e-05	0.0	120.0	-16.40	-0.11	-0.23	2.86e-04	-0.06	0.33
160	86	-0.33	0.01	1.16e-05	0.0	0.0	-33.85	0.11	-0.03	-2.56e-04	0.01	-0.33
		-0.43	-0.03	1.10e-04	0.0	120.0	-33.12	0.11	-0.03	-2.56e-04	-0.03	-0.43
160	91	10.04	0.49	-4.39e-03	0.0	0.0	59.33	4.49	-0.35	3.67e-03	0.49	4.74
		4.74	0.07	5.51e-05	0.0	120.0	60.06	4.49	-0.35	3.67e-03	0.07	10.04
160	94	-4.74	-0.16	4.39e-03	0.0	0.0	-110.32	-4.49	0.08	-3.64e-03	-0.26	-4.74
		-10.03	-0.26	-4.08e-05	0.0	120.0	-109.59	-4.49	0.08	-3.64e-03	-0.16	-10.03
160	95	6.47	0.51	-3.91e-03	0.0	0.0	70.60	3.50	-0.36	3.19e-03	0.51	2.46
		2.46	0.07	4.96e-05	0.0	120.0	71.33	3.50	-0.36	3.19e-03	0.07	6.47
160	98	-2.45	-0.16	3.91e-03	0.0	0.0	-121.58	-3.50	0.10	-3.16e-03	-0.28	-2.45
		-6.46	-0.28	-3.53e-05	0.0	120.0	-120.85	-3.50	0.10	-3.16e-03	-0.16	-6.46
160	99	6.54	0.51	-3.91e-03	0.0	0.0	70.67	3.43	-0.36	3.14e-03	0.51	2.56
		2.56	0.07	4.83e-05	0.0	120.0	71.40	3.43	-0.36	3.14e-03	0.07	6.54
160	102	-2.56	-0.16	3.91e-03	0.0	0.0	-121.65	-3.43	0.10	-3.11e-03	-0.28	-2.56
		-6.54	-0.28	-3.41e-05	0.0	120.0	-120.92	-3.43	0.10	-3.11e-03	-0.16	-6.54

161	1	-0.01	1.16	4.75e-06	0.0	0.0	-25.99	-0.01	-1.21	-2.79e-03	-0.92	-0.01
		-0.05	-1.64	1.14e-03	3.56	360.0	-23.14	-0.01	2.36	-2.79e-03	1.16	-0.05
161	2	-3.25e-03	-0.82	4.84e-05	0.0	0.0	-45.97	3.94e-03	-0.37	-0.01	-5.90	-0.02
		-0.02	-5.96	3.26e-03	3.56	360.0	-43.12	3.94e-03	3.19	-0.01	-0.82	-3.25e-03
161	3	-0.01	1.28	2.91e-06	0.0	0.0	-20.24	-6.55e-03	-1.26	-2.29e-03	-0.61	-0.01
		-0.04	-1.40	1.04e-03	3.56	360.0	-18.05	-6.55e-03	2.31	-2.29e-03	1.28	-0.04
161	4	0.01	-0.70	4.66e-05	0.0	0.0	-40.23	7.83e-03	-0.42	-0.01	-5.59	-0.02
		-0.02	-5.68	3.13e-03	3.56	360.0	-38.03	7.83e-03	3.14	-0.01	-0.70	0.01
161	7	-0.02	2.40	-6.23e-06	0.0	0.0	-20.96	-2.27e-03	-2.21	-2.72e-03	-0.32	-0.02
		-0.03	-1.81	1.53e-03	5.94	360.0	-18.77	-2.27e-03	3.73	-2.72e-03	2.40	-0.03
161	9	-9.46e-03	0.72	4.08e-06	0.0	0.0	-19.88	-8.69e-03	-0.78	-2.08e-03	-0.75	-9.46e-03
		-0.04	-1.20	8.08e-04	2.38	360.0	-17.69	-8.69e-03	1.59	-2.08e-03	0.72	-0.04
161	10	-8.31e-03	-0.60	3.31e-05	0.0	0.0	-33.20	8.97e-04	-0.22	-7.34e-03	-4.07	-0.01
		-0.01	-4.10	2.24e-03	2.38	360.0	-31.01	8.97e-04	2.15	-7.34e-03	-0.60	-8.31e-03
161	11	-0.02	1.46	2.56e-06	0.0	0.0	-20.36	-5.84e-03	-1.42	-2.36e-03	-0.56	-0.02
		-0.04	-1.47	1.12e-03	3.96	360.0	-18.17	-5.84e-03	2.54	-2.36e-03	1.46	-0.04
161	13	6.27e-04	-0.40	7.27e-06	0.0	0.0	-19.16	-0.01	0.17	-1.66e-03	-1.03	6.27e-04
		-0.05	-1.03	4.45e-04	0.0	360.0	-16.97	-0.01	0.17	-1.66e-03	-0.40	-0.05
161	14	-4.12e-04	-1.06	2.20e-05	0.0	0.0	-25.82	-8.18e-03	0.45	-4.28e-03	-2.69	-4.12e-04
		-0.03	-2.69	1.17e-03	0.0	360.0	-23.63	-8.18e-03	0.45	-4.28e-03	-1.06	-0.03
161	15	-2.74e-03	-0.03	6.08e-06	0.0	0.0	-19.40	-0.01	-0.14	-1.80e-03	-0.94	-2.74e-03
		-0.04	-0.98	5.61e-04	0.79	360.0	-17.21	-0.01	0.65	-1.80e-03	-0.03	-0.04
161	17	6.27e-04	-0.40	7.27e-06	0.0	0.0	-19.16	-0.01	0.17	-1.66e-03	-1.03	6.27e-04
		-0.05	-1.03	4.45e-04	0.0	360.0	-16.97	-0.01	0.17	-1.66e-03	-0.40	-0.05
161	18	3.50e-06	-0.80	1.57e-05	0.0	0.0	-23.16	-0.01	0.34	-3.23e-03	-2.03	3.50e-06
		-0.04	-2.03	8.77e-04	0.0	360.0	-20.96	-0.01	0.34	-3.23e-03	-0.80	-0.04
161	20	6.76	-1.29	-7.87e-03	0.0	0.0	-27.21	3.75	0.39	-4.00e-04	-1.95	-6.92
		-6.92	-1.95	1.48e-03	0.0	360.0	-25.02	3.75	0.39	-4.00e-04	-1.29	6.76
161	21	6.92	-0.31	7.91e-03	0.0	0.0	-19.10	-3.77	0.30	-6.07e-03	-2.11	6.92
		-6.83	-2.11	4.10e-04	0.0	360.0	-16.91	-3.77	0.30	-6.07e-03	-0.31	-6.83
161	32	12.74	-1.23	-0.01	0.0	0.0	-26.18	6.12	0.36	-7.93e-04	-1.89	-9.35
		-9.35	-1.89	1.41e-03	0.0	360.0	-23.98	6.12	0.36	-7.93e-04	-1.23	12.74
161	33	9.35	-0.37	0.01	0.0	0.0	-20.13	-6.14	0.33	-5.67e-03	-2.17	9.35
		-12.81	-2.17	4.58e-04	0.0	360.0	-17.94	-6.14	0.33	-5.67e-03	-0.37	-12.81
161	41	2.84	0.64	3.11e-03	0.0	0.0	-19.44	-1.89	-0.11	-3.25e-03	-1.38	2.84
		-4.05	-1.38	-9.02e-04	0.0	360.0	-17.25	-1.89	-0.11	-3.25e-03	0.64	-4.05
161	42	2.75	-2.20	3.10e-03	0.0	0.0	-25.52	-1.77	0.85	-4.79e-03	-2.86	2.75
		-3.59	-2.86	2.18e-03	0.0	360.0	-23.33	-1.77	0.85	-4.79e-03	-2.20	-3.59
161	64	9.30	-1.13	-7.46e-03	0.0	0.0	-25.44	4.46	0.36	-1.47e-03	-1.94	-6.82
		-6.82	-1.94	1.27e-03	0.0	360.0	-23.25	4.46	0.36	-1.47e-03	-1.13	9.30
161	65	6.82	-0.47	7.49e-03	0.0	0.0	-20.87	-4.48	0.32	-4.99e-03	-2.11	6.82
		-9.37	-2.11	5.49e-04	0.0	360.0	-18.68	-4.48	0.32	-4.99e-03	-0.47	-9.37
161	68	1.66	-1.92	-1.71e-03	0.0	0.0	-26.24	0.86	0.70	-3.19e-03	-2.56	-1.55
		-1.55	-2.56	1.97e-03	0.0	360.0	-24.05	0.86	0.70	-3.19e-03	-1.92	1.66
161	69	1.55	0.32	1.74e-03	0.0	0.0	-20.07	-0.88	-0.01	-3.27e-03	-1.50	1.55
		-1.73	-1.50	-5.48e-04	0.0	360.0	-17.87	-0.88	-0.01	-3.27e-03	0.32	-1.73
161	73	2.07	0.32	2.26e-03	0.0	0.0	-20.27	-1.39	-0.01	-3.18e-03	-1.50	2.07
		-3.00	-1.50	-5.43e-04	0.0	360.0	-18.08	-1.39	-0.01	-3.18e-03	0.32	-3.00
161	74	2.00	-1.89	2.26e-03	0.0	0.0	-25.03	-1.29	0.74	-4.43e-03	-2.69	2.00
		-2.59	-2.69	1.87e-03	0.0	360.0	-22.84	-1.29	0.74	-4.43e-03	-1.89	-2.59
161	83	0.03	0.18	2.45e-05	0.0	0.0	-21.04	-0.06	4.29e-03	-2.67e-03	-1.50	0.03
		-0.22	-1.50	-3.56e-04	0.0	360.0	-18.84	-0.06	4.29e-03	-2.67e-03	0.18	-0.22
161	84	0.15	-1.78	1.42e-05	0.0	0.0	-25.28	0.04	0.68	-3.80e-03	-2.56	-0.03
		-0.03	-2.56	1.80e-03	0.0	360.0	-23.08	0.04	0.68	-3.80e-03	-1.78	0.15
161	85	0.10	0.04	-3.61e-05	0.0	0.0	-21.37	-0.13	0.06	-2.79e-03	-1.60	0.10
		-0.48	-1.60	-2.29e-04	0.0	360.0	-19.18	-0.13	0.06	-2.79e-03	0.04	-0.48
161	86	0.41	-1.64	6.75e-05	0.0	0.0	-24.94	0.11	0.62	-3.68e-03	-2.46	-0.10
		-0.10	-2.46	1.67e-03	0.0	360.0	-22.75	0.11	0.62	-3.68e-03	-1.64	0.41
161	88	8.07	-1.37	-9.44e-03	0.0	0.0	-27.95	4.48	0.39	1.72e-04	-1.93	-8.28
		-8.28	-1.93	1.60e-03	0.0	360.0	-25.75	4.48	0.39	1.72e-04	-1.37	8.07
161	89	8.28	-0.23	9.47e-03	0.0	0.0	-18.37	-4.50	0.29	-6.64e-03	-2.13	8.28
		-8.15	-2.13	3.49e-04	0.0	360.0	-16.17	-4.50	0.29	-6.64e-03	-0.23	-8.15
161	100	15.21	-1.31	-0.01	0.0	0.0	-26.72	7.30	0.36	-3.13e-04	-1.86	-11.16
		-11.16	-1.86	1.51e-03	0.0	360.0	-24.53	7.30	0.36	-3.13e-04	-1.31	15.21
161	101	11.16	-0.29	0.01	0.0	0.0	-19.59	-7.32	0.33	-6.15e-03	-2.20	11.16
		-15.28	-2.20	4.06e-04	0.0	360.0	-17.40	-7.32	0.33	-6.15e-03	-0.29	-15.28
161	109	3.38	0.88	3.71e-03	0.0	0.0	-18.82	-2.26	-0.18	-3.28e-03	-1.28	3.38
		-4.82	-1.28	-1.16e-03	0.0	360.0	-16.63	-2.26	-0.18	-3.28e-03	0.88	-4.82
161	110	3.29	-2.44	3.70e-03	0.0	0.0	-25.89	-2.12	0.94	-5.06e-03	-3.00	3.29
		-4.29	-3.00	2.40e-03	0.0	360.0	-23.70	-2.12	0.94	-5.06e-03	-2.44	-4.29
163	2	-0.09	-0.07	0.0	0.0	0.0	-37.17	0.17	0.04	1.38e-04	-0.08	-0.11
		-0.11	-0.08	-2.72e-06	0.0	11.0	-37.08	0.17	0.04	1.38e-04	-0.07	-0.11
163	5	5.08e-03	0.03	0.0	0.0	0.0	-20.11	0.08	0.06	9.39e-05	0.03	-4.00e-03
		-4.00e-03	0.03	-8.44e-06	0.0	11.0	-20.03	0.08	0.06	9.39e-05	0.03	5.08e-03
163	7	0.01	0.03	0.0	0.0	0.0	-11.83	0.05	0.05	8.93e-05	0.03	8.95e-03

163	10	8.95e-03	0.03	-8.53e-06	0.0	11.0	-11.76	0.05	0.05	8.93e-05	0.03	0.01
		-0.06	-0.05	0.0	0.0	0.0	-28.46	0.13	0.03	9.39e-05	-0.05	-0.08
		-0.08	-0.05	-1.78e-06	0.0	11.0	-28.39	0.13	0.03	9.39e-05	-0.05	-0.06
163	11	-5.58e-04	0.02	0.0	0.0	0.0	-17.09	0.07	0.05	6.47e-05	0.02	-8.42e-03
		-8.42e-03	0.02	-5.59e-06	0.0	11.0	-17.03	0.07	0.05	6.47e-05	0.02	-5.58e-04
163	14	-0.05	-0.03	0.0	0.0	0.0	-31.20	0.14	0.04	3.99e-05	-0.03	-0.07
		-0.07	-0.03	1.01e-06	0.0	11.0	-31.13	0.14	0.04	3.99e-05	-0.03	-0.05
163	15	-0.02	7.35e-03	0.0	0.0	0.0	-25.51	0.11	0.04	2.53e-05	2.55e-03	-0.04
		-0.04	2.55e-03	0.0	0.0	11.0	-25.45	0.11	0.04	2.53e-05	7.35e-03	-0.02
163	17	-0.03	3.46e-03	0.0	0.0	0.0	-27.62	0.12	0.04	1.55e-05	-1.20e-03	-0.04
		-0.04	-1.20e-03	0.0	0.0	11.0	-27.55	0.12	0.04	1.55e-05	3.46e-03	-0.03
163	18	-0.04	-0.02	0.0	0.0	0.0	-29.76	0.13	0.04	3.01e-05	-0.02	-0.06
		-0.06	-0.02	0.0	0.0	11.0	-29.70	0.13	0.04	3.01e-05	-0.02	-0.04
163	28	4.30	0.96	1.40e-04	0.0	0.0	259.49	-29.48	1.18	1.08e-03	0.84	4.30
		1.07	0.84	-7.68e-06	0.0	11.0	259.56	-29.48	1.18	1.08e-03	0.96	1.07
163	29	-1.16	-0.88	-1.40e-04	0.0	0.0	-319.02	29.75	-1.10	-1.02e-03	-0.88	-4.42
		-4.42	-0.99	9.12e-06	0.0	11.0	-318.96	29.75	-1.10	-1.02e-03	-0.99	-1.16
163	32	4.30	0.96	1.40e-04	0.0	0.0	259.27	-29.45	1.15	1.10e-03	0.84	4.30
		1.07	0.84	-7.77e-06	0.0	11.0	259.33	-29.45	1.15	1.10e-03	0.96	1.07
163	33	-1.16	-0.88	-1.40e-04	0.0	0.0	-318.80	29.72	-1.07	-1.04e-03	-0.88	-4.42
		-4.42	-0.99	9.21e-06	0.0	11.0	-318.73	29.72	-1.07	-1.04e-03	-0.99	-1.16
163	60	3.11	0.69	1.02e-04	0.0	0.0	181.84	-21.43	0.85	7.90e-04	0.61	3.11
		0.77	0.61	-5.92e-06	0.0	11.0	181.90	-21.43	0.85	7.90e-04	0.69	0.77
163	61	-0.86	-0.64	-1.02e-04	0.0	0.0	-241.37	21.69	-0.78	-7.30e-04	-0.64	-3.23
		-3.23	-0.72	7.36e-06	0.0	11.0	-241.30	21.69	-0.78	-7.30e-04	-0.72	-0.86
163	64	3.11	0.69	1.02e-04	0.0	0.0	181.62	-21.40	0.83	8.12e-04	0.61	3.11
		0.77	0.61	-5.99e-06	0.0	11.0	181.68	-21.40	0.83	8.12e-04	0.69	0.77
163	65	-0.86	-0.65	-1.02e-04	0.0	0.0	-241.14	21.67	-0.75	-7.51e-04	-0.65	-3.23
		-3.23	-0.72	7.43e-06	0.0	11.0	-241.08	21.67	-0.75	-7.51e-04	-0.72	-0.86
163	83	-0.09	-0.02	0.0	0.0	0.0	-48.22	0.24	0.34	5.70e-05	-0.08	-0.09
		-0.09	-0.08	1.02e-05	0.0	11.0	-48.15	0.24	0.34	5.70e-05	-0.02	-0.09
163	84	1.79e-03	0.04	0.0	0.0	0.0	-11.31	0.03	-0.27	3.27e-06	0.04	-0.03
		-0.03	-5.89e-03	-8.72e-06	0.0	11.0	-11.24	0.03	-0.27	3.27e-06	-5.89e-03	1.79e-03
163	85	-0.09	-0.03	0.0	0.0	0.0	-47.55	0.17	0.41	-5.93e-06	-0.09	-0.09
		-0.09	-0.09	1.04e-05	0.0	11.0	-47.49	0.17	0.41	-5.93e-06	-0.03	-0.09
163	86	2.33e-03	0.05	0.0	0.0	0.0	-11.97	0.10	-0.33	6.62e-05	0.05	-0.03
		-0.03	-3.56e-03	-8.92e-06	0.0	11.0	-11.91	0.10	-0.33	6.62e-05	-3.56e-03	2.33e-03
163	96	5.14	1.15	1.67e-04	0.0	0.0	315.22	-35.23	1.41	1.28e-03	1.00	5.14
		1.28	1.00	-9.10e-06	0.0	11.0	315.28	-35.23	1.41	1.28e-03	1.15	1.28
163	97	-1.37	-1.04	-1.67e-04	0.0	0.0	-374.74	35.50	-1.33	-1.22e-03	-1.04	-5.26
		-5.26	-1.18	1.05e-05	0.0	11.0	-374.68	35.50	-1.33	-1.22e-03	-1.18	-1.37
163	100	5.14	1.15	1.68e-04	0.0	0.0	314.97	-35.19	1.37	1.31e-03	1.00	5.14
		1.29	1.00	-9.20e-06	0.0	11.0	315.04	-35.19	1.37	1.31e-03	1.15	1.29
163	101	-1.37	-1.04	-1.67e-04	0.0	0.0	-374.50	35.46	-1.30	-1.25e-03	-1.04	-5.26
		-5.26	-1.18	1.06e-05	0.0	11.0	-374.43	35.46	-1.30	-1.25e-03	-1.18	-1.37
168	2	0.02	0.06	0.0	0.0	0.0	-18.47	-0.04	0.14	0.0	0.04	0.02
		0.02	0.04	-6.82e-06	0.0	11.0	-18.38	-0.04	0.14	0.0	0.06	0.02
168	5	0.05	0.09	0.0	0.0	0.0	-16.57	-0.04	0.09	0.0	0.08	0.05
		0.04	0.08	-7.98e-06	0.0	11.0	-16.48	-0.04	0.09	0.0	0.09	0.04
168	7	0.05	0.09	0.0	0.0	0.0	-12.06	-0.03	0.09	0.0	0.08	0.05
		0.04	0.08	-7.86e-06	0.0	11.0	-12.00	-0.03	0.09	0.0	0.09	0.04
168	8	0.04	0.10	0.0	0.0	0.0	-12.57	-0.03	0.14	0.0	0.08	0.04
		0.04	0.08	-9.13e-06	0.0	11.0	-12.50	-0.03	0.14	0.0	0.10	0.04
168	10	0.02	0.04	0.0	0.0	0.0	-14.31	-0.03	0.09	0.0	0.03	0.02
		0.01	0.03	-4.60e-06	0.0	11.0	-14.25	-0.03	0.09	0.0	0.04	0.01
168	11	0.03	0.06	0.0	0.0	0.0	-13.05	-0.03	0.06	0.0	0.05	0.03
		0.03	0.05	-5.37e-06	0.0	11.0	-12.98	-0.03	0.06	0.0	0.06	0.03
168	12	0.03	0.06	0.0	0.0	0.0	-13.38	-0.03	0.10	0.0	0.05	0.03
		0.03	0.05	-6.22e-06	0.0	11.0	-13.32	-0.03	0.10	0.0	0.06	0.03
168	14	-9.37e-04	2.50e-04	0.0	0.0	0.0	-15.25	-0.03	0.04	0.0	-4.20e-03	-9.37e-04
		-4.70e-03	-4.20e-03	-1.01e-06	0.0	11.0	-15.19	-0.03	0.04	0.0	2.50e-04	-4.70e-03
168	15	6.86e-03	0.01	0.0	0.0	0.0	-14.62	-0.04	0.02	0.0	7.68e-03	6.86e-03
		2.96e-03	7.68e-03	-1.40e-06	0.0	11.0	-14.56	-0.04	0.02	0.0	0.01	2.96e-03
168	16	5.83e-03	0.01	0.0	0.0	0.0	-14.76	-0.03	0.04	0.0	7.37e-03	5.83e-03
		2.05e-03	7.37e-03	-1.77e-06	0.0	11.0	-14.70	-0.03	0.04	0.0	0.01	2.05e-03
168	17	7.79e-04	-2.11e-03	0.0	0.0	0.0	-15.01	-0.04	0.01	0.0	-3.68e-03	7.79e-04
		-3.18e-03	-3.68e-03	0.0	0.0	11.0	-14.95	-0.04	0.01	0.0	-2.11e-03	-3.18e-03
168	18	-2.51e-04	-6.92e-04	0.0	0.0	0.0	-15.16	-0.03	0.03	0.0	-3.99e-03	-2.51e-04
		-4.09e-03	-3.99e-03	0.0	0.0	11.0	-15.09	-0.03	0.03	0.0	-6.92e-04	-4.09e-03
168	28	3.52	0.89	2.04e-04	0.0	0.0	135.76	-28.80	0.59	0.0	0.82	3.52
		0.35	0.82	-2.22e-05	0.0	11.0	135.83	-28.80	0.59	0.0	0.89	0.35
168	29	-0.36	-0.83	-2.05e-04	0.0	0.0	-166.08	28.73	-0.53	0.0	-0.83	-3.52
		-3.52	-0.90	2.06e-05	0.0	11.0	-166.01	28.73	-0.53	0.0	-0.90	-3.52
168	60	2.57	0.65	1.49e-04	0.0	0.0	94.99	-20.97	0.41	0.0	0.61	2.57
		0.26	0.61	-1.64e-05	0.0	11.0	95.06	-20.97	0.41	0.0	0.65	0.26

168	61	-0.27	-0.61	-1.49e-04	0.0	0.0	-125.31	20.90	-0.35	0.0	-0.61	-2.57
		-2.57	-0.66	1.48e-05	0.0	11.0	-125.24	20.90	-0.35	0.0	-0.66	-0.27
168	83	-0.05	-0.07	0.0	0.0	0.0	-20.67	-0.04	0.51	0.0	-0.12	-0.05
		-0.05	-0.12	7.91e-06	0.0	11.0	-20.61	-0.04	0.51	0.0	-0.07	-0.05
168	84	0.05	0.11	0.0	0.0	0.0	-9.64	-0.03	-0.45	0.0	0.11	0.05
		0.04	0.07	-9.46e-06	0.0	11.0	-9.58	-0.03	-0.45	0.0	0.07	0.04
168	96	4.20	1.07	2.44e-04	0.0	0.0	164.95	-34.39	0.71	0.0	0.98	4.20
		0.42	0.98	-2.63e-05	0.0	11.0	165.01	-34.39	0.71	0.0	1.07	0.42
168	97	-0.43	-0.99	-2.45e-04	0.0	0.0	-195.26	34.32	-0.65	0.0	-0.99	-4.21
		-4.21	-1.07	2.47e-05	0.0	11.0	-195.20	34.32	-0.65	0.0	-1.07	-4.21
176	1	-4.01e-03	0.11	-8.61e-06	0.0	0.0	-29.71	2.42e-03	-0.07	0.0	0.11	-0.01
		-0.01	-0.16	1.77e-04	0.0	360.0	-26.86	2.42e-03	-0.07	0.0	-0.16	-4.01e-03
176	2	-4.38e-03	0.53	-2.22e-05	0.0	0.0	-49.06	8.28e-03	-0.32	0.0	0.53	-0.03
		-0.03	-0.61	4.38e-04	0.0	360.0	-46.21	8.28e-03	-0.32	0.0	-0.61	-4.38e-03
176	3	-4.28e-03	0.09	-8.22e-06	0.0	0.0	-24.92	2.15e-03	-0.06	0.0	0.09	-0.01
		-0.01	-0.12	1.53e-04	0.0	360.0	-22.73	2.15e-03	-0.06	0.0	-0.12	-4.28e-03
176	6	-7.71e-03	0.42	-2.27e-05	0.0	0.0	-49.21	7.37e-03	-0.25	0.0	0.42	-0.03
		-0.03	-0.49	4.09e-04	0.0	360.0	-46.36	7.37e-03	-0.25	0.0	-0.49	-7.71e-03
176	9	-2.55e-03	0.08	-5.91e-06	0.0	0.0	-21.94	1.73e-03	-0.06	0.0	0.08	-8.78e-03
		-8.78e-03	-0.12	1.28e-04	0.0	360.0	-19.75	1.73e-03	-0.06	0.0	-0.12	-2.55e-03
176	10	-2.80e-03	0.36	-1.50e-05	0.0	0.0	-34.84	5.64e-03	-0.22	0.0	0.36	-0.02
		-0.02	-0.42	3.03e-04	0.0	360.0	-32.64	5.64e-03	-0.22	0.0	-0.42	-2.80e-03
176	12	-5.02e-03	0.29	-1.53e-05	0.0	0.0	-34.94	5.03e-03	-0.17	0.0	0.29	-0.02
		-0.02	-0.34	2.83e-04	0.0	360.0	-32.74	5.03e-03	-0.17	0.0	-0.34	-5.02e-03
176	13	8.94e-04	0.07	-1.29e-06	0.0	0.0	-15.99	8.81e-04	-0.05	0.0	0.07	-2.28e-03
		-2.28e-03	-0.11	7.96e-05	0.0	360.0	-13.79	8.81e-04	-0.05	0.0	-0.11	8.94e-04
176	14	7.71e-04	0.21	-5.82e-06	0.0	0.0	-22.43	2.84e-03	-0.13	0.0	0.21	-9.44e-03
		-9.44e-03	-0.26	1.67e-04	0.0	360.0	-20.24	2.84e-03	-0.13	0.0	-0.26	7.71e-04
176	17	8.94e-04	0.07	-1.29e-06	0.0	0.0	-15.99	8.81e-04	-0.05	0.0	0.07	-2.28e-03
		-2.28e-03	-0.11	7.96e-05	0.0	360.0	-13.79	8.81e-04	-0.05	0.0	-0.11	8.94e-04
176	18	8.20e-04	0.16	-4.01e-06	0.0	0.0	-19.85	2.05e-03	-0.10	0.0	0.16	-6.57e-03
		-6.57e-03	-0.20	1.32e-04	0.0	360.0	-17.66	2.05e-03	-0.10	0.0	-0.20	8.20e-04
176	19	5.43	0.05	-0.01	0.0	0.0	26.01	6.49	-0.06	0.0	0.05	-17.84
		-17.84	-0.15	-1.97e-04	0.0	360.0	28.21	6.49	-0.06	0.0	-0.15	5.43
176	22	17.82	0.26	0.01	0.0	0.0	-65.72	-6.48	-0.14	0.0	0.26	17.82
		-5.42	-0.25	4.61e-04	0.0	360.0	-63.53	-6.48	-0.14	0.0	-0.25	-5.42
176	24	5.31	0.09	-0.01	0.0	0.0	13.01	6.54	-0.07	0.0	0.09	-17.91
		-17.91	-0.18	-9.77e-05	0.0	360.0	15.21	6.54	-0.07	0.0	-0.18	5.31
176	25	17.89	0.22	0.01	0.0	0.0	-52.72	-6.54	-0.12	0.0	0.22	17.89
		-5.31	-0.22	3.62e-04	0.0	360.0	-50.53	-6.54	-0.12	0.0	-0.22	-5.31
176	38	5.51	0.25	3.17e-03	0.0	0.0	-55.55	-2.07	-0.14	0.0	0.25	5.51
		-1.35	-0.26	4.00e-04	0.0	360.0	-53.36	-2.07	-0.14	0.0	-0.26	-1.35
176	51	3.95	0.08	-7.53e-03	0.0	0.0	14.64	4.72	-0.07	0.0	0.08	-12.95
		-12.95	-0.16	-1.16e-04	0.0	360.0	16.84	4.72	-0.07	0.0	-0.16	3.95
176	54	12.94	0.23	7.52e-03	0.0	0.0	-54.35	-4.72	-0.13	0.0	0.23	12.94
		-3.95	-0.24	3.80e-04	0.0	360.0	-52.16	-4.72	-0.13	0.0	-0.24	-3.95
176	56	3.85	0.11	-7.55e-03	0.0	0.0	3.05	4.76	-0.08	0.0	0.11	-13.02
		-13.02	-0.18	-2.78e-05	0.0	360.0	5.24	4.76	-0.08	0.0	-0.18	3.85
176	57	13.00	0.20	7.54e-03	0.0	0.0	-42.76	-4.76	-0.12	0.0	0.20	13.00
		-3.85	-0.21	2.92e-04	0.0	360.0	-40.56	-4.76	-0.12	0.0	-0.21	-3.85
176	70	4.02	0.23	2.31e-03	0.0	0.0	-49.64	-1.52	-0.13	0.0	0.23	4.02
		-0.94	-0.25	3.57e-04	0.0	360.0	-47.45	-1.52	-0.13	0.0	-0.25	-0.94
176	83	-0.15	0.10	-5.66e-05	0.0	0.0	-0.63	0.11	-0.07	0.0	0.10	-0.15
		-0.24	-0.16	-1.66e-05	0.0	360.0	1.56	0.11	-0.07	0.0	-0.16	-0.24
176	84	0.24	0.21	4.86e-05	0.0	0.0	-39.08	-0.10	-0.12	0.0	0.21	0.13
		0.13	-0.24	2.80e-04	0.0	360.0	-36.88	-0.10	-0.12	0.0	-0.24	0.13
176	85	0.55	0.12	1.25e-04	0.0	0.0	-4.29	-0.24	-0.08	0.0	0.12	0.32
		0.32	-0.17	2.65e-05	0.0	360.0	-2.10	-0.24	-0.08	0.0	-0.17	0.32
176	86	-0.34	0.19	-1.33e-04	0.0	0.0	-35.42	0.24	-0.12	0.0	0.19	-0.34
		-0.55	-0.23	2.48e-04	0.0	360.0	-33.23	0.24	-0.12	0.0	-0.23	-0.55
176	87	6.50	0.04	-0.01	0.0	0.0	34.62	7.77	-0.05	0.0	0.04	-21.37
		-21.37	-0.14	-2.58e-04	0.0	360.0	36.81	7.77	-0.05	0.0	-0.14	6.50
176	90	21.35	0.27	0.01	0.0	0.0	-74.33	-7.77	-0.15	0.0	0.27	21.35
		-6.49	-0.26	5.22e-04	0.0	360.0	-72.13	-7.77	-0.15	0.0	-0.26	-6.49
176	92	6.37	0.08	-0.01	0.0	0.0	19.93	7.83	-0.07	0.0	0.08	-21.45
		-21.45	-0.17	-1.46e-04	0.0	360.0	22.12	7.83	-0.07	0.0	-0.17	6.37
176	93	21.44	0.23	0.01	0.0	0.0	-59.63	-7.82	-0.13	0.0	0.23	21.44
		-6.36	-0.23	4.10e-04	0.0	360.0	-57.44	-7.82	-0.13	0.0	-0.23	-6.36
176	106	6.59	0.26	3.79e-03	0.0	0.0	-61.06	-2.47	-0.15	0.0	0.26	6.59
		-1.63	-0.27	4.41e-04	0.0	360.0	-58.86	-2.47	-0.15	0.0	-0.27	-1.63
177	2	0.08	13.53	3.50e-06	0.0	0.0	-47.47	0.04	18.75	0.0	-11.54	0.02
		0.02	-11.54	-1.79e-03	0.77	131.0	-46.44	0.04	19.52	0.0	13.53	0.08
177	5	0.02	2.76	-6.35e-06	0.0	0.0	-12.68	0.04	2.95	0.0	-1.94	-0.04
		-0.04	-1.94	-2.85e-04	1.28	131.0	-11.64	0.04	4.23	0.0	2.76	0.02
177	7	9.21e-03	2.09	-6.02e-06	0.0	0.0	-5.87	0.04	2.00	0.0	-1.36	-0.04

177	10	-0.04	-1.36	-1.89e-04	1.28	131.0	-5.07	0.04	3.27	0.0	2.09	9.21e-03
		0.06	9.31	2.19e-06	0.0	0.0	-34.68	0.03	12.93	0.0	-7.96	0.01
		0.01	-7.96	-1.23e-03	0.51	131.0	-33.88	0.03	13.44	0.0	9.31	0.06
177	11	0.01	2.14	-4.38e-06	0.0	0.0	-11.48	0.03	2.39	0.0	-1.55	-0.03
		-0.03	-1.55	-2.33e-04	0.85	131.0	-10.68	0.03	3.24	0.0	2.14	0.01
177	14	0.04	5.80	1.53e-06	0.0	0.0	-32.05	0.02	8.29	0.0	-5.07	0.01
		0.01	-5.07	-8.04e-04	0.0	131.0	-31.25	0.02	8.29	0.0	5.80	0.04
177	15	0.02	2.21	-1.75e-06	0.0	0.0	-20.45	0.02	3.03	0.0	-1.87	-0.01
		-0.01	-1.87	-3.03e-04	0.17	131.0	-19.65	0.02	3.20	0.0	2.21	0.02
177	17	0.02	2.23	-1.09e-06	0.0	0.0	-22.69	0.02	3.19	0.0	-1.94	-6.36e-03
		-6.36e-03	-1.94	-3.20e-04	0.0	131.0	-21.90	0.02	3.19	0.0	2.23	0.02
177	18	0.03	4.37	0.0	0.0	0.0	-28.31	0.02	6.25	0.0	-3.82	3.56e-03
		3.56e-03	-3.82	-6.10e-04	0.0	131.0	-27.51	0.02	6.25	0.0	4.37	0.03
177	19	-3.69	4.52	-2.29e-03	0.0	0.0	-76.21	8.19	6.57	0.0	-4.07	-14.18
		-14.18	-4.07	-7.64e-04	0.0	131.0	-75.41	8.19	6.57	0.0	4.52	-3.69
177	22	14.19	4.22	2.29e-03	0.0	0.0	19.59	-8.14	5.93	0.0	-3.56	14.19
		3.76	-3.56	-4.56e-04	0.0	131.0	20.39	-8.14	5.93	0.0	4.22	3.76
177	31	3.80	4.49	-3.27e-03	0.0	0.0	-58.62	12.72	6.48	0.0	-3.99	-20.21
		-20.21	-3.99	-7.08e-04	0.0	131.0	-57.82	12.72	6.48	0.0	4.49	3.80
177	34	20.21	4.25	3.27e-03	0.0	0.0	2.01	-12.68	6.03	0.0	-3.65	20.21
		-3.73	-3.65	-5.13e-04	0.0	131.0	2.81	-12.68	6.03	0.0	4.25	-3.73
177	37	4.42	5.69	7.14e-04	0.0	0.0	-41.95	-2.64	8.39	0.0	-5.31	4.42
		1.27	-5.31	-8.47e-04	0.0	131.0	-41.15	-2.64	8.39	0.0	5.69	1.27
177	51	-2.68	4.53	-1.67e-03	0.0	0.0	-64.32	5.98	6.55	0.0	-4.05	-10.31
		-10.31	-4.05	-7.38e-04	0.0	131.0	-63.52	5.98	6.55	0.0	4.53	-2.68
177	54	10.32	4.21	1.67e-03	0.0	0.0	7.70	-5.93	5.95	0.0	-3.58	10.32
		2.75	-3.58	-4.82e-04	0.0	131.0	8.50	-5.93	5.95	0.0	4.21	2.75
177	63	2.79	4.49	-2.38e-03	0.0	0.0	-51.44	9.30	6.46	0.0	-3.98	-14.72
		-14.72	-3.98	-6.92e-04	0.0	131.0	-50.64	9.30	6.46	0.0	4.49	2.79
177	66	14.73	4.25	2.38e-03	0.0	0.0	-5.17	-9.25	6.04	0.0	-3.66	14.73
		-2.72	-3.66	-5.29e-04	0.0	131.0	-4.37	-9.25	6.04	0.0	4.25	-2.72
177	69	3.24	5.57	5.23e-04	0.0	0.0	-42.21	-1.95	8.19	0.0	-5.17	3.24
		0.95	-5.17	-8.29e-04	0.0	131.0	-41.42	-1.95	8.19	0.0	5.57	0.95
177	83	0.12	5.40	1.95e-05	0.0	0.0	-48.71	-0.13	7.93	0.0	-5.00	0.12
		0.12	-5.00	-8.23e-04	0.0	131.0	-47.91	-0.13	7.93	0.0	5.40	0.12
177	84	-0.05	3.34	-1.86e-05	0.0	0.0	-7.91	0.17	4.57	0.0	-2.64	-0.11
		-0.11	-2.64	-3.97e-04	0.0	131.0	-7.11	0.17	4.57	0.0	3.34	-0.05
177	85	-0.15	5.05	-4.74e-05	0.0	0.0	-44.96	0.37	7.34	0.0	-4.58	-0.29
		-0.29	-4.58	-7.48e-04	0.0	131.0	-44.17	0.37	7.34	0.0	5.05	-0.15
177	86	0.30	3.69	4.83e-05	0.0	0.0	-11.65	-0.32	5.16	0.0	-3.06	0.30
		0.22	-3.06	-4.72e-04	0.0	131.0	-10.85	-0.32	5.16	0.0	3.69	0.22
177	87	-4.43	4.53	-2.74e-03	0.0	0.0	-85.21	9.80	6.60	0.0	-4.10	-16.98
		-16.98	-4.10	-7.88e-04	0.0	131.0	-84.41	9.80	6.60	0.0	4.53	-4.43
177	90	16.99	4.21	2.74e-03	0.0	0.0	28.59	-9.76	5.90	0.0	-3.53	16.99
		4.49	-3.53	-4.32e-04	0.0	131.0	29.39	-9.76	5.90	0.0	4.21	4.49
177	99	4.53	4.50	-3.90e-03	0.0	0.0	-64.08	15.18	6.50	0.0	-4.01	-24.13
		-24.13	-4.01	-7.22e-04	0.0	131.0	-63.29	15.18	6.50	0.0	4.50	4.53
177	102	24.13	4.24	3.90e-03	0.0	0.0	7.47	-15.13	6.00	0.0	-3.63	24.13
		-4.46	-3.63	-4.98e-04	0.0	131.0	8.27	-15.13	6.00	0.0	4.24	-4.46
177	105	5.29	5.86	8.54e-04	0.0	0.0	-43.05	-3.15	8.65	0.0	-5.50	5.29
		1.50	-5.50	-8.74e-04	0.0	131.0	-42.25	-3.15	8.65	0.0	5.86	1.50
178	2	0.02	11.87	2.17e-05	0.0	0.0	-29.70	-0.02	18.76	0.0	-13.21	0.02
		-6.71e-03	-13.21	-1.81e-03	0.77	131.0	-28.67	-0.02	19.53	0.0	11.87	-6.71e-03
178	4	0.02	11.31	2.04e-05	0.0	0.0	-25.23	-0.02	17.84	0.0	-12.56	0.02
		-7.01e-03	-12.56	-1.72e-03	0.77	131.0	-24.43	-0.02	18.61	0.0	11.31	-7.01e-03
178	6	0.02	9.10	1.32e-05	0.0	0.0	-21.15	-0.01	13.76	0.0	-9.76	0.02
		6.53e-03	-9.76	-1.36e-03	1.28	131.0	-20.11	-0.01	15.03	0.0	9.10	6.53e-03
178	7	0.02	1.97	-2.09e-06	0.0	0.0	-5.49	2.91e-03	2.08	0.0	-1.59	0.02
		0.02	-1.59	-2.57e-04	1.28	131.0	-4.70	2.91e-03	3.36	0.0	1.97	0.02
178	10	0.02	8.16	1.50e-05	0.0	0.0	-21.79	-0.02	12.92	0.0	-9.09	0.02
		-4.34e-03	-9.09	-1.24e-03	0.51	131.0	-20.99	-0.02	13.43	0.0	8.16	-4.34e-03
178	11	0.01	1.94	0.0	0.0	0.0	-8.64	-2.23e-05	2.41	0.0	-1.78	0.01
		0.01	-1.78	-2.67e-04	0.85	131.0	-7.84	-2.23e-05	3.26	0.0	1.94	0.01
178	12	0.02	6.32	9.32e-06	0.0	0.0	-16.09	-9.94e-03	9.58	0.0	-6.79	0.02
		4.49e-03	-6.79	-9.44e-04	0.85	131.0	-15.29	-9.94e-03	10.43	0.0	6.32	4.49e-03
178	14	0.01	5.00	1.08e-05	0.0	0.0	-20.24	-0.01	8.19	0.0	-5.74	0.01
		-5.39e-03	-5.74	-7.69e-04	0.0	131.0	-19.44	-0.01	8.19	0.0	5.00	-5.39e-03
178	15	9.69e-03	1.88	3.31e-06	0.0	0.0	-13.66	-4.72e-03	2.94	0.0	-2.08	9.69e-03
		3.51e-03	-2.08	-2.82e-04	0.17	131.0	-12.86	-4.72e-03	3.11	0.0	1.88	3.51e-03
178	17	8.74e-03	1.87	4.14e-06	0.0	0.0	-14.92	-5.89e-03	3.07	0.0	-2.15	8.74e-03
		1.02e-03	-2.15	-2.85e-04	0.0	131.0	-14.12	-5.89e-03	3.07	0.0	1.87	1.02e-03
178	18	0.01	3.74	8.14e-06	0.0	0.0	-18.11	-0.01	6.14	0.0	-4.30	0.01
		-2.83e-03	-4.30	-5.76e-04	0.0	131.0	-17.31	-0.01	6.14	0.0	3.74	-2.83e-03
178	19	5.45	4.27	-2.68e-03	0.0	0.0	-47.44	2.23	6.73	0.0	-4.54	5.45
		2.63	-4.54	-8.07e-04	0.0	131.0	-46.64	2.23	6.73	0.0	4.27	2.63

178	22	-2.60	3.22	2.70e-03	0.0	0.0	11.21	-2.25	5.56	0.0	-4.07	-2.60
		-5.46	-4.07	-3.45e-04	0.0	131.0	12.01	-2.25	5.56	0.0	3.22	-5.46
178	32	8.06	3.15	-3.35e-03	0.0	0.0	-29.04	2.47	5.44	0.0	-3.94	4.90
		4.90	-3.94	-5.56e-04	0.0	131.0	-28.24	2.47	5.44	0.0	3.15	8.06
178	33	-4.88	4.34	3.36e-03	0.0	0.0	-7.18	-2.49	6.85	0.0	-4.67	-4.88
		-8.07	-4.67	-5.95e-04	0.0	131.0	-6.38	-2.49	6.85	0.0	4.34	-8.07
178	37	-0.92	6.13	8.06e-04	0.0	0.0	-25.47	-0.72	8.90	0.0	-5.62	-0.92
		-1.76	-5.62	-9.45e-04	0.0	131.0	-24.67	-0.72	8.90	0.0	6.13	-1.76
178	51	3.97	4.20	-1.95e-03	0.0	0.0	-40.11	1.62	6.65	0.0	-4.51	1.93
		1.93	-4.51	-7.59e-04	0.0	131.0	-39.31	1.62	6.65	0.0	4.20	3.97
178	54	-1.91	3.29	1.96e-03	0.0	0.0	3.89	-1.64	5.64	0.0	-4.10	-1.91
		-3.98	-4.10	-3.92e-04	0.0	131.0	4.68	-1.64	5.64	0.0	3.29	-3.98
178	64	5.88	3.21	-2.43e-03	0.0	0.0	-25.46	1.80	5.52	0.0	-3.98	3.60
		3.60	-3.98	-5.48e-04	0.0	131.0	-24.66	1.80	5.52	0.0	3.21	5.88
178	65	-3.57	4.27	2.45e-03	0.0	0.0	-10.77	-1.82	6.77	0.0	-4.62	-3.57
		-5.89	-4.62	-6.03e-04	0.0	131.0	-9.97	-1.82	6.77	0.0	4.27	-5.89
178	69	-0.69	5.82	5.86e-04	0.0	0.0	-25.74	-0.53	8.53	0.0	-5.45	-0.69
		-1.30	-5.45	-8.96e-04	0.0	131.0	-24.94	-0.53	8.53	0.0	5.82	-1.30
178	83	-0.09	5.57	1.96e-06	0.0	0.0	-29.86	-0.04	8.24	0.0	-5.30	-0.09
		-0.09	-5.30	-8.85e-04	0.0	131.0	-29.06	-0.04	8.24	0.0	5.57	-0.09
178	84	0.12	1.92	1.56e-05	0.0	0.0	-6.36	0.02	4.05	0.0	-3.31	0.12
		0.08	-3.31	-2.66e-04	0.0	131.0	-5.57	0.02	4.05	0.0	1.92	0.08
178	85	-0.20	5.01	6.92e-06	0.0	0.0	-27.93	0.03	7.63	0.0	-5.04	-0.20
		-0.22	-5.04	-8.01e-04	0.0	131.0	-27.14	0.03	7.63	0.0	5.01	-0.22
178	86	0.24	2.48	1.09e-05	0.0	0.0	-8.29	-0.06	4.65	0.0	-3.57	0.24
		0.19	-3.57	-3.50e-04	0.0	131.0	-7.49	-0.06	4.65	0.0	2.48	0.19
178	87	6.53	4.35	-3.22e-03	0.0	0.0	-52.96	2.67	6.82	0.0	-4.58	3.14
		3.14	-4.58	-8.47e-04	0.0	131.0	-52.17	2.67	6.82	0.0	4.35	6.53
178	90	-3.11	3.14	3.23e-03	0.0	0.0	16.74	-2.69	5.47	0.0	-4.03	-3.11
		-6.53	-4.03	-3.05e-04	0.0	131.0	17.54	-2.69	5.47	0.0	3.14	-6.53
178	100	9.62	3.07	-4.00e-03	0.0	0.0	-31.41	2.95	5.35	0.0	-3.89	5.84
		5.84	-3.89	-5.57e-04	0.0	131.0	-30.61	2.95	5.35	0.0	3.07	9.62
178	101	-5.82	4.42	4.01e-03	0.0	0.0	-4.82	-2.97	6.94	0.0	-4.72	-5.82
		-9.63	-4.72	-5.94e-04	0.0	131.0	-4.02	-2.97	6.94	0.0	4.42	-9.63
178	105	-1.09	6.48	9.65e-04	0.0	0.0	-26.02	-0.86	9.31	0.0	-5.82	-1.09
		-2.10	-5.82	-1.00e-03	0.0	131.0	-25.22	-0.86	9.31	0.0	6.48	-2.10
179	1	-5.10e-03	0.02	-8.62e-06	0.0	0.0	-27.81	2.05e-03	0.03	0.0	-0.09	-0.01
		-0.01	-0.09	2.61e-05	0.0	360.0	-24.96	2.05e-03	0.03	0.0	0.02	-5.10e-03
179	2	-5.69e-03	0.20	-2.22e-05	0.0	0.0	-38.88	7.84e-03	0.17	0.0	-0.40	-0.03
		-0.03	-0.40	-2.82e-04	0.0	360.0	-36.03	7.84e-03	0.17	0.0	0.20	-5.69e-03
179	3	-5.31e-03	0.02	-8.23e-06	0.0	0.0	-23.59	1.80e-03	0.02	0.0	-0.07	-0.01
		-0.01	-0.07	3.65e-05	0.0	360.0	-21.40	1.80e-03	0.02	0.0	0.02	-5.31e-03
179	6	-9.52e-03	0.14	-2.27e-05	0.0	0.0	-41.90	6.76e-03	0.12	0.0	-0.30	-0.03
		-0.03	-0.30	-1.39e-04	0.0	360.0	-39.05	6.76e-03	0.12	0.0	0.14	-9.52e-03
179	9	-3.30e-03	0.02	-5.92e-06	0.0	0.0	-20.42	1.47e-03	0.03	0.0	-0.07	-8.61e-03
		-8.61e-03	-0.07	1.59e-05	0.0	360.0	-18.23	1.47e-03	0.03	0.0	0.02	-3.30e-03
179	10	-3.70e-03	0.14	-1.50e-05	0.0	0.0	-27.80	5.33e-03	0.12	0.0	-0.28	-0.02
		-0.02	-0.28	-1.94e-04	0.0	360.0	-25.61	5.33e-03	0.12	0.0	0.14	-3.70e-03
179	12	-6.25e-03	0.10	-1.53e-05	0.0	0.0	-29.81	4.62e-03	0.09	0.0	-0.21	-0.02
		-0.02	-0.21	-9.78e-05	0.0	360.0	-27.62	4.62e-03	0.09	0.0	0.10	-6.25e-03
179	13	7.02e-04	0.02	-1.30e-06	0.0	0.0	-14.09	8.15e-04	0.03	0.0	-0.08	-2.23e-03
		-2.23e-03	-0.08	-4.09e-05	0.0	360.0	-11.90	8.15e-04	0.03	0.0	0.02	7.02e-04
179	14	5.03e-04	0.08	-5.82e-06	0.0	0.0	-17.78	2.75e-03	0.07	0.0	-0.18	-9.38e-03
		-9.38e-03	-0.18	-1.43e-04	0.0	360.0	-15.59	2.75e-03	0.07	0.0	0.08	5.03e-04
179	16	-7.52e-04	0.06	-5.55e-06	0.0	0.0	-18.41	2.19e-03	0.06	0.0	-0.14	-8.65e-03
		-8.65e-03	-0.14	-8.50e-05	0.0	360.0	-16.22	2.19e-03	0.06	0.0	0.06	-7.52e-04
179	17	7.02e-04	0.02	-1.30e-06	0.0	0.0	-14.09	8.15e-04	0.03	0.0	-0.08	-2.23e-03
		-2.23e-03	-0.08	-4.09e-05	0.0	360.0	-11.90	8.15e-04	0.03	0.0	0.02	7.02e-04
179	18	5.82e-04	0.06	-4.01e-06	0.0	0.0	-16.30	1.97e-03	0.06	0.0	-0.14	-6.52e-03
		-6.52e-03	-0.14	-1.02e-04	0.0	360.0	-14.11	1.97e-03	0.06	0.0	0.06	5.82e-04
179	24	5.30	0.02	-0.01	0.0	0.0	-63.32	6.53	0.02	0.0	-0.06	-17.90
		-17.90	-0.06	2.29e-04	0.0	360.0	-61.13	6.53	0.02	0.0	0.02	5.30
179	25	17.89	0.10	0.01	0.0	0.0	30.71	-6.53	0.09	0.0	-0.23	17.89
		-5.30	-0.23	-4.34e-04	0.0	360.0	32.91	-6.53	0.09	0.0	0.10	-5.30
179	45	5.75	0.11	3.27e-03	0.0	0.0	22.57	-2.23	0.09	0.0	-0.21	5.75
		-0.97	-0.21	-3.81e-04	0.0	360.0	24.77	-2.23	0.09	0.0	0.11	-0.97
179	56	3.84	0.03	-7.55e-03	0.0	0.0	-51.68	4.76	0.03	0.0	-0.08	-13.01
		-13.01	-0.08	1.47e-04	0.0	360.0	-49.48	4.76	0.03	0.0	0.03	3.84
179	57	13.00	0.09	7.54e-03	0.0	0.0	19.07	-4.76	0.08	0.0	-0.21	13.00
		-3.84	-0.21	-3.52e-04	0.0	360.0	21.26	-4.76	0.08	0.0	0.09	-3.84
179	77	4.23	0.10	2.39e-03	0.0	0.0	15.95	-1.67	0.08	0.0	-0.20	4.23
		-0.60	-0.20	-3.33e-04	0.0	360.0	18.15	-1.67	0.08	0.0	0.10	-0.60
179	85	0.55	0.09	1.25e-04	0.0	0.0	5.10	-0.24	0.07	0.0	-0.18	0.32
		0.32	-0.18	-2.57e-04	0.0	360.0	7.29	-0.24	0.07	0.0	0.09	0.55
179	86	-0.34	0.03	-1.33e-04	0.0	0.0	-37.70	0.24	0.04	0.0	-0.11	-0.34

		-0.55	-0.11	5.25e-05	0.0	360.0	-35.51	0.24	0.04	0.0	0.03	-0.55
179	92	6.35	0.01	-0.01	0.0	0.0	-72.15	7.82	0.02	0.0	-0.04	-21.45
		-21.45	-0.04	2.91e-04	0.0	360.0	-69.96	7.82	0.02	0.0	0.01	6.35
179	93	21.43	0.10	0.01	0.0	0.0	39.54	-7.82	0.10	0.0	-0.25	21.43
		-6.35	-0.25	-4.96e-04	0.0	360.0	41.74	-7.82	0.10	0.0	0.10	-6.35
179	113	6.86	0.11	3.91e-03	0.0	0.0	28.69	-2.66	0.09	0.0	-0.22	6.86
		-1.20	-0.22	-4.26e-04	0.0	360.0	30.88	-2.66	0.09	0.0	0.11	-1.20
180	1	0.03	2.24	9.19e-06	0.0	0.0	-11.01	-0.03	-2.89	0.0	2.24	0.03
		-0.03	-2.84	5.26e-04	1.34	229.0	-9.20	-0.03	-1.55	0.0	-2.84	-0.03
180	2	0.10	8.56	3.06e-05	0.0	0.0	-10.95	-0.05	-9.84	0.0	8.56	0.10
		-0.02	-12.44	2.12e-03	1.34	229.0	-9.13	-0.05	-8.50	0.0	-12.44	-0.02
180	5	0.03	2.53	9.15e-06	0.0	0.0	-4.03	-0.03	-3.49	0.0	2.53	0.03
		-0.04	-2.92	5.97e-04	2.23	229.0	-2.22	-0.03	-1.26	0.0	-2.92	-0.04
180	8	0.07	6.53	2.20e-05	0.0	0.0	0.97	-0.04	-7.91	0.0	6.53	0.07
		-0.03	-9.01	1.61e-03	2.23	229.0	2.37	-0.04	-5.67	0.0	-9.01	-0.03
180	9	0.03	1.68	7.08e-06	0.0	0.0	-9.54	-0.02	-2.13	0.0	1.68	0.03
		-0.02	-2.17	3.94e-04	0.89	229.0	-8.15	-0.02	-1.23	0.0	-2.17	-0.02
180	10	0.07	5.89	2.13e-05	0.0	0.0	-9.50	-0.04	-6.76	0.0	5.89	0.07
		-0.01	-8.57	1.45e-03	0.89	229.0	-8.11	-0.04	-5.87	0.0	-8.57	-0.01
180	11	0.03	1.87	7.05e-06	0.0	0.0	-4.89	-0.02	-2.53	0.0	1.87	0.03
		-0.03	-2.22	4.41e-04	1.49	229.0	-3.49	-0.02	-1.04	0.0	-2.22	-0.03
180	12	0.06	4.82	1.70e-05	0.0	0.0	-4.86	-0.03	-5.78	0.0	4.82	0.06
		-0.02	-6.71	1.18e-03	1.49	229.0	-3.46	-0.03	-4.29	0.0	-6.71	-0.02
180	13	0.02	1.39	7.12e-06	0.0	0.0	-16.52	-0.02	-1.52	0.0	1.39	0.02
		-0.02	-2.09	3.23e-04	0.0	229.0	-15.13	-0.02	-1.52	0.0	-2.09	-0.02
180	14	0.05	3.50	1.43e-05	0.0	0.0	-16.50	-0.02	-3.84	0.0	3.50	0.05
		-0.01	-5.29	8.53e-04	0.0	229.0	-15.11	-0.02	-3.84	0.0	-5.29	-0.01
180	15	0.02	1.49	7.10e-06	0.0	0.0	-14.20	-0.02	-1.72	0.0	1.49	0.02
		-0.02	-2.12	3.47e-04	0.30	229.0	-12.80	-0.02	-1.43	0.0	-2.12	-0.02
180	16	0.04	2.75	1.14e-05	0.0	0.0	-14.18	-0.02	-3.11	0.0	2.75	0.04
		-0.02	-4.04	6.65e-04	0.30	229.0	-12.79	-0.02	-2.82	0.0	-4.04	-0.02
180	17	0.02	1.39	7.12e-06	0.0	0.0	-16.52	-0.02	-1.52	0.0	1.39	0.02
		-0.02	-2.09	3.23e-04	0.0	229.0	-15.13	-0.02	-1.52	0.0	-2.09	-0.02
180	18	0.04	2.66	1.14e-05	0.0	0.0	-16.51	-0.02	-2.91	0.0	2.66	0.04
		-0.01	-4.01	6.41e-04	0.0	229.0	-15.11	-0.02	-2.91	0.0	-4.01	-0.01
180	24	-7.03	3.19	-2.63e-03	0.0	0.0	32.63	0.49	-3.45	0.0	3.19	-7.03
		-7.08	-4.72	9.30e-04	0.0	229.0	34.03	0.49	-3.45	0.0	-4.72	-7.08
180	25	7.15	2.12	2.65e-03	0.0	0.0	-65.65	-0.53	-2.37	0.0	2.12	7.15
		7.01	-3.31	3.59e-04	0.0	229.0	-64.26	-0.53	-2.37	0.0	-3.31	7.01
180	31	-9.08	2.37	-3.78e-03	0.0	0.0	-0.42	0.79	-2.59	0.0	2.37	-10.31
		-10.31	-3.56	6.22e-04	0.0	229.0	0.97	0.79	-2.59	0.0	-3.56	-9.08
180	34	10.39	2.94	3.80e-03	0.0	0.0	-32.60	-0.83	-3.24	0.0	2.94	10.39
		9.05	-4.46	6.60e-04	0.0	229.0	-31.20	-0.83	-3.24	0.0	-4.46	9.05
180	44	-1.89	3.97	-7.15e-04	0.0	0.0	23.55	9.72e-03	-4.31	0.0	3.97	-1.89
		-1.99	-5.89	1.09e-03	0.0	229.0	24.95	9.72e-03	-4.31	0.0	-5.89	-1.99
180	56	-5.11	3.12	-1.91e-03	0.0	0.0	20.44	0.38	-3.39	0.0	3.12	-5.11
		-5.13	-4.64	8.70e-04	0.0	229.0	21.83	0.38	-3.39	0.0	-4.64	-5.13
180	57	5.21	2.19	1.93e-03	0.0	0.0	-53.46	-0.42	-2.43	0.0	2.19	5.21
		5.09	-3.38	4.14e-04	0.0	229.0	-52.06	-0.42	-2.43	0.0	-3.38	5.09
180	63	-6.62	2.39	-2.75e-03	0.0	0.0	-6.01	0.62	-2.62	0.0	2.39	-7.51
		-7.51	-3.60	6.08e-04	0.0	229.0	-4.62	0.62	-2.62	0.0	-3.60	-6.62
180	66	7.58	2.92	2.77e-03	0.0	0.0	-27.01	-0.66	-3.21	0.0	2.92	7.58
		6.60	-4.42	6.74e-04	0.0	229.0	-25.61	-0.66	-3.21	0.0	-4.42	6.60
180	76	-1.33	3.84	-5.08e-04	0.0	0.0	16.72	-9.50e-03	-4.16	0.0	3.84	-1.33
		-1.43	-5.70	1.03e-03	0.0	229.0	18.11	-9.50e-03	-4.16	0.0	-5.70	-1.43
180	85	-0.12	1.63	-4.50e-05	0.0	0.0	-38.40	0.09	-1.81	0.0	1.63	-0.14
		-0.14	-2.53	3.22e-04	0.0	229.0	-37.01	0.09	-1.81	0.0	-2.53	-0.14
180	86	0.22	3.68	6.78e-05	0.0	0.0	5.38	-0.13	-4.01	0.0	3.68	0.22
		0.09	-5.50	9.60e-04	0.0	229.0	6.78	-0.13	-4.01	0.0	-5.50	0.09
180	92	-8.42	3.27	-3.15e-03	0.0	0.0	41.87	0.59	-3.52	0.0	3.27	-8.49
		-8.49	-4.81	9.80e-04	0.0	229.0	43.27	0.59	-3.52	0.0	-4.81	-8.42
180	93	8.56	2.04	3.18e-03	0.0	0.0	-74.89	-0.63	-2.30	0.0	2.04	8.56
		8.40	-3.21	3.15e-04	0.0	229.0	-73.50	-0.63	-2.30	0.0	-3.21	8.40
180	99	-10.83	2.33	-4.51e-03	0.0	0.0	3.15	0.94	-2.55	0.0	2.33	-12.32
		-12.32	-3.50	6.26e-04	0.0	229.0	4.54	0.94	-2.55	0.0	-3.50	-10.83
180	102	12.39	2.98	4.53e-03	0.0	0.0	-36.17	-0.98	-3.28	0.0	2.98	12.39
		10.81	-4.52	6.56e-04	0.0	229.0	-34.77	-0.98	-3.28	0.0	-4.52	10.81
180	112	-2.28	4.14	-8.62e-04	0.0	0.0	29.87	0.02	-4.49	0.0	4.14	-2.28
		-2.39	-6.13	1.15e-03	0.0	229.0	31.26	0.02	-4.49	0.0	-6.13	-2.39
181	1	9.06e-03	3.46	-1.33e-06	0.0	0.0	-8.01	0.01	-3.47	0.0	3.46	-0.02
		-0.02	-2.95	4.62e-04	1.34	229.0	-6.19	0.01	-2.13	0.0	-2.95	9.06e-03
181	2	-3.05e-03	14.17	2.95e-05	0.0	0.0	-4.78	3.92e-03	-12.82	0.0	14.17	-0.01
		-0.01	-13.65	1.94e-03	1.34	229.0	-2.97	3.92e-03	-11.48	0.0	-13.65	-3.05e-03
181	5	9.32e-03	3.72	-5.02e-06	0.0	0.0	-4.11	0.01	-4.00	0.0	3.72	-0.02
		-0.02	-2.89	4.90e-04	2.23	229.0	-2.30	0.01	-1.77	0.0	-2.89	9.32e-03

181	8	-1.15e-03	10.51	1.56e-05	0.0	0.0	1.34	6.82e-03	-9.93	0.0	10.51	-0.02
		-0.02	-9.68	1.43e-03	2.23	229.0	2.74	6.82e-03	-7.70	0.0	-9.68	-1.15e-03
181	9	6.93e-03	2.62	0.0	0.0	0.0	-6.76	8.52e-03	-2.59	0.0	2.62	-0.01
		-0.01	-2.27	3.51e-04	0.89	229.0	-5.36	8.52e-03	-1.69	0.0	-2.27	6.93e-03
181	10	-1.14e-03	9.76	2.01e-05	0.0	0.0	-4.61	3.42e-03	-8.82	0.0	9.76	-8.98e-03
		-8.98e-03	-9.41	1.34e-03	0.89	229.0	-3.21	3.42e-03	-7.93	0.0	-9.41	-1.14e-03
181	11	7.10e-03	2.80	-2.92e-06	0.0	0.0	-4.16	0.01	-2.94	0.0	2.80	-0.02
		-0.02	-2.24	3.70e-04	1.49	229.0	-2.77	0.01	-1.45	0.0	-2.24	7.10e-03
181	12	1.45e-03	7.79	1.15e-05	0.0	0.0	-2.66	6.58e-03	-7.31	0.0	7.79	-0.01
		-0.01	-7.23	1.06e-03	1.49	229.0	-1.26	6.58e-03	-5.82	0.0	-7.23	1.45e-03
181	13	6.66e-03	2.37	3.24e-06	0.0	0.0	-10.65	6.09e-03	-2.05	0.0	2.37	-7.28e-03
		-7.28e-03	-2.33	3.24e-04	0.0	229.0	-9.26	6.09e-03	-2.05	0.0	-2.33	6.66e-03
181	14	2.63e-03	5.93	1.35e-05	0.0	0.0	-9.58	3.54e-03	-5.17	0.0	5.93	-5.48e-03
		-5.48e-03	-5.90	8.17e-04	0.0	229.0	-8.18	3.54e-03	-5.17	0.0	-5.90	2.63e-03
181	15	6.75e-03	2.45	2.01e-06	0.0	0.0	-9.35	6.90e-03	-2.23	0.0	2.45	-9.05e-03
		-9.05e-03	-2.31	3.33e-04	0.30	229.0	-7.96	6.90e-03	-1.93	0.0	-2.31	6.75e-03
181	16	4.33e-03	4.59	8.17e-06	0.0	0.0	-8.71	5.37e-03	-4.10	0.0	4.59	-7.97e-03
		-7.97e-03	-4.46	6.29e-04	0.30	229.0	-7.32	5.37e-03	-3.80	0.0	-4.46	4.33e-03
181	17	6.66e-03	2.37	3.24e-06	0.0	0.0	-10.65	6.09e-03	-2.05	0.0	2.37	-7.28e-03
		-7.28e-03	-2.33	3.24e-04	0.0	229.0	-9.26	6.09e-03	-2.05	0.0	-2.33	6.66e-03
181	18	4.24e-03	4.51	9.40e-06	0.0	0.0	-10.01	4.56e-03	-3.92	0.0	4.51	-6.20e-03
		-6.20e-03	-4.47	6.19e-04	0.0	229.0	-8.61	4.56e-03	-3.92	0.0	-4.47	4.24e-03
181	24	6.61	4.98	-5.08e-03	0.0	0.0	20.17	3.68	-4.45	0.0	4.98	2.03
		2.03	-5.32	9.35e-04	0.0	229.0	21.56	3.68	-4.45	0.0	-5.32	6.61
181	25	-2.04	4.03	5.10e-03	0.0	0.0	-40.18	-3.67	-3.39	0.0	4.03	-2.04
		-6.60	-3.63	3.07e-04	0.0	229.0	-38.79	-3.67	-3.39	0.0	-3.63	-6.60
181	31	10.72	4.22	-6.49e-03	0.0	0.0	-0.03	5.17	-3.59	0.0	4.22	1.26
		1.26	-3.93	6.00e-04	0.0	229.0	1.37	5.17	-3.59	0.0	-3.93	10.72
181	34	-1.27	4.79	6.51e-03	0.0	0.0	-19.99	-5.16	-4.25	0.0	4.79	-1.27
		-10.71	-5.02	6.39e-04	0.0	229.0	-18.60	-5.16	-4.25	0.0	-5.02	-10.71
181	44	1.70	5.73	-1.49e-03	0.0	0.0	13.64	1.04	-5.32	0.0	5.73	0.81
		0.81	-6.74	1.11e-03	0.0	229.0	15.04	1.04	-5.32	0.0	-6.74	1.70
181	56	4.83	4.92	-3.69e-03	0.0	0.0	12.64	2.68	-4.38	0.0	4.92	1.49
		1.49	-5.19	8.64e-04	0.0	229.0	14.03	2.68	-4.38	0.0	-5.19	4.83
181	57	-1.51	4.09	3.70e-03	0.0	0.0	-32.66	-2.67	-3.47	0.0	4.09	-1.51
		-4.82	-3.76	3.75e-04	0.0	229.0	-31.26	-2.67	-3.47	0.0	-3.76	-4.82
181	63	7.82	4.26	-4.72e-03	0.0	0.0	-3.45	3.77	-3.64	0.0	4.26	0.94
		0.94	-4.01	5.91e-04	0.0	229.0	-2.05	3.77	-3.64	0.0	-4.01	7.82
181	66	-0.95	4.76	4.74e-03	0.0	0.0	-16.57	-3.76	-4.21	0.0	4.76	-0.95
		-7.81	-4.94	6.48e-04	0.0	229.0	-15.17	-3.76	-4.21	0.0	-4.94	-7.81
181	76	1.20	5.57	-1.08e-03	0.0	0.0	9.57	0.75	-5.12	0.0	5.57	0.62
		0.62	-6.42	1.03e-03	0.0	229.0	10.97	0.75	-5.12	0.0	-6.42	1.20
181	85	0.25	3.58	-1.10e-05	0.0	0.0	-22.65	0.06	-2.87	0.0	3.58	-0.18
		-0.18	-2.76	2.91e-04	0.0	229.0	-21.25	0.06	-2.87	0.0	-2.76	0.25
181	86	0.17	5.44	2.89e-05	0.0	0.0	2.63	-0.05	-4.97	0.0	5.44	0.17
		-0.24	-6.19	9.48e-04	0.0	229.0	4.03	-0.05	-4.97	0.0	-6.19	-0.24
181	92	7.91	5.05	-6.08e-03	0.0	0.0	25.85	4.40	-4.54	0.0	5.05	2.43
		2.43	-5.44	9.92e-04	0.0	229.0	27.25	4.40	-4.54	0.0	-5.44	7.91
181	93	-2.44	3.96	6.10e-03	0.0	0.0	-45.87	-4.39	-3.31	0.0	3.96	-2.44
		-7.91	-3.51	2.52e-04	0.0	229.0	-44.47	-4.39	-3.31	0.0	-3.51	-7.91
181	99	12.80	4.18	-7.75e-03	0.0	0.0	2.17	6.17	-3.54	0.0	4.18	1.50
		1.50	-3.85	6.01e-04	0.0	229.0	3.57	6.17	-3.54	0.0	-3.85	12.80
181	102	-1.51	4.83	7.77e-03	0.0	0.0	-22.19	-6.16	-4.30	0.0	4.83	-1.51
		-12.79	-5.10	6.38e-04	0.0	229.0	-20.80	-6.16	-4.30	0.0	-5.10	-12.79
181	112	2.05	5.90	-1.78e-03	0.0	0.0	17.38	1.25	-5.54	0.0	5.90	0.96
		0.96	-7.09	1.19e-03	0.0	229.0	18.77	1.25	-5.54	0.0	-7.09	2.05
182	2	-9.39e-05	0.03	5.50e-05	0.0	0.0	-11.14	1.12e-03	-0.09	0.0	-3.42	-4.14e-03
		-4.14e-03	-3.43	1.06e-03	2.11	360.0	-8.29	1.12e-03	2.01	0.0	0.03	-9.39e-05
182	4	-8.85e-05	0.02	5.11e-05	0.0	0.0	-9.36	1.18e-03	-0.15	0.0	-3.23	-4.32e-03
		-4.32e-03	-3.24	1.02e-03	2.11	360.0	-7.16	1.18e-03	1.96	0.0	0.02	-8.85e-05
182	5	0.01	0.33	1.70e-05	0.0	0.0	-5.31	-3.41e-03	-1.86	0.0	0.33	0.01
		-1.05e-04	-1.43	5.15e-04	3.51	360.0	-2.46	-3.41e-03	1.65	0.0	-0.04	-1.05e-04
182	7	0.01	0.53	1.31e-05	0.0	0.0	-3.52	-3.36e-03	-1.91	0.0	0.53	0.01
		-9.97e-05	-1.34	4.72e-04	3.51	360.0	-1.33	-3.36e-03	1.60	0.0	-0.04	-9.97e-05
182	10	-6.50e-05	0.02	3.84e-05	0.0	0.0	-8.22	7.25e-04	-0.04	0.0	-2.37	-2.68e-03
		-2.68e-03	-2.37	7.27e-04	1.40	360.0	-6.03	7.25e-04	1.37	0.0	0.02	-6.50e-05
182	11	8.20e-03	0.13	1.30e-05	0.0	0.0	-4.33	-2.30e-03	-1.21	0.0	0.13	8.20e-03
		-7.24e-05	-1.00	3.63e-04	2.34	360.0	-2.14	-2.30e-03	1.13	0.0	-0.02	-7.24e-05
182	14	-2.50e-05	0.02	2.56e-05	0.0	0.0	-7.57	9.11e-04	0.49	0.0	-1.74	-3.31e-03
		-3.31e-03	-1.74	3.70e-04	0.0	360.0	-5.38	9.11e-04	0.49	0.0	0.02	-2.50e-05
182	15	2.13e-03	2.46e-03	1.29e-05	0.0	0.0	-5.62	-6.01e-04	-0.10	0.0	-0.49	2.13e-03
		-2.87e-05	-0.53	1.88e-04	0.47	360.0	-3.43	-6.01e-04	0.37	0.0	2.46e-03	-2.87e-05
182	17	6.17e-04	9.27e-03	1.29e-05	0.0	0.0	-5.95	-1.76e-04	0.18	0.0	-0.65	6.17e-04
		-1.78e-05	-0.65	1.44e-04	0.0	360.0	-3.75	-1.76e-04	0.18	0.0	9.27e-03	-1.78e-05
182	18	-2.21e-05	0.02	2.05e-05	0.0	0.0	-6.92	4.76e-04	0.37	0.0	-1.30	-1.74e-03

182	19	-1.74e-03	-1.30	2.79e-04	0.0	360.0	-4.73	4.76e-04	0.37	0.0	0.02	-2.21e-05
		4.89	0.02	-1.25e-03	0.0	0.0	-15.21	-1.36	0.47	0.0	-1.67	4.89
		0.01	-1.67	-3.93e-04	0.0	360.0	-13.02	-1.36	0.47	0.0	0.02	0.01
182	22	-0.01	0.02	1.29e-03	0.0	0.0	1.37	1.36	0.27	0.0	-0.94	-4.89
		-4.89	-0.94	5.19e-04	0.0	360.0	3.56	1.36	0.27	0.0	0.02	-0.01
182	32	8.41	0.01	7.82e-04	0.0	0.0	-9.82	-2.34	0.34	0.0	-1.19	8.41
		-6.72e-03	-1.19	1.88e-04	0.0	360.0	-7.63	-2.34	0.34	0.0	0.01	-6.72e-03
182	33	6.67e-03	0.03	-7.41e-04	0.0	0.0	-4.02	2.34	0.40	0.0	-1.42	-8.41
		-8.41	-1.42	3.88e-04	0.0	360.0	-1.83	2.34	0.40	0.0	0.03	6.67e-03
182	35	1.42	0.03	-2.69e-04	0.0	0.0	-12.72	-0.39	0.62	0.0	-2.21	1.42
		3.53e-03	-2.21	3.25e-04	0.0	360.0	-10.52	-0.39	0.62	0.0	0.03	3.53e-03
182	49	3.08e-03	0.03	-3.54e-04	0.0	0.0	-8.90	0.74	0.53	0.0	-1.88	-2.65
		-2.65	-1.88	3.45e-04	0.0	360.0	-6.70	0.74	0.53	0.0	0.03	3.08e-03
182	51	3.58	0.02	-8.85e-04	0.0	0.0	-13.11	-0.99	0.45	0.0	-1.61	3.58
		7.59e-03	-1.61	-2.79e-04	0.0	360.0	-10.92	-0.99	0.45	0.0	0.02	7.59e-03
182	54	-7.63e-03	0.02	9.26e-04	0.0	0.0	-0.73	0.99	0.28	0.0	-1.00	-3.58
		-3.58	-1.00	4.21e-04	0.0	360.0	1.47	0.99	0.28	0.0	0.02	-7.63e-03
182	64	6.15	0.01	5.86e-04	0.0	0.0	-8.88	-1.71	0.34	0.0	-1.20	6.15
		-5.02e-03	-1.20	2.11e-04	0.0	360.0	-6.68	-1.71	0.34	0.0	0.01	-5.02e-03
182	65	4.97e-03	0.02	-5.45e-04	0.0	0.0	-4.97	1.71	0.40	0.0	-1.41	-6.15
		-6.15	-1.41	3.59e-04	0.0	360.0	-2.77	1.71	0.40	0.0	0.02	4.97e-03
182	67	1.04	0.03	-1.73e-04	0.0	0.0	-11.69	-0.29	0.59	0.0	-2.09	1.04
		2.70e-03	-2.09	3.23e-04	0.0	360.0	-9.50	-0.29	0.59	0.0	0.03	2.70e-03
182	81	2.42e-03	0.03	-2.83e-04	0.0	0.0	-8.88	0.54	0.51	0.0	-1.82	-1.95
		-1.95	-1.82	3.33e-04	0.0	360.0	-6.69	0.54	0.51	0.0	0.03	2.42e-03
182	83	4.10e-04	0.03	1.00e-04	0.0	0.0	-9.80	0.01	0.56	0.0	-1.99	-0.04
		-0.04	-1.99	3.42e-04	0.0	360.0	-7.61	0.01	0.56	0.0	0.03	4.10e-04
182	84	0.03	0.01	-5.90e-05	0.0	0.0	-4.04	-9.05e-03	0.18	0.0	-0.62	0.03
		-4.54e-04	-0.62	2.52e-04	0.0	360.0	-1.85	-9.05e-03	0.18	0.0	0.01	-4.54e-04
182	85	9.16e-04	0.03	-1.12e-04	0.0	0.0	-9.44	0.03	0.50	0.0	-1.78	-0.10
		-0.10	-1.78	3.13e-04	0.0	360.0	-7.25	0.03	0.50	0.0	0.03	9.16e-04
182	86	0.10	9.18e-03	1.53e-04	0.0	0.0	-4.40	-0.03	0.24	0.0	-0.83	0.10
		-9.61e-04	-0.83	2.65e-04	0.0	360.0	-2.20	-0.03	0.24	0.0	9.18e-03	-9.61e-04
182	87	5.84	0.02	-1.50e-03	0.0	0.0	-16.78	-1.62	0.48	0.0	-1.72	5.84
		0.01	-1.72	-4.79e-04	0.0	360.0	-14.59	-1.62	0.48	0.0	0.02	0.01
182	90	-0.01	0.02	1.55e-03	0.0	0.0	2.94	1.62	0.25	0.0	-0.89	-5.85
		-5.85	-0.89	6.05e-04	0.0	360.0	5.13	1.62	0.25	0.0	0.02	-0.01
182	100	10.03	9.44e-03	9.27e-04	0.0	0.0	-10.44	-2.79	0.33	0.0	-1.18	10.03
		-7.97e-03	-1.18	1.72e-04	0.0	360.0	-8.25	-2.79	0.33	0.0	9.44e-03	-7.97e-03
182	101	7.93e-03	0.03	-8.86e-04	0.0	0.0	-3.40	2.79	0.40	0.0	-1.43	-10.04
		-10.04	-1.43	4.09e-04	0.0	360.0	-1.20	2.79	0.40	0.0	0.03	7.93e-03
182	103	1.70	0.03	-3.34e-04	0.0	0.0	-13.64	-0.47	0.66	0.0	-2.34	1.70
		4.17e-03	-2.34	3.31e-04	0.0	360.0	-11.45	-0.47	0.66	0.0	0.03	4.17e-03
182	117	3.62e-03	0.04	-4.16e-04	0.0	0.0	-9.07	0.88	0.55	0.0	-1.95	-3.15
		-3.15	-1.95	3.55e-04	0.0	360.0	-6.88	0.88	0.55	0.0	0.04	3.62e-03
183	1	6.63e-03	1.95	3.48e-06	0.0	0.0	-3.93	-1.85e-03	-1.60	0.0	1.95	6.63e-03
		-2.11e-05	-0.25	-1.05e-04	2.11	360.0	-1.08	-1.85e-03	0.50	0.0	-0.03	-2.11e-05
183	2	-4.46e-05	6.37	4.24e-05	0.0	0.0	-0.65	6.12e-04	-2.85	0.0	6.37	-2.25e-03
		-2.25e-03	-0.09	-1.02e-03	2.11	360.0	2.20	6.12e-04	-0.74	0.0	-0.09	-4.46e-05
183	4	-4.20e-05	6.08	3.95e-05	0.0	0.0	0.62	1.02e-03	-2.76	0.0	6.08	-3.71e-03
		-3.71e-03	-0.08	-9.65e-04	2.11	360.0	2.82	1.02e-03	-0.66	0.0	-0.08	-4.20e-05
183	5	6.83e-03	2.41	-2.72e-06	0.0	0.0	-2.87	-1.90e-03	-2.44	0.0	2.41	6.83e-03
		-2.74e-05	-0.62	1.26e-04	3.51	360.0	-0.02	-1.90e-03	1.07	0.0	-0.05	-2.74e-05
183	7	5.36e-03	2.12	-5.67e-06	0.0	0.0	-1.59	-1.50e-03	-2.36	0.0	2.12	5.36e-03
		-2.48e-05	-0.71	1.68e-04	3.51	360.0	0.60	-1.50e-03	1.15	0.0	-0.04	-2.48e-05
183	8	-4.12e-05	5.21	2.16e-05	0.0	0.0	0.70	2.26e-04	-3.23	0.0	5.21	-8.55e-04
		-8.55e-04	-0.11	-5.72e-04	3.51	360.0	2.89	2.26e-04	0.28	0.0	-0.08	-4.12e-05
183	9	5.07e-03	1.43	3.63e-06	0.0	0.0	-3.19	-1.41e-03	-1.10	0.0	1.43	5.07e-03
		-1.52e-05	-0.14	-9.24e-05	1.40	360.0	-1.00	-1.41e-03	0.30	0.0	-0.02	-1.52e-05
183	10	-3.09e-05	4.37	2.96e-05	0.0	0.0	-1.00	2.27e-04	-1.93	0.0	4.37	-8.47e-04
		-8.47e-04	-0.06	-7.10e-04	1.40	360.0	1.19	2.27e-04	-0.53	0.0	-0.06	-3.09e-05
183	11	5.20e-03	1.73	0.0	0.0	0.0	-2.48	-1.45e-03	-1.66	0.0	1.73	5.20e-03
		-1.95e-05	-0.38	6.60e-05	2.34	360.0	-0.29	-1.45e-03	0.68	0.0	-0.03	-1.95e-05
183	12	1.06e-03	3.80	1.77e-05	0.0	0.0	-0.95	-3.02e-04	-2.24	0.0	3.80	1.06e-03
		-3.05e-05	-0.06	-4.48e-04	2.34	360.0	1.24	-3.02e-04	0.10	0.0	-0.06	-3.05e-05
183	13	4.88e-03	0.96	9.83e-06	0.0	0.0	-4.25	-1.36e-03	-0.27	0.0	0.96	4.88e-03
		-8.88e-06	-0.01	-1.98e-04	0.0	360.0	-2.06	-1.36e-03	-0.27	0.0	-0.01	-8.88e-06
183	14	1.92e-03	2.44	2.28e-05	0.0	0.0	-3.16	-5.39e-04	-0.69	0.0	2.44	1.92e-03
		-1.67e-05	-0.03	-5.14e-04	0.0	360.0	-0.96	-5.39e-04	-0.69	0.0	-0.03	-1.67e-05
183	15	4.95e-03	1.12	7.76e-06	0.0	0.0	-3.90	-1.38e-03	-0.55	0.0	1.12	4.95e-03
		-1.10e-05	-0.02	-1.61e-04	0.47	360.0	-1.70	-1.38e-03	-0.08	0.0	-0.02	-1.10e-05
183	17	4.88e-03	0.96	9.83e-06	0.0	0.0	-4.25	-1.36e-03	-0.27	0.0	0.96	4.88e-03
		-8.88e-06	-0.01	-1.98e-04	0.0	360.0	-2.06	-1.36e-03	-0.27	0.0	-0.01	-8.88e-06
183	18	3.11e-03	1.85	1.76e-05	0.0	0.0	-3.59	-8.67e-04	-0.52	0.0	1.85	3.11e-03
		-1.36e-05	-0.02	-3.88e-04	0.0	360.0	-1.40	-8.67e-04	-0.52	0.0	-0.02	-1.36e-05

183	24	5.72	2.31	-2.22e-03	0.0	0.0	5.29	-1.59	-0.65	0.0	2.31	5.72
		0.01	-0.03	3.91e-04	0.0	360.0	7.48	-1.59	-0.65	0.0	-0.03	0.01
183	25	-0.01	1.38	2.26e-03	0.0	0.0	-12.48	1.59	-0.39	0.0	1.38	-5.72
		-5.72	-0.02	-5.66e-04	0.0	360.0	-10.28	1.59	-0.39	0.0	-0.02	-0.01
183	31	9.84	1.60	-8.81e-04	0.0	0.0	-0.89	-2.74	-0.45	0.0	1.60	9.84
		-3.53e-03	-0.02	-2.78e-04	0.0	360.0	1.30	-2.74	-0.45	0.0	-0.02	-3.53e-03
183	34	3.50e-03	2.09	8.98e-04	0.0	0.0	-6.30	2.73	-0.59	0.0	2.09	-9.84
		-9.84	-0.03	-5.14e-04	0.0	360.0	-4.11	2.73	-0.59	0.0	-0.03	3.50e-03
183	36	1.65	2.62	-7.90e-04	0.0	0.0	2.35	-0.46	-0.73	0.0	2.62	1.65
		4.34e-03	-0.04	-4.15e-04	0.0	360.0	4.54	-0.46	-0.73	0.0	-0.04	4.34e-03
183	44	1.51	2.99	-4.92e-04	0.0	0.0	2.96	-0.42	-0.84	0.0	2.99	1.51
		2.26e-03	-0.04	-4.73e-04	0.0	360.0	5.15	-0.42	-0.84	0.0	-0.04	2.26e-03
183	56	4.18	2.24	-1.59e-03	0.0	0.0	3.05	-1.16	-0.63	0.0	2.24	4.18
		8.76e-03	-0.03	-3.30e-04	0.0	360.0	5.25	-1.16	-0.63	0.0	-0.03	8.76e-03
183	57	-8.79e-03	1.46	1.62e-03	0.0	0.0	-10.24	1.16	-0.41	0.0	1.46	-4.18
		-4.18	-0.02	-5.01e-04	0.0	360.0	-8.05	1.16	-0.41	0.0	-0.02	-8.79e-03
183	63	7.18	1.63	-6.44e-04	0.0	0.0	-1.81	-2.00	-0.46	0.0	1.63	7.18
		-2.60e-03	-0.02	-3.04e-04	0.0	360.0	0.38	-2.00	-0.46	0.0	-0.02	-2.60e-03
183	66	2.57e-03	2.06	6.62e-04	0.0	0.0	-5.38	1.99	-0.58	0.0	2.06	-7.18
		-7.18	-0.03	-4.82e-04	0.0	360.0	-3.19	1.99	-0.58	0.0	-0.03	2.57e-03
183	68	1.20	2.53	-5.85e-04	0.0	0.0	1.33	-0.33	-0.71	0.0	2.53	1.20
		3.30e-03	-0.04	-4.17e-04	0.0	360.0	3.53	-0.33	-0.71	0.0	-0.04	3.30e-03
183	76	1.07	2.83	-3.14e-04	0.0	0.0	1.80	-0.30	-0.79	0.0	2.83	1.07
		1.49e-03	-0.03	-4.64e-04	0.0	360.0	3.99	-0.30	-0.79	0.0	-0.03	1.49e-03
183	84	4.97e-04	2.43	-7.87e-05	0.0	0.0	-0.65	0.02	-0.68	0.0	2.43	-0.07
		-0.07	-0.03	-4.37e-04	0.0	360.0	1.54	0.02	-0.68	0.0	-0.03	4.97e-04
183	85	0.18	1.00	-1.31e-04	0.0	0.0	-6.95	-0.05	-0.28	0.0	1.00	0.18
		1.10e-03	-0.01	-3.25e-04	0.0	360.0	-4.76	-0.05	-0.28	0.0	-0.01	1.10e-03
183	86	-1.13e-03	2.70	1.66e-04	0.0	0.0	-0.24	0.05	-0.76	0.0	2.70	-0.18
		-0.18	-0.03	-4.80e-04	0.0	360.0	1.96	0.05	-0.76	0.0	-0.03	-1.13e-03
183	92	6.85	2.39	-2.67e-03	0.0	0.0	6.97	-1.90	-0.67	0.0	2.39	6.85
		0.01	-0.03	4.79e-04	0.0	360.0	9.16	-1.90	-0.67	0.0	-0.03	0.01
183	93	-0.01	1.31	2.71e-03	0.0	0.0	-14.16	1.90	-0.37	0.0	1.31	-6.84
		-6.84	-0.02	-6.27e-04	0.0	360.0	-11.97	1.90	-0.37	0.0	-0.02	-0.01
183	99	11.75	1.57	-1.05e-03	0.0	0.0	-0.29	-3.26	-0.44	0.0	1.57	11.75
		-4.19e-03	-0.02	-2.58e-04	0.0	360.0	1.90	-3.26	-0.44	0.0	-0.02	-4.19e-03
183	102	4.17e-03	2.13	1.07e-03	0.0	0.0	-6.89	3.26	-0.60	0.0	2.13	-11.74
		-11.74	-0.03	-5.38e-04	0.0	360.0	-4.70	3.26	-0.60	0.0	-0.03	4.17e-03
183	104	1.97	2.73	-9.44e-04	0.0	0.0	3.27	-0.55	-0.76	0.0	2.73	1.97
		5.14e-03	-0.04	-4.18e-04	0.0	360.0	5.46	-0.55	-0.76	0.0	-0.04	5.14e-03
183	112	1.81	3.17	-6.06e-04	0.0	0.0	4.00	-0.50	-0.89	0.0	3.17	1.81
		2.76e-03	-0.04	-4.86e-04	0.0	360.0	6.20	-0.50	-0.89	0.0	-0.04	2.76e-03
186	1	0.0	0.0	-2.58e-06	0.0	0.0	-1.98	1.32e-04	4.65e-03	0.0	-0.02	-4.75e-04
		-4.75e-04	-0.02	7.81e-05	0.0	360.0	0.87	1.32e-04	4.65e-03	0.0	0.0	0.0
186	2	4.58e-03	0.0	2.49e-05	0.0	0.0	13.73	-1.27e-03	0.02	0.0	-0.06	4.58e-03
		0.0	-0.06	7.09e-05	0.0	360.0	16.58	-1.27e-03	0.02	0.0	0.0	0.0
186	4	4.19e-03	0.0	2.28e-05	0.0	0.0	14.42	-1.17e-03	0.02	0.0	-0.06	4.19e-03
		0.0	-0.06	7.39e-05	0.0	360.0	16.62	-1.17e-03	0.02	0.0	0.0	0.0
186	7	0.0	0.0	-1.25e-05	0.0	0.0	-0.58	6.40e-04	5.65e-03	0.0	-0.02	-2.30e-03
		-2.30e-03	-0.02	1.42e-04	0.0	360.0	1.61	6.40e-04	5.65e-03	0.0	0.0	0.0
186	9	0.0	0.0	0.0	0.0	0.0	-1.63	3.99e-05	3.34e-03	0.0	-0.01	-1.44e-04
		-1.44e-04	-0.01	5.07e-05	0.0	360.0	0.57	3.99e-05	3.34e-03	0.0	0.0	0.0
186	10	3.23e-03	0.0	1.76e-05	0.0	0.0	8.84	-8.97e-04	0.01	0.0	-0.04	3.23e-03
		0.0	-0.04	4.59e-05	0.0	360.0	11.03	-8.97e-04	0.01	0.0	0.0	0.0
186	11	0.0	0.0	-6.01e-06	0.0	0.0	-1.16	3.07e-04	4.37e-03	0.0	-0.02	-1.10e-03
		-1.10e-03	-0.02	9.12e-05	0.0	360.0	1.03	3.07e-04	4.37e-03	0.0	0.0	0.0
186	13	1.30e-03	0.0	7.06e-06	0.0	0.0	-2.32	-3.60e-04	1.81e-03	0.0	-6.50e-03	1.30e-03
		0.0	-6.50e-03	-9.96e-06	0.0	360.0	-0.13	-3.60e-04	1.81e-03	0.0	0.0	0.0
186	14	2.98e-03	0.0	1.62e-05	0.0	0.0	2.91	-8.28e-04	5.73e-03	0.0	-0.02	2.98e-03
		0.0	-0.02	-1.24e-05	0.0	360.0	5.10	-8.28e-04	5.73e-03	0.0	0.0	0.0
186	17	1.30e-03	0.0	7.06e-06	0.0	0.0	-2.32	-3.60e-04	1.81e-03	0.0	-6.50e-03	1.30e-03
		0.0	-6.50e-03	-9.96e-06	0.0	360.0	-0.13	-3.60e-04	1.81e-03	0.0	0.0	0.0
186	18	2.31e-03	0.0	1.26e-05	0.0	0.0	0.82	-6.41e-04	4.16e-03	0.0	-0.01	2.31e-03
		0.0	-0.01	-1.14e-05	0.0	360.0	3.01	-6.41e-04	4.16e-03	0.0	0.0	0.0
186	24	3.12	0.0	-5.30e-03	0.0	0.0	-0.35	-0.87	0.02	0.0	-0.06	3.12
		0.0	-0.06	4.49e-04	0.0	360.0	1.84	-0.87	0.02	0.0	0.0	0.0
186	25	0.0	0.03	5.33e-03	0.0	0.0	1.98	0.87	-7.21e-03	0.0	0.03	-3.12
		-3.12	0.0	-4.72e-04	0.0	360.0	4.17	0.87	-7.21e-03	0.0	0.0	0.0
186	31	4.44	0.0	-4.74e-03	0.0	0.0	1.22	-1.23	7.82e-03	0.0	-0.03	4.44
		0.0	-0.03	1.39e-04	0.0	360.0	3.42	-1.23	7.82e-03	0.0	0.0	0.0
186	34	0.0	0.0	4.77e-03	0.0	0.0	0.41	1.23	4.93e-04	0.0	-1.78e-03	-4.44
		-4.44	-1.78e-03	-1.62e-04	0.0	360.0	2.60	1.23	4.93e-04	0.0	0.0	0.0
186	44	0.87	0.0	-1.63e-03	0.0	0.0	-1.87	-0.24	0.02	0.0	-0.06	0.87
		0.0	-0.06	3.52e-04	0.0	360.0	0.33	-0.24	0.02	0.0	0.0	0.0
186	45	0.0	0.03	1.66e-03	0.0	0.0	3.50	0.24	-7.04e-03	0.0	0.03	-0.87

186	63	-0.87	0.0	-3.75e-04	0.0	360.0	5.69	0.24	-7.04e-03	0.0	0.0	0.0
		3.24	0.0	-3.44e-03	0.0	0.0	1.21	-0.90	6.47e-03	0.0	-0.02	3.24
		0.0	-0.02	8.76e-05	0.0	360.0	3.40	-0.90	6.47e-03	0.0	0.0	0.0
186	66	0.0	0.0	3.47e-03	0.0	0.0	0.42	0.90	1.84e-03	0.0	-6.64e-03	-3.24
		-3.24	-6.64e-03	-1.10e-04	0.0	360.0	2.61	0.90	1.84e-03	0.0	0.0	0.0
186	76	0.64	0.0	-1.19e-03	0.0	0.0	-1.51	-0.18	0.01	0.0	-0.05	0.64
		0.0	-0.05	2.89e-04	0.0	360.0	0.68	-0.18	0.01	0.0	0.0	0.0
186	77	0.0	0.02	1.21e-03	0.0	0.0	3.15	0.18	-5.17e-03	0.0	0.02	-0.63
		-0.63	0.0	-3.12e-04	0.0	360.0	5.34	0.18	-5.17e-03	0.0	0.0	0.0
186	85	0.06	9.03e-03	5.44e-05	0.0	0.0	2.83	-0.02	-2.51e-03	0.0	9.03e-03	0.06
		0.0	0.0	-2.06e-04	0.0	360.0	5.02	-0.02	-2.51e-03	0.0	0.0	0.0
186	86	0.0	0.0	-2.93e-05	0.0	0.0	-1.19	0.01	0.01	0.0	-0.04	-0.05
		-0.05	-0.04	1.83e-04	0.0	360.0	1.00	0.01	0.01	0.0	0.0	0.0
186	92	3.72	0.0	-6.36e-03	0.0	0.0	-0.53	-1.03	0.02	0.0	-0.06	3.72
		0.0	-0.06	5.36e-04	0.0	360.0	1.66	-1.03	0.02	0.0	0.0	0.0
186	93	0.0	0.03	6.39e-03	0.0	0.0	2.16	1.03	-9.33e-03	0.0	0.03	-3.71
		-3.71	0.0	-5.59e-04	0.0	360.0	4.36	1.03	-9.33e-03	0.0	0.0	0.0
186	99	5.29	0.0	-5.67e-03	0.0	0.0	1.26	-1.47	8.66e-03	0.0	-0.03	5.29
		0.0	-0.03	1.73e-04	0.0	360.0	3.46	-1.47	8.66e-03	0.0	0.0	0.0
186	102	0.0	1.24e-03	5.69e-03	0.0	0.0	0.37	1.47	-3.44e-04	0.0	1.24e-03	-5.29
		-5.29	0.0	-1.95e-04	0.0	360.0	2.56	1.47	-3.44e-04	0.0	0.0	0.0
186	112	1.04	0.0	-1.96e-03	0.0	0.0	-2.26	-0.29	0.02	0.0	-0.06	1.04
		0.0	-0.06	4.10e-04	0.0	360.0	-0.06	-0.29	0.02	0.0	0.0	0.0
186	113	0.0	0.03	1.98e-03	0.0	0.0	3.89	0.29	-8.80e-03	0.0	0.03	-1.03
		-1.03	0.0	-4.32e-04	0.0	360.0	6.08	0.29	-8.80e-03	0.0	0.0	0.0
187	2	4.57e-03	0.0	2.49e-05	0.0	0.0	-9.24	-1.27e-03	0.01	0.0	-0.05	4.57e-03
		0.0	-0.05	1.74e-05	0.0	360.0	-6.39	-1.27e-03	0.01	0.0	0.0	0.0
187	3	0.0	0.0	-4.75e-06	0.0	0.0	-4.73	2.43e-04	3.83e-03	0.0	-0.01	-8.73e-04
		-8.73e-04	-0.01	6.89e-05	0.0	360.0	-2.54	2.43e-04	3.83e-03	0.0	0.0	0.0
187	7	0.0	0.0	-1.26e-05	0.0	0.0	-3.76	6.43e-04	5.61e-03	0.0	-0.02	-2.31e-03
		-2.31e-03	-0.02	1.25e-04	0.0	360.0	-1.56	6.43e-04	5.61e-03	0.0	0.0	0.0
187	9	0.0	0.0	0.0	0.0	0.0	-5.22	4.26e-05	2.95e-03	0.0	-0.01	-1.53e-04
		-1.53e-04	-0.01	4.11e-05	0.0	360.0	-3.03	4.26e-05	2.95e-03	0.0	0.0	0.0
187	10	3.22e-03	0.0	1.75e-05	0.0	0.0	-6.99	-8.95e-04	9.23e-03	0.0	-0.03	3.22e-03
		0.0	-0.03	1.05e-05	0.0	360.0	-4.80	-8.95e-04	9.23e-03	0.0	0.0	0.0
187	11	0.0	0.0	-6.06e-06	0.0	0.0	-4.57	3.09e-04	4.13e-03	0.0	-0.01	-1.11e-03
		-1.11e-03	-0.01	7.82e-05	0.0	360.0	-2.38	3.09e-04	4.13e-03	0.0	0.0	0.0
187	13	1.29e-03	0.0	7.00e-06	0.0	0.0	-6.20	-3.57e-04	1.17e-03	0.0	-4.21e-03	1.29e-03
		0.0	-4.21e-03	-1.45e-05	0.0	360.0	-4.00	-3.57e-04	1.17e-03	0.0	0.0	0.0
187	14	2.97e-03	0.0	1.62e-05	0.0	0.0	-7.08	-8.26e-04	4.31e-03	0.0	-0.02	2.97e-03
		0.0	-0.02	-3.11e-05	0.0	360.0	-4.89	-8.26e-04	4.31e-03	0.0	0.0	0.0
187	15	8.07e-04	0.0	4.39e-06	0.0	0.0	-5.87	-2.24e-04	1.76e-03	0.0	-6.34e-03	8.07e-04
		0.0	-6.34e-03	4.02e-06	0.0	360.0	-3.68	-2.24e-04	1.76e-03	0.0	0.0	0.0
187	17	1.29e-03	0.0	7.00e-06	0.0	0.0	-6.20	-3.57e-04	1.17e-03	0.0	-4.21e-03	1.29e-03
		0.0	-4.21e-03	-1.45e-05	0.0	360.0	-4.00	-3.57e-04	1.17e-03	0.0	0.0	0.0
187	18	2.30e-03	0.0	1.25e-05	0.0	0.0	-6.73	-6.39e-04	3.05e-03	0.0	-0.01	2.30e-03
		0.0	-0.01	-2.45e-05	0.0	360.0	-4.53	-6.39e-04	3.05e-03	0.0	0.0	0.0
187	31	4.44	0.02	-4.74e-03	0.0	0.0	-7.22	-1.23	-5.64e-03	0.0	0.02	4.44
		0.0	0.0	-3.00e-04	0.0	360.0	-5.03	-1.23	-5.64e-03	0.0	0.0	0.0
187	34	0.0	0.0	4.77e-03	0.0	0.0	-6.24	1.23	0.01	0.0	-0.04	-4.44
		-4.44	-0.04	2.52e-04	0.0	360.0	-4.04	1.23	0.01	0.0	0.0	0.0
187	35	0.97	0.04	-1.55e-03	0.0	0.0	-7.85	-0.27	-9.91e-03	0.0	0.04	0.97
		0.0	0.0	-3.57e-04	0.0	360.0	-5.66	-0.27	-9.91e-03	0.0	0.0	0.0
187	38	0.0	0.0	1.58e-03	0.0	0.0	-5.60	0.27	0.02	0.0	-0.06	-0.97
		-0.97	-0.06	3.08e-04	0.0	360.0	-3.41	0.27	0.02	0.0	0.0	0.0
187	39	1.36	0.03	-1.39e-03	0.0	0.0	-7.86	-0.38	-9.09e-03	0.0	0.03	1.36
		0.0	0.0	-3.09e-04	0.0	360.0	-5.67	-0.38	-9.09e-03	0.0	0.0	0.0
187	42	0.0	0.0	1.42e-03	0.0	0.0	-5.59	0.38	0.02	0.0	-0.05	-1.35
		-1.35	-0.05	2.60e-04	0.0	360.0	-3.40	0.38	0.02	0.0	0.0	0.0
187	63	3.24	0.01	-3.44e-03	0.0	0.0	-7.12	-0.90	-3.63e-03	0.0	0.01	3.24
		0.0	0.0	-2.35e-04	0.0	360.0	-4.93	-0.90	-3.63e-03	0.0	0.0	0.0
187	66	0.0	0.0	3.47e-03	0.0	0.0	-6.33	0.90	9.74e-03	0.0	-0.04	-3.24
		-3.24	-0.04	1.86e-04	0.0	360.0	-4.14	0.90	9.74e-03	0.0	0.0	0.0
187	67	0.72	0.03	-1.12e-03	0.0	0.0	-7.70	-0.20	-7.82e-03	0.0	0.03	0.72
		0.0	0.0	-3.01e-04	0.0	360.0	-5.51	-0.20	-7.82e-03	0.0	0.0	0.0
187	70	0.0	0.0	1.14e-03	0.0	0.0	-5.75	0.20	0.01	0.0	-0.05	-0.72
		-0.72	-0.05	2.52e-04	0.0	360.0	-3.56	0.20	0.01	0.0	0.0	0.0
187	71	0.99	0.03	-1.01e-03	0.0	0.0	-7.71	-0.28	-7.24e-03	0.0	0.03	0.99
		0.0	0.0	-2.66e-04	0.0	360.0	-5.51	-0.28	-7.24e-03	0.0	0.0	0.0
187	74	0.0	0.0	1.03e-03	0.0	0.0	-5.75	0.27	0.01	0.0	-0.05	-0.99
		-0.99	-0.05	2.17e-04	0.0	360.0	-3.55	0.27	0.01	0.0	0.0	0.0
187	83	0.02	0.02	3.34e-05	0.0	0.0	-7.55	-6.80e-03	-4.93e-03	0.0	0.02	0.02
		0.0	0.0	-1.98e-04	0.0	360.0	-5.36	-6.80e-03	-4.93e-03	0.0	0.0	0.0
187	84	0.0	0.0	-8.33e-06	0.0	0.0	-5.90	5.53e-03	0.01	0.0	-0.04	-0.02
		-0.02	-0.04	1.49e-04	0.0	360.0	-3.71	5.53e-03	0.01	0.0	0.0	0.0

187	85	0.06	0.01	5.44e-05	0.0	0.0	-7.27	-0.02	-2.84e-03	0.0	0.01	0.06
		0.0	0.0	-1.69e-04	0.0	360.0	-5.08	-0.02	-2.84e-03	0.0	0.0	0.0
187	86	0.0	0.0	-2.94e-05	0.0	0.0	-6.18	0.01	8.95e-03	0.0	-0.03	-0.05
		-0.05	-0.03	1.20e-04	0.0	360.0	-3.99	0.01	8.95e-03	0.0	0.0	0.0
187	99	5.29	0.03	-5.66e-03	0.0	0.0	-7.30	-1.47	-7.20e-03	0.0	0.03	5.29
		0.0	0.0	-3.50e-04	0.0	360.0	-5.11	-1.47	-7.20e-03	0.0	0.0	0.0
187	102	0.0	0.0	5.69e-03	0.0	0.0	-6.15	1.47	0.01	0.0	-0.05	-5.29
		-5.29	-0.05	3.01e-04	0.0	360.0	-3.96	1.47	0.01	0.0	0.0	0.0
187	103	1.16	0.04	-1.87e-03	0.0	0.0	-8.02	-0.32	-0.01	0.0	0.04	1.16
		0.0	0.0	-4.09e-04	0.0	360.0	-5.82	-0.32	-0.01	0.0	0.0	0.0
187	106	0.0	0.0	1.89e-03	0.0	0.0	-5.44	0.32	0.02	0.0	-0.06	-1.15
		-1.15	-0.06	3.60e-04	0.0	360.0	-3.24	0.32	0.02	0.0	0.0	0.0
187	107	1.62	0.04	-1.67e-03	0.0	0.0	-8.03	-0.45	-0.01	0.0	0.04	1.62
		0.0	0.0	-3.52e-04	0.0	360.0	-5.83	-0.45	-0.01	0.0	0.0	0.0
187	110	0.0	0.0	1.69e-03	0.0	0.0	-5.43	0.45	0.02	0.0	-0.06	-1.61
		-1.61	-0.06	3.03e-04	0.0	360.0	-3.23	0.45	0.02	0.0	0.0	0.0
188	1	-4.75e-04	0.03	-2.07e-06	0.0	0.0	-4.43	1.32e-04	-0.01	0.0	0.03	-9.49e-04
		-9.49e-04	-0.02	9.62e-05	0.0	360.0	-1.58	1.32e-04	-0.01	0.0	-0.02	-4.75e-04
188	2	9.17e-03	0.09	2.00e-05	0.0	0.0	29.87	-1.27e-03	-0.04	0.0	0.09	9.17e-03
		4.58e-03	-0.06	1.44e-04	0.0	360.0	32.72	-1.27e-03	-0.04	0.0	-0.06	4.58e-03
188	4	8.39e-03	0.09	1.83e-05	0.0	0.0	31.25	-1.17e-03	-0.04	0.0	0.09	8.39e-03
		4.19e-03	-0.06	1.44e-04	0.0	360.0	33.44	-1.17e-03	-0.04	0.0	-0.06	4.19e-03
188	7	-2.30e-03	0.04	-1.00e-05	0.0	0.0	-2.02	6.40e-04	-0.02	0.0	0.04	-4.61e-03
		-4.61e-03	-0.02	1.62e-04	0.0	360.0	0.17	6.40e-04	-0.02	0.0	-0.02	-2.30e-03
188	9	-1.44e-04	0.02	0.0	0.0	0.0	-3.57	3.99e-05	-9.51e-03	0.0	0.02	-2.87e-04
		-2.87e-04	-0.01	6.40e-05	0.0	360.0	-1.37	3.99e-05	-9.51e-03	0.0	-0.01	-1.44e-04
188	10	6.46e-03	0.06	1.41e-05	0.0	0.0	19.30	-8.97e-04	-0.03	0.0	0.06	6.46e-03
		3.23e-03	-0.04	9.57e-05	0.0	360.0	21.49	-8.97e-04	-0.03	0.0	-0.04	3.23e-03
188	11	-1.10e-03	0.03	-4.81e-06	0.0	0.0	-2.88	3.07e-04	-0.01	0.0	0.03	-2.21e-03
		-2.21e-03	-0.02	1.07e-04	0.0	360.0	-0.69	3.07e-04	-0.01	0.0	-0.02	-1.10e-03
188	13	2.59e-03	8.45e-03	5.65e-06	0.0	0.0	-4.60	-3.60e-04	-4.15e-03	0.0	8.45e-03	2.59e-03
		1.30e-03	-6.50e-03	0.0	0.0	360.0	-2.40	-3.60e-04	-4.15e-03	0.0	-6.50e-03	1.30e-03
188	14	5.96e-03	0.03	1.30e-05	0.0	0.0	6.84	-8.28e-04	-0.01	0.0	0.03	5.96e-03
		2.98e-03	-0.02	1.49e-05	0.0	360.0	9.03	-8.28e-04	-0.01	0.0	-0.02	2.98e-03
188	15	1.63e-03	0.01	3.56e-06	0.0	0.0	-4.25	-2.27e-04	-5.94e-03	0.0	0.01	1.63e-03
		8.16e-04	-8.35e-03	2.07e-05	0.0	360.0	-2.06	-2.27e-04	-5.94e-03	0.0	-8.35e-03	8.16e-04
188	17	2.59e-03	8.45e-03	5.65e-06	0.0	0.0	-4.60	-3.60e-04	-4.15e-03	0.0	8.45e-03	2.59e-03
		1.30e-03	-6.50e-03	0.0	0.0	360.0	-2.40	-3.60e-04	-4.15e-03	0.0	-6.50e-03	1.30e-03
188	18	4.62e-03	0.02	1.01e-05	0.0	0.0	2.26	-6.41e-04	-0.01	0.0	0.02	4.62e-03
		2.31e-03	-0.01	8.55e-06	0.0	360.0	4.46	-6.41e-04	-0.01	0.0	-0.01	2.31e-03
188	24	3.12	0.16	-7.11e-03	0.0	0.0	0.31	1.14	-0.06	0.0	0.16	3.12
		1.49	-0.06	4.84e-04	0.0	360.0	2.51	1.14	-0.06	0.0	-0.06	1.49
188	25	-1.48	0.03	7.13e-03	0.0	0.0	4.21	-1.14	0.04	0.0	-0.11	-1.48
		-3.12	-0.11	-4.67e-04	0.0	360.0	6.41	-1.14	0.04	0.0	0.03	-3.12
188	31	4.44	0.07	-7.75e-03	0.0	0.0	1.84	1.37	-0.03	0.0	0.07	4.44
		0.95	-0.03	1.64e-04	0.0	360.0	4.03	1.37	-0.03	0.0	-0.03	0.95
188	34	-0.94	-1.78e-03	7.77e-03	0.0	0.0	2.69	-1.37	6.47e-03	0.0	-0.02	-0.94
		-4.44	-0.02	-1.46e-04	0.0	360.0	4.88	-1.37	6.47e-03	0.0	-1.78e-03	-4.44
188	44	0.87	0.13	-2.17e-03	0.0	0.0	-0.63	0.36	-0.05	0.0	0.13	0.87
		0.37	-0.06	3.98e-04	0.0	360.0	1.56	0.36	-0.05	0.0	-0.06	0.37
188	45	-0.36	0.03	2.19e-03	0.0	0.0	5.16	-0.36	0.03	0.0	-0.09	-0.36
		-0.87	-0.09	-3.81e-04	0.0	360.0	7.35	-0.36	0.03	0.0	0.03	-0.87
188	56	2.30	0.12	-5.16e-03	0.0	0.0	0.75	0.83	-0.05	0.0	0.12	2.30
		1.11	-0.05	3.66e-04	0.0	360.0	2.94	0.83	-0.05	0.0	-0.05	1.11
188	57	-1.10	0.02	5.18e-03	0.0	0.0	3.78	-0.83	0.03	0.0	-0.08	-1.10
		-2.30	-0.08	-3.49e-04	0.0	360.0	5.97	-0.83	0.03	0.0	0.02	-2.30
188	63	3.24	0.05	-5.64e-03	0.0	0.0	2.04	1.00	-0.02	0.0	0.05	3.24
		0.73	-0.02	1.10e-04	0.0	360.0	4.23	1.00	-0.02	0.0	-0.02	0.73
188	66	-0.72	-6.64e-03	5.66e-03	0.0	0.0	2.48	-1.00	7.65e-04	0.0	-9.31e-03	-0.72
		-3.24	-9.31e-03	-9.25e-05	0.0	360.0	4.68	-1.00	7.65e-04	0.0	-6.64e-03	-3.24
188	76	0.64	0.11	-1.57e-03	0.0	0.0	-0.14	0.26	-0.04	0.0	0.11	0.64
		0.26	-0.05	3.31e-04	0.0	360.0	2.05	0.26	-0.04	0.0	-0.05	0.26
188	77	-0.25	0.02	1.59e-03	0.0	0.0	4.67	-0.26	0.02	0.0	-0.07	-0.25
		-0.63	-0.07	-3.14e-04	0.0	360.0	6.86	-0.26	0.02	0.0	0.02	-0.63
188	85	0.08	9.03e-03	3.55e-05	0.0	0.0	4.19	-0.01	0.01	0.0	-0.04	0.08
		0.06	-0.04	-2.05e-04	0.0	360.0	6.39	-0.01	0.01	0.0	9.03e-03	0.06
188	86	-0.05	0.08	-1.54e-05	0.0	0.0	0.33	0.01	-0.03	0.0	0.08	-0.05
		-0.07	-0.04	2.22e-04	0.0	360.0	2.53	0.01	-0.03	0.0	-0.04	-0.07
188	92	3.72	0.18	-8.53e-03	0.0	0.0	-0.04	1.36	-0.07	0.0	0.18	3.72
		1.77	-0.06	5.73e-04	0.0	360.0	2.15	1.36	-0.07	0.0	-0.06	1.77
188	93	-1.76	0.03	8.55e-03	0.0	0.0	4.57	-1.36	0.05	0.0	-0.14	-1.76
		-3.71	-0.14	-5.56e-04	0.0	360.0	6.76	-1.36	0.05	0.0	0.03	-3.71
188	99	5.29	0.08	-9.26e-03	0.0	0.0	1.73	1.63	-0.03	0.0	0.08	5.29
		1.12	-0.03	1.98e-04	0.0	360.0	3.92	1.63	-0.03	0.0	-0.03	1.12
188	102	-1.11	1.24e-03	9.28e-03	0.0	0.0	2.80	-1.63	0.01	0.0	-0.04	-1.11

		-5.29	-0.04	-1.81e-04	0.0	360.0	4.99	-1.63	0.01	0.0	1.24e-03	-5.29
188	112	1.04	0.14	-2.60e-03	0.0	0.0	-1.10	0.42	-0.06	0.0	0.14	0.44
		0.44	-0.06	4.59e-04	0.0	360.0	1.10	0.42	-0.06	0.0	-0.06	1.04
188	113	-0.43	0.03	2.62e-03	0.0	0.0	5.62	-0.43	0.04	0.0	-0.10	-0.43
		-1.03	-0.10	-4.42e-04	0.0	360.0	7.82	-0.43	0.04	0.0	0.03	-1.03
189	2	9.15e-03	0.10	1.99e-05	0.0	0.0	-54.26	-1.27e-03	-0.04	0.0	0.10	9.15e-03
		4.57e-03	-0.05	6.51e-05	0.0	360.0	-51.41	-1.27e-03	-0.04	0.0	-0.05	4.57e-03
189	7	-2.31e-03	0.05	-1.01e-05	0.0	0.0	-15.49	6.43e-04	-0.02	0.0	0.05	-4.63e-03
		-4.63e-03	-0.02	1.43e-04	0.0	360.0	-13.29	6.43e-04	-0.02	0.0	-0.02	-2.31e-03
189	10	6.44e-03	0.07	1.40e-05	0.0	0.0	-38.64	-8.95e-04	-0.03	0.0	0.07	6.44e-03
		3.22e-03	-0.03	4.19e-05	0.0	360.0	-36.44	-8.95e-04	-0.03	0.0	-0.03	3.22e-03
189	11	-1.11e-03	0.03	-4.85e-06	0.0	0.0	-16.48	3.09e-04	-0.01	0.0	0.03	-2.23e-03
		-2.23e-03	-0.01	9.14e-05	0.0	360.0	-14.28	3.09e-04	-0.01	0.0	-0.01	-1.11e-03
189	14	5.95e-03	0.03	1.30e-05	0.0	0.0	-29.14	-8.26e-04	-0.01	0.0	0.03	5.95e-03
		2.97e-03	-0.02	-1.51e-05	0.0	360.0	-26.95	-8.26e-04	-0.01	0.0	-0.02	2.97e-03
189	15	1.61e-03	0.01	3.52e-06	0.0	0.0	-18.06	-2.24e-04	-5.75e-03	0.0	0.01	1.61e-03
		8.07e-04	-6.34e-03	9.66e-06	0.0	360.0	-15.87	-2.24e-04	-5.75e-03	0.0	-6.34e-03	8.07e-04
189	17	2.57e-03	9.50e-03	5.61e-06	0.0	0.0	-18.46	-3.57e-04	-3.81e-03	0.0	9.50e-03	2.57e-03
		1.29e-03	-4.21e-03	-1.08e-05	0.0	360.0	-16.27	-3.57e-04	-3.81e-03	0.0	-4.21e-03	1.29e-03
189	18	4.60e-03	0.02	1.00e-05	0.0	0.0	-24.87	-6.39e-04	-9.25e-03	0.0	0.02	4.60e-03
		2.30e-03	-0.01	-1.34e-05	0.0	360.0	-22.68	-6.39e-04	-9.25e-03	0.0	-0.01	2.30e-03
189	19	3.15	0.03	-7.10e-03	0.0	0.0	-26.80	1.13	0.04	0.0	-0.11	1.53
		1.53	-0.11	-4.79e-04	0.0	360.0	-24.60	1.13	0.04	0.0	0.03	3.15
189	22	-1.52	0.16	7.12e-03	0.0	0.0	-22.94	-1.13	-0.06	0.0	0.16	-1.52
		-3.15	-0.06	4.53e-04	0.0	360.0	-20.75	-1.13	-0.06	0.0	-0.06	-3.15
189	31	4.44	0.02	-7.75e-03	0.0	0.0	-26.67	1.37	0.02	0.0	-0.06	0.95
		0.95	-0.06	-3.08e-04	0.0	360.0	-24.48	1.37	0.02	0.0	0.02	4.44
189	34	-0.94	0.11	7.77e-03	0.0	0.0	-23.07	-1.37	-0.04	0.0	0.11	-0.94
		-4.44	-0.04	2.81e-04	0.0	360.0	-20.87	-1.37	-0.04	0.0	-0.04	-4.44
189	39	1.36	0.03	-2.33e-03	0.0	0.0	-28.74	0.40	0.03	0.0	-0.08	0.32
		0.32	-0.08	-3.34e-04	0.0	360.0	-26.55	0.40	0.03	0.0	0.03	1.36
189	42	-0.31	0.12	2.35e-03	0.0	0.0	-21.00	-0.41	-0.05	0.0	0.12	-0.31
		-1.35	-0.05	3.07e-04	0.0	360.0	-18.80	-0.41	-0.05	0.0	-0.05	-1.35
189	51	2.33	0.02	-5.15e-03	0.0	0.0	-26.45	0.82	0.03	0.0	-0.08	1.14
		1.14	-0.08	-3.64e-04	0.0	360.0	-24.26	0.82	0.03	0.0	0.02	2.33
189	54	-1.13	0.13	5.17e-03	0.0	0.0	-23.28	-0.82	-0.05	0.0	0.13	-1.13
		-2.32	-0.04	3.37e-04	0.0	360.0	-21.09	-0.82	-0.05	0.0	-0.04	-2.32
189	63	3.24	0.01	-5.64e-03	0.0	0.0	-26.32	1.00	0.02	0.0	-0.04	0.73
		0.73	-0.04	-2.38e-04	0.0	360.0	-24.12	1.00	0.02	0.0	0.01	3.24
189	66	-0.72	0.09	5.66e-03	0.0	0.0	-23.42	-1.00	-0.03	0.0	0.09	-0.72
		-3.24	-0.04	2.11e-04	0.0	360.0	-21.23	-1.00	-0.03	0.0	-0.04	-3.24
189	71	0.99	0.03	-1.69e-03	0.0	0.0	-28.18	0.29	0.02	0.0	-0.06	0.25
		0.25	-0.06	-2.86e-04	0.0	360.0	-25.99	0.29	0.02	0.0	0.03	0.99
189	74	-0.24	0.11	1.71e-03	0.0	0.0	-21.55	-0.29	-0.04	0.0	0.11	-0.24
		-0.99	-0.05	2.59e-04	0.0	360.0	-19.36	-0.29	-0.04	0.0	-0.05	-0.99
189	83	0.04	0.02	5.66e-06	0.0	0.0	-27.65	-6.41e-03	0.02	0.0	-0.04	0.04
		0.02	-0.04	-2.12e-04	0.0	360.0	-25.45	-6.41e-03	0.02	0.0	0.02	0.02
189	84	-0.02	0.08	1.44e-05	0.0	0.0	-22.09	5.13e-03	-0.03	0.0	0.08	-0.02
		-0.03	-0.04	1.86e-04	0.0	360.0	-19.90	5.13e-03	-0.03	0.0	-0.04	-0.02
189	85	0.08	0.01	3.54e-05	0.0	0.0	-26.93	-0.01	0.01	0.0	-0.03	0.08
		0.06	-0.03	-1.74e-04	0.0	360.0	-24.74	-0.01	0.01	0.0	0.01	0.06
189	86	-0.05	0.07	-1.54e-05	0.0	0.0	-22.80	0.01	-0.03	0.0	0.07	-0.05
		-0.07	-0.03	1.47e-04	0.0	360.0	-20.61	0.01	-0.03	0.0	-0.03	-0.05
189	87	3.75	0.04	-8.51e-03	0.0	0.0	-27.11	1.35	0.05	0.0	-0.14	1.81
		1.81	-0.14	-5.67e-04	0.0	360.0	-24.92	1.35	0.05	0.0	0.04	3.75
189	90	-1.80	0.18	8.53e-03	0.0	0.0	-22.63	-1.35	-0.07	0.0	0.18	-1.80
		-3.75	-0.06	5.40e-04	0.0	360.0	-20.43	-1.35	-0.07	0.0	-0.06	-3.75
189	99	5.29	0.03	-9.26e-03	0.0	0.0	-26.97	1.63	0.03	0.0	-0.08	1.12
		1.12	-0.08	-3.61e-04	0.0	360.0	-24.78	1.63	0.03	0.0	0.03	5.29
189	102	-1.11	0.12	9.28e-03	0.0	0.0	-22.77	-1.63	-0.05	0.0	0.12	-1.11
		-5.29	-0.05	3.34e-04	0.0	360.0	-20.58	-1.63	-0.05	0.0	-0.05	-5.29
189	107	1.62	0.04	-2.78e-03	0.0	0.0	-29.32	0.48	0.04	0.0	-0.09	0.38
		0.38	-0.09	-3.81e-04	0.0	360.0	-27.13	0.48	0.04	0.0	0.04	1.62
189	110	-0.37	0.14	2.80e-03	0.0	0.0	-20.42	-0.48	-0.05	0.0	0.14	-0.37
		-1.61	-0.06	3.55e-04	0.0	360.0	-18.23	-0.48	-0.05	0.0	-0.06	-1.61
190	1	-9.49e-04	0.03	-1.04e-06	0.0	0.0	-15.37	1.32e-04	0.01	0.0	-0.02	-1.42e-03
		-1.42e-03	-0.02	4.79e-05	0.0	360.0	-12.52	1.32e-04	0.01	0.0	0.03	-9.49e-04
190	2	0.01	0.09	1.01e-05	0.0	0.0	-12.35	-1.27e-03	0.04	0.0	-0.06	0.01
		9.17e-03	-0.06	1.30e-05	0.0	360.0	-9.50	-1.27e-03	0.04	0.0	0.09	9.17e-03
190	4	0.01	0.09	9.20e-06	0.0	0.0	-8.71	-1.17e-03	0.04	0.0	-0.06	0.01
		8.39e-03	-0.06	1.57e-05	0.0	360.0	-6.52	-1.17e-03	0.04	0.0	0.09	8.39e-03
190	7	-4.61e-03	0.04	-5.05e-06	0.0	0.0	-11.49	6.40e-04	0.02	0.0	-0.01	-6.91e-03
		-6.91e-03	-0.01	9.04e-05	0.0	360.0	-9.29	6.40e-04	0.02	0.0	0.04	-4.61e-03
190	9	-2.87e-04	0.02	0.0	0.0	0.0	-11.86	3.99e-05	9.48e-03	0.0	-0.01	-4.31e-04
		-4.31e-04	-0.01	3.07e-05	0.0	360.0	-9.67	3.99e-05	9.48e-03	0.0	0.02	-2.87e-04

190	10	9.68e-03	0.06	7.08e-06	0.0	0.0	-9.85	-8.97e-04	0.03	0.0	-0.04	9.68e-03
		6.46e-03	-0.04	7.44e-06	0.0	360.0	-7.65	-8.97e-04	0.03	0.0	0.06	6.46e-03
190	11	-2.21e-03	0.03	-2.42e-06	0.0	0.0	-11.69	3.07e-04	0.01	0.0	-0.01	-3.31e-03
		-3.31e-03	-0.01	5.73e-05	0.0	360.0	-9.50	3.07e-04	0.01	0.0	0.03	-2.21e-03
190	13	3.89e-03	8.45e-03	2.84e-06	0.0	0.0	-12.11	-3.60e-04	5.55e-03	0.0	-0.01	3.89e-03
		2.59e-03	-0.01	-9.06e-06	0.0	360.0	-9.92	-3.60e-04	5.55e-03	0.0	8.45e-03	2.59e-03
190	14	8.95e-03	0.03	6.54e-06	0.0	0.0	-11.10	-8.28e-04	0.02	0.0	-0.03	8.95e-03
		5.96e-03	-0.03	-2.07e-05	0.0	360.0	-8.91	-8.28e-04	0.02	0.0	0.03	5.96e-03
190	15	2.45e-03	0.01	1.79e-06	0.0	0.0	-12.03	-2.27e-04	6.86e-03	0.0	-0.01	2.45e-03
		1.63e-03	-0.01	4.21e-06	0.0	360.0	-9.83	-2.27e-04	6.86e-03	0.0	0.01	1.63e-03
190	17	3.89e-03	8.45e-03	2.84e-06	0.0	0.0	-12.11	-3.60e-04	5.55e-03	0.0	-0.01	3.89e-03
		2.59e-03	-0.01	-9.06e-06	0.0	360.0	-9.92	-3.60e-04	5.55e-03	0.0	8.45e-03	2.59e-03
190	18	6.92e-03	0.02	5.06e-06	0.0	0.0	-11.51	-6.41e-04	0.01	0.0	-0.02	6.92e-03
		4.62e-03	-0.02	-1.61e-05	0.0	360.0	-9.31	-6.41e-04	0.01	0.0	0.02	4.62e-03
190	24	1.49	0.16	-5.35e-03	0.0	0.0	-11.93	2.03	0.05	0.0	-0.03	-8.26
		-8.26	-0.03	2.06e-04	0.0	360.0	-9.73	2.03	0.05	0.0	0.16	1.49
190	25	8.27	-0.02	5.36e-03	0.0	0.0	-11.08	-2.03	-0.03	0.0	-0.02	8.27
		-1.48	-0.11	-2.39e-04	0.0	360.0	-8.89	-2.03	-0.03	0.0	-0.11	-1.48
190	32	0.90	0.11	-6.37e-03	0.0	0.0	-9.89	2.64	0.04	0.0	-0.03	-10.00
		-10.00	-0.03	1.36e-04	0.0	360.0	-7.69	2.64	0.04	0.0	0.11	0.90
190	33	10.02	-0.01	6.38e-03	0.0	0.0	-13.12	-2.65	-0.01	0.0	-0.01	10.02
		-0.89	-0.07	-1.68e-04	0.0	360.0	-10.93	-2.65	-0.01	0.0	-0.07	-0.89
190	48	0.19	0.11	-1.96e-03	0.0	0.0	-9.26	0.84	0.04	0.0	-0.04	-3.09
		-3.09	-0.04	1.58e-04	0.0	360.0	-7.07	0.84	0.04	0.0	0.11	0.19
190	49	3.10	-5.67e-03	1.97e-03	0.0	0.0	-13.75	-0.84	-0.02	0.0	-5.67e-03	3.10
		-0.18	-0.07	-1.90e-04	0.0	360.0	-11.55	-0.84	-0.02	0.0	-0.07	-0.18
190	56	1.11	0.12	-3.89e-03	0.0	0.0	-11.71	1.49	0.04	0.0	-0.03	-6.01
		-6.01	-0.03	1.52e-04	0.0	360.0	-9.52	1.49	0.04	0.0	0.12	1.11
190	57	6.02	-0.02	3.90e-03	0.0	0.0	-11.30	-1.49	-0.02	0.0	-0.02	6.02
		-1.10	-0.08	-1.84e-04	0.0	360.0	-9.10	-1.49	-0.02	0.0	-0.08	-1.10
190	64	0.68	0.09	-4.64e-03	0.0	0.0	-10.23	1.93	0.03	0.0	-0.03	-7.28
		-7.28	-0.03	1.01e-04	0.0	360.0	-8.04	1.93	0.03	0.0	0.09	0.68
190	65	7.30	-0.02	4.65e-03	0.0	0.0	-12.78	-1.93	-8.30e-03	0.0	-0.02	7.30
		-0.67	-0.05	-1.33e-04	0.0	360.0	-10.59	-1.93	-8.30e-03	0.0	-0.05	-0.67
190	80	0.14	0.10	-1.43e-03	0.0	0.0	-9.55	0.62	0.04	0.0	-0.03	-2.26
		-2.26	-0.03	1.31e-04	0.0	360.0	-7.36	0.62	0.04	0.0	0.10	0.14
190	81	2.27	-8.90e-03	1.44e-03	0.0	0.0	-13.46	-0.62	-0.01	0.0	-8.90e-03	2.27
		-0.13	-0.06	-1.63e-04	0.0	360.0	-11.27	-0.62	-0.01	0.0	-0.06	-0.13
190	85	0.08	-0.01	4.45e-05	0.0	0.0	-13.06	-0.04	-5.89e-03	0.0	-0.01	0.08
		0.08	-0.04	-1.27e-04	0.0	360.0	-10.87	-0.04	-5.89e-03	0.0	-0.04	0.08
190	86	-0.07	0.08	-3.43e-05	0.0	0.0	-9.95	0.04	0.03	0.0	-0.03	-0.07
		-0.07	-0.03	9.49e-05	0.0	360.0	-7.76	0.04	0.03	0.0	0.08	-0.07
190	92	1.77	0.18	-6.41e-03	0.0	0.0	-12.05	2.42	0.06	0.0	-0.03	-9.89
		-9.89	-0.03	2.48e-04	0.0	360.0	-9.86	2.42	0.06	0.0	0.18	1.77
190	93	9.90	-0.01	6.42e-03	0.0	0.0	-10.96	-2.43	-0.03	0.0	-0.01	9.90
		-1.76	-0.14	-2.80e-04	0.0	360.0	-8.77	-2.43	-0.03	0.0	-0.14	-1.76
190	100	1.05	0.13	-7.60e-03	0.0	0.0	-9.61	3.16	0.04	0.0	-0.03	-11.94
		-11.94	-0.03	1.63e-04	0.0	360.0	-7.41	3.16	0.04	0.0	0.13	1.05
190	101	11.96	-0.01	7.61e-03	0.0	0.0	-13.40	-3.16	-0.02	0.0	-0.01	11.96
		-1.05	-0.08	-1.95e-04	0.0	360.0	-11.21	-3.16	-0.02	0.0	-0.08	-1.05
190	116	0.23	0.13	-2.34e-03	0.0	0.0	-8.95	1.00	0.04	0.0	-0.04	-3.69
		-3.69	-0.04	1.84e-04	0.0	360.0	-6.76	1.00	0.04	0.0	0.13	0.23
190	117	3.70	-2.85e-03	2.35e-03	0.0	0.0	-14.06	-1.00	-0.02	0.0	-2.85e-03	3.70
		-0.22	-0.09	-2.16e-04	0.0	360.0	-11.87	-1.00	-0.02	0.0	-0.09	-0.22
191	2	0.01	0.10	1.00e-05	0.0	0.0	-48.17	-1.27e-03	0.05	0.0	-0.07	0.01
		9.15e-03	-0.07	-7.67e-05	0.0	360.0	-45.32	-1.27e-03	0.05	0.0	0.10	9.15e-03
191	7	-4.63e-03	0.05	-5.07e-06	0.0	0.0	-17.55	6.43e-04	0.02	0.0	-0.02	-6.94e-03
		-6.94e-03	-0.02	6.72e-05	0.0	360.0	-15.35	6.43e-04	0.02	0.0	0.05	-4.63e-03
191	10	9.66e-03	0.07	7.07e-06	0.0	0.0	-34.49	-8.95e-04	0.03	0.0	-0.05	9.66e-03
		6.44e-03	-0.05	-5.41e-05	0.0	360.0	-32.30	-8.95e-04	0.03	0.0	0.07	6.44e-03
191	11	-2.23e-03	0.03	-2.44e-06	0.0	0.0	-17.63	3.09e-04	0.01	0.0	-0.02	-3.34e-03
		-3.34e-03	-0.02	3.74e-05	0.0	360.0	-15.44	3.09e-04	0.01	0.0	0.03	-2.23e-03
191	14	8.92e-03	0.03	6.52e-06	0.0	0.0	-26.20	-8.26e-04	0.02	0.0	-0.03	8.92e-03
		5.95e-03	-0.03	-5.60e-05	0.0	360.0	-24.01	-8.26e-04	0.02	0.0	0.03	5.95e-03
191	15	2.42e-03	0.01	1.77e-06	0.0	0.0	-17.77	-2.24e-04	7.40e-03	0.0	-0.01	2.42e-03
		1.61e-03	-0.01	-1.03e-05	0.0	360.0	-15.58	-2.24e-04	7.40e-03	0.0	0.01	1.61e-03
191	17	3.86e-03	9.50e-03	2.82e-06	0.0	0.0	-17.81	-3.57e-04	5.86e-03	0.0	-0.01	3.86e-03
		2.57e-03	-0.01	-2.22e-05	0.0	360.0	-15.61	-3.57e-04	5.86e-03	0.0	9.50e-03	2.57e-03
191	18	6.90e-03	0.02	5.04e-06	0.0	0.0	-22.84	-6.39e-04	0.01	0.0	-0.02	6.90e-03
		4.60e-03	-0.02	-4.25e-05	0.0	360.0	-20.65	-6.39e-04	0.01	0.0	0.02	4.60e-03
191	19	1.53	-0.01	-5.33e-03	0.0	0.0	-24.00	2.01	-0.03	0.0	-0.01	-8.22
		-8.22	-0.11	-2.55e-04	0.0	360.0	-21.80	2.01	-0.03	0.0	-0.11	1.53
191	22	8.23	0.16	5.34e-03	0.0	0.0	-21.69	-2.01	0.05	0.0	-0.03	8.23
		-1.52	-0.03	1.70e-04	0.0	360.0	-19.50	-2.01	0.05	0.0	0.16	-1.52
191	32	0.90	-0.02	-6.37e-03	0.0	0.0	-23.35	2.64	-1.50e-03	0.0	-0.02	-10.00

191	33	-10.00	-0.03	-1.22e-04	0.0	360.0	-21.16	2.64	-1.50e-03	0.0	-0.03	0.90
		10.02	0.07	6.38e-03	0.0	0.0	-22.34	-2.65	0.03	0.0	-0.02	10.02
		-0.89	-0.02	3.67e-05	0.0	360.0	-20.14	-2.65	0.03	0.0	0.07	-0.89
191	39	0.32	5.26e-03	-1.89e-03	0.0	0.0	-24.65	0.77	-0.02	0.0	5.26e-03	-2.95
		-2.95	-0.08	-1.95e-04	0.0	360.0	-22.45	0.77	-0.02	0.0	-0.08	0.32
191	42	2.97	0.12	1.90e-03	0.0	0.0	-21.04	-0.77	0.05	0.0	-0.05	2.97
		-0.31	-0.05	1.10e-04	0.0	360.0	-18.85	-0.77	0.05	0.0	0.12	-0.31
191	51	1.14	-0.01	-3.87e-03	0.0	0.0	-23.75	1.47	-0.02	0.0	-0.01	-5.98
		-5.98	-0.08	-2.03e-04	0.0	360.0	-21.56	1.47	-0.02	0.0	-0.08	1.14
191	54	5.99	0.13	3.88e-03	0.0	0.0	-21.93	-1.47	0.04	0.0	-0.03	5.99
		-1.13	-0.03	1.18e-04	0.0	360.0	-19.74	-1.47	0.04	0.0	0.13	-1.13
191	64	0.68	-0.01	-4.64e-03	0.0	0.0	-23.17	1.93	3.17e-03	0.0	-0.02	-7.28
		-7.28	-0.02	-9.54e-05	0.0	360.0	-20.97	1.93	3.17e-03	0.0	-0.01	0.68
191	65	7.30	0.06	4.65e-03	0.0	0.0	-22.52	-1.93	0.02	0.0	-0.02	7.30
		-0.67	-0.02	1.04e-05	0.0	360.0	-20.33	-1.93	0.02	0.0	0.06	-0.67
191	71	0.25	7.12e-04	-1.37e-03	0.0	0.0	-24.34	0.56	-0.02	0.0	7.12e-04	-2.14
		-2.14	-0.06	-1.73e-04	0.0	360.0	-22.15	0.56	-0.02	0.0	-0.06	0.25
191	74	2.16	0.11	1.38e-03	0.0	0.0	-21.34	-0.56	0.04	0.0	-0.04	2.16
		-0.24	-0.04	8.76e-05	0.0	360.0	-19.15	-0.56	0.04	0.0	0.11	-0.24
191	83	0.04	-2.47e-03	1.73e-05	0.0	0.0	-24.02	-0.02	-9.56e-03	0.0	-2.47e-03	0.03
		0.03	-0.04	-1.38e-04	0.0	360.0	-21.82	-0.02	-9.56e-03	0.0	-0.04	0.04
191	84	-0.02	0.08	-7.25e-06	0.0	0.0	-21.67	0.02	0.03	0.0	-0.04	-0.02
		-0.03	-0.04	5.34e-05	0.0	360.0	-19.48	0.02	0.03	0.0	0.08	-0.03
191	85	0.08	-8.25e-03	4.45e-05	0.0	0.0	-23.81	-0.04	-4.61e-03	0.0	-8.25e-03	0.08
		0.08	-0.03	-1.19e-04	0.0	360.0	-21.62	-0.04	-4.61e-03	0.0	-0.03	0.08
191	86	-0.07	0.07	-3.44e-05	0.0	0.0	-21.87	0.04	0.03	0.0	-0.03	-0.07
		-0.07	-0.03	3.40e-05	0.0	360.0	-19.68	0.04	0.03	0.0	0.07	-0.07
191	87	1.81	-8.04e-03	-6.39e-03	0.0	0.0	-24.20	2.40	-0.04	0.0	-8.04e-03	-9.84
		-9.84	-0.14	-2.95e-04	0.0	360.0	-22.01	2.40	-0.04	0.0	-0.14	1.81
191	90	9.85	0.18	6.40e-03	0.0	0.0	-21.49	-2.40	0.06	0.0	-0.04	9.85
		-1.80	-0.04	2.10e-04	0.0	360.0	-19.29	-2.40	0.06	0.0	0.18	-1.80
191	100	1.05	-0.02	-7.60e-03	0.0	0.0	-23.47	3.16	-4.52e-03	0.0	-0.02	-11.94
		-11.94	-0.04	-1.39e-04	0.0	360.0	-21.27	3.16	-4.52e-03	0.0	-0.04	1.05
191	101	11.96	0.08	7.61e-03	0.0	0.0	-22.22	-3.16	0.03	0.0	-0.02	11.96
		-1.05	-0.02	5.40e-05	0.0	360.0	-20.03	-3.16	0.03	0.0	0.08	-1.05
191	107	0.38	9.62e-03	-2.25e-03	0.0	0.0	-24.93	0.92	-0.03	0.0	9.62e-03	-3.53
		-3.53	-0.09	-2.18e-04	0.0	360.0	-22.74	0.92	-0.03	0.0	-0.09	0.38
191	110	3.54	0.14	2.26e-03	0.0	0.0	-20.75	-0.92	0.05	0.0	-0.05	3.54
		-0.37	-0.05	1.33e-04	0.0	360.0	-18.56	-0.92	0.05	0.0	0.14	-0.37
192	1	-0.02	3.46	1.93e-06	0.0	0.0	-2.88	0.01	4.44	0.0	-2.86	-0.03
		-0.03	-2.86	-3.80e-04	0.77	131.0	-1.84	0.01	5.21	0.0	3.46	-0.02
192	2	-0.01	14.17	1.90e-05	0.0	0.0	4.92	3.92e-03	19.99	0.0	-12.52	-0.02
		-0.02	-12.52	-1.62e-03	0.77	131.0	5.96	3.92e-03	20.76	0.0	14.17	-0.01
192	4	-9.84e-03	13.46	1.81e-05	0.0	0.0	8.03	2.09e-03	18.97	0.0	-11.89	-0.01
		-0.01	-11.89	-1.53e-03	0.77	131.0	8.83	2.09e-03	19.74	0.0	13.46	-9.84e-03
192	5	-0.02	3.72	0.0	0.0	0.0	4.18	0.01	4.45	0.0	-2.94	-0.04
		-0.04	-2.94	-3.90e-04	1.28	131.0	5.22	0.01	5.73	0.0	3.72	-0.02
192	8	-0.02	10.51	1.18e-05	0.0	0.0	12.75	6.82e-03	14.31	0.0	-9.07	-0.03
		-0.03	-9.07	-1.17e-03	1.28	131.0	13.55	6.82e-03	15.59	0.0	10.51	-0.02
192	9	-0.01	2.62	1.67e-06	0.0	0.0	-3.30	8.52e-03	3.42	0.0	-2.19	-0.02
		-0.02	-2.19	-2.91e-04	0.51	131.0	-2.50	8.52e-03	3.93	0.0	2.62	-0.01
192	10	-8.98e-03	9.76	1.30e-05	0.0	0.0	1.90	3.42e-03	13.78	0.0	-8.63	-0.01
		-0.01	-8.63	-1.12e-03	0.51	131.0	2.70	3.42e-03	14.29	0.0	9.76	-8.98e-03
192	11	-0.02	2.80	0.0	0.0	0.0	1.41	0.01	3.42	0.0	-2.24	-0.03
		-0.03	-2.24	-2.98e-04	0.85	131.0	2.20	0.01	4.27	0.0	2.80	-0.02
192	12	-0.01	7.79	8.82e-06	0.0	0.0	5.05	6.58e-03	10.68	0.0	-6.75	-0.02
		-0.02	-6.75	-8.75e-04	0.85	131.0	5.85	6.58e-03	11.53	0.0	7.79	-0.01
192	13	-7.28e-03	2.37	2.90e-06	0.0	0.0	-10.36	6.09e-03	3.41	0.0	-2.10	-0.02
		-0.02	-2.10	-2.81e-04	0.0	131.0	-9.56	6.09e-03	3.41	0.0	2.37	-7.28e-03
192	14	-5.48e-03	5.93	8.58e-06	0.0	0.0	-7.76	3.54e-03	8.59	0.0	-5.32	-0.01
		-0.01	-5.32	-6.93e-04	0.0	131.0	-6.96	3.54e-03	8.59	0.0	5.93	-5.48e-03
192	15	-9.05e-03	2.45	2.49e-06	0.0	0.0	-8.01	6.90e-03	3.41	0.0	-2.13	-0.02
		-0.02	-2.13	-2.84e-04	0.17	131.0	-7.21	6.90e-03	3.58	0.0	2.45	-9.05e-03
192	16	-7.97e-03	4.59	5.90e-06	0.0	0.0	-6.45	5.37e-03	6.52	0.0	-4.06	-0.02
		-0.02	-4.06	-5.32e-04	0.17	131.0	-5.65	5.37e-03	6.69	0.0	4.59	-7.97e-03
192	17	-7.28e-03	2.37	2.90e-06	0.0	0.0	-10.36	6.09e-03	3.41	0.0	-2.10	-0.02
		-0.02	-2.10	-2.81e-04	0.0	131.0	-9.56	6.09e-03	3.41	0.0	2.37	-7.28e-03
192	18	-6.20e-03	4.51	6.31e-06	0.0	0.0	-8.80	4.56e-03	6.52	0.0	-4.04	-0.01
		-0.01	-4.04	-5.28e-04	0.0	131.0	-8.00	4.56e-03	6.52	0.0	4.51	-6.20e-03
192	24	2.03	4.98	-2.77e-03	0.0	0.0	40.30	3.97	7.31	0.0	-4.74	-7.03
		-7.03	-4.74	-4.83e-04	0.0	131.0	41.09	3.97	7.31	0.0	4.98	2.03
192	25	7.01	4.03	2.78e-03	0.0	0.0	-57.90	-3.96	5.73	0.0	-3.33	7.01
		-2.04	-3.33	-5.74e-04	0.0	131.0	-57.10	-3.96	5.73	0.0	4.03	-2.04
192	31	1.26	4.22	-3.80e-03	0.0	0.0	7.23	6.04	6.04	0.0	-3.58	-9.08
		-9.08	-3.58	-4.18e-04	0.0	131.0	8.02	6.04	6.04	0.0	4.22	1.26

192	34	9.05	4.79	3.81e-03	0.0	0.0	-24.83	-6.03	7.00	0.0	-4.49	9.05
		-1.27	-4.49	-6.38e-04	0.0	131.0	-24.03	-6.03	7.00	0.0	4.79	-1.27
192	44	0.81	5.73	-7.86e-04	0.0	0.0	31.31	1.09	8.56	0.0	-5.92	-1.99
		-1.99	-5.92	-6.70e-04	0.0	131.0	32.11	1.09	8.56	0.0	5.73	0.81
192	56	1.49	4.92	-2.01e-03	0.0	0.0	28.12	2.89	7.22	0.0	-4.67	-5.11
		-5.11	-4.67	-5.07e-04	0.0	131.0	28.92	2.89	7.22	0.0	4.92	1.49
192	57	5.09	4.09	2.02e-03	0.0	0.0	-45.73	-2.88	5.82	0.0	-3.40	5.09
		-1.51	-3.40	-5.50e-04	0.0	131.0	-44.93	-2.88	5.82	0.0	4.09	-1.51
192	63	0.94	4.26	-2.76e-03	0.0	0.0	1.65	4.40	6.09	0.0	-3.63	-6.62
		-6.62	-3.63	-4.38e-04	0.0	131.0	2.44	4.40	6.09	0.0	4.26	0.94
192	66	6.60	4.76	2.78e-03	0.0	0.0	-19.25	-4.40	6.95	0.0	-4.44	6.60
		-0.95	-4.44	-6.19e-04	0.0	131.0	-18.45	-4.40	6.95	0.0	4.76	-0.95
192	76	0.62	5.57	-5.66e-04	0.0	0.0	24.48	0.78	8.35	0.0	-5.73	-1.43
		-1.43	-5.73	-6.67e-04	0.0	131.0	25.28	0.78	8.35	0.0	5.57	0.62
192	85	-0.12	3.58	-2.58e-05	0.0	0.0	-30.76	0.10	4.92	0.0	-2.55	-0.12
		-0.18	-2.55	-3.85e-04	0.0	131.0	-29.96	0.10	4.92	0.0	3.58	-0.18
192	86	0.17	5.44	3.84e-05	0.0	0.0	13.16	-0.09	8.12	0.0	-5.52	0.09
		0.09	-5.52	-6.72e-04	0.0	131.0	13.95	-0.09	8.12	0.0	5.44	0.17
192	92	2.43	5.05	-3.31e-03	0.0	0.0	49.52	4.75	7.42	0.0	-4.83	-8.42
		-8.42	-4.83	-4.69e-04	0.0	131.0	50.32	4.75	7.42	0.0	5.05	2.43
192	93	8.40	3.96	3.33e-03	0.0	0.0	-67.13	-4.74	5.63	0.0	-3.24	8.40
		-2.44	-3.24	-5.88e-04	0.0	131.0	-66.33	-4.74	5.63	0.0	3.96	-2.44
192	99	1.50	4.18	-4.54e-03	0.0	0.0	10.79	7.21	5.98	0.0	-3.52	-10.83
		-10.83	-3.52	-4.01e-04	0.0	131.0	11.59	7.21	5.98	0.0	4.18	1.50
192	102	10.81	4.83	4.55e-03	0.0	0.0	-28.40	-7.20	7.06	0.0	-4.55	10.81
		-1.51	-4.55	-6.55e-04	0.0	131.0	-27.60	-7.20	7.06	0.0	4.83	-1.51
192	112	0.96	5.90	-9.44e-04	0.0	0.0	37.62	1.30	8.82	0.0	-6.16	-2.39
		-2.39	-6.16	-6.82e-04	0.0	131.0	38.42	1.30	8.82	0.0	5.90	0.96
193	2	0.06	-9.08e-03	4.86e-05	0.0	0.0	-37.43	-0.13	3.82e-03	-1.38e-04	-0.01	0.06
		-0.08	-0.01	-1.09e-05	0.0	109.0	-36.59	-0.13	3.82e-03	-1.38e-04	-9.08e-03	-0.08
193	5	0.05	0.01	9.14e-05	0.0	0.0	-23.51	-0.16	-0.05	-9.39e-05	0.01	0.05
		-0.13	-0.05	0.0	0.0	109.0	-22.67	-0.16	-0.05	-9.39e-05	-0.05	-0.13
193	7	0.04	0.01	9.09e-05	0.0	0.0	-15.17	-0.14	-0.06	-8.93e-05	0.01	0.04
		-0.12	-0.05	1.12e-06	0.0	109.0	-14.52	-0.14	-0.06	-8.93e-05	-0.05	-0.12
193	10	0.04	-4.62e-03	3.26e-05	0.0	0.0	-28.66	-0.09	5.09e-03	-9.39e-05	-0.01	0.04
		-0.06	-0.01	-7.94e-06	0.0	109.0	-28.01	-0.09	5.09e-03	-9.39e-05	-4.62e-03	-0.06
193	11	0.04	5.61e-03	6.11e-05	0.0	0.0	-19.38	-0.11	-0.03	-6.47e-05	5.61e-03	0.04
		-0.09	-0.03	0.0	0.0	109.0	-18.73	-0.11	-0.03	-6.47e-05	-0.03	-0.09
193	14	0.04	0.02	0.0	0.0	0.0	-30.75	-0.06	0.03	-3.99e-05	-0.01	0.04
		-0.02	-0.01	-7.70e-06	0.0	109.0	-30.10	-0.06	0.03	-3.99e-05	0.02	-0.02
193	15	0.03	2.44e-03	1.35e-05	0.0	0.0	-26.11	-0.07	8.55e-03	-2.53e-05	-6.89e-03	0.03
		-0.04	-6.89e-03	-4.19e-06	0.0	109.0	-25.46	-0.07	8.55e-03	-2.53e-05	2.44e-03	-0.04
193	17	0.03	0.01	1.61e-06	0.0	0.0	-27.80	-0.06	0.02	-1.55e-05	-0.01	0.03
		-0.03	-0.01	-5.01e-06	0.0	109.0	-27.15	-0.06	0.02	-1.55e-05	0.01	-0.03
193	18	0.04	0.01	0.0	0.0	0.0	-29.57	-0.06	0.02	-3.01e-05	-0.01	0.04
		-0.02	-0.01	-6.62e-06	0.0	109.0	-28.92	-0.06	0.02	-3.01e-05	0.01	-0.02
193	27	0.51	2.63	7.70e-05	0.0	0.0	-329.43	0.94	5.50	-1.10e-03	-3.38	-0.52
		-0.52	-3.38	1.02e-03	0.0	109.0	-328.78	0.94	5.50	-1.10e-03	2.63	0.51
193	28	0.50	2.59	1.44e-04	0.0	0.0	-315.88	0.99	5.50	-1.08e-03	-3.39	-0.57
		-0.57	-3.39	1.03e-03	0.0	109.0	-315.23	0.99	5.50	-1.08e-03	2.59	0.50
193	29	0.64	3.37	-1.44e-04	0.0	0.0	256.74	-1.10	-5.45	1.02e-03	3.37	0.64
		-0.55	-2.56	-1.04e-03	0.0	109.0	257.39	-1.10	-5.45	1.02e-03	-2.56	-0.55
193	30	0.60	3.35	-7.66e-05	0.0	0.0	270.29	-1.05	-5.45	1.04e-03	3.35	0.60
		-0.56	-2.60	-1.03e-03	0.0	109.0	270.94	-1.05	-5.45	1.04e-03	-2.60	-0.56
193	32	0.50	2.59	1.41e-04	0.0	0.0	-316.14	1.00	5.50	-1.10e-03	-3.39	-0.57
		-0.57	-3.39	1.04e-03	0.0	109.0	-315.49	1.00	5.50	-1.10e-03	2.59	0.50
193	33	0.65	3.37	-1.40e-04	0.0	0.0	257.00	-1.11	-5.45	1.04e-03	3.37	0.65
		-0.55	-2.56	-1.05e-03	0.0	109.0	257.65	-1.11	-5.45	1.04e-03	-2.56	-0.55
193	59	0.37	1.92	5.08e-05	0.0	0.0	-248.88	0.67	4.01	-8.08e-04	-2.46	-0.37
		-0.37	-2.46	7.38e-04	0.0	109.0	-248.24	0.67	4.01	-8.08e-04	1.92	0.37
193	60	0.36	1.89	1.10e-04	0.0	0.0	-236.82	0.71	4.01	-7.90e-04	-2.47	-0.41
		-0.41	-2.47	7.49e-04	0.0	109.0	-236.17	0.71	4.01	-7.90e-04	1.89	0.36
193	61	0.48	2.45	-1.10e-04	0.0	0.0	177.68	-0.82	-3.96	7.30e-04	2.45	0.48
		-0.41	-1.86	-7.63e-04	0.0	109.0	178.33	-0.82	-3.96	7.30e-04	-1.86	-0.41
193	62	0.44	2.44	-5.05e-05	0.0	0.0	189.75	-0.78	-3.96	7.48e-04	2.44	0.44
		-0.41	-1.89	-7.52e-04	0.0	109.0	190.39	-0.78	-3.96	7.48e-04	-1.89	-0.41
193	65	0.48	2.45	-1.07e-04	0.0	0.0	177.96	-0.83	-3.96	7.51e-04	2.45	0.48
		-0.40	-1.86	-7.68e-04	0.0	109.0	178.61	-0.83	-3.96	7.51e-04	-1.86	-0.40
193	66	0.44	2.44	-5.40e-05	0.0	0.0	189.47	-0.77	-3.96	7.27e-04	2.44	0.44
		-0.42	-1.89	-7.46e-04	0.0	109.0	190.11	-0.77	-3.96	7.27e-04	-1.89	-0.42
193	83	0.09	0.06	-8.92e-05	0.0	0.0	-47.67	-0.12	0.03	-5.70e-05	1.64e-03	0.09
		-0.01	1.64e-03	-2.32e-05	0.0	109.0	-47.02	-0.12	0.03	-5.70e-05	0.06	-0.01
193	84	-0.02	-0.03	8.96e-05	0.0	0.0	-11.47	6.36e-03	0.02	-3.27e-06	-0.03	-0.02
		-0.04	-0.03	9.93e-06	0.0	109.0	-10.82	6.36e-03	0.02	-3.27e-06	-0.03	-0.04
193	85	0.10	0.07	-7.87e-05	0.0	0.0	-46.83	-0.14	0.02	5.93e-06	8.64e-04	0.10

		-9.12e-03	8.64e-04	-3.97e-05	0.0	109.0	-46.18	-0.14	0.02	5.93e-06	0.07	-9.12e-03
193	86	-0.03	-0.03	7.91e-05	0.0	0.0	-12.31	0.03	0.03	-6.62e-05	-0.03	-0.03
		-0.04	-0.04	2.64e-05	0.0	109.0	-11.67	0.03	0.03	-6.62e-05	-0.04	-0.04
193	95	0.62	3.13	9.39e-05	0.0	0.0	-387.21	1.13	6.56	-1.31e-03	-4.03	-0.63
		-0.63	-4.03	1.22e-03	0.0	109.0	-386.56	1.13	6.56	-1.31e-03	3.13	0.62
193	96	0.60	3.09	1.70e-04	0.0	0.0	-371.89	1.19	6.56	-1.28e-03	-4.05	-0.69
		-0.69	-4.05	1.23e-03	0.0	109.0	-371.24	1.19	6.56	-1.28e-03	3.09	0.60
193	97	0.76	4.02	-1.70e-04	0.0	0.0	312.75	-1.30	-6.51	1.22e-03	4.02	0.76
		-0.65	-3.06	-1.25e-03	0.0	109.0	313.40	-1.30	-6.51	1.22e-03	-3.06	-0.65
193	98	0.71	4.01	-9.35e-05	0.0	0.0	328.07	-1.25	-6.51	1.25e-03	4.01	0.71
		-0.66	-3.11	-1.23e-03	0.0	109.0	328.72	-1.25	-6.51	1.25e-03	-3.11	-0.66
193	100	0.60	3.09	1.66e-04	0.0	0.0	-372.16	1.20	6.57	-1.31e-03	-4.05	-0.69
		-0.69	-4.05	1.24e-03	0.0	109.0	-371.51	1.20	6.57	-1.31e-03	3.09	0.60
193	101	0.76	4.02	-1.66e-04	0.0	0.0	313.02	-1.32	-6.52	1.25e-03	4.02	0.76
		-0.65	-3.06	-1.25e-03	0.0	109.0	313.67	-1.32	-6.52	1.25e-03	-3.06	-0.65
194	1	0.02	-0.05	-7.71e-06	0.0	0.0	-28.12	0.09	0.07	3.42e-05	-0.19	-0.16
		-0.16	-0.19	-4.32e-05	0.0	200.0	-26.57	0.09	0.07	3.42e-05	-0.05	0.02
194	2	4.11e-03	0.08	-1.63e-05	0.0	0.0	-46.68	0.02	-0.10	4.92e-05	0.08	-0.04
		-0.04	-0.12	1.46e-05	0.0	200.0	-45.13	0.02	-0.10	4.92e-05	-0.12	4.11e-03
194	7	2.05e-03	-0.03	-2.02e-06	0.0	0.0	-10.13	0.13	0.20	4.84e-05	-0.43	-0.27
		-0.27	-0.43	-9.69e-05	0.0	200.0	-8.94	0.13	0.20	4.84e-05	-0.03	2.05e-03
194	9	0.02	-0.04	-6.39e-06	0.0	0.0	-22.95	0.06	0.04	2.38e-05	-0.11	-0.11
		-0.11	-0.11	-2.60e-05	0.0	200.0	-21.76	0.06	0.04	2.38e-05	-0.04	0.02
194	10	6.47e-03	0.07	-1.21e-05	0.0	0.0	-35.32	0.02	-0.08	3.38e-05	0.07	-0.03
		-0.03	-0.09	1.24e-05	0.0	200.0	-34.13	0.02	-0.08	3.38e-05	-0.09	6.47e-03
194	11	0.01	-0.04	-4.41e-06	0.0	0.0	-17.25	0.09	0.11	3.47e-05	-0.25	-0.18
		-0.18	-0.25	-5.75e-05	0.0	200.0	-16.06	0.09	0.11	3.47e-05	-0.04	0.01
194	14	0.04	0.18	-1.22e-05	0.0	0.0	-37.68	-9.26e-03	-0.13	1.23e-05	0.18	0.04
		0.02	-0.07	4.04e-05	0.0	200.0	-36.49	-9.26e-03	-0.13	1.23e-05	-0.07	0.02
194	15	0.02	0.03	-8.37e-06	0.0	0.0	-28.64	0.03	-0.04	1.28e-05	0.03	-0.04
		-0.04	-0.05	5.97e-06	0.0	200.0	-27.45	0.03	-0.04	1.28e-05	-0.05	0.02
194	17	0.03	0.09	-9.37e-06	0.0	0.0	-31.49	0.01	-0.07	7.33e-06	0.09	3.86e-04
		3.86e-04	-0.05	2.13e-05	0.0	200.0	-30.30	0.01	-0.07	7.33e-06	-0.05	0.03
194	18	0.02	0.15	-1.11e-05	0.0	0.0	-35.20	-4.31e-05	-0.11	1.03e-05	0.15	0.02
		0.02	-0.06	3.28e-05	0.0	200.0	-34.01	-4.31e-05	-0.11	1.03e-05	-0.06	0.02
194	28	7.35	4.46	1.39e-03	0.0	0.0	322.09	-4.48	-2.52	9.26e-04	4.46	7.35
		-1.60	-0.57	1.09e-04	0.0	200.0	323.28	-4.48	-2.52	9.26e-04	-0.57	-1.60
194	29	1.64	0.44	-1.42e-03	0.0	0.0	-392.50	4.48	2.31	-9.05e-04	-4.17	-7.30
		-7.30	-4.17	-4.31e-05	0.0	200.0	-391.31	4.48	2.31	-9.05e-04	0.44	1.64
194	31	7.57	4.90	1.39e-03	0.0	0.0	304.03	-4.58	-2.75	9.21e-04	4.90	7.57
		-1.59	-0.61	2.07e-04	0.0	200.0	305.22	-4.58	-2.75	9.21e-04	-0.61	-1.59
194	34	1.64	0.48	-1.41e-03	0.0	0.0	-374.43	4.58	2.54	-9.00e-04	-4.60	-7.52
		-7.52	-4.60	-1.41e-04	0.0	200.0	-373.24	4.58	2.54	-9.00e-04	0.48	1.64
194	60	5.34	3.26	1.01e-03	0.0	0.0	226.23	-3.25	-1.85	6.75e-04	3.26	5.34
		-1.16	-0.43	8.10e-05	0.0	200.0	227.42	-3.25	-1.85	6.75e-04	-0.43	-1.16
194	61	1.20	0.30	-1.03e-03	0.0	0.0	-296.64	3.25	1.64	-6.55e-04	-2.96	-5.29
		-5.29	-2.96	-1.55e-05	0.0	200.0	-295.45	3.25	1.64	-6.55e-04	0.30	1.20
194	63	5.53	3.64	1.01e-03	0.0	0.0	210.28	-3.34	-2.05	6.69e-04	3.64	5.53
		-1.15	-0.46	1.67e-04	0.0	200.0	211.47	-3.34	-2.05	6.69e-04	-0.46	-1.15
194	66	1.20	0.34	-1.03e-03	0.0	0.0	-280.69	3.34	1.84	-6.49e-04	-3.34	-5.49
		-5.49	-3.34	-1.01e-04	0.0	200.0	-279.50	3.34	1.84	-6.49e-04	0.34	1.20
194	83	0.31	0.71	-1.96e-05	0.0	0.0	-59.30	-0.12	-0.39	7.85e-05	0.71	0.31
		0.03	-0.11	1.59e-04	0.0	200.0	-58.11	-0.12	-0.39	7.85e-05	-0.11	0.03
194	84	0.02	-0.01	-2.83e-06	0.0	0.0	-11.11	0.12	0.18	-5.78e-05	-0.01	-0.26
		-0.26	-0.41	-9.38e-05	0.0	200.0	-9.91	0.12	0.18	-5.78e-05	-0.01	0.02
194	85	0.33	0.74	-2.41e-05	0.0	0.0	-58.93	-0.14	-0.41	-7.67e-05	0.74	0.33
		0.03	-0.11	1.64e-04	0.0	200.0	-57.74	-0.14	-0.41	-7.67e-05	-0.11	0.03
194	86	0.02	-9.97e-03	1.88e-06	0.0	0.0	-11.48	0.14	0.20	9.73e-05	-0.44	-0.28
		-0.28	-0.44	-9.82e-05	0.0	200.0	-10.29	0.14	0.20	9.73e-05	-9.97e-03	0.02
194	96	8.77	5.31	1.67e-03	0.0	0.0	390.90	-5.35	-3.00	1.10e-03	5.31	8.77
		-1.91	-0.67	1.26e-04	0.0	200.0	392.09	-5.35	-3.00	1.10e-03	-0.67	-1.91
194	97	1.96	0.54	-1.69e-03	0.0	0.0	-461.30	5.35	2.79	-1.08e-03	-5.02	-8.72
		-8.72	-5.02	-6.07e-05	0.0	200.0	-460.11	5.35	2.79	-1.08e-03	0.54	1.96
194	99	9.03	5.81	1.66e-03	0.0	0.0	370.42	-5.47	-3.26	1.10e-03	5.81	9.03
		-1.91	-0.71	2.38e-04	0.0	200.0	371.61	-5.47	-3.26	1.10e-03	-0.71	-1.91
194	102	1.96	0.59	-1.68e-03	0.0	0.0	-440.83	5.47	3.05	-1.08e-03	-5.52	-8.98
		-8.98	-5.52	-1.72e-04	0.0	200.0	-439.64	5.47	3.05	-1.08e-03	0.59	1.96
195	2	-0.02	0.07	-6.32e-06	0.0	0.0	-76.21	0.01	-0.05	-1.35e-05	0.07	-0.05
		-0.05	-0.04	1.65e-05	0.0	200.0	-74.62	0.01	-0.05	-1.35e-05	-0.04	-0.02
195	3	-9.21e-03	0.24	-2.11e-06	0.0	0.0	-44.92	2.58e-03	-0.16	-1.06e-04	0.24	-0.01
		-0.01	-0.08	6.53e-05	0.0	200.0	-43.70	2.58e-03	-0.16	-1.06e-04	-0.08	-9.21e-03
195	5	-0.01	0.41	-3.36e-06	0.0	0.0	-62.75	3.83e-03	-0.26	-1.76e-04	0.41	-0.02
		-0.02	-0.11	1.11e-04	0.0	200.0	-61.17	3.83e-03	-0.26	-1.76e-04	-0.11	-0.01
195	6	-0.02	0.29	-6.20e-06	0.0	0.0	-77.72	9.81e-03	-0.18	-1.10e-04	0.29	-0.04
		-0.04	-0.08	7.77e-05	0.0	200.0	-76.14	9.81e-03	-0.18	-1.10e-04	-0.08	-0.02

		9.27	-2.56	3.03e-03	0.0	309.0	-42.06	-0.77	-2.50	2.15e-03	-2.56	9.27
196	42	3.35	6.50	1.19e-03	0.0	0.0	-42.55	-0.28	-2.96	2.80e-03	6.50	3.35
		2.75	-2.90	3.97e-03	0.0	309.0	-40.66	-0.28	-2.96	2.80e-03	-2.90	2.75
196	51	-5.02	3.76	-2.05e-03	0.0	0.0	-29.07	0.42	-1.77	6.80e-03	3.76	-5.32
		-5.32	-1.66	2.18e-03	0.0	309.0	-27.19	0.42	-1.77	6.80e-03	-1.66	-5.02
196	54	5.42	5.07	2.08e-03	0.0	0.0	-42.92	-0.46	-2.42	2.35e-03	5.07	5.42
		5.02	-2.46	2.94e-03	0.0	309.0	-41.04	-0.46	-2.42	2.35e-03	-2.46	5.02
196	63	-6.76	3.79	-2.95e-03	0.0	0.0	-30.15	0.60	-1.79	6.35e-03	3.79	-7.75
		-7.75	-1.69	2.20e-03	0.0	309.0	-28.26	0.60	-1.79	6.35e-03	-1.69	-6.76
196	66	7.85	5.04	2.98e-03	0.0	0.0	-41.85	-0.63	-2.40	2.80e-03	5.04	7.85
		6.76	-2.44	2.92e-03	0.0	309.0	-39.97	-0.63	-2.40	2.80e-03	-2.44	6.76
196	74	2.48	6.03	8.69e-04	0.0	0.0	-41.01	-0.24	-2.77	3.23e-03	6.03	2.48
		2.00	-2.73	3.65e-03	0.0	309.0	-39.12	-0.24	-2.77	3.23e-03	-2.73	2.00
196	83	0.03	3.03	3.68e-05	0.0	0.0	-32.85	0.03	-1.53	5.34e-03	3.03	-0.05
		-0.05	-1.53	1.61e-03	0.0	309.0	-30.97	0.03	-1.53	5.34e-03	-1.53	0.03
196	84	0.15	5.79	-1.19e-05	0.0	0.0	-39.14	-0.06	-2.66	3.81e-03	5.79	0.15
		-0.03	-2.60	3.51e-03	0.0	309.0	-37.26	-0.06	-2.66	3.81e-03	-2.60	-0.03
196	85	0.10	3.23	-4.98e-05	0.0	0.0	-33.30	0.08	-1.62	5.02e-03	3.23	-0.19
		-0.19	-1.63	1.74e-03	0.0	309.0	-31.41	0.08	-1.62	5.02e-03	-1.63	0.10
196	86	0.29	5.60	7.52e-05	0.0	0.0	-38.70	-0.11	-2.57	4.13e-03	5.60	0.29
		-0.10	-2.50	3.38e-03	0.0	309.0	-36.82	-0.11	-2.57	4.13e-03	-2.50	-0.10
196	87	-8.25	3.40	-3.39e-03	0.0	0.0	-24.73	0.63	-1.60	8.22e-03	3.40	-8.76
		-8.76	-1.44	1.97e-03	0.0	309.0	-22.85	0.63	-1.60	8.22e-03	-1.44	-8.25
196	90	8.86	5.43	3.42e-03	0.0	0.0	-47.26	-0.66	-2.60	9.34e-04	5.43	8.86
		8.25	-2.68	3.14e-03	0.0	309.0	-45.38	-0.66	-2.60	9.34e-04	-2.68	8.25
196	99	-11.07	3.45	-4.84e-03	0.0	0.0	-26.55	0.87	-1.62	7.47e-03	3.45	-12.70
		-12.70	-1.48	2.01e-03	0.0	309.0	-24.67	0.87	-1.62	7.47e-03	-1.48	-11.07
196	102	12.80	5.38	4.87e-03	0.0	0.0	-45.45	-0.90	-2.57	1.68e-03	5.38	12.80
		11.07	-2.65	3.11e-03	0.0	309.0	-43.56	-0.90	-2.57	1.68e-03	-2.65	11.07
196	110	3.99	6.85	1.43e-03	0.0	0.0	-43.68	-0.33	-3.10	2.48e-03	6.85	3.99
		3.29	-3.04	4.20e-03	0.0	309.0	-41.80	-0.33	-3.10	2.48e-03	-3.04	3.29
199	2	0.05	0.31	-2.24e-05	0.0	0.0	-21.67	0.02	0.26	0.0	-0.61	-4.38e-03
		-4.38e-03	-0.61	-3.89e-04	0.0	360.0	-18.82	0.02	0.26	0.0	0.31	0.05
199	3	5.47e-03	0.06	-1.25e-05	0.0	0.0	-14.26	2.71e-03	0.05	0.0	-0.12	-4.28e-03
		-4.28e-03	-0.12	-2.33e-05	0.0	360.0	-12.07	2.71e-03	0.05	0.0	0.06	5.47e-03
199	6	0.04	0.25	-2.79e-05	0.0	0.0	-23.42	0.01	0.21	0.0	-0.49	-7.71e-03
		-7.71e-03	-0.49	-2.47e-04	0.0	360.0	-20.57	0.01	0.21	0.0	0.25	0.04
199	8	0.03	0.24	-2.80e-05	0.0	0.0	-20.54	0.01	0.19	0.0	-0.45	-7.98e-03
		-7.98e-03	-0.45	-2.22e-04	0.0	360.0	-18.34	0.01	0.19	0.0	0.24	0.03
199	9	6.06e-03	0.06	-8.25e-06	0.0	0.0	-12.71	2.39e-03	0.05	0.0	-0.12	-2.55e-03
		-2.55e-03	-0.12	-4.34e-05	0.0	360.0	-10.52	2.39e-03	0.05	0.0	0.06	6.06e-03
199	10	0.03	0.21	-1.49e-05	0.0	0.0	-15.73	0.01	0.18	0.0	-0.42	-2.80e-03
		-2.80e-03	-0.42	-2.71e-04	0.0	360.0	-13.54	0.01	0.18	0.0	0.21	0.03
199	12	0.03	0.17	-1.86e-05	0.0	0.0	-16.89	8.41e-03	0.14	0.0	-0.34	-5.02e-03
		-5.02e-03	-0.34	-1.76e-04	0.0	360.0	-14.70	8.41e-03	0.14	0.0	0.17	0.03
199	13	7.24e-03	0.04	0.0	0.0	0.0	-9.61	1.76e-03	0.04	0.0	-0.11	8.94e-04
		8.94e-04	-0.11	-8.37e-05	0.0	360.0	-7.42	1.76e-03	0.04	0.0	0.04	7.24e-03
199	14	0.02	0.12	-3.62e-06	0.0	0.0	-11.12	5.76e-03	0.11	0.0	-0.26	7.71e-04
		7.71e-04	-0.26	-1.97e-04	0.0	360.0	-8.92	5.76e-03	0.11	0.0	0.12	0.02
199	16	0.02	0.09	-4.60e-06	0.0	0.0	-11.55	4.37e-03	0.08	0.0	-0.20	-3.29e-04
		-3.29e-04	-0.20	-1.38e-04	0.0	360.0	-9.36	4.37e-03	0.08	0.0	0.09	0.02
199	17	7.24e-03	0.04	0.0	0.0	0.0	-9.61	1.76e-03	0.04	0.0	-0.11	8.94e-04
		8.94e-04	-0.11	-8.37e-05	0.0	360.0	-7.42	1.76e-03	0.04	0.0	0.04	7.24e-03
199	18	0.02	0.09	-2.28e-06	0.0	0.0	-10.51	4.16e-03	0.08	0.0	-0.20	8.20e-04
		8.20e-04	-0.20	-1.52e-04	0.0	360.0	-8.32	4.16e-03	0.08	0.0	0.09	0.02
199	19	10.40	0.01	-7.80e-03	0.0	0.0	16.89	1.48	0.05	0.0	-0.15	5.43
		5.43	-0.15	-4.82e-04	0.0	360.0	19.08	1.48	0.05	0.0	0.01	10.40
199	22	-5.42	0.17	7.80e-03	0.0	0.0	-37.92	-1.47	0.11	0.0	-0.25	-5.42
		-10.37	-0.25	1.78e-04	0.0	360.0	-35.72	-1.47	0.11	0.0	0.17	-10.37
199	24	10.46	0.04	-7.81e-03	0.0	0.0	9.40	1.53	0.06	0.0	-0.18	5.31
		5.31	-0.18	-3.90e-04	0.0	360.0	11.59	1.53	0.06	0.0	0.04	10.46
199	25	-5.31	0.14	7.81e-03	0.0	0.0	-30.42	-1.52	0.10	0.0	-0.22	-5.31
		-10.43	-0.22	8.65e-05	0.0	360.0	-28.23	-1.52	0.10	0.0	0.14	-10.43
199	38	-1.35	0.15	2.31e-03	0.0	0.0	-31.23	-0.54	0.11	0.0	-0.26	-1.35
		-3.21	-0.26	1.01e-04	0.0	360.0	-29.04	-0.54	0.11	0.0	0.15	-3.21
199	51	7.56	0.03	-5.66e-03	0.0	0.0	10.06	1.09	0.05	0.0	-0.16	3.95
		3.95	-0.16	-4.00e-04	0.0	360.0	12.26	1.09	0.05	0.0	0.03	7.56
199	54	-3.95	0.15	5.65e-03	0.0	0.0	-31.09	-1.08	0.11	0.0	-0.24	-3.95
		-7.53	-0.24	9.58e-05	0.0	360.0	-28.90	-1.08	0.11	0.0	0.15	-7.53
199	56	7.62	0.05	-5.66e-03	0.0	0.0	3.38	1.13	0.07	0.0	-0.18	3.85
		3.85	-0.18	-3.18e-04	0.0	360.0	5.57	1.13	0.07	0.0	0.05	7.62
199	57	-3.85	0.13	5.66e-03	0.0	0.0	-24.41	-1.13	0.09	0.0	-0.21	-3.85
		-7.59	-0.21	2.61e-05	0.0	360.0	-22.22	-1.13	0.09	0.0	0.13	-7.59
199	70	-0.94	0.14	1.67e-03	0.0	0.0	-27.75	-0.42	0.11	0.0	-0.25	-0.94
		-2.35	-0.25	5.80e-05	0.0	360.0	-25.56	-0.42	0.11	0.0	0.14	-2.35

199	83	0.12	0.06	2.01e-05	0.0	0.0	0.43	0.10	0.06	0.0	-0.16	-0.24
		-0.24	-0.16	-2.86e-04	0.0	360.0	2.62	0.10	0.06	0.0	0.06	0.12
199	84	0.24	0.12	-2.36e-05	0.0	0.0	-21.45	-0.09	0.10	0.0	-0.24	0.24
		-0.08	-0.24	2.07e-05	0.0	360.0	-19.26	-0.09	0.10	0.0	0.12	-0.08
199	85	0.55	0.06	-2.78e-05	0.0	0.0	-1.41	-0.21	0.07	0.0	-0.17	0.55
		-0.25	-0.17	-2.63e-04	0.0	360.0	0.78	-0.21	0.07	0.0	0.06	-0.25
199	86	0.28	0.12	2.46e-05	0.0	0.0	-19.62	0.22	0.10	0.0	-0.23	-0.55
		-0.55	-0.23	-4.06e-05	0.0	360.0	-17.42	0.22	0.10	0.0	0.12	0.28
199	87	12.46	-2.52e-03	-9.35e-03	0.0	0.0	22.05	1.77	0.04	0.0	-0.14	6.50
		6.50	-0.14	-5.44e-04	0.0	360.0	24.24	1.77	0.04	0.0	-2.52e-03	12.46
199	90	-6.49	0.18	9.35e-03	0.0	0.0	-43.07	-1.76	0.12	0.0	-0.26	-6.49
		-12.43	-0.26	2.40e-04	0.0	360.0	-40.88	-1.76	0.12	0.0	0.18	-12.43
199	92	12.53	0.02	-9.36e-03	0.0	0.0	13.58	1.82	0.05	0.0	-0.17	6.37
		6.37	-0.17	-4.40e-04	0.0	360.0	15.77	1.82	0.05	0.0	0.02	12.53
199	93	-6.36	0.15	9.36e-03	0.0	0.0	-34.60	-1.81	0.11	0.0	-0.23	-6.36
		-12.50	-0.23	1.37e-04	0.0	360.0	-32.41	-1.81	0.11	0.0	0.15	-12.50
199	106	-1.63	0.16	2.77e-03	0.0	0.0	-34.45	-0.64	0.12	0.0	-0.27	-1.63
		-3.85	-0.27	1.40e-04	0.0	360.0	-32.26	-0.64	0.12	0.0	0.16	-3.85
202	2	0.14	0.15	3.57e-05	0.0	0.0	-42.49	-0.04	-0.10	-4.92e-05	0.15	0.14
		0.07	-0.04	8.31e-06	0.0	200.0	-40.95	-0.04	-0.10	-4.92e-05	-0.04	0.07
202	3	0.25	0.18	5.74e-05	0.0	0.0	-19.45	-0.10	-0.09	-3.20e-05	0.18	0.25
		0.05	-3.67e-03	5.47e-06	0.0	200.0	-18.26	-0.10	-0.09	-3.20e-05	-3.67e-03	0.05
202	5	0.44	0.29	1.01e-04	0.0	0.0	-21.27	-0.19	-0.14	-5.06e-05	0.29	0.44
		0.06	5.91e-03	6.45e-06	0.0	200.0	-19.72	-0.19	-0.14	-5.06e-05	5.91e-03	0.06
202	7	0.45	0.29	1.04e-04	0.0	0.0	-12.15	-0.20	-0.14	-4.84e-05	0.29	0.45
		0.05	0.02	4.28e-06	0.0	200.0	-10.96	-0.20	-0.14	-4.84e-05	0.02	0.05
202	9	0.15	0.12	3.40e-05	0.0	0.0	-23.10	-0.05	-0.07	-2.38e-05	0.12	0.15
		0.04	-0.01	6.07e-06	0.0	200.0	-21.91	-0.05	-0.07	-2.38e-05	-0.01	0.04
202	10	0.09	0.10	2.21e-05	0.0	0.0	-32.38	-0.02	-0.07	-3.38e-05	0.10	0.09
		0.05	-0.03	6.51e-06	0.0	200.0	-31.19	-0.02	-0.07	-3.38e-05	-0.03	0.05
202	11	0.28	0.20	6.53e-05	0.0	0.0	-18.23	-0.12	-0.10	-3.47e-05	0.20	0.28
		0.05	-4.30e-04	5.27e-06	0.0	200.0	-17.04	-0.12	-0.10	-3.47e-05	-4.30e-04	0.05
202	14	0.04	3.72e-03	-1.90e-05	0.0	0.0	-35.04	0.07	-0.02	-1.23e-05	3.72e-03	-0.09
		-0.09	-0.04	7.58e-06	0.0	200.0	-33.85	0.07	-0.02	-1.23e-05	-0.04	0.04
202	15	0.04	0.05	2.66e-06	0.0	0.0	-27.97	0.02	-0.04	-1.28e-05	0.05	9.30e-03
		9.30e-03	-0.03	6.91e-06	0.0	200.0	-26.78	0.02	-0.04	-1.28e-05	-0.03	0.04
202	17	0.04	0.01	-1.30e-05	0.0	0.0	-30.40	0.05	-0.02	-7.33e-06	0.01	-0.06
		-0.06	-0.03	7.32e-06	0.0	200.0	-29.21	0.05	-0.02	-7.33e-06	-0.03	0.04
202	18	0.04	8.05e-03	-1.66e-05	0.0	0.0	-33.18	0.06	-0.02	-1.03e-05	8.05e-03	-0.08
		-0.08	-0.04	7.46e-06	0.0	200.0	-31.99	0.06	-0.02	-1.03e-05	-0.04	0.04
202	27	4.55	6.91	6.52e-05	0.0	0.0	-393.46	-2.60	-3.50	-9.84e-04	6.91	4.55
		-0.64	-0.08	1.49e-03	0.0	200.0	-392.27	-2.60	-3.50	-9.84e-04	-0.08	-0.64
202	28	4.96	7.12	1.53e-04	0.0	0.0	-376.09	-2.81	-3.59	-9.26e-04	7.12	4.96
		-0.68	-0.09	1.49e-03	0.0	200.0	-374.90	-2.81	-3.59	-9.26e-04	-0.09	-0.68
202	29	0.77	9.35e-03	-1.86e-04	0.0	0.0	309.72	2.93	3.55	9.05e-04	-7.10	-5.11
		-5.11	-7.10	-1.47e-03	0.0	200.0	310.91	2.93	3.55	9.05e-04	9.35e-03	0.77
202	30	0.73	5.49e-03	-9.63e-05	0.0	0.0	327.09	2.72	3.45	9.64e-04	-6.89	-4.71
		-4.71	-6.89	-1.48e-03	0.0	200.0	328.28	2.72	3.45	9.64e-04	5.49e-03	0.73
202	59	3.26	5.02	3.78e-05	0.0	0.0	-296.78	-1.86	-2.55	-7.21e-04	5.02	3.26
		-0.45	-0.07	1.09e-03	0.0	200.0	-295.59	-1.86	-2.55	-7.21e-04	-0.07	-0.45
202	60	3.62	5.20	1.14e-04	0.0	0.0	-281.32	-2.05	-2.63	-6.75e-04	5.20	3.62
		-0.49	-0.07	1.08e-03	0.0	200.0	-280.13	-2.05	-2.63	-6.75e-04	-0.07	-0.49
202	61	0.57	-3.43e-03	-1.47e-04	0.0	0.0	214.95	2.17	2.58	6.55e-04	-5.18	-3.77
		-3.77	-5.18	-1.07e-03	0.0	200.0	216.14	2.17	2.58	6.55e-04	-3.43e-03	0.57
202	62	0.54	-4.95e-03	-6.80e-05	0.0	0.0	230.41	1.98	2.50	7.01e-04	-5.00	-3.42
		-3.42	-5.00	-1.07e-03	0.0	200.0	231.60	1.98	2.50	7.01e-04	-4.95e-03	0.54
202	83	0.10	-0.04	-1.37e-04	0.0	0.0	-56.36	0.34	0.10	-7.85e-05	-0.27	-0.61
		-0.61	-0.27	1.52e-05	0.0	200.0	-55.17	0.34	0.10	-7.85e-05	-0.27	0.10
202	84	0.46	0.28	1.03e-04	0.0	0.0	-10.00	-0.22	-0.14	5.78e-05	0.28	0.46
		-0.01	-0.04	0.0	0.0	200.0	-8.81	-0.22	-0.14	5.78e-05	-0.04	-0.01
202	95	5.46	8.25	8.30e-05	0.0	0.0	-462.85	-3.12	-4.18	-1.17e-03	8.25	5.46
		-0.77	-0.09	1.78e-03	0.0	200.0	-461.66	-3.12	-4.18	-1.17e-03	-0.09	-0.77
202	96	5.92	8.49	1.83e-04	0.0	0.0	-443.21	-3.36	-4.29	-1.10e-03	8.49	5.92
		-0.82	-0.10	1.77e-03	0.0	200.0	-442.02	-3.36	-4.29	-1.10e-03	-0.10	-0.82
202	97	0.91	0.02	-2.17e-04	0.0	0.0	376.84	3.48	4.24	1.08e-03	-8.48	-6.08
		-6.08	-8.48	-1.76e-03	0.0	200.0	378.03	3.48	4.24	1.08e-03	0.02	0.91
202	98	0.86	0.01	-1.14e-04	0.0	0.0	396.48	3.24	4.13	1.15e-03	-8.24	-5.62
		-5.62	-8.24	-1.77e-03	0.0	200.0	397.67	3.24	4.13	1.15e-03	0.01	0.86
203	2	-0.03	0.48	-1.02e-06	0.0	0.0	-45.80	7.84e-03	-1.11	0.0	0.48	-0.04
		-0.04	-0.40	1.43e-05	0.0	80.0	-45.17	7.84e-03	-1.11	0.0	-0.40	-0.03
203	3	-0.01	0.36	0.0	0.0	0.0	-31.20	1.80e-03	-0.53	0.0	0.36	-0.01
		-0.01	-0.07	1.64e-05	0.0	80.0	-30.72	1.80e-03	-0.53	0.0	-0.07	-0.01
203	6	-0.03	0.58	-1.00e-06	0.0	0.0	-51.99	6.76e-03	-1.11	0.0	0.58	-0.04
		-0.04	-0.30	2.20e-05	0.0	80.0	-51.36	6.76e-03	-1.11	0.0	-0.30	-0.03
203	9	-8.61e-03	0.30	0.0	0.0	0.0	-26.72	1.47e-03	-0.46	0.0	0.30	-9.79e-03

203	10	-9.79e-03	-0.07	1.31e-05	0.0	80.0	-26.23	1.47e-03	-0.46	0.0	-0.07	-8.61e-03
		-0.02	0.35	0.0	0.0	0.0	-32.90	5.33e-03	-0.78	0.0	0.35	-0.03
		-0.03	-0.28	1.04e-05	0.0	80.0	-32.41	5.33e-03	-0.78	0.0	-0.28	-0.02
203	12	-0.02	0.41	0.0	0.0	0.0	-37.03	4.62e-03	-0.78	0.0	0.41	-0.03
		-0.03	-0.21	1.56e-05	0.0	80.0	-36.54	4.62e-03	-0.78	0.0	-0.21	-0.02
203	13	-2.23e-03	0.17	0.0	0.0	0.0	-17.75	8.15e-04	-0.32	0.0	0.17	-2.89e-03
		-2.89e-03	-0.08	6.67e-06	0.0	80.0	-17.26	8.15e-04	-0.32	0.0	-0.08	-2.23e-03
203	14	-9.38e-03	0.20	0.0	0.0	0.0	-20.84	2.75e-03	-0.48	0.0	0.20	-0.01
		-0.01	-0.18	5.31e-06	0.0	80.0	-20.35	2.75e-03	-0.48	0.0	-0.18	-9.38e-03
203	16	-8.65e-03	0.23	0.0	0.0	0.0	-22.59	2.19e-03	-0.46	0.0	0.23	-0.01
		-0.01	-0.14	8.01e-06	0.0	80.0	-22.11	2.19e-03	-0.46	0.0	-0.14	-8.65e-03
203	17	-2.23e-03	0.17	0.0	0.0	0.0	-17.75	8.15e-04	-0.32	0.0	0.17	-2.89e-03
		-2.89e-03	-0.08	6.67e-06	0.0	80.0	-17.26	8.15e-04	-0.32	0.0	-0.08	-2.23e-03
203	18	-6.52e-03	0.19	0.0	0.0	0.0	-19.60	1.97e-03	-0.41	0.0	0.19	-8.10e-03
		-8.10e-03	-0.14	5.85e-06	0.0	80.0	-19.12	1.97e-03	-0.41	0.0	-0.14	-6.52e-03
203	24	-17.90	0.85	-5.72e-04	0.0	0.0	-80.19	6.53	-1.14	0.0	0.85	-23.13
		-23.13	-0.06	4.17e-05	0.0	80.0	-79.70	6.53	-1.14	0.0	-0.06	-17.90
203	25	23.11	-0.23	5.72e-04	0.0	0.0	40.98	-6.53	0.31	0.0	-0.48	23.11
		17.89	-0.48	-3.00e-05	0.0	80.0	41.47	-6.53	0.31	0.0	-0.23	17.89
203	56	-13.01	0.69	-4.16e-04	0.0	0.0	-65.22	4.76	-0.96	0.0	0.69	-16.82
		-16.82	-0.08	3.29e-05	0.0	80.0	-64.74	4.76	-0.96	0.0	-0.08	-13.01
203	57	16.80	-0.21	4.16e-04	0.0	0.0	26.02	-4.76	0.13	0.0	-0.31	16.80
		13.00	-0.31	-2.12e-05	0.0	80.0	26.51	-4.76	0.13	0.0	-0.21	13.00
203	85	0.51	-0.15	1.21e-05	0.0	0.0	8.79	-0.24	-0.02	0.0	-0.15	0.51
		0.32	-0.18	-1.21e-05	0.0	80.0	9.27	-0.24	-0.02	0.0	-0.18	0.32
203	86	-0.34	0.53	-1.25e-05	0.0	0.0	-47.99	0.24	-0.80	0.0	0.53	-0.53
		-0.53	-0.11	2.38e-05	0.0	80.0	-47.50	0.24	-0.80	0.0	-0.11	-0.53
203	92	-21.45	0.98	-6.85e-04	0.0	0.0	-91.55	7.82	-1.27	0.0	0.98	-27.70
		-27.70	-0.04	4.84e-05	0.0	80.0	-91.06	7.82	-1.27	0.0	-0.04	-21.45
203	93	27.68	-0.25	6.85e-04	0.0	0.0	52.35	-7.82	0.44	0.0	-0.60	27.68
		21.43	-0.60	-3.67e-05	0.0	80.0	52.83	-7.82	0.44	0.0	-0.25	21.43
204	2	0.14	8.56	3.28e-06	0.0	0.0	-15.77	-0.05	14.03	0.0	-2.85	0.14
		0.10	-2.85	7.02e-05	0.47	80.0	-15.13	-0.05	14.50	0.0	8.56	0.10
204	3	0.04	1.82	1.02e-06	0.0	0.0	-6.49	-0.02	2.66	0.0	-0.49	0.04
		0.03	-0.49	1.88e-05	0.47	80.0	-6.00	-0.02	3.13	0.0	1.82	0.03
204	7	0.05	2.11	1.11e-06	0.0	0.0	3.23	-0.03	2.75	0.0	-0.40	0.05
		0.03	-0.40	2.93e-05	0.78	80.0	3.71	-0.03	3.53	0.0	2.11	0.03
204	9	0.04	1.68	0.0	0.0	0.0	-11.35	-0.02	2.62	0.0	-0.54	0.04
		0.03	-0.54	1.36e-05	0.31	80.0	-10.86	-0.02	2.93	0.0	1.68	0.03
204	10	0.10	5.89	2.31e-06	0.0	0.0	-13.32	-0.04	9.69	0.0	-1.98	0.10
		0.07	-1.98	4.72e-05	0.31	80.0	-12.83	-0.04	10.00	0.0	5.89	0.07
204	11	0.05	1.87	1.03e-06	0.0	0.0	-4.87	-0.02	2.68	0.0	-0.48	0.05
		0.03	-0.48	2.06e-05	0.52	80.0	-4.38	-0.02	3.20	0.0	1.87	0.03
204	13	0.04	1.39	0.0	0.0	0.0	-21.06	-0.02	2.53	0.0	-0.64	0.04
		0.02	-0.64	-6.34e-06	0.0	80.0	-20.57	-0.02	2.53	0.0	1.39	0.02
204	14	0.06	3.50	1.55e-06	0.0	0.0	-22.05	-0.02	6.07	0.0	-1.36	0.06
		0.05	-1.36	1.99e-05	0.0	80.0	-21.56	-0.02	6.07	0.0	3.50	0.05
204	15	0.04	1.49	0.0	0.0	0.0	-17.82	-0.02	2.56	0.0	-0.60	0.04
		0.02	-0.60	6.55e-06	0.10	80.0	-17.34	-0.02	2.67	0.0	1.49	0.02
204	17	0.04	1.39	0.0	0.0	0.0	-21.06	-0.02	2.53	0.0	-0.64	0.04
		0.02	-0.64	-6.34e-06	0.0	80.0	-20.57	-0.02	2.53	0.0	1.39	0.02
204	18	0.05	2.66	1.29e-06	0.0	0.0	-21.65	-0.02	4.66	0.0	-1.07	0.05
		0.04	-1.07	1.31e-05	0.0	80.0	-21.17	-0.02	4.66	0.0	2.66	0.04
204	24	-7.08	3.19	-1.90e-04	0.0	0.0	41.61	0.49	4.66	0.0	-0.40	-7.08
		-7.12	-0.40	5.32e-05	0.0	80.0	42.09	0.49	4.66	0.0	3.19	-7.12
204	25	7.23	2.12	1.93e-04	0.0	0.0	-84.91	-0.53	4.65	0.0	-1.73	7.23
		7.15	-1.73	-2.92e-05	0.0	80.0	-84.43	-0.53	4.65	0.0	2.12	7.15
204	31	-10.31	2.37	-2.85e-04	0.0	0.0	-1.31	0.79	3.76	0.0	-0.85	-10.31
		-10.80	-0.85	2.26e-05	0.0	80.0	-0.83	0.79	3.76	0.0	2.37	-10.80
204	34	-10.91	2.94	2.87e-04	0.0	0.0	-41.99	-0.83	5.55	0.0	-1.28	-10.91
		10.39	-1.28	-1.56e-05	0.0	80.0	-41.51	-0.83	5.55	0.0	2.94	10.39
204	44	-1.80	3.97	-4.89e-05	0.0	0.0	31.15	9.72e-03	6.33	0.0	-0.50	-1.80
		-1.89	-0.50	5.38e-05	0.0	80.0	31.64	9.72e-03	6.33	0.0	3.97	-1.89
204	56	-5.13	3.12	-1.38e-04	0.0	0.0	25.98	0.38	4.74	0.0	-0.57	-5.13
		-5.17	-0.57	4.38e-05	0.0	80.0	26.46	0.38	4.74	0.0	3.12	-5.17
204	57	5.27	2.19	1.40e-04	0.0	0.0	-69.28	-0.42	4.57	0.0	-1.57	5.27
		5.21	-1.57	-2.21e-05	0.0	80.0	-68.79	-0.42	4.57	0.0	2.19	5.21
204	63	-7.51	2.39	-2.07e-04	0.0	0.0	-8.47	0.62	3.91	0.0	-0.93	-7.51
		-7.87	-0.93	1.85e-05	0.0	80.0	-7.98	0.62	3.91	0.0	2.39	-7.87
204	66	7.98	2.92	2.10e-04	0.0	0.0	-34.84	-0.66	5.40	0.0	-1.21	7.98
		7.58	-1.21	-1.35e-05	0.0	80.0	-34.35	-0.66	5.40	0.0	2.92	7.58
204	76	-1.25	3.84	-3.42e-05	0.0	0.0	22.23	-9.50e-03	6.17	0.0	-0.60	-1.25
		-1.33	-0.60	4.78e-05	0.0	80.0	22.72	-9.50e-03	6.17	0.0	3.84	-1.33
204	85	-0.14	1.63	-4.94e-06	0.0	0.0	-50.92	0.09	3.18	0.0	-1.38	-0.14
		-0.21	-1.38	-1.47e-05	0.0	80.0	-50.43	0.09	3.18	0.0	1.63	-0.21

204	86	0.31	3.68	7.51e-06	0.0	0.0	7.61	-0.13	6.13	0.0	-0.76	0.31
		0.22	-0.76	3.84e-05	0.0	80.0	8.10	-0.13	6.13	0.0	3.68	0.22
204	92	-8.49	3.27	-2.28e-04	0.0	0.0	53.47	0.59	4.63	0.0	-0.28	-8.54
		-8.54	-0.28	6.05e-05	0.0	80.0	53.96	0.59	4.63	0.0	3.27	-8.49
204	93	8.65	2.04	2.31e-04	0.0	0.0	-96.78	-0.63	4.68	0.0	-1.86	8.65
		8.56	-1.86	-3.49e-05	0.0	80.0	-96.29	-0.63	4.68	0.0	2.04	8.56
204	99	-12.32	2.33	-3.40e-04	0.0	0.0	3.24	0.94	3.62	0.0	-0.81	-12.90
		-12.90	-0.81	2.50e-05	0.0	80.0	3.72	0.94	3.62	0.0	2.33	-12.32
204	102	13.01	2.98	3.42e-04	0.0	0.0	-46.54	-0.98	5.69	0.0	-1.33	13.01
		12.39	-1.33	-1.71e-05	0.0	80.0	-46.05	-0.98	5.69	0.0	2.98	12.39
204	112	-2.18	4.14	-5.92e-05	0.0	0.0	39.44	0.02	6.54	0.0	-0.40	-2.18
		-2.28	-0.40	5.98e-05	0.0	80.0	39.92	0.02	6.54	0.0	4.14	-2.28
205	2	0.06	0.20	-2.24e-05	0.0	0.0	-15.87	0.02	-5.27e-03	0.0	0.20	-5.69e-03
		-5.69e-03	0.18	-6.43e-05	0.0	360.0	-13.02	0.02	-5.27e-03	0.0	0.18	0.06
205	4	0.05	0.19	-2.25e-05	0.0	0.0	-13.34	0.02	-5.41e-03	0.0	0.19	-5.90e-03
		-5.90e-03	0.17	-5.82e-05	0.0	360.0	-11.15	0.02	-5.41e-03	0.0	0.17	0.05
205	5	0.01	0.05	-2.09e-05	0.0	0.0	-19.37	6.14e-03	9.50e-03	0.0	0.05	-9.10e-03
		-9.10e-03	0.02	9.50e-05	0.0	360.0	-16.52	6.14e-03	9.50e-03	0.0	0.02	0.01
205	7	0.01	0.04	-2.10e-05	0.0	0.0	-16.85	5.52e-03	9.36e-03	0.0	0.04	-9.31e-03
		-9.31e-03	0.01	1.02e-04	0.0	360.0	-14.66	5.52e-03	9.36e-03	0.0	0.01	0.01
205	8	0.04	0.14	-2.79e-05	0.0	0.0	-16.76	0.01	1.52e-03	0.0	0.14	-9.73e-03
		-9.73e-03	0.13	8.31e-05	0.0	360.0	-14.56	0.01	1.52e-03	0.0	0.13	0.04
205	10	0.04	0.14	-1.49e-05	0.0	0.0	-11.70	0.01	-3.45e-03	0.0	0.14	-3.70e-03
		-3.70e-03	0.12	-4.56e-05	0.0	360.0	-9.51	0.01	-3.45e-03	0.0	0.12	0.04
205	11	9.74e-03	0.04	-1.39e-05	0.0	0.0	-14.04	4.37e-03	6.40e-03	0.0	0.04	-5.97e-03
		-5.97e-03	0.01	6.03e-05	0.0	360.0	-11.84	4.37e-03	6.40e-03	0.0	0.01	9.74e-03
205	12	0.03	0.10	-1.85e-05	0.0	0.0	-13.98	0.01	1.17e-03	0.0	0.10	-6.25e-03
		-6.25e-03	0.10	4.78e-05	0.0	360.0	-11.78	0.01	1.17e-03	0.0	0.10	0.03
205	14	0.02	0.08	-3.66e-06	0.0	0.0	-8.37	6.15e-03	-3.28e-03	0.0	0.08	5.03e-04
		5.03e-04	0.07	-4.73e-05	0.0	360.0	-6.18	6.15e-03	-3.28e-03	0.0	0.07	0.02
205	15	8.42e-03	0.03	-2.57e-06	0.0	0.0	-9.54	2.51e-03	1.65e-03	0.0	0.03	-6.33e-04
		-6.33e-04	0.02	-1.27e-05	0.0	360.0	-7.35	2.51e-03	1.65e-03	0.0	0.02	8.42e-03
205	16	0.02	0.06	-4.61e-06	0.0	0.0	-9.51	4.97e-03	-5.94e-04	0.0	0.06	-7.52e-04
		-7.52e-04	0.05	-2.73e-05	0.0	360.0	-7.32	4.97e-03	-5.94e-04	0.0	0.05	0.02
205	17	8.09e-03	0.02	0.0	0.0	0.0	-8.41	2.05e-03	4.61e-04	0.0	0.02	7.02e-04
		7.02e-04	0.02	-2.40e-05	0.0	360.0	-6.22	2.05e-03	4.61e-04	0.0	0.02	8.09e-03
205	18	0.02	0.06	-2.32e-06	0.0	0.0	-8.39	4.51e-03	-1.78e-03	0.0	0.06	5.82e-04
		5.82e-04	0.05	-3.75e-05	0.0	360.0	-6.19	4.51e-03	-1.78e-03	0.0	0.05	0.02
205	24	10.48	0.12	-7.82e-03	0.0	0.0	-36.36	1.54	0.03	0.0	0.12	5.30
		5.30	0.02	3.24e-04	0.0	360.0	-34.17	1.54	0.03	0.0	0.02	10.48
205	25	-5.30	0.10	7.81e-03	0.0	0.0	19.58	-1.53	-0.03	0.0	0.10	-5.30
		-10.45	-0.02	-3.80e-04	0.0	360.0	21.78	-1.53	-0.03	0.0	-0.02	-10.45
205	56	7.63	0.11	-5.67e-03	0.0	0.0	-29.38	1.14	0.02	0.0	0.11	3.84
		3.84	0.03	2.37e-04	0.0	360.0	-27.19	1.14	0.02	0.0	0.03	7.63
205	57	-3.84	0.09	5.66e-03	0.0	0.0	12.61	-1.13	-0.02	0.0	0.09	-3.84
		-7.60	-1.19e-03	-2.94e-04	0.0	360.0	14.80	-1.13	-0.02	0.0	-1.19e-03	-7.60
205	85	0.55	0.09	-2.79e-05	0.0	0.0	3.57	-0.21	-0.02	0.0	0.09	0.55
		-0.24	0.02	-1.97e-04	0.0	360.0	5.76	-0.21	-0.02	0.0	0.02	-0.24
205	86	0.28	0.08	2.46e-05	0.0	0.0	-20.35	0.22	0.01	0.0	0.08	-0.55
		-0.55	0.03	1.41e-04	0.0	360.0	-18.15	0.22	0.01	0.0	0.03	0.28
205	92	12.55	0.14	-9.37e-03	0.0	0.0	-41.63	1.83	0.03	0.0	0.14	6.35
		6.35	0.01	3.89e-04	0.0	360.0	-39.44	1.83	0.03	0.0	0.01	12.55
205	93	-6.35	0.10	9.37e-03	0.0	0.0	24.86	-1.82	-0.04	0.0	0.10	-6.35
		-12.51	-0.03	-4.46e-04	0.0	360.0	27.05	-1.82	-0.04	0.0	-0.03	-12.51
206	2	-0.02	0.26	-6.32e-06	0.0	0.0	-65.46	0.01	-0.19	4.33e-04	0.26	-0.02
		-0.05	-0.13	6.20e-05	0.0	200.0	-63.88	0.01	-0.19	4.33e-04	-0.13	-0.05
206	3	-9.18e-03	0.28	-2.12e-06	0.0	0.0	-44.25	2.60e-03	-0.20	2.42e-04	0.28	-9.18e-03
		-0.01	-0.11	7.29e-05	0.0	200.0	-43.03	2.60e-03	-0.20	2.42e-04	-0.11	-0.01
206	5	-0.01	0.46	-3.36e-06	0.0	0.0	-62.36	3.85e-03	-0.31	3.85e-04	0.46	-0.02
		-0.02	-0.16	1.21e-04	0.0	200.0	-60.77	3.85e-03	-0.31	3.85e-04	-0.16	-0.02
206	6	-0.02	0.44	-6.21e-06	0.0	0.0	-70.69	9.85e-03	-0.30	5.08e-04	0.44	-0.04
		-0.04	-0.17	1.13e-04	0.0	200.0	-69.10	9.85e-03	-0.30	5.08e-04	-0.17	-0.04
206	9	-6.44e-03	0.20	-1.56e-06	0.0	0.0	-39.85	2.18e-03	-0.14	1.78e-04	0.20	-6.44e-03
		-0.01	-0.09	4.93e-05	0.0	200.0	-38.63	2.18e-03	-0.14	1.78e-04	-0.09	-0.01
206	10	-0.02	0.18	-4.27e-06	0.0	0.0	-47.78	7.90e-03	-0.13	2.95e-04	0.18	-0.03
		-0.03	-0.09	4.16e-05	0.0	200.0	-46.56	7.90e-03	-0.13	2.95e-04	-0.09	-0.03
206	11	-0.01	0.31	-2.30e-06	0.0	0.0	-45.71	2.74e-03	-0.21	2.63e-04	0.31	-0.02
		-0.02	-0.11	8.08e-05	0.0	200.0	-44.49	2.74e-03	-0.21	2.63e-04	-0.11	-0.02
206	12	-0.02	0.30	-4.20e-06	0.0	0.0	-51.26	6.75e-03	-0.21	3.45e-04	0.30	-0.03
		-0.03	-0.12	7.54e-05	0.0	200.0	-50.05	6.75e-03	-0.21	3.45e-04	-0.12	-0.03
206	13	-9.50e-04	0.03	0.0	0.0	0.0	-31.05	1.33e-03	-0.04	4.98e-05	0.03	-3.61e-03
		-3.61e-03	-0.05	2.88e-06	0.0	200.0	-29.83	1.33e-03	-0.04	4.98e-05	-0.05	-3.61e-03
206	14	-5.25e-03	0.02	-1.81e-06	0.0	0.0	-35.02	4.19e-03	-0.03	1.08e-04	0.02	-5.25e-03
		-0.01	-0.05	-1.78e-06	0.0	200.0	-33.80	4.19e-03	-0.03	1.08e-04	-0.05	-0.01
206	15	-2.78e-03	0.09	0.0	0.0	0.0	-33.98	1.61e-03	-0.07	9.25e-05	0.09	-6.00e-03

206	16	-6.00e-03 -5.36e-03 -0.01	-0.06 0.08 -0.06	1.78e-05 -1.64e-06 1.55e-05	0.0 0.0 0.0	200.0 0.0 200.0	-32.76 -36.36 -35.14	1.61e-03 3.33e-03 3.33e-03	-0.07 -0.07 -0.07	9.25e-05 1.28e-04 1.28e-04	-0.06 0.08 -0.06	-2.78e-03 -0.01 -5.36e-03
206	17	-9.50e-04 -3.61e-03	0.03 -0.05	0.0 2.88e-06	0.0 0.0	0.0 200.0	-31.05 -29.83	1.33e-03 1.33e-03	-0.04 -0.04	4.98e-05 4.98e-05	0.03 -0.05	-3.61e-03 -9.50e-04
206	18	-3.53e-03 -9.62e-03	0.02 -0.05	-1.27e-06 1.56e-06	0.0 0.0	0.0 200.0	-33.43 -32.21	3.04e-03 3.04e-03	-0.04 -0.04	8.50e-05 8.50e-05	0.02 -0.05	-9.62e-03 -3.53e-03
206	24	-9.92 -23.16	1.33 -0.92	-3.13e-03 2.76e-04	0.0 0.0	0.0 200.0	-157.62 -156.40	6.65 6.65	-1.12 -1.12	3.24e-03 3.24e-03	1.33 -0.92	-9.92 -23.16
206	25	23.14 9.92	0.83 -1.28	3.13e-03 -2.76e-04	0.0 0.0	0.0 200.0	90.76 91.98	-6.64 -6.64	1.05 1.05	-3.07e-03 -3.07e-03	-1.28 0.83	23.14 9.92
206	28	-8.53 -18.26	1.44 -0.98	-2.51e-03 3.01e-04	0.0 0.0	0.0 200.0	-171.70 -170.48	4.88 4.88	-1.21 -1.21	2.75e-03 2.75e-03	1.44 -0.98	-18.26 -8.53
206	29	18.24 8.52	0.88 -1.39	2.51e-03 -3.02e-04	0.0 0.0	0.0 200.0	104.84 106.06	-4.87 -4.87	1.14 1.14	-2.58e-03 -2.58e-03	-1.39 0.88	18.24 8.52
206	56	-7.20 -16.85	0.99 -0.68	-2.28e-03 2.06e-04	0.0 0.0	0.0 200.0	-124.93 -123.71	4.85 4.85	-0.84 -0.84	2.40e-03 2.40e-03	0.99 -0.68	-7.20 -16.85
206	57	16.83 7.20	0.59 -0.94	2.27e-03 -2.06e-04	0.0 0.0	0.0 200.0	58.07 59.29	-4.85 -4.85	0.77 0.77	-2.23e-03 -2.23e-03	-0.94 0.59	16.83 7.20
206	60	-6.20 -13.28	1.08 -0.73	-1.83e-03 2.26e-04	0.0 0.0	0.0 200.0	-135.59 -134.37	3.55 3.55	-0.90 -0.90	2.05e-03 2.05e-03	1.08 -0.73	-6.20 -13.28
206	61	13.26 6.20	0.63 -1.03	1.82e-03 -2.27e-04	0.0 0.0	0.0 200.0	68.73 69.95	-3.54 -3.54	0.83 0.83	-1.88e-03 -1.88e-03	-1.03 0.63	13.26 6.20
206	83	-0.03 -0.26	0.01 -0.38	-2.89e-05 -1.20e-04	0.0 0.0	0.0 200.0	-8.03 -6.81	0.13 0.13	0.20 0.20	-2.83e-04 -2.83e-04	-0.38 0.01	-0.03 -0.26
206	84	0.24 0.02	0.43 -0.11	2.64e-05 1.20e-04	0.0 0.0	0.0 200.0	-58.83 -57.61	-0.13 -0.13	-0.27 -0.27	4.53e-04 4.53e-04	0.43 -0.11	0.24 0.02
206	85	0.57 0.07	7.07e-03 -0.33	6.35e-05 -1.05e-04	0.0 0.0	0.0 200.0	-10.82 -9.60	-0.30 -0.30	0.17 0.17	-4.38e-04 -4.38e-04	-0.33 7.07e-03	0.57 0.07
206	86	-0.08 -0.59	0.38 -0.10	-6.60e-05 1.04e-04	0.0 0.0	0.0 200.0	-56.04 -54.83	0.30 0.30	-0.24 -0.24	6.08e-04 6.08e-04	0.38 -0.10	-0.08 -0.59
206	92	-11.89 -27.73	1.58 -1.09	-3.75e-03 3.28e-04	0.0 0.0	0.0 200.0	-181.67 -180.45	7.96 7.96	-1.34 -1.34	3.86e-03 3.86e-03	1.58 -1.09	-11.89 -27.73
206	93	27.71 11.88	1.00 -1.53	3.75e-03 -3.28e-04	0.0 0.0	0.0 200.0	114.81 116.03	-7.95 -7.95	1.26 1.26	-3.69e-03 -3.69e-03	-1.53 1.00	27.71 11.88
206	96	-10.18 -21.81	1.71 -1.16	-3.00e-03 3.57e-04	0.0 0.0	0.0 200.0	-197.94 -196.73	5.83 5.83	-1.43 -1.43	3.26e-03 3.26e-03	1.71 -1.16	-10.18 -21.81
206	97	21.79 10.17	1.06 -1.66	3.00e-03 -3.58e-04	0.0 0.0	0.0 200.0	131.09 132.30	-5.82 -5.82	1.36 1.36	-3.09e-03 -3.09e-03	-1.66 1.06	21.79 10.17
207	2	0.06 4.46e-05	0.18 -2.67e-03	1.68e-05 4.93e-04	0.0 0.0	0.0 360.0	2.36 5.21	-0.02 -0.02	-0.05 -0.05	0.0 0.0	0.18 -2.67e-03	0.06 4.46e-05
207	3	9.58e-03 1.84e-05	0.04 -4.26e-04	-6.50e-06 1.33e-04	0.0 0.0	0.0 360.0	-4.81 -2.61	-2.66e-03 -2.66e-03	-0.01 -0.01	0.0 0.0	0.04 -4.26e-04	9.58e-03 1.84e-05
207	4	0.05 4.20e-05	0.17 -2.61e-03	1.49e-05 4.82e-04	0.0 0.0	0.0 360.0	3.41 5.60	-0.01 -0.01	-0.05 -0.05	0.0 0.0	0.17 -2.61e-03	0.05 4.20e-05
207	5	0.01 2.74e-05	0.05 -6.45e-04	-1.31e-05 2.08e-04	0.0 0.0	0.0 360.0	-6.72 -3.87	-3.60e-03 -3.60e-03	-0.01 -0.01	0.0 0.0	0.05 -6.45e-04	0.01 2.74e-05
207	9	9.08e-03 1.52e-05	0.03 -3.43e-04	-2.26e-06 1.02e-04	0.0 0.0	0.0 360.0	-4.37 -2.18	-2.52e-03 -2.52e-03	-9.02e-03 -9.02e-03	0.0 0.0	0.03 -3.43e-04	9.08e-03 1.52e-05
207	10	0.04 3.09e-05	0.12 -1.80e-03	1.20e-05 3.34e-04	0.0 0.0	0.0 360.0	1.10 3.29	-0.01 -0.01	-0.04 -0.04	0.0 0.0	0.12 -1.80e-03	0.04 3.09e-05
207	11	9.74e-03 1.95e-05	0.04 -4.53e-04	-7.92e-06 1.44e-04	0.0 0.0	0.0 360.0	-4.95 -2.76	-2.70e-03 -2.70e-03	-0.01 -0.01	0.0 0.0	0.04 -4.53e-04	9.74e-03 1.95e-05
207	13	8.09e-03 8.88e-06	0.02 -1.77e-04	6.24e-06 3.93e-05	0.0 0.0	0.0 360.0	-3.51 -1.32	-2.24e-03 -2.24e-03	-6.88e-03 -6.88e-03	0.0 0.0	0.02 -1.77e-04	8.09e-03 8.88e-06
207	14	0.02 1.67e-05	0.07 -9.07e-04	1.34e-05 1.55e-04	0.0 0.0	0.0 360.0	-0.78 1.42	-6.29e-03 -6.29e-03	-0.02 -0.02	0.0 0.0	0.07 -9.07e-04	0.02 1.67e-05
207	15	8.42e-03 1.10e-05	0.03 -2.32e-04	3.41e-06 6.02e-05	0.0 0.0	0.0 360.0	-3.80 -1.61	-2.34e-03 -2.34e-03	-7.59e-03 -7.59e-03	0.0 0.0	0.03 -2.32e-04	8.42e-03 1.10e-05
207	17	8.09e-03 8.88e-06	0.02 -1.77e-04	6.24e-06 3.93e-05	0.0 0.0	0.0 360.0	-3.51 -1.32	-2.24e-03 -2.24e-03	-6.88e-03 -6.88e-03	0.0 0.0	0.02 -1.77e-04	8.09e-03 8.88e-06
207	18	0.02 1.36e-05	0.05 -6.15e-04	1.05e-05 1.09e-04	0.0 0.0	0.0 360.0	-1.87 0.32	-4.67e-03 -4.67e-03	-0.01 -0.01	0.0 0.0	0.05 -6.15e-04	0.02 1.36e-05
207	24	10.48 -0.01	0.12 6.29e-04	5.77e-04 5.80e-04	0.0 0.0	0.0 360.0	-8.33 -6.14	-2.91 -2.91	-0.03 -0.03	0.0 0.0	0.12 6.29e-04	10.48 -0.01
207	25	0.01 -10.45	-1.86e-03 -0.02	-5.56e-04 -3.62e-04	0.0 0.0	0.0 360.0	4.59 6.78	2.91 2.91	4.55e-03 4.55e-03	0.0 0.0	-0.02 -1.86e-03	-10.45 0.01
207	56	7.63 -8.76e-03	0.10 2.69e-04	4.13e-04 4.62e-04	0.0 0.0	0.0 360.0	-6.75 -4.56	-2.12 -2.12	-0.03 -0.03	0.0 0.0	0.10 2.69e-04	7.63 -8.76e-03
207	57	8.79e-03 -7.60	-2.55e-04 -1.50e-03	-3.92e-04 -2.44e-04	0.0 0.0	0.0 360.0	3.01 5.20	2.11 2.11	-3.42e-04 -3.42e-04	0.0 0.0	-2.55e-04 -1.50e-03	8.79e-03 -7.60
207	66	-2.57e-03 -5.88	0.04 -2.49e-03	9.61e-04 -6.26e-06	0.0 0.0	0.0 360.0	-1.84 0.36	1.63 1.63	-0.01 -0.01	0.0 0.0	0.04 -2.49e-03	-2.57e-03 -5.88
207	85	-1.10e-03 -0.24	0.02 -5.71e-05	8.94e-05 -8.40e-05	0.0 0.0	0.0 360.0	1.18 3.38	0.07 0.07	-6.45e-03 -6.45e-03	0.0 0.0	0.02 -5.71e-05	-1.10e-03 -0.24

207	86	0.28	0.08	-6.83e-05	0.0	0.0	-4.92	-0.08	-0.02	0.0	0.08	0.28
		1.13e-03	-1.17e-03	3.02e-04	0.0	360.0	-2.73	-0.08	-0.02	0.0	-1.17e-03	1.13e-03
207	92	12.55	0.14	6.93e-04	0.0	0.0	-9.53	-3.49	-0.04	0.0	0.14	12.55
		-0.01	8.82e-04	6.69e-04	0.0	360.0	-7.34	-3.49	-0.04	0.0	8.82e-04	-0.01
207	93	0.01	-2.11e-03	-6.72e-04	0.0	0.0	5.79	3.48	8.23e-03	0.0	-0.03	-12.51
		-12.51	-0.03	-4.51e-04	0.0	360.0	7.98	3.48	8.23e-03	0.0	-2.11e-03	0.01
208	1	7.57e-03	0.11	-3.60e-06	0.0	0.0	-14.21	-0.01	0.29	-1.08e-04	-0.24	7.57e-03
		-4.47e-03	-0.24	2.14e-05	0.0	120.0	-13.26	-0.01	0.29	-1.08e-04	0.11	-4.47e-03
208	4	0.05	0.11	-3.69e-06	0.0	0.0	-8.89	0.02	0.31	-1.23e-05	-0.26	0.05
		0.02	-0.26	3.74e-05	0.0	120.0	-8.16	0.02	0.31	-1.23e-05	0.11	0.05
208	6	0.03	0.18	-6.72e-06	0.0	0.0	-12.53	0.01	0.50	-1.10e-04	-0.42	0.03
		0.01	-0.42	4.39e-05	0.0	120.0	-11.58	0.01	0.50	-1.10e-04	0.18	0.03
208	9	6.07e-03	0.07	-2.27e-06	0.0	0.0	-10.98	-7.98e-03	0.20	-7.22e-05	-0.16	6.07e-03
		-3.51e-03	-0.16	1.49e-05	0.0	120.0	-10.25	-7.98e-03	0.20	-7.22e-05	0.07	-3.51e-03
208	10	0.03	0.08	-2.13e-06	0.0	0.0	-9.70	0.01	0.21	-9.56e-06	-0.17	0.03
		0.01	-0.17	2.65e-05	0.0	120.0	-8.97	0.01	0.21	-9.56e-06	0.08	0.03
208	12	0.02	0.12	-4.35e-06	0.0	0.0	-9.86	8.08e-03	0.33	-7.38e-05	-0.28	0.02
		0.01	-0.28	2.99e-05	0.0	120.0	-9.13	8.08e-03	0.33	-7.38e-05	0.12	0.02
208	13	7.68e-03	5.44e-03	0.0	0.0	0.0	-11.31	-9.72e-03	5.31e-03	-4.03e-06	-9.31e-04	7.68e-03
		-3.98e-03	-9.31e-04	4.60e-06	0.0	120.0	-10.58	-9.72e-03	5.31e-03	-4.03e-06	5.44e-03	-3.98e-03
208	14	0.01	7.88e-03	1.06e-06	0.0	0.0	-10.67	9.27e-04	0.01	2.73e-05	-7.31e-03	0.01
		0.01	-7.31e-03	1.04e-05	0.0	120.0	-9.94	9.27e-04	0.01	2.73e-05	7.88e-03	0.01
208	16	9.56e-03	0.03	0.0	0.0	0.0	-10.82	-2.75e-03	0.07	-7.96e-06	-0.06	9.56e-03
		6.26e-03	-0.06	1.15e-05	0.0	120.0	-10.09	-2.75e-03	0.07	-7.96e-06	0.03	6.26e-03
208	17	7.68e-03	5.44e-03	0.0	0.0	0.0	-11.31	-9.72e-03	5.31e-03	-4.03e-06	-9.31e-04	7.68e-03
		-3.98e-03	-9.31e-04	4.60e-06	0.0	120.0	-10.58	-9.72e-03	5.31e-03	-4.03e-06	5.44e-03	-3.98e-03
208	18	0.01	6.91e-03	1.03e-06	0.0	0.0	-10.93	-3.33e-03	9.72e-03	1.48e-05	-4.76e-03	0.01
		6.10e-03	-4.76e-03	8.07e-06	0.0	120.0	-10.20	-3.33e-03	9.72e-03	1.48e-05	6.91e-03	6.10e-03
208	24	11.28	0.06	-2.64e-04	0.0	0.0	8.31	-4.19	0.03	2.87e-03	0.01	11.28
		6.29	0.01	2.13e-04	0.0	120.0	9.04	-4.19	0.03	2.87e-03	0.06	6.29
208	25	-6.27	-0.02	2.65e-04	0.0	0.0	-30.16	4.19	-0.01	-2.84e-03	-0.02	-11.26
		-11.26	-0.04	-1.97e-04	0.0	120.0	-29.43	4.19	-0.01	-2.84e-03	-0.04	-6.27
208	28	7.96	0.06	-8.88e-04	0.0	0.0	14.62	-2.22	0.04	2.39e-03	1.85e-03	7.96
		5.42	1.85e-03	2.05e-04	0.0	120.0	15.35	-2.22	0.04	2.39e-03	0.06	5.42
208	29	-5.40	-0.01	8.90e-04	0.0	0.0	-36.47	2.21	-0.02	-2.36e-03	-0.01	-7.94
		-7.94	-0.04	-1.89e-04	0.0	120.0	-35.74	2.21	-0.02	-2.36e-03	-0.04	-5.40
208	39	2.49	0.36	-3.02e-04	0.0	0.0	-6.69	-0.54	-0.38	1.25e-03	0.36	2.49
		1.80	-0.10	-1.62e-05	0.0	120.0	-5.96	-0.54	-0.38	1.25e-03	-0.10	1.80
208	42	-1.79	0.11	3.04e-04	0.0	0.0	-15.16	0.53	0.40	-1.22e-03	-0.37	-2.47
		-2.47	-0.37	3.23e-05	0.0	120.0	-14.43	0.53	0.40	-1.22e-03	0.11	-1.79
208	56	8.20	0.04	-1.94e-04	0.0	0.0	3.11	-3.05	0.03	2.07e-03	5.50e-04	8.20
		4.58	5.50e-04	1.61e-04	0.0	120.0	3.84	-3.05	0.03	2.07e-03	0.04	4.58
208	57	-4.57	-0.01	1.95e-04	0.0	0.0	-24.96	3.04	-0.01	-2.04e-03	-0.01	-8.18
		-8.18	-0.03	-1.45e-04	0.0	120.0	-24.23	3.04	-0.01	-2.04e-03	-0.03	-4.57
208	60	5.79	0.04	-6.44e-04	0.0	0.0	7.73	-1.63	0.04	1.72e-03	-7.09e-03	5.79
		3.94	-7.09e-03	1.55e-04	0.0	120.0	8.46	-1.63	0.04	1.72e-03	0.04	3.94
208	61	-3.92	-2.43e-03	6.46e-04	0.0	0.0	-29.58	1.62	-0.02	-1.69e-03	-2.43e-03	-5.77
		-5.77	-0.03	-1.39e-04	0.0	120.0	-28.85	1.62	-0.02	-1.69e-03	-0.03	-3.92
208	71	1.83	0.28	-2.26e-04	0.0	0.0	-8.02	-0.38	-0.30	9.90e-04	0.28	1.83
		1.34	-0.08	-2.45e-05	0.0	120.0	-7.28	-0.38	-0.30	9.90e-04	-0.08	1.34
208	74	-1.33	0.09	2.28e-04	0.0	0.0	-13.84	0.37	0.32	-9.61e-04	-0.29	-1.81
		-1.81	-0.29	4.06e-05	0.0	120.0	-13.11	0.37	0.32	-9.61e-04	0.09	-1.33
208	83	0.13	0.23	-2.65e-05	0.0	0.0	-13.12	0.09	-0.25	3.97e-04	0.23	0.13
		0.08	-0.07	-5.54e-05	0.0	120.0	-12.39	0.09	-0.25	3.97e-04	-0.07	0.08
208	84	-0.06	0.08	2.85e-05	0.0	0.0	-8.73	-0.09	0.27	-3.67e-04	-0.24	-0.06
		-0.12	-0.24	7.15e-05	0.0	120.0	-8.00	-0.09	0.27	-3.67e-04	0.08	-0.12
208	85	-0.17	0.20	4.50e-05	0.0	0.0	-12.76	-0.19	-0.21	2.86e-04	0.20	-0.17
		-0.29	-0.05	-5.56e-05	0.0	120.0	-12.03	-0.19	-0.21	2.86e-04	-0.05	-0.29
208	86	0.31	0.07	-4.29e-05	0.0	0.0	-9.10	0.19	0.23	-2.56e-04	-0.21	0.31
		0.19	-0.21	7.17e-05	0.0	120.0	-8.37	0.19	0.23	-2.56e-04	0.07	0.19
208	92	13.50	0.07	-3.15e-04	0.0	0.0	12.08	-5.02	0.03	3.44e-03	0.02	13.50
		7.52	0.02	2.53e-04	0.0	120.0	12.81	-5.02	0.03	3.44e-03	0.07	7.52
208	93	-7.51	-0.03	3.16e-04	0.0	0.0	-33.94	5.01	-0.01	-3.41e-03	-0.03	-13.48
		-13.48	-0.05	-2.37e-04	0.0	120.0	-33.20	5.01	-0.01	-3.41e-03	-0.05	-7.51
208	96	9.50	0.06	-1.06e-03	0.0	0.0	19.54	-2.64	0.04	2.86e-03	6.73e-03	9.50
		6.47	6.73e-03	2.42e-04	0.0	120.0	20.28	-2.64	0.04	2.86e-03	0.06	6.47
208	97	-6.46	-0.02	1.06e-03	0.0	0.0	-41.40	2.64	-0.02	-2.84e-03	-0.02	-9.48
		-9.48	-0.05	-2.26e-04	0.0	120.0	-40.67	2.64	-0.02	-2.84e-03	-0.05	-6.46
208	107	2.97	0.41	-3.58e-04	0.0	0.0	-5.79	-0.65	-0.44	1.47e-03	0.41	2.97
		2.14	-0.12	-1.52e-05	0.0	120.0	-5.06	-0.65	-0.44	1.47e-03	-0.12	2.14
208	110	-2.13	0.13	3.61e-04	0.0	0.0	-16.07	0.64	0.46	-1.44e-03	-0.42	-2.95
		-2.95	-0.42	3.13e-05	0.0	120.0	-15.34	0.64	0.46	-1.44e-03	0.13	-2.13
209	2	-4.14e-03	11.83	3.70e-05	0.0	0.0	-12.82	1.12e-03	-7.33	0.0	11.83	-6.71e-03
		-6.71e-03	-3.42	2.11e-03	1.34	229.0	-11.00	1.12e-03	-5.99	0.0	-3.42	-4.14e-03
209	4	-4.32e-03	11.27	3.47e-05	0.0	0.0	-10.38	1.18e-03	-7.00	0.0	11.27	-7.01e-03

209	5	-7.01e-03	-3.23	2.01e-03	1.34	229.0	-8.99	1.18e-03	-5.66	0.0	-3.23	-4.32e-03
		0.02	2.51	4.78e-06	0.0	0.0	-1.40	-3.41e-03	-2.07	0.0	2.51	0.02
		0.01	0.32	5.32e-04	2.23	229.0	0.41	-3.41e-03	0.17	0.0	0.33	0.01
209	7	0.02	1.95	2.41e-06	0.0	0.0	1.04	-3.36e-03	-1.74	0.0	1.95	0.02
		0.01	0.40	4.33e-04	2.23	229.0	2.43	-3.36e-03	0.50	0.0	0.53	0.01
209	10	-2.68e-03	8.13	2.57e-05	0.0	0.0	-9.63	7.25e-04	-5.03	0.0	8.13	-4.34e-03
		-4.34e-03	-2.37	1.45e-03	0.89	229.0	-8.23	7.25e-04	-4.14	0.0	-2.37	-2.68e-03
209	11	0.01	1.92	4.24e-06	0.0	0.0	-2.02	-2.30e-03	-1.52	0.0	1.92	0.01
		8.20e-03	0.13	3.98e-04	1.49	229.0	-0.62	-2.30e-03	-0.03	0.0	0.13	8.20e-03
209	14	-3.31e-03	4.98	1.79e-05	0.0	0.0	-10.70	9.11e-04	-2.94	0.0	4.98	-5.39e-03
		-5.39e-03	-1.74	8.69e-04	0.0	229.0	-9.31	9.11e-04	-2.94	0.0	-1.74	-3.31e-03
209	15	3.51e-03	1.87	7.15e-06	0.0	0.0	-6.90	-6.01e-04	-1.18	0.0	1.87	3.51e-03
		2.13e-03	-0.49	3.43e-04	0.30	229.0	-5.50	-6.01e-04	-0.88	0.0	-0.49	2.13e-03
209	17	1.02e-03	1.86	7.88e-06	0.0	0.0	-8.12	-1.76e-04	-1.10	0.0	1.86	1.02e-03
		6.17e-04	-0.65	3.29e-04	0.0	229.0	-6.72	-1.76e-04	-1.10	0.0	-0.65	6.17e-04
209	18	-1.74e-03	3.73	1.39e-05	0.0	0.0	-9.67	4.76e-04	-2.20	0.0	3.73	-2.83e-03
		-2.83e-03	-1.30	6.53e-04	0.0	229.0	-8.27	4.76e-04	-2.20	0.0	-1.30	-1.74e-03
209	19	5.45	4.26	-2.99e-03	0.0	0.0	-38.75	-0.36	-2.74	0.0	4.26	5.45
		4.89	-1.67	5.58e-04	0.0	229.0	-37.35	-0.36	-2.74	0.0	-1.67	4.89
209	22	-4.89	3.21	3.02e-03	0.0	0.0	19.41	0.36	-1.67	0.0	3.21	-4.89
		-5.46	-0.94	7.48e-04	0.0	229.0	20.81	0.36	-1.67	0.0	-0.94	-5.46
209	32	8.41	3.14	-3.22e-03	0.0	0.0	-20.70	-0.64	-1.84	0.0	3.14	8.06
		8.06	-1.19	5.05e-04	0.0	229.0	-19.30	-0.64	-1.84	0.0	-1.19	8.41
209	33	-8.07	4.33	3.25e-03	0.0	0.0	1.36	0.64	-2.56	0.0	4.33	-8.07
		-8.41	-1.42	8.01e-04	0.0	229.0	2.75	0.64	-2.56	0.0	-1.42	-8.41
209	35	1.53	6.01	-8.82e-04	0.0	0.0	-31.38	-0.07	-3.63	0.0	6.01	1.53
		1.42	-2.21	8.52e-04	0.0	229.0	-29.98	-0.07	-3.63	0.0	-2.21	1.42
209	37	-1.52	6.12	9.19e-04	0.0	0.0	-16.50	0.16	-3.57	0.0	6.12	-1.76
		-1.76	-2.15	9.55e-04	0.0	229.0	-15.11	0.16	-3.57	0.0	-2.15	-1.76
209	51	3.97	4.19	-2.16e-03	0.0	0.0	-31.47	-0.27	-2.66	0.0	4.19	3.97
		3.58	-1.61	5.92e-04	0.0	229.0	-30.08	-0.27	-2.66	0.0	-1.61	3.58
209	54	-3.58	3.28	2.19e-03	0.0	0.0	12.13	0.28	-1.74	0.0	3.28	-3.98
		-3.98	-1.00	7.13e-04	0.0	229.0	13.53	0.28	-1.74	0.0	-1.00	-3.98
209	64	6.15	3.21	-2.34e-03	0.0	0.0	-17.10	-0.54	-1.88	0.0	3.21	5.88
		5.88	-1.20	5.38e-04	0.0	229.0	-15.71	-0.54	-1.88	0.0	-1.20	5.88
209	65	-5.89	4.26	2.36e-03	0.0	0.0	-2.23	0.54	-2.52	0.0	4.26	-5.89
		-6.15	-1.41	7.68e-04	0.0	229.0	-0.84	0.54	-2.52	0.0	-1.41	-6.15
209	67	1.10	5.71	-6.33e-04	0.0	0.0	-27.68	-0.05	-3.45	0.0	5.71	1.10
		1.04	-2.09	8.26e-04	0.0	229.0	-26.28	-0.05	-3.45	0.0	-2.09	1.04
209	69	-1.12	5.81	6.73e-04	0.0	0.0	-16.86	0.12	-3.39	0.0	5.81	-1.30
		-1.30	-2.04	9.00e-04	0.0	229.0	-15.47	0.12	-3.39	0.0	-2.04	-1.30
209	83	-0.04	5.56	1.91e-05	0.0	0.0	-21.01	0.03	-3.30	0.0	5.56	-0.09
		-0.09	-1.99	8.42e-04	0.0	229.0	-19.61	0.03	-3.30	0.0	-1.99	-0.09
209	84	0.08	1.91	8.64e-06	0.0	0.0	1.67	-0.03	-1.11	0.0	1.91	0.08
		0.03	-0.62	4.64e-04	0.0	229.0	3.07	-0.03	-1.11	0.0	-0.62	0.03
209	85	-0.10	5.00	6.93e-06	0.0	0.0	-19.12	0.07	-2.96	0.0	5.00	-0.20
		-0.20	-1.78	7.79e-04	0.0	229.0	-17.72	0.07	-2.96	0.0	-1.78	-0.20
209	86	0.19	2.47	3.05e-05	0.0	0.0	-0.22	-0.07	-1.44	0.0	2.47	0.19
		0.10	-0.83	5.27e-04	0.0	229.0	1.17	-0.07	-1.44	0.0	-0.83	0.10
209	87	6.53	4.33	-3.58e-03	0.0	0.0	-44.23	-0.43	-2.81	0.0	4.33	6.53
		5.84	-1.72	5.36e-04	0.0	229.0	-42.84	-0.43	-2.81	0.0	-1.72	5.84
209	90	-5.85	3.13	3.61e-03	0.0	0.0	24.90	0.44	-1.59	0.0	3.13	-6.53
		-6.53	-0.89	7.70e-04	0.0	229.0	26.29	0.44	-1.59	0.0	-0.89	-6.53
209	100	10.03	3.06	-3.84e-03	0.0	0.0	-23.07	-0.75	-1.79	0.0	3.06	9.62
		9.62	-1.18	4.78e-04	0.0	229.0	-21.68	-0.75	-1.79	0.0	-1.18	10.03
209	101	-9.63	4.40	3.87e-03	0.0	0.0	3.73	0.75	-2.61	0.0	4.40	-9.63
		-10.04	-1.43	8.27e-04	0.0	229.0	5.13	0.75	-2.61	0.0	-1.43	-10.04
209	103	1.84	6.34	-1.06e-03	0.0	0.0	-34.78	-0.09	-3.84	0.0	6.34	1.84
		1.70	-2.34	8.83e-04	0.0	229.0	-33.39	-0.09	-3.84	0.0	-2.34	1.70
209	105	-1.81	6.46	1.10e-03	0.0	0.0	-16.96	0.18	-3.76	0.0	6.46	-2.10
		-2.10	-2.27	1.01e-03	0.0	229.0	-15.57	0.18	-3.76	0.0	-2.27	-2.10
210	1	0.06	2.99	3.31e-05	0.0	0.0	-12.41	-0.03	-3.42	-2.14e-04	2.99	0.06
		-0.14	-2.90	2.64e-03	5.83	589.0	-7.74	-0.03	2.41	-2.14e-04	5.44e-03	-0.14
210	2	0.03	4.82	9.12e-05	0.0	0.0	-13.03	-0.03	-3.76	1.11e-04	4.82	0.03
		-0.13	-2.31	8.98e-03	5.83	589.0	-8.36	-0.03	2.07	1.11e-04	-0.15	-0.13
210	3	0.04	2.88	2.21e-05	0.0	0.0	-9.57	-0.02	-3.40	-2.40e-04	2.88	0.04
		-0.09	-2.93	2.38e-03	5.83	589.0	-5.98	-0.02	2.43	-2.40e-04	0.02	-0.09
210	6	0.03	5.94	6.82e-05	0.0	0.0	-12.90	-0.02	-5.88	-2.03e-04	5.94	0.03
		-0.07	-4.52	6.77e-03	9.72	589.0	-8.24	-0.02	3.84	-2.03e-04	-0.07	-0.07
210	7	0.03	4.55	1.45e-05	0.0	0.0	-9.63	-0.01	-5.62	-4.55e-04	4.55	0.03
		-0.03	-4.97	3.52e-03	9.72	589.0	-6.04	-0.01	4.09	-4.55e-04	0.05	-0.03
210	9	0.05	2.05	2.69e-05	0.0	0.0	-9.54	-0.03	-2.29	-1.32e-04	2.05	0.05
		-0.12	-1.92	1.88e-03	3.89	589.0	-5.95	-0.03	1.60	-1.32e-04	-6.35e-04	-0.12
210	10	0.03	3.26	6.44e-05	0.0	0.0	-9.95	-0.02	-2.52	8.49e-05	3.26	0.03
		-0.11	-1.53	6.21e-03	3.89	589.0	-6.36	-0.02	1.37	8.49e-05	-0.10	-0.11

210	11	0.04	3.16	2.05e-05	0.0	0.0	-9.58	-0.02	-3.77	-2.76e-04	3.16	0.04
		-0.08	-3.27	2.56e-03	6.48	589.0	-5.99	-0.02	2.71	-2.76e-04	0.02	-0.08
210	12	0.03	4.01	4.83e-05	0.0	0.0	-9.86	-0.02	-3.93	-1.24e-04	4.01	0.03
		-0.07	-3.00	4.67e-03	6.48	589.0	-6.28	-0.02	2.55	-1.24e-04	-0.05	-0.07
210	13	0.06	0.37	3.66e-05	0.0	0.0	-9.47	-0.04	-0.07	8.38e-05	0.37	0.06
		-0.18	-0.03	1.66e-03	0.0	589.0	-5.89	-0.04	-0.07	8.38e-05	-0.03	-0.18
210	14	0.05	0.98	5.38e-05	0.0	0.0	-9.68	-0.04	-0.18	1.92e-04	0.98	0.05
		-0.17	-0.08	4.31e-03	0.0	589.0	-6.09	-0.04	-0.18	1.92e-04	-0.08	-0.17
210	15	0.06	0.93	3.34e-05	0.0	0.0	-9.50	-0.04	-0.81	1.20e-05	0.93	0.06
		-0.16	-0.56	1.40e-03	1.30	589.0	-5.91	-0.04	0.49	1.20e-05	-0.02	-0.16
210	16	0.05	1.30	4.37e-05	0.0	0.0	-9.62	-0.03	-0.88	7.70e-05	1.30	0.05
		-0.15	-0.44	3.00e-03	1.30	589.0	-6.03	-0.03	0.42	7.70e-05	-0.05	-0.15
210	17	0.06	0.37	3.66e-05	0.0	0.0	-9.47	-0.04	-0.07	8.38e-05	0.37	0.06
		-0.18	-0.03	1.66e-03	0.0	589.0	-5.89	-0.04	-0.07	8.38e-05	-0.03	-0.18
210	18	0.05	0.74	4.69e-05	0.0	0.0	-9.60	-0.04	-0.14	1.49e-04	0.74	0.05
		-0.17	-0.06	3.25e-03	0.0	589.0	-6.01	-0.04	-0.14	1.49e-04	-0.06	-0.17
210	24	6.09	0.04	-4.22e-03	0.0	0.0	-5.36	-1.03	-0.01	3.33e-03	0.04	6.09
		-2.41	-0.05	1.89e-03	0.0	589.0	-1.77	-1.03	-0.01	3.33e-03	-0.05	-2.41
210	25	2.07	1.44	4.29e-03	0.0	0.0	-13.84	0.95	-0.26	-3.03e-03	1.44	-5.98
		-5.98	-0.08	4.61e-03	0.0	589.0	-10.25	0.95	-0.26	-3.03e-03	-0.08	-2.07
210	31	11.10	0.76	-2.73e-03	0.0	0.0	-8.74	-2.42	-0.14	2.37e-03	0.76	11.10
		-3.26	-0.06	2.70e-03	0.0	589.0	-5.15	-2.42	-0.14	2.37e-03	-0.06	-3.26
210	34	2.91	0.72	2.82e-03	0.0	0.0	-10.46	2.34	-0.13	-2.07e-03	0.72	-11.00
		-11.00	-0.07	3.80e-03	0.0	589.0	-6.87	2.34	-0.13	-2.07e-03	-0.07	2.91
210	48	2.95	-0.04	-7.11e-04	0.0	0.0	-8.69	-0.58	0.09	1.71e-03	-0.59	2.95
		-0.52	-0.59	1.65e-03	0.0	589.0	-5.10	-0.58	0.09	1.71e-03	-0.52	-0.52
210	49	0.18	2.07	7.92e-04	0.0	0.0	-10.51	0.51	-0.37	-1.41e-03	2.07	-2.84
		-2.84	-0.08	4.85e-03	0.0	589.0	-6.92	0.51	-0.37	-1.41e-03	-0.08	0.18
210	56	4.48	0.21	-3.03e-03	0.0	0.0	-6.46	-0.78	-0.04	2.49e-03	0.21	4.48
		-1.87	-0.05	2.28e-03	0.0	589.0	-2.87	-0.78	-0.04	2.49e-03	-0.05	-1.87
210	57	1.53	1.26	3.10e-03	0.0	0.0	-12.74	0.71	-0.23	-2.19e-03	1.26	-4.37
		-4.37	-0.08	4.22e-03	0.0	589.0	-9.15	0.71	-0.23	-2.19e-03	-0.08	1.53
210	63	8.12	0.77	-1.97e-03	0.0	0.0	-8.95	-1.78	-0.14	1.73e-03	0.77	8.12
		-2.47	-0.06	2.83e-03	0.0	589.0	-5.36	-1.78	-0.14	1.73e-03	-0.06	-2.47
210	66	2.12	0.71	2.06e-03	0.0	0.0	-10.25	1.70	-0.13	-1.43e-03	0.71	-8.01
		-8.01	-0.07	3.67e-03	0.0	589.0	-6.66	1.70	-0.13	-1.43e-03	-0.07	2.12
210	80	2.11	-0.05	-4.94e-04	0.0	0.0	-8.85	-0.41	0.04	1.40e-03	-0.28	2.11
		-0.36	-0.28	2.15e-03	0.0	589.0	-5.27	-0.41	0.04	1.40e-03	-0.36	-0.36
210	81	0.01	1.76	5.73e-04	0.0	0.0	-10.34	0.34	-0.31	-1.10e-03	1.76	-2.00
		-2.00	-0.08	4.35e-03	0.0	589.0	-6.75	0.34	-0.31	-1.10e-03	-0.08	0.01
210	85	0.36	1.58	-1.15e-04	0.0	0.0	-10.05	-0.16	-0.28	-4.90e-04	1.58	0.36
		-0.59	-0.07	4.03e-03	0.0	589.0	-6.46	-0.16	-0.28	-4.90e-04	-0.59	-0.59
210	86	0.25	-0.05	1.83e-04	0.0	0.0	-9.15	0.08	8.50e-03	7.88e-04	-0.10	-0.25
		-0.25	-0.10	2.46e-03	0.0	589.0	-5.56	0.08	8.50e-03	7.88e-04	-0.10	-0.25
210	92	7.27	-0.04	-5.07e-03	0.0	0.0	-4.55	-1.21	7.73e-03	3.94e-03	-0.09	7.27
		-2.82	-0.09	1.62e-03	0.0	589.0	-0.96	-1.21	7.73e-03	3.94e-03	-0.09	-2.82
210	93	2.48	1.57	5.14e-03	0.0	0.0	-14.65	1.14	-0.28	-3.65e-03	1.57	-7.16
		-7.16	-0.08	4.88e-03	0.0	589.0	-11.06	1.14	-0.28	-3.65e-03	-0.08	2.48
210	99	13.24	0.75	-3.26e-03	0.0	0.0	-8.58	-2.87	-0.14	2.82e-03	0.75	13.24
		-3.84	-0.05	2.59e-03	0.0	589.0	-4.99	-2.87	-0.14	2.82e-03	-0.05	-3.84
210	102	3.49	0.73	3.35e-03	0.0	0.0	-10.62	2.80	-0.14	-2.52e-03	0.73	-13.13
		-13.13	-0.07	3.91e-03	0.0	589.0	-7.03	2.80	-0.14	-2.52e-03	-0.07	3.49
210	116	3.53	-0.04	-8.60e-04	0.0	0.0	-8.54	-0.70	0.13	1.97e-03	-0.82	3.53
		-0.62	-0.82	1.34e-03	0.0	589.0	-4.95	-0.70	0.13	1.97e-03	-0.62	-0.62
210	117	0.28	2.30	9.42e-04	0.0	0.0	-10.65	0.62	-0.40	-1.67e-03	2.30	-3.42
		-3.42	-0.09	5.16e-03	0.0	589.0	-7.07	0.62	-0.40	-1.67e-03	-0.09	0.28
211	1	0.20	1.15	-1.74e-05	0.0	0.0	-10.61	0.05	-2.66	1.50e-04	1.15	-0.05
		-0.05	-2.38	-3.17e-03	4.86	491.0	-6.72	0.05	2.21	1.50e-04	0.05	0.20
211	4	0.01	0.20	5.56e-05	0.0	0.0	-7.10	-0.01	-2.24	-8.74e-04	-0.72	0.01
		-0.05	-3.24	-0.01	4.86	491.0	-4.11	-0.01	2.62	-8.74e-04	0.20	-0.05
211	6	0.05	0.88	3.48e-05	0.0	0.0	-9.69	0.01	-4.20	-2.99e-04	0.88	-0.01
		-0.01	-4.45	-9.37e-03	8.10	491.0	-5.80	0.01	3.90	-2.99e-04	0.16	0.05
211	7	0.13	2.40	-1.84e-05	0.0	0.0	-7.84	0.03	-4.53	5.48e-04	2.40	-0.03
		-0.03	-3.75	-3.40e-03	8.10	491.0	-4.85	0.03	3.57	5.48e-04	0.04	0.13
211	9	0.16	0.71	-1.28e-05	0.0	0.0	-8.19	0.04	-1.76	6.58e-05	0.71	-0.04
		-0.04	-1.61	-2.33e-03	3.24	491.0	-5.20	0.04	1.48	6.58e-05	0.04	0.16
211	10	0.03	0.14	4.12e-05	0.0	0.0	-7.54	6.93e-03	-1.47	-6.68e-04	-0.62	-8.31e-03
		-8.31e-03	-2.22	-7.55e-03	3.24	491.0	-4.55	6.93e-03	1.78	-6.68e-04	0.14	0.03
211	11	0.15	1.46	-1.53e-05	0.0	0.0	-8.04	0.04	-2.99	2.80e-04	1.46	-0.04
		-0.04	-2.56	-2.80e-03	5.40	491.0	-5.05	0.04	2.41	2.80e-04	0.04	0.15
211	12	0.06	0.53	2.48e-05	0.0	0.0	-7.58	0.01	-2.79	-2.34e-04	0.53	-0.01
		-0.01	-2.99	-6.46e-03	5.40	491.0	-4.59	0.01	2.62	-2.34e-04	0.11	0.06
211	13	0.17	0.03	1.25e-05	0.0	0.0	-8.43	0.04	0.09	-2.55e-04	-0.41	-0.05
		-0.05	-0.41	-1.61e-03	0.0	491.0	-5.44	0.04	0.09	-2.55e-04	0.03	0.17
211	14	0.11	0.09	3.09e-05	0.0	0.0	-8.11	0.03	0.24	-6.22e-04	-1.07	-0.03

		-0.03	-1.07	-4.22e-03	0.0	491.0	-5.12	0.03	0.24	-6.22e-04	0.09	0.11
211	17	0.17	0.03	1.25e-05	0.0	0.0	-8.43	0.04	0.09	-2.55e-04	-0.41	-0.05
		-0.05	-0.41	-1.61e-03	0.0	491.0	-5.44	0.04	0.09	-2.55e-04	0.03	0.17
211	18	0.13	0.07	2.35e-05	0.0	0.0	-8.24	0.03	0.18	-4.76e-04	-0.81	-0.04
		-0.04	-0.81	-3.18e-03	0.0	491.0	-5.25	0.03	0.18	-4.76e-04	0.07	0.13
211	23	6.52	0.05	-4.32e-03	0.0	0.0	-12.13	-1.18	0.11	2.40e-03	-0.50	6.52
		-3.37	-0.50	-2.30e-03	0.0	491.0	-9.14	-1.18	0.11	2.40e-03	0.05	-3.37
211	26	3.63	0.08	4.37e-03	0.0	0.0	-4.35	1.25	0.24	-3.36e-03	-1.12	-6.59
		-6.59	-1.12	-4.06e-03	0.0	491.0	-1.35	1.25	0.24	-3.36e-03	0.08	3.63
211	32	12.74	0.06	-2.54e-03	0.0	0.0	-9.02	-3.14	0.27	1.65e-03	-1.24	12.74
		-2.98	-1.24	-3.18e-03	0.0	491.0	-6.02	-3.14	0.27	1.65e-03	0.06	-2.98
211	33	3.24	0.07	2.54e-03	0.0	0.0	-7.46	3.21	0.09	-2.60e-03	-0.38	-12.81
		-12.81	-0.38	-3.18e-03	0.0	491.0	-4.47	3.21	0.09	-2.60e-03	0.07	3.24
211	40	3.98	0.09	-8.49e-04	0.0	0.0	-8.03	-1.01	0.48	-5.48e-04	-2.25	3.98
		-1.08	-2.25	-4.82e-03	0.0	491.0	-5.04	-1.01	0.48	-5.48e-04	0.09	-1.08
211	41	1.34	0.63	8.96e-04	0.0	0.0	-8.44	1.08	-0.12	-4.03e-04	0.63	-4.05
		-4.05	0.63	-1.54e-03	0.0	491.0	-5.45	1.08	-0.12	-4.03e-04	0.04	1.34
211	55	4.78	0.06	-3.13e-03	0.0	0.0	-11.12	-0.90	0.13	1.64e-03	-0.57	4.78
		-2.48	-0.57	-2.56e-03	0.0	491.0	-8.12	-0.90	0.13	1.64e-03	0.06	-2.48
211	58	2.74	0.08	3.17e-03	0.0	0.0	-5.36	0.97	0.23	-2.59e-03	-1.05	-4.86
		-4.86	-1.05	-3.80e-03	0.0	491.0	-2.37	0.97	0.23	-2.59e-03	0.08	2.74
211	64	9.30	0.06	-1.83e-03	0.0	0.0	-8.83	-2.30	0.24	1.05e-03	-1.14	9.30
		-2.21	-1.14	-3.16e-03	0.0	491.0	-5.84	-2.30	0.24	1.05e-03	0.06	-2.21
211	65	2.48	0.07	1.84e-03	0.0	0.0	-7.64	2.37	0.11	-2.00e-03	-0.48	-9.37
		-9.37	-0.48	-3.20e-03	0.0	491.0	-4.65	2.37	0.11	-2.00e-03	0.07	2.48
211	72	2.92	0.09	-6.29e-04	0.0	0.0	-8.06	-0.75	0.41	-6.22e-04	-1.92	2.92
		-0.82	-1.92	-4.33e-03	0.0	491.0	-5.07	-0.75	0.41	-6.22e-04	0.09	-0.82
211	73	1.08	0.31	6.76e-04	0.0	0.0	-8.41	0.82	-0.05	-3.30e-04	0.31	-3.00
		-3.00	0.31	-2.03e-03	0.0	491.0	-5.42	0.82	-0.05	-3.30e-04	0.04	1.08
211	83	0.41	0.17	1.13e-04	0.0	0.0	-8.59	0.13	-0.03	1.06e-04	0.17	-0.22
		-0.22	0.17	-2.08e-03	0.0	491.0	-5.60	0.13	-0.03	1.06e-04	0.05	0.41
211	84	0.15	0.09	-6.60e-05	0.0	0.0	-7.89	-0.06	0.38	-1.06e-03	-1.79	0.15
		-0.15	-1.79	-4.28e-03	0.0	491.0	-4.89	-0.06	0.38	-1.06e-03	0.09	-0.15
211	85	0.77	0.05	-1.42e-04	0.0	0.0	-8.65	0.25	4.36e-03	-3.14e-05	0.03	-0.48
		-0.48	0.03	-2.34e-03	0.0	491.0	-5.66	0.25	4.36e-03	-3.14e-05	0.05	0.77
211	86	0.41	0.08	1.72e-04	0.0	0.0	-7.82	-0.18	0.35	-9.20e-04	-1.65	0.41
		-0.50	-1.65	-4.02e-03	0.0	491.0	-4.83	-0.18	0.35	-9.20e-04	0.08	-0.50
211	91	7.80	0.05	-5.18e-03	0.0	0.0	-12.87	-1.40	0.10	2.97e-03	-0.45	7.80
		-4.03	-0.45	-2.13e-03	0.0	491.0	-9.88	-1.40	0.10	2.97e-03	0.05	-4.03
211	94	4.30	0.08	5.23e-03	0.0	0.0	-3.60	1.47	0.26	-3.92e-03	-1.17	-7.87
		-7.87	-1.17	-4.23e-03	0.0	491.0	-0.61	1.47	0.26	-3.92e-03	0.08	4.30
211	100	15.21	0.06	-3.03e-03	0.0	0.0	-9.16	-3.75	0.28	2.07e-03	-1.31	15.21
		-3.56	-1.31	-3.17e-03	0.0	491.0	-6.17	-3.75	0.28	2.07e-03	0.06	-3.56
211	101	3.82	0.07	3.04e-03	0.0	0.0	-7.31	3.82	0.08	-3.02e-03	-0.30	-15.28
		-15.28	-0.30	-3.19e-03	0.0	491.0	-4.32	3.82	0.08	-3.02e-03	0.07	3.82
211	108	4.74	0.10	-1.01e-03	0.0	0.0	-8.00	-1.21	0.53	-5.27e-04	-2.49	4.74
		-1.28	-2.49	-5.13e-03	0.0	491.0	-5.01	-1.21	0.53	-5.27e-04	0.10	-1.28
211	109	1.55	0.87	1.06e-03	0.0	0.0	-8.47	1.27	-0.17	-4.24e-04	0.87	-4.82
		-4.82	0.03	-1.23e-03	0.0	491.0	-5.48	1.27	-0.17	-4.24e-04	0.03	1.55
212	1	9.06e-03	1.95	0.0	0.0	0.0	1.59	-1.85e-03	3.35	0.0	-2.95	9.06e-03
		6.63e-03	-2.95	-4.04e-04	0.77	131.0	2.63	-1.85e-03	4.12	0.0	1.95	6.63e-03
212	2	-2.25e-03	6.37	1.59e-05	0.0	0.0	13.02	6.12e-04	14.89	0.0	-13.65	-3.05e-03
		-3.05e-03	-13.65	-2.00e-03	0.77	131.0	14.06	6.12e-04	15.66	0.0	6.37	-2.25e-03
212	4	-3.71e-03	6.08	1.51e-05	0.0	0.0	14.04	1.02e-03	14.14	0.0	-12.95	-5.05e-03
		-5.05e-03	-12.95	-1.89e-03	0.77	131.0	14.83	1.02e-03	14.90	0.0	6.08	-3.71e-03
212	5	9.32e-03	2.41	-2.43e-06	0.0	0.0	5.58	-1.90e-03	3.41	0.0	-2.89	9.32e-03
		6.83e-03	-2.89	-3.76e-04	1.28	131.0	6.61	-1.90e-03	4.69	0.0	2.41	6.83e-03
212	8	-8.55e-04	5.21	8.04e-06	0.0	0.0	14.59	2.26e-04	10.73	0.0	-9.68	-1.15e-03
		-1.15e-03	-9.68	-1.39e-03	1.28	131.0	15.39	2.26e-04	12.01	0.0	5.21	-8.55e-04
212	9	6.93e-03	1.43	0.0	0.0	0.0	0.61	-1.41e-03	2.57	0.0	-2.28	6.93e-03
		5.07e-03	-2.28	-3.15e-04	0.51	131.0	1.41	-1.41e-03	3.08	0.0	1.43	5.07e-03
212	10	-8.47e-04	4.37	1.09e-05	0.0	0.0	8.23	2.27e-04	10.26	0.0	-9.41	-1.14e-03
		-1.14e-03	-9.41	-1.38e-03	0.51	131.0	9.03	2.27e-04	10.77	0.0	4.37	-8.47e-04
212	11	7.10e-03	1.73	-1.28e-06	0.0	0.0	3.27	-1.45e-03	2.61	0.0	-2.24	7.10e-03
		5.20e-03	-2.24	-2.97e-04	0.85	131.0	4.07	-1.45e-03	3.46	0.0	1.73	5.20e-03
212	12	1.45e-03	3.80	6.21e-06	0.0	0.0	8.60	-3.02e-04	7.99	0.0	-7.23	1.45e-03
		1.06e-03	-7.23	-1.04e-03	0.85	131.0	9.40	-3.02e-04	8.84	0.0	3.80	1.06e-03
212	13	6.66e-03	0.96	2.54e-06	0.0	0.0	-3.37	-1.36e-03	2.52	0.0	-2.33	6.66e-03
		4.88e-03	-2.33	-3.42e-04	0.0	131.0	-2.57	-1.36e-03	2.52	0.0	0.96	4.88e-03
212	14	2.63e-03	2.44	7.89e-06	0.0	0.0	0.44	-5.39e-04	6.36	0.0	-5.90	2.63e-03
		1.92e-03	-5.90	-8.73e-04	0.0	131.0	1.24	-5.39e-04	6.36	0.0	2.44	1.92e-03
212	15	6.75e-03	1.12	1.78e-06	0.0	0.0	-2.04	-1.38e-03	2.53	0.0	-2.31	6.75e-03
		4.95e-03	-2.31	-3.33e-04	0.17	131.0	-1.25	-1.38e-03	2.70	0.0	1.12	4.95e-03
212	17	6.66e-03	0.96	2.54e-06	0.0	0.0	-3.37	-1.36e-03	2.52	0.0	-2.33	6.66e-03
		4.88e-03	-2.33	-3.42e-04	0.0	131.0	-2.57	-1.36e-03	2.52	0.0	0.96	4.88e-03

212	18	4.24e-03	1.85	5.75e-06	0.0	0.0	-1.09	-8.67e-04	4.82	0.0	-4.47	4.24e-03
		3.11e-03	-4.47	-6.61e-04	0.0	131.0	-0.29	-8.67e-04	4.82	0.0	1.85	3.11e-03
212	24	6.61	2.31	-1.98e-03	0.0	0.0	29.02	-0.69	5.82	0.0	-5.31	6.61
		5.72	-5.31	-6.43e-04	0.0	131.0	29.82	-0.69	5.82	0.0	2.31	5.72
212	25	-5.72	1.38	2.00e-03	0.0	0.0	-31.19	0.69	3.83	0.0	-3.63	-6.60
		-6.60	-3.63	-6.78e-04	0.0	131.0	-30.39	0.69	3.83	0.0	1.38	-5.72
212	31	10.72	1.60	-2.13e-03	0.0	0.0	8.87	-0.72	4.22	0.0	-3.93	10.72
		9.84	-3.93	-5.36e-04	0.0	131.0	9.66	-0.72	4.22	0.0	1.60	9.84
212	34	-9.84	2.09	2.14e-03	0.0	0.0	-11.04	0.72	5.43	0.0	-5.01	-10.71
		-10.71	-5.01	-7.85e-04	0.0	131.0	-10.24	0.72	5.43	0.0	2.09	-9.84
212	44	1.70	2.99	-5.89e-04	0.0	0.0	22.50	-0.14	7.43	0.0	-6.74	1.70
		1.51	-6.74	-8.76e-04	0.0	131.0	23.30	-0.14	7.43	0.0	2.99	1.51
212	56	4.83	2.24	-1.44e-03	0.0	0.0	21.49	-0.50	5.66	0.0	-5.19	4.83
		4.18	-5.19	-6.55e-04	0.0	131.0	22.29	-0.50	5.66	0.0	2.24	4.18
212	57	-4.18	1.46	1.45e-03	0.0	0.0	-23.67	0.50	3.98	0.0	-3.75	-4.82
		-4.82	-3.75	-6.66e-04	0.0	131.0	-22.87	0.50	3.98	0.0	1.46	-4.82
212	63	7.82	1.63	-1.55e-03	0.0	0.0	5.47	-0.53	4.30	0.0	-4.00	7.82
		7.18	-4.00	-5.63e-04	0.0	131.0	6.26	-0.53	4.30	0.0	1.63	7.18
212	66	-7.18	2.06	1.56e-03	0.0	0.0	-7.64	0.53	5.35	0.0	-4.94	-7.81
		-7.81	-4.94	-7.58e-04	0.0	131.0	-6.84	0.53	5.35	0.0	2.06	-7.18
212	76	1.20	2.83	-4.28e-04	0.0	0.0	18.40	-0.09	7.05	0.0	-6.42	1.20
		1.07	-6.42	-8.41e-04	0.0	131.0	19.20	-0.09	7.05	0.0	2.83	1.07
212	85	0.25	1.00	6.34e-06	0.0	0.0	-13.66	-0.06	2.87	0.0	-2.76	0.25
		0.18	-2.76	-4.80e-04	0.0	131.0	-12.86	-0.06	2.87	0.0	1.00	0.18
212	86	-0.18	2.70	6.72e-06	0.0	0.0	11.49	0.06	6.78	0.0	-6.18	-0.24
		-0.24	-6.18	-8.41e-04	0.0	131.0	12.28	0.06	6.78	0.0	2.70	-0.18
212	92	7.91	2.39	-2.38e-03	0.0	0.0	34.70	-0.83	5.97	0.0	-5.44	7.91
		6.85	-5.44	-6.37e-04	0.0	131.0	35.49	-0.83	5.97	0.0	2.39	6.85
212	93	-6.84	1.31	2.39e-03	0.0	0.0	-36.87	0.83	3.68	0.0	-3.50	-7.91
		-7.91	-3.50	-6.84e-04	0.0	131.0	-36.07	0.83	3.68	0.0	1.31	-6.84
212	99	12.80	1.57	-2.55e-03	0.0	0.0	11.05	-0.86	4.13	0.0	-3.84	12.80
		11.75	-3.84	-5.13e-04	0.0	131.0	11.85	-0.86	4.13	0.0	1.57	11.75
212	102	-11.74	2.13	2.56e-03	0.0	0.0	-13.23	0.86	5.52	0.0	-5.10	-12.79
		-12.79	-5.10	-8.08e-04	0.0	131.0	-12.43	0.86	5.52	0.0	2.13	-11.74
212	112	2.05	3.17	-7.07e-04	0.0	0.0	26.25	-0.18	7.82	0.0	-7.09	2.05
		1.81	-7.09	-9.12e-04	0.0	131.0	27.05	-0.18	7.82	0.0	3.17	1.81
213	2	0.07	0.01	-3.59e-06	0.0	0.0	-16.71	0.05	-1.95e-03	4.33e-04	0.01	0.07
		0.01	8.30e-03	2.76e-05	0.0	120.0	-15.76	0.05	-1.95e-03	4.33e-04	8.30e-03	0.01
213	3	0.02	0.01	-4.15e-06	0.0	0.0	-12.78	0.02	-1.80e-03	2.42e-04	0.01	-3.49e-03
		-3.49e-03	8.69e-03	3.40e-05	0.0	120.0	-12.05	0.02	-1.80e-03	2.42e-04	8.69e-03	0.02
213	4	0.06	9.77e-03	-3.78e-06	0.0	0.0	-13.17	0.04	-2.16e-03	4.18e-04	9.77e-03	0.06
		0.01	7.19e-03	2.76e-05	0.0	120.0	-12.44	0.04	-2.16e-03	4.18e-04	7.19e-03	0.01
213	5	0.03	0.02	-7.15e-06	0.0	0.0	-16.97	0.03	-3.26e-03	3.85e-04	0.02	-5.06e-03
		-5.06e-03	0.01	5.66e-05	0.0	120.0	-16.02	0.03	-3.26e-03	3.85e-04	0.01	0.03
213	6	0.06	0.02	-6.89e-06	0.0	0.0	-17.24	0.04	-3.51e-03	5.08e-04	0.02	6.31e-03
		6.31e-03	0.01	5.22e-05	0.0	120.0	-16.29	0.04	-3.51e-03	5.08e-04	0.01	0.06
213	9	0.02	8.19e-03	-2.55e-06	0.0	0.0	-12.45	0.02	-9.72e-04	1.78e-04	8.19e-03	-3.02e-03
		-3.02e-03	7.03e-03	2.26e-05	0.0	120.0	-11.72	0.02	-9.72e-04	1.78e-04	7.03e-03	0.02
213	10	0.05	7.47e-03	-2.30e-06	0.0	0.0	-12.71	0.03	-1.21e-03	2.95e-04	7.47e-03	7.80e-03
		7.80e-03	6.02e-03	1.84e-05	0.0	120.0	-11.98	0.03	-1.21e-03	2.95e-04	6.02e-03	0.05
213	11	0.02	0.01	-4.68e-06	0.0	0.0	-12.88	0.02	-2.08e-03	2.63e-04	0.01	-3.65e-03
		-3.65e-03	9.24e-03	3.77e-05	0.0	120.0	-12.15	0.02	-2.08e-03	2.63e-04	9.24e-03	0.02
213	12	0.04	0.01	-4.51e-06	0.0	0.0	-13.07	0.03	-2.25e-03	3.45e-04	0.01	3.93e-03
		3.93e-03	8.54e-03	3.48e-05	0.0	120.0	-12.34	0.03	-2.25e-03	3.45e-04	8.54e-03	0.04
213	13	0.02	3.70e-03	0.0	0.0	0.0	-11.80	0.02	6.93e-04	4.98e-05	2.87e-03	-2.08e-03
		-2.08e-03	2.87e-03	0.0	0.0	120.0	-11.07	0.02	6.93e-04	4.98e-05	3.70e-03	0.02
213	14	0.03	3.20e-03	0.0	0.0	0.0	-11.93	0.03	5.76e-04	1.08e-04	2.51e-03	3.34e-03
		3.34e-03	2.51e-03	-2.13e-06	0.0	120.0	-11.20	0.03	5.76e-04	1.08e-04	3.20e-03	0.03
213	15	0.02	4.81e-03	0.0	0.0	0.0	-12.02	0.02	1.38e-04	9.25e-05	4.64e-03	-2.39e-03
		-2.39e-03	4.64e-03	7.53e-06	0.0	120.0	-11.29	0.02	1.38e-04	9.25e-05	4.81e-03	0.02
213	16	0.03	4.51e-03	0.0	0.0	0.0	-12.10	0.02	6.78e-05	1.28e-04	4.43e-03	8.56e-04
		8.56e-04	4.43e-03	6.26e-06	0.0	120.0	-11.37	0.02	6.78e-05	1.28e-04	4.51e-03	0.03
213	17	0.02	3.70e-03	0.0	0.0	0.0	-11.80	0.02	6.93e-04	4.98e-05	2.87e-03	-2.08e-03
		-2.08e-03	2.87e-03	0.0	0.0	120.0	-11.07	0.02	6.93e-04	4.98e-05	3.70e-03	0.02
213	18	0.03	3.40e-03	0.0	0.0	0.0	-11.88	0.02	6.23e-04	8.50e-05	2.65e-03	1.17e-03
		1.17e-03	2.65e-03	-1.29e-06	0.0	120.0	-11.15	0.02	6.23e-04	8.50e-05	3.40e-03	0.03
213	20	11.13	-0.03	-2.45e-04	0.0	0.0	-30.96	-4.25	0.07	3.18e-03	-0.12	11.13
		6.14	-0.12	-1.50e-04	0.0	120.0	-30.23	-4.25	0.07	3.18e-03	-0.03	6.14
213	21	-6.08	0.12	2.45e-04	0.0	0.0	7.20	4.30	-0.07	-3.01e-03	0.12	-11.13
		-11.13	0.04	1.48e-04	0.0	120.0	7.93	4.30	-0.07	-3.01e-03	0.04	-6.08
213	24	11.23	-0.03	-2.64e-04	0.0	0.0	-31.05	-4.14	0.07	3.24e-03	-0.12	11.23
		6.30	-0.12	-1.52e-04	0.0	120.0	-30.32	-4.14	0.07	3.24e-03	-0.03	6.30
213	25	-6.24	0.12	2.65e-04	0.0	0.0	7.29	4.19	-0.07	-3.07e-03	0.12	-11.23
		-11.23	0.03	1.50e-04	0.0	120.0	8.02	4.19	-0.07	-3.07e-03	0.03	-6.24
213	32	8.02	-0.02	-9.13e-04	0.0	0.0	-37.20	-2.07	0.08	2.81e-03	-0.12	8.02

213	33	5.59	-0.12	-1.44e-04	0.0	120.0	-36.47	-2.07	0.08	2.81e-03	-0.02	5.59
		-5.53	0.12	9.15e-04	0.0	0.0	13.44	2.12	-0.08	-2.64e-03	0.12	-8.01
		-8.01	0.03	1.42e-04	0.0	120.0	14.17	2.12	-0.08	-2.64e-03	0.03	-5.53
213	56	8.17	-0.02	-1.94e-04	0.0	0.0	-25.94	-3.01	0.05	2.40e-03	-0.08	8.17
		4.60	-0.08	-1.05e-04	0.0	120.0	-25.21	-3.01	0.05	2.40e-03	-0.02	4.60
213	57	-4.54	0.09	1.95e-04	0.0	0.0	2.17	3.05	-0.05	-2.23e-03	0.09	-8.16
		-8.16	0.03	1.03e-04	0.0	120.0	2.91	3.05	-0.05	-2.23e-03	0.03	-4.54
213	60	5.76	-0.02	-6.45e-04	0.0	0.0	-30.32	-1.59	0.06	2.05e-03	-0.09	5.76
		3.95	-0.09	-9.80e-05	0.0	120.0	-29.59	-1.59	0.06	2.05e-03	-0.02	3.95
213	61	-3.90	0.09	6.46e-04	0.0	0.0	6.56	1.64	-0.06	-1.88e-03	0.09	-5.76
		-5.76	0.02	9.54e-05	0.0	120.0	7.29	1.64	-0.06	-1.88e-03	0.02	-3.90
213	64	5.85	-0.02	-6.68e-04	0.0	0.0	-30.42	-1.50	0.06	2.10e-03	-0.08	5.85
		4.10	-0.08	-9.97e-05	0.0	120.0	-29.69	-1.50	0.06	2.10e-03	-0.02	4.10
213	65	-4.04	0.09	6.70e-04	0.0	0.0	6.66	1.54	-0.06	-1.93e-03	0.09	-5.85
		-5.85	0.02	9.71e-05	0.0	120.0	7.39	1.54	-0.06	-1.93e-03	0.02	-4.04
213	83	0.15	0.03	-2.68e-05	0.0	0.0	-10.20	0.11	-6.21e-03	-2.83e-04	0.03	0.07
		0.07	0.02	-8.37e-05	0.0	120.0	-9.47	0.11	-6.21e-03	-2.83e-04	0.02	0.15
213	84	-0.07	-0.02	2.82e-05	0.0	0.0	-13.56	-0.07	7.45e-03	4.53e-04	-0.02	-0.07
		-0.10	-0.02	8.11e-05	0.0	120.0	-12.83	-0.07	7.45e-03	4.53e-04	-0.02	-0.10
213	85	-0.18	0.02	4.47e-05	0.0	0.0	-9.89	-0.17	-6.11e-03	-4.38e-04	0.02	-0.18
		-0.27	0.02	-7.86e-05	0.0	120.0	-9.16	-0.17	-6.11e-03	-4.38e-04	0.02	-0.27
213	86	0.33	-8.73e-03	-4.33e-05	0.0	0.0	-13.87	0.21	7.35e-03	6.08e-04	-0.02	0.18
		0.18	-0.02	7.60e-05	0.0	120.0	-13.14	0.21	7.35e-03	6.08e-04	-8.73e-03	0.33
213	88	13.34	-0.04	-2.94e-04	0.0	0.0	-34.71	-5.09	0.09	3.79e-03	-0.14	13.34
		7.35	-0.14	-1.82e-04	0.0	120.0	-33.97	-5.09	0.09	3.79e-03	-0.04	7.35
213	89	-7.30	0.15	2.94e-04	0.0	0.0	10.94	5.14	-0.09	-3.62e-03	0.15	-13.34
		-13.34	0.04	1.80e-04	0.0	120.0	11.67	5.14	-0.09	-3.62e-03	0.04	-7.30
213	92	13.45	-0.03	-3.15e-04	0.0	0.0	-34.80	-4.97	0.09	3.86e-03	-0.14	13.45
		7.53	-0.14	-1.84e-04	0.0	120.0	-34.07	-4.97	0.09	3.86e-03	-0.03	7.53
213	93	-7.47	0.14	3.16e-04	0.0	0.0	11.03	5.01	-0.09	-3.69e-03	0.14	-13.45
		-13.45	0.04	1.82e-04	0.0	120.0	11.76	5.01	-0.09	-3.69e-03	0.04	-7.47
213	100	9.57	-0.03	-1.09e-03	0.0	0.0	-42.07	-2.48	0.09	3.33e-03	-0.14	9.57
		6.66	-0.14	-1.74e-04	0.0	120.0	-41.34	-2.48	0.09	3.33e-03	-0.03	6.66
213	101	-6.61	0.14	1.09e-03	0.0	0.0	18.31	2.52	-0.09	-3.16e-03	0.14	-9.57
		-9.57	0.03	1.72e-04	0.0	120.0	19.04	2.52	-0.09	-3.16e-03	0.03	-6.61
214	2	0.05	0.31	1.33e-05	0.0	0.0	-11.28	-0.01	-0.09	0.0	0.31	0.05
		9.39e-05	5.12e-05	-9.54e-05	0.0	360.0	-8.43	-0.01	-0.09	0.0	5.12e-05	9.39e-05
214	3	5.47e-03	0.06	-9.30e-06	0.0	0.0	-7.01	-1.50e-03	-0.02	0.0	0.06	5.47e-03
		6.69e-05	2.11e-04	4.12e-05	0.0	360.0	-4.82	-1.50e-03	-0.02	0.0	2.11e-04	6.69e-05
214	4	0.05	0.29	1.16e-05	0.0	0.0	-9.53	-0.01	-0.08	0.0	0.29	0.05
		8.85e-05	-2.02e-05	-8.44e-05	0.0	360.0	-7.33	-0.01	-0.08	0.0	-2.02e-05	8.85e-05
214	6	0.04	0.25	-3.97e-06	0.0	0.0	-11.30	-0.01	-0.07	0.0	0.25	0.04
		1.20e-04	1.03e-04	-4.14e-05	0.0	360.0	-8.45	-0.01	-0.07	0.0	1.03e-04	1.20e-04
214	9	6.06e-03	0.06	-4.32e-06	0.0	0.0	-6.63	-1.67e-03	-0.02	0.0	0.06	6.06e-03
		5.05e-05	2.20e-04	9.94e-06	0.0	360.0	-4.43	-1.67e-03	-0.02	0.0	2.20e-04	5.05e-05
214	10	0.03	0.21	9.61e-06	0.0	0.0	-8.30	-9.60e-03	-0.06	0.0	0.21	0.03
		6.50e-05	6.58e-05	-6.89e-05	0.0	360.0	-6.11	-9.60e-03	-0.06	0.0	6.58e-05	6.50e-05
214	12	0.03	0.17	-2.32e-06	0.0	0.0	-8.31	-6.99e-03	-0.05	0.0	0.17	0.03
		8.25e-05	1.00e-04	-3.13e-05	0.0	360.0	-6.12	-6.99e-03	-0.05	0.0	1.00e-04	8.25e-05
214	13	7.24e-03	0.04	5.64e-06	0.0	0.0	-5.86	-2.01e-03	-0.01	0.0	0.04	7.24e-03
		1.78e-05	2.38e-04	-5.25e-05	0.0	360.0	-3.67	-2.01e-03	-0.01	0.0	2.38e-04	1.78e-05
214	14	0.02	0.12	1.26e-05	0.0	0.0	-6.70	-5.97e-03	-0.03	0.0	0.12	0.02
		2.50e-05	1.61e-04	-8.48e-05	0.0	360.0	-4.50	-5.97e-03	-0.03	0.0	1.61e-04	2.50e-05
214	17	7.24e-03	0.04	5.64e-06	0.0	0.0	-5.86	-2.01e-03	-0.01	0.0	0.04	7.24e-03
		1.78e-05	2.38e-04	-5.25e-05	0.0	360.0	-3.67	-2.01e-03	-0.01	0.0	2.38e-04	1.78e-05
214	18	0.02	0.09	9.82e-06	0.0	0.0	-6.36	-4.39e-03	-0.02	0.0	0.09	0.02
		2.21e-05	1.92e-04	-7.19e-05	0.0	360.0	-4.17	-4.39e-03	-0.02	0.0	1.92e-04	2.21e-05
214	19	10.40	0.01	5.82e-04	0.0	0.0	-0.08	-2.89	-3.73e-03	0.0	0.01	10.40
		-0.01	-1.15e-03	-5.36e-04	0.0	360.0	2.12	-2.89	-3.73e-03	0.0	-1.15e-03	-0.01
214	22	0.01	0.16	-5.62e-04	0.0	0.0	-12.65	2.88	-0.05	0.0	0.16	-10.37
		-10.37	1.53e-03	3.92e-04	0.0	360.0	-10.45	2.88	-0.05	0.0	1.53e-03	0.01
214	24	10.46	0.04	5.73e-04	0.0	0.0	-2.00	-2.91	-0.01	0.0	0.04	10.46
		-9.56e-03	-1.44e-03	-4.09e-04	0.0	360.0	0.20	-2.91	-0.01	0.0	-1.44e-03	-9.56e-03
214	25	9.61e-03	0.14	-5.53e-04	0.0	0.0	-10.73	2.90	-0.04	0.0	0.14	-10.43
		-10.43	1.82e-03	2.66e-04	0.0	360.0	-8.53	2.90	-0.04	0.0	1.82e-03	9.61e-03
214	32	8.32	0.06	-1.36e-03	0.0	0.0	-5.84	-2.31	-0.02	0.0	0.06	8.32
		6.72e-03	-2.30e-03	-2.50e-04	0.0	360.0	-3.64	-2.31	-0.02	0.0	-2.30e-03	6.72e-03
214	51	7.56	0.03	4.20e-04	0.0	0.0	-1.61	-2.10	-8.87e-03	0.0	0.03	7.56
		-7.59e-03	-7.78e-04	-4.20e-04	0.0	360.0	0.58	-2.10	-8.87e-03	0.0	-7.78e-04	-7.59e-03
214	54	7.63e-03	0.15	-4.00e-04	0.0	0.0	-11.11	2.09	-0.04	0.0	0.15	-7.53
		-7.53	1.16e-03	2.76e-04	0.0	360.0	-8.92	2.09	-0.04	0.0	1.16e-03	7.63e-03
214	56	7.62	0.05	4.10e-04	0.0	0.0	-3.33	-2.12	-0.01	0.0	0.05	7.62
		-7.13e-03	-1.02e-03	-3.07e-04	0.0	360.0	-1.13	-2.12	-0.01	0.0	-1.02e-03	-7.13e-03
214	57	7.18e-03	0.13	-3.91e-04	0.0	0.0	-9.40	2.11	-0.03	0.0	0.13	-7.59
		-7.59	1.40e-03	1.64e-04	0.0	360.0	-7.20	2.11	-0.03	0.0	1.40e-03	7.18e-03

214	64	6.07	0.07	-9.94e-04	0.0	0.0	-6.11	-1.69	-0.02	0.0	0.07	6.07
		5.02e-03	-1.64e-03	-1.92e-04	0.0	360.0	-3.92	-1.69	-0.02	0.0	-1.64e-03	5.02e-03
214	83	0.12	0.06	-4.15e-05	0.0	0.0	-3.61	-0.03	-0.02	0.0	0.06	0.12
		-4.10e-04	5.07e-04	-2.57e-04	0.0	360.0	-1.42	-0.03	-0.02	0.0	5.07e-04	-4.10e-04
214	84	4.54e-04	0.12	6.11e-05	0.0	0.0	-9.11	0.02	-0.03	0.0	0.12	-0.08
		-0.08	-1.23e-04	1.13e-04	0.0	360.0	-6.92	0.02	-0.03	0.0	-1.23e-04	4.54e-04
214	85	-9.16e-04	0.06	8.94e-05	0.0	0.0	-3.97	0.07	-0.02	0.0	0.06	-0.25
		-0.25	5.94e-04	-2.25e-04	0.0	360.0	-1.78	0.07	-0.02	0.0	5.94e-04	-9.16e-04
214	86	0.28	0.11	-6.97e-05	0.0	0.0	-8.75	-0.08	-0.03	0.0	0.11	0.28
		9.61e-04	-2.11e-04	8.13e-05	0.0	360.0	-6.56	-0.08	-0.03	0.0	-2.11e-04	9.61e-04
214	87	12.46	-1.42e-03	6.98e-04	0.0	0.0	1.09	-3.46	1.63e-04	0.0	-2.00e-03	12.46
		-0.01	-2.00e-03	-6.23e-04	0.0	360.0	3.29	-3.46	1.63e-04	0.0	-1.42e-03	-0.01
214	90	0.01	0.18	-6.78e-04	0.0	0.0	-13.82	3.46	-0.05	0.0	0.18	-12.43
		-12.43	1.80e-03	4.80e-04	0.0	360.0	-11.62	3.46	-0.05	0.0	1.80e-03	0.01
214	92	12.53	0.02	6.88e-04	0.0	0.0	-1.07	-3.48	-7.09e-03	0.0	0.02	12.53
		-0.01	-1.75e-03	-4.80e-04	0.0	360.0	1.12	-3.48	-7.09e-03	0.0	-1.75e-03	-0.01
214	93	0.01	0.15	-6.69e-04	0.0	0.0	-11.65	3.47	-0.04	0.0	0.15	-12.50
		-12.50	2.14e-03	3.36e-04	0.0	360.0	-9.46	3.47	-0.04	0.0	2.14e-03	0.01
214	100	9.92	0.06	-1.62e-03	0.0	0.0	-5.68	-2.75	-0.02	0.0	0.06	9.92
		7.97e-03	-2.77e-03	-2.88e-04	0.0	360.0	-3.49	-2.75	-0.02	0.0	-2.77e-03	7.97e-03
229	2	8.67e-03	0.10	-8.64e-06	0.0	0.0	-28.25	3.69e-03	0.29	4.33e-04	-0.25	4.24e-03
		4.24e-03	-0.25	1.68e-05	0.0	120.0	-27.30	3.69e-03	0.29	4.33e-04	0.10	8.67e-03
229	4	7.90e-03	0.10	-8.58e-06	0.0	0.0	-22.20	3.53e-03	0.29	4.18e-04	-0.24	3.66e-03
		3.66e-03	-0.24	1.73e-05	0.0	120.0	-21.47	3.53e-03	0.29	4.18e-04	0.10	7.90e-03
229	5	-3.50e-03	0.21	-6.61e-06	0.0	0.0	-30.68	2.10e-03	0.56	3.85e-04	-0.46	-6.03e-03
		-6.03e-03	-0.46	3.48e-05	0.0	120.0	-29.73	2.10e-03	0.56	3.85e-04	0.21	-3.50e-03
229	7	-4.27e-03	0.21	-6.54e-06	0.0	0.0	-24.63	1.95e-03	0.56	3.70e-04	-0.46	-6.61e-03
		-6.61e-03	-0.46	3.53e-05	0.0	120.0	-23.90	1.95e-03	0.56	3.70e-04	0.21	-4.27e-03
229	10	6.12e-03	0.07	-5.79e-06	0.0	0.0	-21.52	2.53e-03	0.19	2.95e-04	-0.16	3.09e-03
		3.09e-03	-0.16	1.10e-05	0.0	120.0	-20.79	2.53e-03	0.19	2.95e-04	0.07	6.12e-03
229	11	-1.99e-03	0.14	-4.43e-06	0.0	0.0	-23.14	1.47e-03	0.37	2.63e-04	-0.31	-3.76e-03
		-3.76e-03	-0.31	2.29e-05	0.0	120.0	-22.41	1.47e-03	0.37	2.63e-04	0.14	-1.99e-03
229	14	5.70e-03	8.12e-03	-1.73e-06	0.0	0.0	-19.95	1.23e-03	-0.01	1.08e-04	8.12e-03	4.22e-03
		4.22e-03	-7.07e-03	-2.84e-06	0.0	120.0	-19.22	1.23e-03	-0.01	1.08e-04	-7.07e-03	5.70e-03
229	15	1.64e-03	0.03	-1.05e-06	0.0	0.0	-20.76	7.02e-04	0.08	9.25e-05	-0.06	8.00e-04
		8.00e-04	-0.06	3.15e-06	0.0	120.0	-20.03	7.02e-04	0.08	9.25e-05	0.03	1.64e-03
229	17	2.55e-03	-2.27e-04	0.0	0.0	0.0	-20.17	5.10e-04	2.35e-03	4.98e-05	-3.05e-03	1.94e-03
		1.94e-03	-3.05e-03	-1.80e-06	0.0	120.0	-19.44	5.10e-04	2.35e-03	4.98e-05	-2.27e-04	2.55e-03
229	18	4.44e-03	3.65e-03	-1.12e-06	0.0	0.0	-20.04	9.42e-04	-6.65e-03	8.50e-05	3.65e-03	3.31e-03
		3.31e-03	-4.33e-03	-2.43e-06	0.0	120.0	-19.31	9.42e-04	-6.65e-03	8.50e-05	-4.33e-03	4.44e-03
229	23	8.40	-0.15	-3.66e-03	0.0	0.0	-84.48	3.76	0.04	2.84e-03	-0.15	3.97
		3.97	-0.19	-1.08e-04	0.0	120.0	-83.75	3.76	0.04	2.84e-03	-0.19	8.40
229	26	-3.96	0.20	3.66e-03	0.0	0.0	44.40	-3.76	-0.05	-2.67e-03	0.20	-3.96
		-8.39	0.14	1.03e-04	0.0	120.0	45.13	-3.76	-0.05	-2.67e-03	0.14	-8.39
229	28	5.31	-0.10	-3.28e-03	0.0	0.0	-101.00	2.90	0.21	2.75e-03	-0.34	1.92
		1.92	-0.34	-3.81e-05	0.0	120.0	-100.27	2.90	0.21	2.75e-03	-0.10	5.31
229	29	-1.92	0.35	3.28e-03	0.0	0.0	60.92	-2.90	-0.22	-2.58e-03	0.35	-1.92
		-5.30	0.09	3.32e-05	0.0	120.0	61.65	-2.90	-0.22	-2.58e-03	0.09	-5.30
229	32	5.24	-0.09	-3.27e-03	0.0	0.0	-100.74	2.96	0.22	2.81e-03	-0.35	1.83
		1.83	-0.35	-4.27e-05	0.0	120.0	-100.01	2.96	0.22	2.81e-03	-0.09	5.24
229	33	-1.83	0.36	3.27e-03	0.0	0.0	60.66	-2.96	-0.23	-2.64e-03	0.36	-1.83
		-5.23	0.08	3.79e-05	0.0	120.0	61.39	-2.96	-0.23	-2.64e-03	0.08	-5.23
229	55	6.13	-0.11	-2.66e-03	0.0	0.0	-66.28	2.73	0.02	2.06e-03	-0.13	2.93
		2.93	-0.13	-8.36e-05	0.0	120.0	-65.55	2.73	0.02	2.06e-03	-0.11	6.13
229	58	-2.92	0.14	2.66e-03	0.0	0.0	26.20	-2.72	-0.03	-1.89e-03	0.14	-2.92
		-6.12	0.10	7.88e-05	0.0	120.0	26.93	-2.72	-0.03	-1.89e-03	0.10	-6.12
229	60	3.86	-0.07	-2.39e-03	0.0	0.0	-79.51	2.11	0.15	2.05e-03	-0.25	1.41
		1.41	-0.25	-2.22e-05	0.0	120.0	-78.78	2.11	0.15	2.05e-03	-0.07	3.86
229	61	-1.40	0.26	2.39e-03	0.0	0.0	39.43	-2.11	-0.17	-1.88e-03	0.26	-1.40
		-3.86	0.06	1.73e-05	0.0	120.0	40.16	-2.11	-0.17	-1.88e-03	0.06	-3.86
229	64	3.80	-0.06	-2.38e-03	0.0	0.0	-79.30	2.17	0.16	2.10e-03	-0.26	1.33
		1.33	-0.26	-2.62e-05	0.0	120.0	-78.57	2.17	0.16	2.10e-03	-0.06	3.80
229	65	-1.32	0.27	2.38e-03	0.0	0.0	39.22	-2.17	-0.18	-1.93e-03	0.27	-1.32
		-3.80	0.06	2.14e-05	0.0	120.0	39.95	-2.17	-0.18	-1.93e-03	0.06	-3.80
229	83	0.19	0.15	8.93e-06	0.0	0.0	-10.61	0.05	-0.17	-2.83e-04	0.15	0.19
		0.15	-0.06	-9.60e-05	0.0	120.0	-9.88	0.05	-0.17	-2.83e-04	-0.06	0.15
229	84	-0.14	0.05	-1.12e-05	0.0	0.0	-29.47	-0.04	0.16	4.53e-04	-0.14	-0.18
		-0.18	-0.14	9.11e-05	0.0	120.0	-28.74	-0.04	0.16	4.53e-04	0.05	-0.14
229	85	0.43	0.17	-1.34e-05	0.0	0.0	-11.23	-0.11	-0.21	-4.38e-04	0.17	0.43
		0.33	-0.07	-8.38e-05	0.0	120.0	-10.50	-0.11	-0.21	-4.38e-04	-0.07	0.33
229	86	-0.33	0.07	1.16e-05	0.0	0.0	-28.85	0.11	0.19	6.08e-04	-0.17	-0.43
		-0.43	-0.17	7.89e-05	0.0	120.0	-28.12	0.11	0.19	6.08e-04	0.07	-0.33
229	91	10.05	-0.18	-4.39e-03	0.0	0.0	-97.46	4.51	0.05	3.40e-03	-0.23	4.73
		4.73	-0.23	-1.26e-04	0.0	120.0	-96.73	4.51	0.05	3.40e-03	-0.18	10.05
229	94	-4.73	0.24	4.39e-03	0.0	0.0	57.38	-4.50	-0.06	-3.23e-03	0.24	-4.73

229	96	-10.04	0.17	1.21e-04	0.0	120.0	58.11	-4.50	-0.06	-3.23e-03	0.17	-10.04
		6.34	-0.11	-3.92e-03	0.0	0.0	-116.50	3.47	0.25	3.26e-03	-0.41	2.29
		2.29	-0.41	-4.74e-05	0.0	120.0	-115.77	3.47	0.25	3.26e-03	-0.11	6.34
229	97	-2.29	0.41	3.91e-03	0.0	0.0	76.42	-3.47	-0.26	-3.09e-03	0.41	-2.29
		-6.33	0.10	4.25e-05	0.0	120.0	77.15	-3.47	-0.26	-3.09e-03	0.10	-6.33
229	100	6.27	-0.11	-3.91e-03	0.0	0.0	-116.20	3.54	0.26	3.33e-03	-0.42	2.19
		2.19	-0.42	-5.27e-05	0.0	120.0	-115.47	3.54	0.26	3.33e-03	-0.11	6.27
229	101	-2.19	0.43	3.91e-03	0.0	0.0	76.11	-3.53	-0.28	-3.16e-03	0.43	-2.19
		-6.26	0.10	4.78e-05	0.0	120.0	76.85	-3.53	-0.28	-3.16e-03	0.10	-6.26
230	2	0.02	2.61	0.0	0.0	0.0	-65.59	0.04	-17.93	0.0	2.61	-0.01
		-0.01	-11.54	-1.63e-04	0.47	80.0	-64.96	0.04	-17.46	0.0	-11.54	0.02
230	4	0.02	2.53	0.0	0.0	0.0	-56.82	0.04	-17.10	0.0	2.53	-3.73e-03
		-3.73e-03	-10.96	-1.52e-04	0.47	80.0	-56.33	0.04	-16.63	0.0	-10.96	0.02
230	5	-0.04	0.60	-1.64e-06	0.0	0.0	-15.18	0.04	-3.56	0.0	0.60	-0.07
		-0.07	-1.94	-2.28e-05	0.78	80.0	-14.55	0.04	-2.78	0.0	-1.94	-0.04
230	7	-0.04	0.51	-1.49e-06	0.0	0.0	-6.41	0.04	-2.73	0.0	0.51	-0.07
		-0.07	-1.36	-1.23e-05	0.78	80.0	-5.93	0.04	-1.95	0.0	-1.36	-0.04
230	10	0.01	1.78	0.0	0.0	0.0	-47.62	0.03	-12.32	0.0	1.78	-0.01
		-0.01	-7.96	-1.13e-04	0.31	80.0	-47.14	0.03	-12.01	0.0	-7.96	0.01
230	11	-0.03	0.44	-1.16e-06	0.0	0.0	-14.02	0.03	-2.75	0.0	0.44	-0.05
		-0.05	-1.55	-1.99e-05	0.52	80.0	-13.53	0.03	-2.23	0.0	-1.55	-0.03
230	14	0.01	0.98	0.0	0.0	0.0	-42.99	0.02	-7.56	0.0	0.98	-8.85e-03
		-8.85e-03	-5.07	-7.86e-05	0.0	80.0	-42.50	0.02	-7.56	0.0	-5.07	0.01
230	15	-0.01	0.31	0.0	0.0	0.0	-26.19	0.02	-2.78	0.0	0.31	-0.03
		-0.03	-1.87	-3.20e-05	0.10	80.0	-25.70	0.02	-2.67	0.0	-1.87	-0.01
230	17	-6.36e-03	0.28	0.0	0.0	0.0	-29.23	0.02	-2.78	0.0	0.28	-0.02
		-0.02	-1.94	-3.51e-05	0.0	80.0	-28.74	0.02	-2.78	0.0	-1.94	-6.36e-03
230	18	3.56e-03	0.70	0.0	0.0	0.0	-37.49	0.02	-5.65	0.0	0.70	-0.01
		-0.01	-3.82	-6.12e-05	0.0	80.0	-37.00	0.02	-5.65	0.0	-3.82	3.56e-03
230	19	-14.18	-7.01e-03	-4.96e-04	0.0	0.0	-98.79	8.19	-5.48	0.0	-7.01e-03	-20.70
		-20.70	-4.07	-9.87e-05	0.0	80.0	-98.30	8.19	-5.48	0.0	-4.07	-14.18
230	22	20.67	1.41	4.95e-04	0.0	0.0	23.82	-8.14	-5.82	0.0	1.41	20.67
		14.19	-3.56	-2.37e-05	0.0	80.0	24.31	-8.14	-5.82	0.0	-3.56	14.19
230	31	-20.21	0.25	-7.22e-04	0.0	0.0	-76.53	12.72	-5.56	0.0	0.25	-30.37
		-30.37	-3.99	-8.54e-05	0.0	80.0	-76.05	12.72	-5.56	0.0	-3.99	-20.21
230	34	30.34	1.16	7.21e-04	0.0	0.0	1.56	-12.68	-5.74	0.0	1.16	30.34
		20.21	-3.65	-3.70e-05	0.0	80.0	2.05	-12.68	-5.74	0.0	-3.65	20.21
230	37	6.52	0.44	1.56e-04	0.0	0.0	-55.85	-2.64	-8.05	0.0	0.44	6.52
		4.42	-5.31	-8.32e-05	0.0	80.0	-55.36	-2.64	-8.05	0.0	-5.31	4.42
230	51	-10.31	0.17	-3.61e-04	0.0	0.0	-83.62	5.98	-5.62	0.0	0.17	-15.07
		-15.07	-4.05	-9.01e-05	0.0	80.0	-83.13	5.98	-5.62	0.0	-4.05	-10.31
230	54	15.04	1.24	3.60e-04	0.0	0.0	8.65	-5.93	-5.68	0.0	1.24	15.04
		10.32	-3.58	-3.23e-05	0.0	80.0	9.13	-5.93	-5.68	0.0	-3.58	10.32
230	63	-14.72	0.36	-5.26e-04	0.0	0.0	-67.30	9.30	-5.65	0.0	0.36	-22.15
		-22.15	-3.98	-8.00e-05	0.0	80.0	-66.81	9.30	-5.65	0.0	-3.98	-14.72
230	66	22.12	1.05	5.26e-04	0.0	0.0	-7.67	-9.25	-5.65	0.0	1.05	22.12
		14.73	-3.66	-4.23e-05	0.0	80.0	-7.18	-9.25	-5.65	0.0	-3.66	14.73
230	69	4.79	0.45	1.14e-04	0.0	0.0	-56.09	-1.95	-7.77	0.0	0.45	4.79
		3.24	-5.17	-8.25e-05	0.0	80.0	-55.61	-1.95	-7.77	0.0	-5.17	3.24
230	83	0.22	0.36	5.00e-06	0.0	0.0	-64.28	-0.13	-7.40	0.0	0.36	0.22
		0.12	-5.00	-8.59e-05	0.0	80.0	-63.79	-0.13	-7.40	0.0	-5.00	0.12
230	84	-0.11	1.04	-5.47e-06	0.0	0.0	-10.70	0.17	-3.90	0.0	1.04	-0.25
		-0.25	-2.64	-3.64e-05	0.0	80.0	-10.21	0.17	-3.90	0.0	-2.64	-0.11
230	85	-0.29	0.45	-1.29e-05	0.0	0.0	-59.17	0.37	-6.77	0.0	0.45	-0.58
		-0.58	-4.58	-7.92e-05	0.0	80.0	-58.68	0.37	-6.77	0.0	-4.58	-0.29
230	86	0.55	0.96	1.25e-05	0.0	0.0	-15.80	-0.32	-4.53	0.0	0.96	0.55
		0.30	-3.06	-4.32e-05	0.0	80.0	-15.32	-0.32	-4.53	0.0	-3.06	0.30
230	87	-16.98	-0.14	-5.94e-04	0.0	0.0	-110.29	9.80	-5.41	0.0	-0.14	-24.79
		-24.79	-4.10	-1.05e-04	0.0	80.0	-109.80	9.80	-5.41	0.0	-4.10	-16.98
230	90	24.76	1.55	5.93e-04	0.0	0.0	35.32	-9.76	-5.89	0.0	1.55	24.76
		16.99	-3.53	-1.69e-05	0.0	80.0	35.80	-9.76	-5.89	0.0	-3.53	16.99
230	99	-24.13	0.17	-8.62e-04	0.0	0.0	-83.56	15.18	-5.52	0.0	0.17	-36.25
		-36.25	-4.01	-8.96e-05	0.0	80.0	-83.07	15.18	-5.52	0.0	-4.01	-24.13
230	102	36.22	1.24	8.61e-04	0.0	0.0	8.59	-15.13	-5.78	0.0	1.24	36.22
		24.13	-3.63	-3.28e-05	0.0	80.0	9.07	-15.13	-5.78	0.0	-3.63	24.13
230	105	7.79	0.41	1.86e-04	0.0	0.0	-57.38	-3.15	-8.37	0.0	0.41	7.79
		5.29	-5.50	-8.53e-05	0.0	80.0	-56.90	-3.15	-8.37	0.0	-5.50	5.29
231	2	0.08	13.58	2.68e-05	0.0	0.0	-33.37	-0.02	-12.37	0.0	13.58	0.08
		0.02	-13.21	1.48e-03	1.34	229.0	-31.56	-0.02	-11.03	0.0	-13.21	0.02
231	7	0.02	2.10	-8.80e-06	0.0	0.0	-0.62	2.91e-03	-2.72	0.0	2.10	9.21e-03
		9.21e-03	-1.59	2.49e-04	2.23	229.0	0.78	2.91e-03	-0.49	0.0	-1.59	0.02
231	9	0.02	2.18	-1.60e-06	0.0	0.0	-10.56	-2.37e-03	-2.24	0.0	2.18	0.02
		0.01	-1.93	2.36e-04	0.89	229.0	-9.16	-2.37e-03	-1.35	0.0	-1.93	0.01
231	10	0.06	9.35	1.84e-05	0.0	0.0	-24.54	-0.02	-8.50	0.0	9.35	0.06
		0.02	-9.09	1.02e-03	0.89	229.0	-23.14	-0.02	-7.61	0.0	-9.09	0.02

231	11	0.01	2.14	-4.68e-06	0.0	0.0	-6.14	-2.23e-05	-2.46	0.0	2.14	0.01
		0.01	-1.78	2.42e-04	1.49	229.0	-4.74	-2.23e-05	-0.97	0.0	-1.78	0.01
231	13	0.02	2.24	3.57e-06	0.0	0.0	-17.18	-5.89e-03	-1.92	0.0	2.24	0.02
		8.74e-03	-2.15	2.28e-04	0.0	229.0	-15.79	-5.89e-03	-1.92	0.0	-2.15	8.74e-03
231	14	0.04	5.82	1.34e-05	0.0	0.0	-24.17	-0.01	-5.05	0.0	5.82	0.04
		0.01	-5.74	6.20e-04	0.0	229.0	-22.78	-0.01	-5.05	0.0	-5.74	0.01
231	15	0.02	2.22	1.92e-06	0.0	0.0	-14.97	-4.72e-03	-2.03	0.0	2.22	0.02
		9.69e-03	-2.08	2.31e-04	0.30	229.0	-13.58	-4.72e-03	-1.73	0.0	-2.08	9.69e-03
231	17	0.02	2.24	3.57e-06	0.0	0.0	-17.18	-5.89e-03	-1.92	0.0	2.24	0.02
		8.74e-03	-2.15	2.28e-04	0.0	229.0	-15.79	-5.89e-03	-1.92	0.0	-2.15	8.74e-03
231	18	0.03	4.39	9.49e-06	0.0	0.0	-21.38	-0.01	-3.80	0.0	4.39	0.03
		0.01	-4.30	4.63e-04	0.0	229.0	-19.98	-0.01	-3.80	0.0	-4.30	0.01
231	19	2.63	4.54	-5.23e-03	0.0	0.0	-69.06	2.66	-3.89	0.0	4.54	-3.69
		-3.69	-4.54	3.09e-04	0.0	229.0	-67.66	2.66	-3.89	0.0	-4.54	2.63
231	22	3.76	4.24	5.25e-03	0.0	0.0	26.31	-2.68	-3.70	0.0	4.24	3.76
		-2.60	-4.07	6.34e-04	0.0	229.0	-27.70	-2.68	-3.70	0.0	-4.07	-2.60
231	32	4.90	4.01	-6.99e-03	0.0	0.0	-39.33	3.67	-3.53	0.0	4.01	3.94
		3.94	-3.94	3.51e-04	0.0	229.0	-37.94	3.67	-3.53	0.0	-3.94	4.90
231	33	-3.87	4.77	7.01e-03	0.0	0.0	-3.42	-3.69	-4.06	0.0	4.77	-3.87
		-4.88	-4.67	5.77e-04	0.0	229.0	-2.02	-3.69	-4.06	0.0	-4.67	-4.88
231	37	1.27	5.71	1.60e-03	0.0	0.0	-34.72	-0.84	-4.66	0.0	5.71	1.27
		-0.92	-5.62	5.85e-04	0.0	229.0	-33.32	-0.84	-4.66	0.0	-5.62	-0.92
231	51	1.93	4.55	-3.80e-03	0.0	0.0	-57.21	1.94	-3.89	0.0	4.55	-2.68
		-2.68	-4.51	3.58e-04	0.0	229.0	-55.81	1.94	-3.89	0.0	-4.51	1.93
231	54	2.75	4.24	3.82e-03	0.0	0.0	14.46	-1.96	-3.70	0.0	4.24	2.75
		-1.91	-4.10	5.78e-04	0.0	229.0	15.85	-1.96	-3.70	0.0	-4.10	-1.91
231	64	3.60	4.06	-5.08e-03	0.0	0.0	-33.42	2.67	-3.57	0.0	4.06	2.91
		2.91	-3.98	3.80e-04	0.0	229.0	-32.03	2.67	-3.57	0.0	-3.98	3.60
231	65	-2.84	4.72	5.10e-03	0.0	0.0	-9.33	-2.69	-4.03	0.0	4.72	-2.84
		-3.57	-4.62	5.46e-04	0.0	229.0	-7.93	-2.69	-4.03	0.0	-4.62	-3.57
231	69	0.95	5.58	1.17e-03	0.0	0.0	-35.00	-0.61	-4.56	0.0	5.58	0.95
		-0.69	-5.45	5.68e-04	0.0	229.0	-33.61	-0.61	-4.56	0.0	-5.45	-0.69
231	83	0.12	5.41	2.32e-05	0.0	0.0	-41.50	-0.03	-4.45	0.0	5.41	0.12
		-0.09	-5.30	5.23e-04	0.0	229.0	-40.10	-0.03	-4.45	0.0	-5.30	-0.09
231	84	0.12	3.37	-5.04e-06	0.0	0.0	-1.25	6.86e-03	-3.14	0.0	3.37	-0.05
		-0.05	-3.31	4.03e-04	0.0	229.0	0.14	6.86e-03	-3.14	0.0	-3.31	0.12
231	85	-0.15	5.06	-4.09e-05	0.0	0.0	-37.83	0.03	-4.28	0.0	5.06	-0.15
		-0.22	-5.04	4.83e-04	0.0	229.0	-36.44	0.03	-4.28	0.0	-5.04	-0.22
231	86	0.24	3.72	5.99e-05	0.0	0.0	-4.92	-0.05	-3.32	0.0	3.72	0.22
		0.22	-3.57	4.46e-04	0.0	229.0	-3.52	-0.05	-3.32	0.0	-3.57	0.24
231	87	3.14	4.55	-6.26e-03	0.0	0.0	-78.02	3.19	-3.90	0.0	4.55	-4.43
		-4.43	-4.58	2.76e-04	0.0	229.0	-76.62	3.19	-3.90	0.0	-4.58	3.14
231	90	4.49	4.23	6.28e-03	0.0	0.0	35.27	-3.21	-3.69	0.0	4.23	4.49
		-3.11	-4.03	6.72e-04	0.0	229.0	36.66	-3.21	-3.69	0.0	-4.03	-3.11
231	100	5.84	3.96	-8.35e-03	0.0	0.0	-43.23	4.38	-3.50	0.0	3.96	4.68
		4.68	-3.89	3.29e-04	0.0	229.0	-41.83	4.38	-3.50	0.0	-3.89	5.84
231	101	-4.62	4.82	8.37e-03	0.0	0.0	0.48	-4.40	-4.10	0.0	4.82	-4.62
		-5.82	-4.72	6.00e-04	0.0	229.0	1.87	-4.40	-4.10	0.0	-4.72	-5.82
231	105	1.50	5.87	1.91e-03	0.0	0.0	-35.79	-1.00	-4.77	0.0	5.87	1.50
		-1.09	-5.82	6.02e-04	0.0	229.0	-34.39	-1.00	-4.77	0.0	-5.82	-1.09
232	2	0.06	8.22	3.42e-06	0.0	0.0	-73.71	0.03	12.60	-0.01	-20.57	-4.77e-03
		-4.77e-03	-20.57	-6.00e-03	2.09	211.0	-72.04	0.03	14.69	-0.01	8.22	0.06
232	5	6.99e-03	2.38	-8.04e-06	0.0	0.0	-33.42	0.04	0.46	-2.23e-03	-2.25	-0.07
		-0.07	-2.25	-6.98e-04	3.48	211.0	-31.75	0.04	3.94	-2.23e-03	2.38	6.99e-03
232	7	6.30e-03	2.00	-7.56e-06	0.0	0.0	-24.91	0.03	-0.24	-1.49e-03	-1.17	-0.06
		-0.06	-1.17	-3.83e-04	3.48	211.0	-23.63	0.03	3.24	-1.49e-03	2.00	6.30e-03
232	10	0.04	5.65	2.07e-06	0.0	0.0	-52.92	0.02	8.71	-0.01	-14.19	-5.07e-03
		-5.07e-03	-14.19	-4.14e-03	1.39	211.0	-51.64	0.02	10.10	-0.01	5.65	0.04
232	11	4.97e-03	1.76	-5.58e-06	0.0	0.0	-26.07	0.02	0.61	-1.82e-03	-1.98	-0.05
		-0.05	-1.98	-6.05e-04	2.32	211.0	-24.78	0.02	2.93	-1.82e-03	1.76	4.97e-03
232	14	0.02	3.32	1.41e-06	0.0	0.0	-41.34	0.01	6.03	-6.51e-03	-9.39	3.66e-04
		3.66e-04	-9.39	-2.73e-03	0.0	211.0	-40.05	0.01	6.03	-6.51e-03	3.32	0.02
232	15	2.84e-03	1.38	-2.41e-06	0.0	0.0	-27.91	0.01	1.98	-2.36e-03	-3.29	-0.02
		-0.02	-3.29	-9.60e-04	0.46	211.0	-26.62	0.01	2.44	-2.36e-03	1.38	2.84e-03
232	17	2.31e-03	1.28	-1.61e-06	0.0	0.0	-28.37	7.81e-03	2.32	-2.49e-03	-3.62	-0.01
		-0.01	-3.62	-1.05e-03	0.0	211.0	-27.08	7.81e-03	2.32	-2.49e-03	1.28	2.31e-03
232	18	0.01	2.51	0.0	0.0	0.0	-36.15	9.29e-03	4.55	-4.90e-03	-7.08	-5.45e-03
		-5.45e-03	-7.08	-2.06e-03	0.0	211.0	-34.86	9.29e-03	4.55	-4.90e-03	2.51	0.01
232	23	-3.77	2.99	-2.82e-03	0.0	0.0	-45.60	8.15	4.95	-2.22e-03	-7.60	-21.06
		-21.06	-7.60	-2.20e-03	0.0	211.0	-44.32	8.15	4.95	-2.22e-03	2.99	-3.77
232	26	21.05	2.03	2.83e-03	0.0	0.0	-26.70	-8.13	4.14	-7.58e-03	-6.56	21.05
		3.80	-6.56	-1.91e-03	0.0	211.0	-25.41	-8.13	4.14	-7.58e-03	2.03	3.80
232	31	-4.39	3.01	-4.00e-03	0.0	0.0	-44.01	12.18	4.96	-2.61e-03	-7.60	-30.22
		-30.22	-7.60	-2.20e-03	0.0	211.0	-42.72	12.18	4.96	-2.61e-03	3.01	-4.39
232	34	30.21	2.00	4.00e-03	0.0	0.0	-28.29	-12.16	4.13	-7.19e-03	-6.56	30.21

232	47	4.42	-6.56	-1.91e-03	0.0	211.0	-27.01	-12.16	4.13	-7.19e-03	2.00	4.42
		-1.51	3.62	-1.27e-03	0.0	0.0	-41.47	3.27	5.78	-4.95e-03	-9.10	-9.72
		-9.72	-9.10	-2.73e-03	0.0	211.0	-40.19	3.27	5.78	-4.95e-03	3.62	-1.51
232	49	8.27	3.51	1.11e-03	0.0	0.0	-37.34	-4.11	5.75	-6.47e-03	-9.16	8.27
		1.09	-9.16	-2.77e-03	0.0	211.0	-36.06	-4.11	5.75	-6.47e-03	3.51	1.09
232	55	-2.77	2.88	-2.06e-03	0.0	0.0	-43.05	5.93	4.87	-2.97e-03	-7.50	-15.38
		-15.38	-7.50	-2.17e-03	0.0	211.0	-41.77	5.93	4.87	-2.97e-03	2.88	-2.77
232	58	15.36	2.14	2.06e-03	0.0	0.0	-29.25	-5.92	4.22	-6.83e-03	-6.67	15.36
		2.80	-6.67	-1.94e-03	0.0	211.0	-27.96	-5.92	4.22	-6.83e-03	2.14	2.80
232	63	-3.24	2.90	-2.91e-03	0.0	0.0	-41.92	8.87	4.88	-3.25e-03	-7.50	-22.04
		-22.04	-7.50	-2.17e-03	0.0	211.0	-40.63	8.87	4.88	-3.25e-03	2.90	-3.24
232	66	22.03	2.12	2.92e-03	0.0	0.0	-30.38	-8.85	4.21	-6.55e-03	-6.67	22.03
		3.27	-6.67	-1.94e-03	0.0	211.0	-29.10	-8.85	4.21	-6.55e-03	2.12	3.27
232	79	-1.14	3.40	-9.36e-04	0.0	0.0	-40.15	2.32	5.54	-5.00e-03	-8.68	-7.18
		-7.18	-8.68	-2.58e-03	0.0	211.0	-38.87	2.32	5.54	-5.00e-03	3.40	-1.14
232	81	5.93	3.32	8.01e-04	0.0	0.0	-37.14	-3.06	5.52	-6.10e-03	-8.72	5.93
		0.77	-8.72	-2.61e-03	0.0	211.0	-35.86	-3.06	5.52	-6.10e-03	3.32	0.77
232	85	-0.17	3.27	-6.06e-05	0.0	0.0	-38.37	-0.33	5.43	-5.48e-03	-8.52	-0.57
		-0.57	-8.52	-2.53e-03	0.0	211.0	-37.09	-0.33	5.43	-5.48e-03	3.27	-0.17
232	86	0.56	1.75	6.10e-05	0.0	0.0	-33.93	0.35	3.67	-4.32e-03	-5.64	0.56
		0.19	-5.64	-1.58e-03	0.0	211.0	-32.64	0.35	3.67	-4.32e-03	1.75	0.19
232	91	-4.51	3.07	-3.38e-03	0.0	0.0	-47.45	9.76	5.02	-1.68e-03	-7.69	-25.21
		-25.21	-7.69	-2.23e-03	0.0	211.0	-46.16	9.76	5.02	-1.68e-03	3.07	-4.51
232	94	25.20	1.94	3.38e-03	0.0	0.0	-24.85	-9.74	4.07	-8.13e-03	-6.47	25.20
		4.54	-6.47	-1.89e-03	0.0	211.0	-23.56	-9.74	4.07	-8.13e-03	1.94	4.54
232	99	-5.23	3.10	-4.77e-03	0.0	0.0	-45.51	14.55	5.03	-2.16e-03	-7.69	-36.07
		-36.07	-7.69	-2.22e-03	0.0	211.0	-44.22	14.55	5.03	-2.16e-03	3.10	-5.23
232	102	36.06	1.91	4.78e-03	0.0	0.0	-26.79	-14.53	4.06	-7.65e-03	-6.48	36.06
		5.26	-6.48	-1.89e-03	0.0	211.0	-25.51	-14.53	4.06	-7.65e-03	1.91	5.26
232	115	-1.79	3.82	-1.51e-03	0.0	0.0	-42.42	3.93	5.99	-4.93e-03	-9.45	-11.57
		-11.57	-9.45	-2.84e-03	0.0	211.0	-41.14	3.93	5.99	-4.93e-03	3.82	-1.79
232	117	9.92	3.69	1.33e-03	0.0	0.0	-37.49	-4.89	5.96	-6.75e-03	-9.51	9.92
		1.31	-9.51	-2.89e-03	0.0	211.0	-36.21	-4.89	5.96	-6.75e-03	3.69	1.31
233	2	0.06	8.12	4.86e-05	0.0	0.0	-46.45	-8.36e-03	-2.72	9.83e-03	8.12	0.06
		0.03	4.39	-3.48e-03	3.56	360.0	-43.60	-8.36e-03	0.85	9.83e-03	4.75	0.03
233	3	0.04	2.86	-5.22e-06	0.0	0.0	-18.72	0.01	-1.46	2.28e-03	1.70	4.70e-03
		4.70e-03	0.63	5.13e-04	3.56	360.0	-16.53	0.01	2.10	2.28e-03	2.86	0.04
233	7	0.03	4.52	-1.09e-05	0.0	0.0	-17.67	6.28e-03	-2.27	2.81e-03	1.99	6.30e-03
		6.30e-03	0.43	1.27e-03	5.94	360.0	-15.48	6.28e-03	3.67	2.81e-03	4.52	0.03
233	9	0.05	2.03	-3.29e-06	0.0	0.0	-19.24	0.01	-1.06	2.02e-03	1.56	3.90e-03
		3.90e-03	0.72	-2.86e-04	2.38	360.0	-17.05	0.01	1.32	2.02e-03	2.03	0.05
233	10	0.04	5.59	3.34e-05	0.0	0.0	-33.67	-3.47e-03	-1.85	6.75e-03	5.59	0.04
		0.03	3.01	-2.41e-03	2.38	360.0	-31.48	-3.47e-03	0.53	6.75e-03	3.22	0.03
233	11	0.04	3.14	-6.01e-06	0.0	0.0	-18.54	9.45e-03	-1.59	2.37e-03	1.75	4.97e-03
		4.97e-03	0.60	6.39e-04	3.96	360.0	-16.35	9.45e-03	2.37	2.37e-03	3.14	0.04
233	13	0.06	1.27	7.75e-06	0.0	0.0	-20.29	0.02	-0.25	1.49e-03	1.27	2.31e-03
		2.31e-03	0.37	-6.77e-04	0.0	360.0	-18.10	0.02	-0.25	1.49e-03	0.37	0.06
233	14	0.05	3.28	2.43e-05	0.0	0.0	-27.51	8.06e-03	-0.64	3.85e-03	3.28	0.05
		0.02	0.96	-1.77e-03	0.0	360.0	-25.31	8.06e-03	-0.64	3.85e-03	0.96	0.02
233	15	0.06	1.36	5.27e-06	0.0	0.0	-19.94	0.01	-0.52	1.66e-03	1.36	2.84e-03
		2.84e-03	0.75	-5.31e-04	0.79	360.0	-17.75	0.01	0.27	1.66e-03	0.92	0.06
233	17	0.06	1.27	7.75e-06	0.0	0.0	-20.29	0.02	-0.25	1.49e-03	1.27	2.31e-03
		2.31e-03	0.37	-6.77e-04	0.0	360.0	-18.10	0.02	-0.25	1.49e-03	0.37	0.06
233	18	0.05	2.48	1.77e-05	0.0	0.0	-24.62	0.01	-0.49	2.91e-03	2.48	0.05
		0.01	0.72	-1.33e-03	0.0	360.0	-22.43	0.01	-0.49	2.91e-03	0.72	0.01
233	24	6.09	2.32	-7.88e-03	0.0	0.0	-20.28	2.67	-0.45	5.73e-03	2.32	-3.63
		-3.63	0.02	-7.18e-04	0.0	360.0	-18.09	2.67	-0.45	5.73e-03	0.02	6.09
233	25	3.66	2.63	7.92e-03	0.0	0.0	-28.96	-2.65	-0.52	8.44e-05	2.63	3.66
		-5.98	1.43	-1.99e-03	0.0	360.0	-26.77	-2.65	-0.52	8.44e-05	1.43	-5.98
233	31	11.10	2.98	-0.01	0.0	0.0	-23.08	4.24	-0.81	4.80e-03	2.98	-4.39
		-4.39	0.74	-1.55e-03	0.0	360.0	-20.89	4.24	-0.81	4.80e-03	0.74	11.10
233	34	4.42	1.97	0.01	0.0	0.0	-26.16	-4.22	-0.16	1.01e-03	1.97	4.42
		-11.00	0.70	-1.11e-03	0.0	360.0	-23.97	-4.22	-0.16	1.01e-03	0.70	-11.00
233	47	3.72	3.59	-3.17e-03	0.0	0.0	-26.39	1.35	-1.12	2.73e-03	3.59	-1.51
		-1.51	1.85	-2.79e-03	0.0	360.0	-24.20	1.35	-1.12	2.73e-03	1.85	3.72
233	48	2.95	1.47	-3.01e-03	0.0	0.0	-21.48	1.20	0.06	4.37e-03	1.47	-1.06
		-1.06	-0.61	4.33e-04	0.0	360.0	-19.29	1.20	0.06	4.37e-03	-0.61	2.95
233	56	4.48	2.34	-5.72e-03	0.0	0.0	-21.37	1.96	-0.45	4.98e-03	2.34	-2.65
		-2.65	0.20	-8.63e-04	0.0	360.0	-19.18	1.96	-0.45	4.98e-03	0.20	4.48
233	57	2.68	2.61	5.76e-03	0.0	0.0	-27.87	-1.94	-0.52	8.36e-04	2.61	2.68
		-4.37	1.25	-1.83e-03	0.0	360.0	-25.68	-1.94	-0.52	8.36e-04	1.25	-4.37
233	63	8.12	2.87	-7.54e-03	0.0	0.0	-23.50	3.10	-0.73	4.27e-03	2.87	-3.24
		-3.24	0.75	-1.51e-03	0.0	360.0	-21.31	3.10	-0.73	4.27e-03	0.75	8.12
233	66	3.27	2.08	7.58e-03	0.0	0.0	-25.74	-3.08	-0.24	1.55e-03	2.08	3.27
		-8.01	0.69	-1.15e-03	0.0	360.0	-23.55	-3.08	-0.24	1.55e-03	0.69	-8.01

233	79	2.78	3.37	-2.30e-03	0.0	0.0	-26.00	0.99	-0.98	2.70e-03	3.37	-1.14
		-1.14	1.60	-2.44e-03	0.0	360.0	-23.80	0.99	-0.98	2.70e-03	1.60	2.78
233	80	2.11	1.66	-2.19e-03	0.0	0.0	-22.23	0.87	-0.06	4.05e-03	1.66	-0.74
		-0.74	-0.30	-2.62e-04	0.0	360.0	-20.04	0.87	-0.06	4.05e-03	-0.30	2.11
233	85	0.36	3.24	-4.04e-05	0.0	0.0	-26.29	0.07	-0.90	2.30e-03	3.24	-0.17
		-0.17	1.57	-2.36e-03	0.0	360.0	-24.10	0.07	-0.90	2.30e-03	1.57	0.36
233	86	0.19	1.71	7.05e-05	0.0	0.0	-22.95	-0.04	-0.08	3.51e-03	1.71	0.19
		-0.25	-0.12	-3.83e-04	0.0	360.0	-20.75	-0.04	-0.08	3.51e-03	-0.12	-0.25
233	92	7.27	2.30	-9.45e-03	0.0	0.0	-19.47	3.20	-0.45	6.28e-03	2.30	-4.35
		-4.35	-0.11	-6.24e-04	0.0	360.0	-17.27	3.20	-0.45	6.28e-03	-0.11	7.27
233	93	4.38	2.65	9.48e-03	0.0	0.0	-29.78	-3.17	-0.53	-4.65e-04	2.65	4.38
		-7.16	1.55	-2.11e-03	0.0	360.0	-27.58	-3.17	-0.53	-4.65e-04	1.55	-7.16
233	99	13.24	3.07	-0.01	0.0	0.0	-22.76	5.06	-0.87	5.18e-03	3.07	-5.23
		-5.23	0.74	-1.58e-03	0.0	360.0	-20.57	5.06	-0.87	5.18e-03	0.74	13.24
233	102	5.26	1.88	0.01	0.0	0.0	-26.48	-5.04	-0.10	6.31e-04	1.88	5.26
		-13.13	0.71	-1.08e-03	0.0	360.0	-24.29	-5.04	-0.10	6.31e-04	0.71	-13.13
233	115	4.41	3.79	-3.78e-03	0.0	0.0	-26.67	1.60	-1.23	2.72e-03	3.79	-1.79
		-1.79	2.04	-3.04e-03	0.0	360.0	-24.48	1.60	-1.23	2.72e-03	2.04	4.41
233	116	3.53	1.30	-3.60e-03	0.0	0.0	-20.94	1.44	0.15	4.63e-03	1.30	-1.28
		-1.28	-0.84	7.10e-04	0.0	360.0	-18.75	1.44	0.15	4.63e-03	-0.84	3.53

Pilas.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-36.25	-20.57	-0.01	0.0	-462.85	-35.23	-35.60	-0.01
	36.22	15.74	0.01	9.72	397.67	35.50	36.08	0.01

Trave	Cmb	M3 mx/mn kN m	M2 mx/mn kN m	D 2 / D 3 m	Q 2 / Q 3 kN	Pos. cm	N kN	V 2 kN	V 3 kN	T kN m	M 2 kN m	M 3 kN m
1	2	0.39	0.0	0.0	-0.73	0.0	22.54	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	21.36	-0.37	0.0	0.0	0.0	0.0
1	3	0.30	0.0	0.0	-0.57	0.0	6.09	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.18	-0.28	0.0	0.0	0.0	0.0
1	9	0.30	0.0	0.0	-0.57	0.0	5.11	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	4.20	-0.28	0.0	0.0	0.0	0.0
1	10	0.30	0.0	0.0	-0.57	0.0	15.45	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	14.54	-0.28	0.0	0.0	0.0	0.0
1	13	0.30	0.0	0.0	-0.57	0.0	3.15	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.25	-0.28	0.0	0.0	0.0	0.0
1	14	0.30	0.0	0.0	-0.57	0.0	8.32	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	7.42	-0.28	0.0	0.0	0.0	0.0
1	17	0.30	0.0	0.0	-0.57	0.0	3.15	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.25	-0.28	0.0	0.0	0.0	0.0
1	18	0.30	0.0	0.0	-0.57	0.0	6.25	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.35	-0.28	0.0	0.0	0.0	0.0
1	19	0.30	0.0	0.0	-0.57	0.0	-5.03	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.93	-0.28	0.0	0.0	0.0	0.0
1	22	0.30	0.0	0.0	-0.57	0.0	17.54	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	16.63	-0.28	0.0	0.0	0.0	0.0
1	51	0.30	0.0	0.0	-0.57	0.0	-2.28	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.18	-0.28	0.0	0.0	0.0	0.0
1	54	0.30	0.0	0.0	-0.57	0.0	14.79	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	13.88	-0.28	0.0	0.0	0.0	0.0
1	83	0.30	0.0	0.0	-0.57	0.0	0.69	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.21	-0.28	0.0	0.0	0.0	0.0
1	84	0.30	0.0	0.0	-0.57	0.0	11.82	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	10.91	-0.28	0.0	0.0	0.0	0.0
1	87	0.30	0.0	0.0	-0.57	0.0	-7.12	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.03	-0.28	0.0	0.0	0.0	0.0
1	90	0.30	0.0	0.0	-0.57	0.0	19.63	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	18.73	-0.28	0.0	0.0	0.0	0.0
2	1	0.39	0.0	0.0	-0.73	0.0	2.14	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.96	-0.37	0.0	0.0	0.0	0.0
2	2	0.39	0.0	0.0	-0.73	0.0	5.24	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	4.07	-0.37	0.0	0.0	0.0	0.0
2	9	0.30	0.0	0.0	-0.57	0.0	1.51	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.60	-0.28	0.0	0.0	0.0	0.0
2	10	0.30	0.0	0.0	-0.57	0.0	3.57	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.67	-0.28	0.0	0.0	0.0	0.0
2	13	0.30	0.0	0.0	-0.57	0.0	0.60	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.30	-0.28	0.0	0.0	0.0	0.0
2	14	0.30	0.0	0.0	-0.57	0.0	1.64	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.73	-0.28	0.0	0.0	0.0	0.0
2	17	0.30	0.0	0.0	-0.57	0.0	0.60	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.30	-0.28	0.0	0.0	0.0	0.0
2	18	0.30	0.0	0.0	-0.57	0.0	1.22	0.28	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	424.5	0.32	-0.28	0.0	0.0	0.0	0.0
2	19	0.30	0.0	0.0	-0.57	0.0	-9.19	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-10.10	-0.28	0.0	0.0	0.0	0.0
2	22	0.30	0.0	0.0	-0.57	0.0	11.64	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	10.73	-0.28	0.0	0.0	0.0	0.0
2	51	0.30	0.0	0.0	-0.57	0.0	-6.53	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-7.43	-0.28	0.0	0.0	0.0	0.0
2	54	0.30	0.0	0.0	-0.57	0.0	8.97	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	8.07	-0.28	0.0	0.0	0.0	0.0
2	83	0.30	0.0	0.0	-0.57	0.0	-1.85	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.75	-0.28	0.0	0.0	0.0	0.0
2	84	0.30	0.0	0.0	-0.57	0.0	4.29	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	3.39	-0.28	0.0	0.0	0.0	0.0
2	87	0.30	0.0	0.0	-0.57	0.0	-11.18	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-12.08	-0.28	0.0	0.0	0.0	0.0
2	90	0.30	0.0	0.0	-0.57	0.0	13.62	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	12.72	-0.28	0.0	0.0	0.0	0.0
3	1	0.39	0.0	0.0	-0.73	0.0	-2.43	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.25	-0.37	0.0	0.0	0.0	0.0
3	6	0.39	0.0	0.0	-0.73	0.0	-4.46	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.28	-0.37	0.0	0.0	0.0	0.0
3	9	0.30	0.0	0.0	-0.57	0.0	-1.66	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.75	-0.28	0.0	0.0	0.0	0.0
3	12	0.30	0.0	0.0	-0.57	0.0	-3.01	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.11	-0.28	0.0	0.0	0.0	0.0
3	13	0.30	0.0	0.0	-0.57	0.0	-0.29	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.61	-0.28	0.0	0.0	0.0	0.0
3	16	0.30	0.0	0.0	-0.57	0.0	-0.94	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.03	-0.28	0.0	0.0	0.0	0.0
3	17	0.30	0.0	0.0	-0.57	0.0	-0.29	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.61	-0.28	0.0	0.0	0.0	0.0
3	18	0.30	0.0	0.0	-0.57	0.0	-0.48	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.42	-0.28	0.0	0.0	0.0	0.0
3	19	0.30	0.0	0.0	-0.57	0.0	11.65	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	12.55	-0.28	0.0	0.0	0.0	0.0
3	22	0.30	0.0	0.0	-0.57	0.0	-12.60	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-11.70	-0.28	0.0	0.0	0.0	0.0
3	51	0.30	0.0	0.0	-0.57	0.0	8.58	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	9.49	-0.28	0.0	0.0	0.0	0.0
3	54	0.30	0.0	0.0	-0.57	0.0	-9.54	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.64	-0.28	0.0	0.0	0.0	0.0
3	83	0.30	0.0	0.0	-0.57	0.0	3.81	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	4.72	-0.28	0.0	0.0	0.0	0.0
3	84	0.30	0.0	0.0	-0.57	0.0	-4.77	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.87	-0.28	0.0	0.0	0.0	0.0
3	87	0.30	0.0	0.0	-0.57	0.0	13.94	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	14.85	-0.28	0.0	0.0	0.0	0.0
3	90	0.30	0.0	0.0	-0.57	0.0	-14.90	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-14.00	-0.28	0.0	0.0	0.0	0.0
4	2	0.39	0.0	0.0	-0.73	0.0	7.05	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.87	-0.37	0.0	0.0	0.0	0.0
4	3	0.30	0.0	0.0	-0.57	0.0	2.12	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.22	-0.28	0.0	0.0	0.0	0.0
4	9	0.30	0.0	0.0	-0.57	0.0	2.03	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.12	-0.28	0.0	0.0	0.0	0.0
4	10	0.30	0.0	0.0	-0.57	0.0	4.94	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	4.04	-0.28	0.0	0.0	0.0	0.0
4	13	0.30	0.0	0.0	-0.57	0.0	1.83	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.93	-0.28	0.0	0.0	0.0	0.0
4	14	0.30	0.0	0.0	-0.57	0.0	3.29	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.38	-0.28	0.0	0.0	0.0	0.0
4	17	0.30	0.0	0.0	-0.57	0.0	1.83	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.93	-0.28	0.0	0.0	0.0	0.0
4	18	0.30	0.0	0.0	-0.57	0.0	2.71	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.80	-0.28	0.0	0.0	0.0	0.0
4	19	0.30	0.0	0.0	-0.57	0.0	-9.10	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-10.00	-0.28	0.0	0.0	0.0	0.0
4	22	0.30	0.0	0.0	-0.57	0.0	14.51	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	13.61	-0.28	0.0	0.0	0.0	0.0
4	51	0.30	0.0	0.0	-0.57	0.0	-6.13	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-7.04	-0.28	0.0	0.0	0.0	0.0
4	54	0.30	0.0	0.0	-0.57	0.0	11.55	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	10.64	-0.28	0.0	0.0	0.0	0.0
4	83	0.30	0.0	0.0	-0.57	0.0	-1.50	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.40	-0.28	0.0	0.0	0.0	0.0

4	84	0.30	0.0	0.0	-0.57	0.0	6.91	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	6.00	-0.28	0.0	0.0	0.0	0.0
4	87	0.30	0.0	0.0	-0.57	0.0	-11.33	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-12.23	-0.28	0.0	0.0	0.0	0.0
4	90	0.30	0.0	0.0	-0.57	0.0	16.74	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	15.84	-0.28	0.0	0.0	0.0	0.0
5	2	0.39	0.0	0.0	-0.73	0.0	3.77	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	4.95	-0.37	0.0	0.0	0.0	0.0
5	5	0.39	0.0	0.0	-0.73	0.0	-3.09	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.92	-0.37	0.0	0.0	0.0	0.0
5	10	0.30	0.0	0.0	-0.57	0.0	2.50	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	3.40	-0.28	0.0	0.0	0.0	0.0
5	11	0.30	0.0	0.0	-0.57	0.0	-2.08	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.18	-0.28	0.0	0.0	0.0	0.0
5	14	0.30	0.0	0.0	-0.57	0.0	1.76	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.66	-0.28	0.0	0.0	0.0	0.0
5	15	0.30	0.0	0.0	-0.57	0.0	-0.53	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.37	-0.28	0.0	0.0	0.0	0.0
5	17	0.30	0.0	0.0	-0.57	0.0	-0.15	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.76	-0.28	0.0	0.0	0.0	0.0
5	18	0.30	0.0	0.0	-0.57	0.0	0.99	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.90	-0.28	0.0	0.0	0.0	0.0
5	19	0.30	0.0	0.0	-0.57	0.0	10.80	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	11.70	-0.28	0.0	0.0	0.0	0.0
5	22	0.30	0.0	0.0	-0.57	0.0	-8.81	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-7.91	-0.28	0.0	0.0	0.0	0.0
5	51	0.30	0.0	0.0	-0.57	0.0	8.32	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	9.22	-0.28	0.0	0.0	0.0	0.0
5	54	0.30	0.0	0.0	-0.57	0.0	-6.33	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.42	-0.28	0.0	0.0	0.0	0.0
5	83	0.30	0.0	0.0	-0.57	0.0	4.39	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.29	-0.28	0.0	0.0	0.0	0.0
5	84	0.30	0.0	0.0	-0.57	0.0	-2.40	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.50	-0.28	0.0	0.0	0.0	0.0
5	87	0.30	0.0	0.0	-0.57	0.0	12.66	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	13.56	-0.28	0.0	0.0	0.0	0.0
5	90	0.30	0.0	0.0	-0.57	0.0	-10.67	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-9.77	-0.28	0.0	0.0	0.0	0.0
6	2	0.39	0.0	0.0	-0.73	0.0	28.42	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	27.25	-0.37	0.0	0.0	0.0	0.0
6	3	0.30	0.0	0.0	-0.57	0.0	6.43	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.53	-0.28	0.0	0.0	0.0	0.0
6	9	0.30	0.0	0.0	-0.57	0.0	6.05	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.14	-0.28	0.0	0.0	0.0	0.0
6	10	0.30	0.0	0.0	-0.57	0.0	19.65	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	18.75	-0.28	0.0	0.0	0.0	0.0
6	13	0.30	0.0	0.0	-0.57	0.0	5.28	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	4.37	-0.28	0.0	0.0	0.0	0.0
6	14	0.30	0.0	0.0	-0.57	0.0	12.08	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	11.17	-0.28	0.0	0.0	0.0	0.0
6	17	0.30	0.0	0.0	-0.57	0.0	5.28	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	4.37	-0.28	0.0	0.0	0.0	0.0
6	18	0.30	0.0	0.0	-0.57	0.0	9.36	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	8.45	-0.28	0.0	0.0	0.0	0.0
6	19	0.30	0.0	0.0	-0.57	0.0	-0.93	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.84	-0.28	0.0	0.0	0.0	0.0
6	22	0.30	0.0	0.0	-0.57	0.0	19.64	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	18.74	-0.28	0.0	0.0	0.0	0.0
6	51	0.30	0.0	0.0	-0.57	0.0	1.66	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.76	-0.28	0.0	0.0	0.0	0.0
6	54	0.30	0.0	0.0	-0.57	0.0	17.05	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	16.15	-0.28	0.0	0.0	0.0	0.0
6	83	0.30	0.0	0.0	-0.57	0.0	5.96	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.06	-0.28	0.0	0.0	0.0	0.0
6	84	0.30	0.0	0.0	-0.57	0.0	12.75	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	11.85	-0.28	0.0	0.0	0.0	0.0
6	87	0.30	0.0	0.0	-0.57	0.0	-2.88	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.78	-0.28	0.0	0.0	0.0	0.0
6	90	0.30	0.0	0.0	-0.57	0.0	21.59	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	20.68	-0.28	0.0	0.0	0.0	0.0
7	2	0.39	0.0	0.0	-0.73	0.0	4.07	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.25	-0.37	0.0	0.0	0.0	0.0
7	7	0.30	0.0	0.0	-0.57	0.0	-6.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.96	-0.28	0.0	0.0	0.0	0.0
7	10	0.30	0.0	0.0	-0.57	0.0	2.79	0.28	0.0	0.0	0.0	0.0

7	11	0.0	0.0	0.0	0.0	424.5	3.70	-0.28	0.0	0.0	0.0	0.0
		0.30	0.0	0.0	-0.57	0.0	-4.38	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.48	-0.28	0.0	0.0	0.0	0.0
7	14	0.30	0.0	0.0	-0.57	0.0	3.18	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	4.08	-0.28	0.0	0.0	0.0	0.0
7	15	0.30	0.0	0.0	-0.57	0.0	-0.41	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.49	-0.28	0.0	0.0	0.0	0.0
7	17	0.30	0.0	0.0	-0.57	0.0	0.58	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.49	-0.28	0.0	0.0	0.0	0.0
7	18	0.30	0.0	0.0	-0.57	0.0	2.14	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	3.04	-0.28	0.0	0.0	0.0	0.0
7	19	0.30	0.0	0.0	-0.57	0.0	14.91	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	15.81	-0.28	0.0	0.0	0.0	0.0
7	22	0.30	0.0	0.0	-0.57	0.0	-10.63	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-9.72	-0.28	0.0	0.0	0.0	0.0
7	51	0.30	0.0	0.0	-0.57	0.0	11.75	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	12.66	-0.28	0.0	0.0	0.0	0.0
7	54	0.30	0.0	0.0	-0.57	0.0	-7.48	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.57	-0.28	0.0	0.0	0.0	0.0
7	83	0.30	0.0	0.0	-0.57	0.0	8.09	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	8.99	-0.28	0.0	0.0	0.0	0.0
7	84	0.30	0.0	0.0	-0.57	0.0	-3.81	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.90	-0.28	0.0	0.0	0.0	0.0
7	87	0.30	0.0	0.0	-0.57	0.0	17.30	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	18.20	-0.28	0.0	0.0	0.0	0.0
7	90	0.30	0.0	0.0	-0.57	0.0	-13.02	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-12.12	-0.28	0.0	0.0	0.0	0.0
8	1	0.39	0.0	0.0	-0.73	0.0	2.59	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.41	-0.37	0.0	0.0	0.0	0.0
8	6	0.39	0.0	0.0	-0.73	0.0	4.98	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	3.80	-0.37	0.0	0.0	0.0	0.0
8	9	0.30	0.0	0.0	-0.57	0.0	1.78	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.87	-0.28	0.0	0.0	0.0	0.0
8	12	0.30	0.0	0.0	-0.57	0.0	3.37	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.46	-0.28	0.0	0.0	0.0	0.0
8	13	0.30	0.0	0.0	-0.57	0.0	0.39	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.51	-0.28	0.0	0.0	0.0	0.0
8	16	0.30	0.0	0.0	-0.57	0.0	1.14	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.23	-0.28	0.0	0.0	0.0	0.0
8	17	0.30	0.0	0.0	-0.57	0.0	0.39	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.51	-0.28	0.0	0.0	0.0	0.0
8	18	0.30	0.0	0.0	-0.57	0.0	0.68	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.23	-0.28	0.0	0.0	0.0	0.0
8	19	0.30	0.0	0.0	-0.57	0.0	-12.07	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-12.98	-0.28	0.0	0.0	0.0	0.0
8	22	0.30	0.0	0.0	-0.57	0.0	13.43	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	12.52	-0.28	0.0	0.0	0.0	0.0
8	51	0.30	0.0	0.0	-0.57	0.0	-8.90	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-9.81	-0.28	0.0	0.0	0.0	0.0
8	54	0.30	0.0	0.0	-0.57	0.0	10.26	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	9.35	-0.28	0.0	0.0	0.0	0.0
8	83	0.30	0.0	0.0	-0.57	0.0	-4.61	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.51	-0.28	0.0	0.0	0.0	0.0
8	84	0.30	0.0	0.0	-0.57	0.0	5.96	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.06	-0.28	0.0	0.0	0.0	0.0
8	87	0.30	0.0	0.0	-0.57	0.0	-14.47	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-15.37	-0.28	0.0	0.0	0.0	0.0
8	90	0.30	0.0	0.0	-0.57	0.0	15.82	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	14.92	-0.28	0.0	0.0	0.0	0.0
9	2	0.39	0.0	0.0	-0.73	0.0	27.06	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	28.23	-0.37	0.0	0.0	0.0	0.0
9	7	0.30	0.0	0.0	-0.57	0.0	1.34	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.24	-0.28	0.0	0.0	0.0	0.0
9	10	0.30	0.0	0.0	-0.57	0.0	18.64	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	19.55	-0.28	0.0	0.0	0.0	0.0
9	11	0.30	0.0	0.0	-0.57	0.0	2.40	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	3.31	-0.28	0.0	0.0	0.0	0.0
9	14	0.30	0.0	0.0	-0.57	0.0	12.23	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	13.13	-0.28	0.0	0.0	0.0	0.0
9	15	0.30	0.0	0.0	-0.57	0.0	4.11	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.01	-0.28	0.0	0.0	0.0	0.0
9	17	0.30	0.0	0.0	-0.57	0.0	4.54	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.44	-0.28	0.0	0.0	0.0	0.0
9	18	0.30	0.0	0.0	-0.57	0.0	9.15	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	10.06	-0.28	0.0	0.0	0.0	0.0

9	19	0.30	0.0	0.0	-0.57	0.0	19.73	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	20.64	-0.28	0.0	0.0	0.0	0.0
9	22	0.30	0.0	0.0	-0.57	0.0	-1.43	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.52	-0.28	0.0	0.0	0.0	0.0
9	51	0.30	0.0	0.0	-0.57	0.0	17.09	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	18.00	-0.28	0.0	0.0	0.0	0.0
9	54	0.30	0.0	0.0	-0.57	0.0	1.21	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.12	-0.28	0.0	0.0	0.0	0.0
9	83	0.30	0.0	0.0	-0.57	0.0	13.68	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	14.58	-0.28	0.0	0.0	0.0	0.0
9	84	0.30	0.0	0.0	-0.57	0.0	4.63	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.53	-0.28	0.0	0.0	0.0	0.0
9	87	0.30	0.0	0.0	-0.57	0.0	21.73	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	22.63	-0.28	0.0	0.0	0.0	0.0
9	90	0.30	0.0	0.0	-0.57	0.0	-3.42	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.52	-0.28	0.0	0.0	0.0	0.0
10	2	0.39	0.0	0.0	-0.73	0.0	-2.81	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.98	-0.37	0.0	0.0	0.0	0.0
10	7	0.30	0.0	0.0	-0.57	0.0	2.56	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.65	-0.28	0.0	0.0	0.0	0.0
10	10	0.30	0.0	0.0	-0.57	0.0	-2.21	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.11	-0.28	0.0	0.0	0.0	0.0
10	11	0.30	0.0	0.0	-0.57	0.0	0.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.04	-0.28	0.0	0.0	0.0	0.0
10	14	0.30	0.0	0.0	-0.57	0.0	-3.39	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-4.29	-0.28	0.0	0.0	0.0	0.0
10	15	0.30	0.0	0.0	-0.57	0.0	-1.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.76	-0.28	0.0	0.0	0.0	0.0
10	17	0.30	0.0	0.0	-0.57	0.0	-2.53	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.44	-0.28	0.0	0.0	0.0	0.0
10	18	0.30	0.0	0.0	-0.57	0.0	-3.05	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.95	-0.28	0.0	0.0	0.0	0.0
10	19	0.30	0.0	0.0	-0.57	0.0	-16.15	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-17.06	-0.28	0.0	0.0	0.0	0.0
10	22	0.30	0.0	0.0	-0.57	0.0	10.06	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	9.15	-0.28	0.0	0.0	0.0	0.0
10	51	0.30	0.0	0.0	-0.57	0.0	-12.90	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-13.80	-0.28	0.0	0.0	0.0	0.0
10	54	0.30	0.0	0.0	-0.57	0.0	6.80	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.90	-0.28	0.0	0.0	0.0	0.0
10	83	0.30	0.0	0.0	-0.57	0.0	-8.78	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-9.69	-0.28	0.0	0.0	0.0	0.0
10	84	0.30	0.0	0.0	-0.57	0.0	2.69	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.78	-0.28	0.0	0.0	0.0	0.0
10	87	0.30	0.0	0.0	-0.57	0.0	-18.62	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-19.52	-0.28	0.0	0.0	0.0	0.0
10	90	0.30	0.0	0.0	-0.57	0.0	12.52	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	11.62	-0.28	0.0	0.0	0.0	0.0
11	2	0.39	0.0	0.0	-0.73	0.0	27.80	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	28.97	-0.37	0.0	0.0	0.0	0.0
11	7	0.30	0.0	0.0	-0.57	0.0	-2.35	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.45	-0.28	0.0	0.0	0.0	0.0
11	10	0.30	0.0	0.0	-0.57	0.0	19.08	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	19.99	-0.28	0.0	0.0	0.0	0.0
11	11	0.30	0.0	0.0	-0.57	0.0	-0.19	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.71	-0.28	0.0	0.0	0.0	0.0
11	14	0.30	0.0	0.0	-0.57	0.0	12.91	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	13.81	-0.28	0.0	0.0	0.0	0.0
11	15	0.30	0.0	0.0	-0.57	0.0	3.27	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	4.18	-0.28	0.0	0.0	0.0	0.0
11	17	0.30	0.0	0.0	-0.57	0.0	4.14	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.04	-0.28	0.0	0.0	0.0	0.0
11	18	0.30	0.0	0.0	-0.57	0.0	9.40	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	10.30	-0.28	0.0	0.0	0.0	0.0
11	35	0.30	0.0	0.0	-0.57	0.0	20.99	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	21.90	-0.28	0.0	0.0	0.0	0.0
11	38	0.30	0.0	0.0	-0.57	0.0	-2.19	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.29	-0.28	0.0	0.0	0.0	0.0
11	67	0.30	0.0	0.0	-0.57	0.0	19.14	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	20.05	-0.28	0.0	0.0	0.0	0.0
11	70	0.30	0.0	0.0	-0.57	0.0	-0.34	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.56	-0.28	0.0	0.0	0.0	0.0
11	83	0.30	0.0	0.0	-0.57	0.0	16.42	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	17.33	-0.28	0.0	0.0	0.0	0.0
11	84	0.30	0.0	0.0	-0.57	0.0	2.37	0.28	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	424.5	3.28	-0.28	0.0	0.0	0.0	0.0
11	87	0.30	0.0	0.0	-0.57	0.0	23.10	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	24.01	-0.28	0.0	0.0	0.0	0.0
11	90	0.30	0.0	0.0	-0.57	0.0	-4.30	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.40	-0.28	0.0	0.0	0.0	0.0
12	4	0.30	0.0	0.0	-0.57	0.0	-2.21	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.30	-0.28	0.0	0.0	0.0	0.0
12	5	0.39	0.0	0.0	-0.73	0.0	-8.94	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-7.77	-0.37	0.0	0.0	0.0	0.0
12	10	0.30	0.0	0.0	-0.57	0.0	-2.26	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.35	-0.28	0.0	0.0	0.0	0.0
12	11	0.30	0.0	0.0	-0.57	0.0	-6.28	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.37	-0.28	0.0	0.0	0.0	0.0
12	14	0.30	0.0	0.0	-0.57	0.0	-1.14	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.23	-0.28	0.0	0.0	0.0	0.0
12	15	0.30	0.0	0.0	-0.57	0.0	-3.14	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.24	-0.28	0.0	0.0	0.0	0.0
12	17	0.30	0.0	0.0	-0.57	0.0	-2.36	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.46	-0.28	0.0	0.0	0.0	0.0
12	18	0.30	0.0	0.0	-0.57	0.0	-1.63	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.72	-0.28	0.0	0.0	0.0	0.0
12	19	0.30	0.0	0.0	-0.57	0.0	11.16	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	12.06	-0.28	0.0	0.0	0.0	0.0
12	22	0.30	0.0	0.0	-0.57	0.0	-14.41	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-13.50	-0.28	0.0	0.0	0.0	0.0
12	51	0.30	0.0	0.0	-0.57	0.0	8.02	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	8.92	-0.28	0.0	0.0	0.0	0.0
12	54	0.30	0.0	0.0	-0.57	0.0	-11.27	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-10.36	-0.28	0.0	0.0	0.0	0.0
12	83	0.30	0.0	0.0	-0.57	0.0	4.32	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.22	-0.28	0.0	0.0	0.0	0.0
12	84	0.30	0.0	0.0	-0.57	0.0	-7.57	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.67	-0.28	0.0	0.0	0.0	0.0
12	87	0.30	0.0	0.0	-0.57	0.0	13.55	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	14.45	-0.28	0.0	0.0	0.0	0.0
12	90	0.30	0.0	0.0	-0.57	0.0	-16.80	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-15.89	-0.28	0.0	0.0	0.0	0.0
13	2	0.22	0.0	0.0	-0.73	0.0	-2.04	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-2.30	-0.37	0.0	0.0	0.0	0.0
13	7	0.17	0.0	0.0	-0.57	0.0	1.96	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.76	-0.28	0.0	0.0	0.0	0.0
13	10	0.17	0.0	0.0	-0.57	0.0	-1.50	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.70	-0.28	0.0	0.0	0.0	0.0
13	11	0.17	0.0	0.0	-0.57	0.0	0.97	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	0.77	-0.28	0.0	0.0	0.0	0.0
13	14	0.17	0.0	0.0	-0.57	0.0	-1.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-2.06	-0.28	0.0	0.0	0.0	0.0
13	15	0.17	0.0	0.0	-0.57	0.0	-0.63	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-0.83	-0.28	0.0	0.0	0.0	0.0
13	17	0.17	0.0	0.0	-0.57	0.0	-1.03	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.23	-0.28	0.0	0.0	0.0	0.0
13	18	0.17	0.0	0.0	-0.57	0.0	-1.53	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.73	-0.28	0.0	0.0	0.0	0.0
13	19	0.17	0.0	0.0	-0.57	0.0	-7.62	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-7.82	-0.28	0.0	0.0	0.0	0.0
13	22	0.17	0.0	0.0	-0.57	0.0	4.57	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	4.37	-0.28	0.0	0.0	0.0	0.0
13	67	0.17	0.0	0.0	-0.57	0.0	-6.20	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-6.40	-0.28	0.0	0.0	0.0	0.0
13	70	0.17	0.0	0.0	-0.57	0.0	3.14	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	2.94	-0.28	0.0	0.0	0.0	0.0
13	83	0.17	0.0	0.0	-0.57	0.0	-4.78	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-4.98	-0.28	0.0	0.0	0.0	0.0
13	84	0.17	0.0	0.0	-0.57	0.0	1.72	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.52	-0.28	0.0	0.0	0.0	0.0
13	87	0.17	0.0	0.0	-0.57	0.0	-8.75	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-8.95	-0.28	0.0	0.0	0.0	0.0
13	90	0.17	0.0	0.0	-0.57	0.0	5.70	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	5.50	-0.28	0.0	0.0	0.0	0.0
14	2	0.22	0.0	0.0	-0.73	0.0	40.22	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	40.48	-0.37	0.0	0.0	0.0	0.0
14	7	0.17	0.0	0.0	-0.57	0.0	2.90	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	3.10	-0.28	0.0	0.0	0.0	0.0
14	10	0.17	0.0	0.0	-0.57	0.0	27.87	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	28.07	-0.28	0.0	0.0	0.0	0.0

14	11	0.17	0.0	0.0	-0.57	0.0	4.57	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	4.77	-0.28	0.0	0.0	0.0	0.0
14	14	0.17	0.0	0.0	-0.57	0.0	18.89	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	19.09	-0.28	0.0	0.0	0.0	0.0
14	15	0.17	0.0	0.0	-0.57	0.0	7.24	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	7.45	-0.28	0.0	0.0	0.0	0.0
14	17	0.17	0.0	0.0	-0.57	0.0	7.91	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	8.11	-0.28	0.0	0.0	0.0	0.0
14	18	0.17	0.0	0.0	-0.57	0.0	14.50	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	14.70	-0.28	0.0	0.0	0.0	0.0
14	35	0.17	0.0	0.0	-0.57	0.0	22.82	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	23.02	-0.28	0.0	0.0	0.0	0.0
14	38	0.17	0.0	0.0	-0.57	0.0	6.18	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	6.38	-0.28	0.0	0.0	0.0	0.0
14	67	0.17	0.0	0.0	-0.57	0.0	21.75	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	21.96	-0.28	0.0	0.0	0.0	0.0
14	70	0.17	0.0	0.0	-0.57	0.0	7.25	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	7.45	-0.28	0.0	0.0	0.0	0.0
14	83	0.17	0.0	0.0	-0.57	0.0	20.01	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	20.21	-0.28	0.0	0.0	0.0	0.0
14	84	0.17	0.0	0.0	-0.57	0.0	8.99	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	9.20	-0.28	0.0	0.0	0.0	0.0
14	103	0.17	0.0	0.0	-0.57	0.0	23.97	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	24.17	-0.28	0.0	0.0	0.0	0.0
14	106	0.17	0.0	0.0	-0.57	0.0	5.03	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	5.23	-0.28	0.0	0.0	0.0	0.0
15	2	0.22	0.0	0.0	-0.73	0.0	1.32	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.59	-0.37	0.0	0.0	0.0	0.0
15	5	0.22	0.0	0.0	-0.73	0.0	-3.33	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-3.07	-0.37	0.0	0.0	0.0	0.0
15	10	0.17	0.0	0.0	-0.57	0.0	0.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.06	-0.28	0.0	0.0	0.0	0.0
15	11	0.17	0.0	0.0	-0.57	0.0	-2.25	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-2.05	-0.28	0.0	0.0	0.0	0.0
15	14	0.17	0.0	0.0	-0.57	0.0	0.95	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.15	-0.28	0.0	0.0	0.0	0.0
15	15	0.17	0.0	0.0	-0.57	0.0	-0.60	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-0.40	-0.28	0.0	0.0	0.0	0.0
15	17	0.17	0.0	0.0	-0.57	0.0	-0.19	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	0.01	-0.28	0.0	0.0	0.0	0.0
15	18	0.17	0.0	0.0	-0.57	0.0	0.50	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	0.70	-0.28	0.0	0.0	0.0	0.0
15	19	0.17	0.0	0.0	-0.57	0.0	6.53	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	6.73	-0.28	0.0	0.0	0.0	0.0
15	22	0.17	0.0	0.0	-0.57	0.0	-5.54	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-5.34	-0.28	0.0	0.0	0.0	0.0
15	67	0.17	0.0	0.0	-0.57	0.0	5.20	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	5.40	-0.28	0.0	0.0	0.0	0.0
15	70	0.17	0.0	0.0	-0.57	0.0	-4.21	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-4.01	-0.28	0.0	0.0	0.0	0.0
15	83	0.17	0.0	0.0	-0.57	0.0	3.79	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	3.99	-0.28	0.0	0.0	0.0	0.0
15	84	0.17	0.0	0.0	-0.57	0.0	-2.80	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-2.60	-0.28	0.0	0.0	0.0	0.0
15	87	0.17	0.0	0.0	-0.57	0.0	7.65	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	7.85	-0.28	0.0	0.0	0.0	0.0
15	90	0.17	0.0	0.0	-0.57	0.0	-6.66	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-6.46	-0.28	0.0	0.0	0.0	0.0
16	4	0.17	0.0	0.0	-0.57	0.0	2.02	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.81	-0.28	0.0	0.0	0.0	0.0
16	5	0.22	0.0	0.0	-0.73	0.0	4.52	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	4.26	-0.37	0.0	0.0	0.0	0.0
16	10	0.17	0.0	0.0	-0.57	0.0	1.74	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.54	-0.28	0.0	0.0	0.0	0.0
16	11	0.17	0.0	0.0	-0.57	0.0	3.17	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	2.97	-0.28	0.0	0.0	0.0	0.0
16	14	0.17	0.0	0.0	-0.57	0.0	0.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	0.66	-0.28	0.0	0.0	0.0	0.0
16	15	0.17	0.0	0.0	-0.57	0.0	1.58	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.37	-0.28	0.0	0.0	0.0	0.0
16	17	0.17	0.0	0.0	-0.57	0.0	1.18	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	0.98	-0.28	0.0	0.0	0.0	0.0
16	18	0.17	0.0	0.0	-0.57	0.0	0.99	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	0.79	-0.28	0.0	0.0	0.0	0.0
16	19	0.17	0.0	0.0	-0.57	0.0	-5.53	0.28	0.0	0.0	0.0	0.0

16	22	0.0	0.0	0.0	0.0	238.8	-5.73	-0.28	0.0	0.0	0.0	0.0
		0.17	0.0	0.0	-0.57	0.0	7.50	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	7.30	-0.28	0.0	0.0	0.0	0.0
16	51	0.17	0.0	0.0	-0.57	0.0	-3.93	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-4.13	-0.28	0.0	0.0	0.0	0.0
16	54	0.17	0.0	0.0	-0.57	0.0	5.90	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	5.70	-0.28	0.0	0.0	0.0	0.0
16	83	0.17	0.0	0.0	-0.57	0.0	-2.05	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-2.25	-0.28	0.0	0.0	0.0	0.0
16	84	0.17	0.0	0.0	-0.57	0.0	4.03	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	3.82	-0.28	0.0	0.0	0.0	0.0
16	87	0.17	0.0	0.0	-0.57	0.0	-6.75	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-6.95	-0.28	0.0	0.0	0.0	0.0
16	90	0.17	0.0	0.0	-0.57	0.0	8.72	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	8.52	-0.28	0.0	0.0	0.0	0.0
17	2	0.39	0.0	0.0	-0.73	0.0	-31.83	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-33.01	-0.37	0.0	0.0	0.0	0.0
17	7	0.30	0.0	0.0	-0.57	0.0	-0.74	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.64	-0.28	0.0	0.0	0.0	0.0
17	10	0.30	0.0	0.0	-0.57	0.0	-22.00	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-22.91	-0.28	0.0	0.0	0.0	0.0
17	11	0.30	0.0	0.0	-0.57	0.0	-2.45	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.35	-0.28	0.0	0.0	0.0	0.0
17	14	0.30	0.0	0.0	-0.57	0.0	-14.96	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-15.86	-0.28	0.0	0.0	0.0	0.0
17	15	0.30	0.0	0.0	-0.57	0.0	-5.18	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.08	-0.28	0.0	0.0	0.0	0.0
17	17	0.30	0.0	0.0	-0.57	0.0	-5.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.77	-0.28	0.0	0.0	0.0	0.0
17	18	0.30	0.0	0.0	-0.57	0.0	-11.32	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-12.22	-0.28	0.0	0.0	0.0	0.0
17	24	0.30	0.0	0.0	-0.57	0.0	-0.20	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.10	-0.28	0.0	0.0	0.0	0.0
17	25	0.30	0.0	0.0	-0.57	0.0	-22.44	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-23.35	-0.28	0.0	0.0	0.0	0.0
17	56	0.30	0.0	0.0	-0.57	0.0	-2.95	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.85	-0.28	0.0	0.0	0.0	0.0
17	57	0.30	0.0	0.0	-0.57	0.0	-19.69	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-20.60	-0.28	0.0	0.0	0.0	0.0
17	85	0.30	0.0	0.0	-0.57	0.0	-16.74	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-17.65	-0.28	0.0	0.0	0.0	0.0
17	86	0.30	0.0	0.0	-0.57	0.0	-5.90	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.80	-0.28	0.0	0.0	0.0	0.0
17	92	0.30	0.0	0.0	-0.57	0.0	1.89	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.99	-0.28	0.0	0.0	0.0	0.0
17	93	0.30	0.0	0.0	-0.57	0.0	-24.53	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-25.44	-0.28	0.0	0.0	0.0	0.0
18	2	0.39	0.0	0.0	-0.73	0.0	-11.05	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-12.23	-0.37	0.0	0.0	0.0	0.0
18	7	0.30	0.0	0.0	-0.57	0.0	0.48	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.43	-0.28	0.0	0.0	0.0	0.0
18	10	0.30	0.0	0.0	-0.57	0.0	-7.66	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.57	-0.28	0.0	0.0	0.0	0.0
18	11	0.30	0.0	0.0	-0.57	0.0	-0.42	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.32	-0.28	0.0	0.0	0.0	0.0
18	14	0.30	0.0	0.0	-0.57	0.0	-5.48	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.38	-0.28	0.0	0.0	0.0	0.0
18	15	0.30	0.0	0.0	-0.57	0.0	-1.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.76	-0.28	0.0	0.0	0.0	0.0
18	17	0.30	0.0	0.0	-0.57	0.0	-2.22	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.12	-0.28	0.0	0.0	0.0	0.0
18	18	0.30	0.0	0.0	-0.57	0.0	-4.17	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.08	-0.28	0.0	0.0	0.0	0.0
18	24	0.30	0.0	0.0	-0.57	0.0	6.48	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.58	-0.28	0.0	0.0	0.0	0.0
18	25	0.30	0.0	0.0	-0.57	0.0	-14.83	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-15.73	-0.28	0.0	0.0	0.0	0.0
18	56	0.30	0.0	0.0	-0.57	0.0	3.76	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.86	-0.28	0.0	0.0	0.0	0.0
18	57	0.30	0.0	0.0	-0.57	0.0	-12.11	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-13.01	-0.28	0.0	0.0	0.0	0.0
18	85	0.30	0.0	0.0	-0.57	0.0	-7.69	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.59	-0.28	0.0	0.0	0.0	0.0
18	86	0.30	0.0	0.0	-0.57	0.0	-0.65	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.56	-0.28	0.0	0.0	0.0	0.0

18	92	0.30	0.0	0.0	-0.57	0.0	8.51	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	7.61	-0.28	0.0	0.0	0.0	0.0
18	93	0.30	0.0	0.0	-0.57	0.0	-16.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-17.76	-0.28	0.0	0.0	0.0	0.0
19	2	0.39	0.0	0.0	-0.73	0.0	-17.26	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-16.08	-0.37	0.0	0.0	0.0	0.0
19	3	0.30	0.0	0.0	-0.57	0.0	-4.53	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.63	-0.28	0.0	0.0	0.0	0.0
19	9	0.30	0.0	0.0	-0.57	0.0	-3.91	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.01	-0.28	0.0	0.0	0.0	0.0
19	10	0.30	0.0	0.0	-0.57	0.0	-11.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-10.96	-0.28	0.0	0.0	0.0	0.0
19	13	0.30	0.0	0.0	-0.57	0.0	-2.67	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.77	-0.28	0.0	0.0	0.0	0.0
19	14	0.30	0.0	0.0	-0.57	0.0	-6.65	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.74	-0.28	0.0	0.0	0.0	0.0
19	17	0.30	0.0	0.0	-0.57	0.0	-2.67	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.77	-0.28	0.0	0.0	0.0	0.0
19	18	0.30	0.0	0.0	-0.57	0.0	-5.06	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-4.15	-0.28	0.0	0.0	0.0	0.0
19	24	0.30	0.0	0.0	-0.57	0.0	-17.07	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-16.16	-0.28	0.0	0.0	0.0	0.0
19	25	0.30	0.0	0.0	-0.57	0.0	6.95	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	7.86	-0.28	0.0	0.0	0.0	0.0
19	56	0.30	0.0	0.0	-0.57	0.0	-13.99	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-13.09	-0.28	0.0	0.0	0.0	0.0
19	57	0.30	0.0	0.0	-0.57	0.0	3.88	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	4.78	-0.28	0.0	0.0	0.0	0.0
19	85	0.30	0.0	0.0	-0.57	0.0	-1.06	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.15	-0.28	0.0	0.0	0.0	0.0
19	86	0.30	0.0	0.0	-0.57	0.0	-9.05	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.15	-0.28	0.0	0.0	0.0	0.0
19	92	0.30	0.0	0.0	-0.57	0.0	-19.36	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-18.46	-0.28	0.0	0.0	0.0	0.0
19	93	0.30	0.0	0.0	-0.57	0.0	9.25	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	10.15	-0.28	0.0	0.0	0.0	0.0
20	2	0.39	0.0	0.0	-0.73	0.0	-7.38	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.55	-0.37	0.0	0.0	0.0	0.0
20	7	0.30	0.0	0.0	-0.57	0.0	0.45	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.46	-0.28	0.0	0.0	0.0	0.0
20	10	0.30	0.0	0.0	-0.57	0.0	-4.99	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.90	-0.28	0.0	0.0	0.0	0.0
20	11	0.30	0.0	0.0	-0.57	0.0	0.11	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.79	-0.28	0.0	0.0	0.0	0.0
20	14	0.30	0.0	0.0	-0.57	0.0	-2.98	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.88	-0.28	0.0	0.0	0.0	0.0
20	15	0.30	0.0	0.0	-0.57	0.0	-0.43	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.33	-0.28	0.0	0.0	0.0	0.0
20	17	0.30	0.0	0.0	-0.57	0.0	-0.56	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.46	-0.28	0.0	0.0	0.0	0.0
20	18	0.30	0.0	0.0	-0.57	0.0	-2.01	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.92	-0.28	0.0	0.0	0.0	0.0
20	24	0.30	0.0	0.0	-0.57	0.0	9.85	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	8.94	-0.28	0.0	0.0	0.0	0.0
20	25	0.30	0.0	0.0	-0.57	0.0	-13.87	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-14.77	-0.28	0.0	0.0	0.0	0.0
20	56	0.30	0.0	0.0	-0.57	0.0	6.87	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.97	-0.28	0.0	0.0	0.0	0.0
20	57	0.30	0.0	0.0	-0.57	0.0	-10.90	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-11.80	-0.28	0.0	0.0	0.0	0.0
20	85	0.30	0.0	0.0	-0.57	0.0	-6.43	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-7.33	-0.28	0.0	0.0	0.0	0.0
20	86	0.30	0.0	0.0	-0.57	0.0	2.41	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.50	-0.28	0.0	0.0	0.0	0.0
20	92	0.30	0.0	0.0	-0.57	0.0	12.09	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	11.18	-0.28	0.0	0.0	0.0	0.0
20	93	0.30	0.0	0.0	-0.57	0.0	-16.11	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-17.01	-0.28	0.0	0.0	0.0	0.0
21	3	0.30	0.0	0.0	-0.57	0.0	-4.20	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.30	-0.28	0.0	0.0	0.0	0.0
21	6	0.39	0.0	0.0	-0.73	0.0	-8.98	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-7.81	-0.37	0.0	0.0	0.0	0.0
21	9	0.30	0.0	0.0	-0.57	0.0	-3.53	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.63	-0.28	0.0	0.0	0.0	0.0
21	12	0.30	0.0	0.0	-0.57	0.0	-6.28	0.28	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	424.5	-5.37	-0.28	0.0	0.0	0.0	0.0
21	13	0.30	0.0	0.0	-0.57	0.0	-2.18	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.28	-0.28	0.0	0.0	0.0	0.0
21	14	0.30	0.0	0.0	-0.57	0.0	-3.51	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.60	-0.28	0.0	0.0	0.0	0.0
21	17	0.30	0.0	0.0	-0.57	0.0	-2.18	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.28	-0.28	0.0	0.0	0.0	0.0
21	18	0.30	0.0	0.0	-0.57	0.0	-2.98	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.07	-0.28	0.0	0.0	0.0	0.0
21	24	0.30	0.0	0.0	-0.57	0.0	-13.12	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-12.22	-0.28	0.0	0.0	0.0	0.0
21	25	0.30	0.0	0.0	-0.57	0.0	7.17	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	8.07	-0.28	0.0	0.0	0.0	0.0
21	56	0.30	0.0	0.0	-0.57	0.0	-10.57	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-9.67	-0.28	0.0	0.0	0.0	0.0
21	57	0.30	0.0	0.0	-0.57	0.0	4.62	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.52	-0.28	0.0	0.0	0.0	0.0
21	85	0.30	0.0	0.0	-0.57	0.0	1.03	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.93	-0.28	0.0	0.0	0.0	0.0
21	86	0.30	0.0	0.0	-0.57	0.0	-6.99	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.08	-0.28	0.0	0.0	0.0	0.0
21	92	0.30	0.0	0.0	-0.57	0.0	-15.04	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-14.14	-0.28	0.0	0.0	0.0	0.0
21	93	0.30	0.0	0.0	-0.57	0.0	9.09	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	9.99	-0.28	0.0	0.0	0.0	0.0
22	2	0.39	0.0	0.0	-0.73	0.0	-23.94	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-25.12	-0.37	0.0	0.0	0.0	0.0
22	7	0.30	0.0	0.0	-0.57	0.0	-1.24	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.15	-0.28	0.0	0.0	0.0	0.0
22	10	0.30	0.0	0.0	-0.57	0.0	-16.42	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-17.32	-0.28	0.0	0.0	0.0	0.0
22	11	0.30	0.0	0.0	-0.57	0.0	-1.97	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.88	-0.28	0.0	0.0	0.0	0.0
22	14	0.30	0.0	0.0	-0.57	0.0	-10.36	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-11.27	-0.28	0.0	0.0	0.0	0.0
22	15	0.30	0.0	0.0	-0.57	0.0	-3.14	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-4.04	-0.28	0.0	0.0	0.0	0.0
22	17	0.30	0.0	0.0	-0.57	0.0	-3.43	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-4.34	-0.28	0.0	0.0	0.0	0.0
22	18	0.30	0.0	0.0	-0.57	0.0	-7.59	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.49	-0.28	0.0	0.0	0.0	0.0
22	24	0.30	0.0	0.0	-0.57	0.0	2.57	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.66	-0.28	0.0	0.0	0.0	0.0
22	25	0.30	0.0	0.0	-0.57	0.0	-17.74	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-18.65	-0.28	0.0	0.0	0.0	0.0
22	56	0.30	0.0	0.0	-0.57	0.0	-0.03	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.94	-0.28	0.0	0.0	0.0	0.0
22	57	0.30	0.0	0.0	-0.57	0.0	-15.15	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-16.05	-0.28	0.0	0.0	0.0	0.0
22	85	0.30	0.0	0.0	-0.57	0.0	-10.93	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-11.84	-0.28	0.0	0.0	0.0	0.0
22	86	0.30	0.0	0.0	-0.57	0.0	-4.25	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.15	-0.28	0.0	0.0	0.0	0.0
22	92	0.30	0.0	0.0	-0.57	0.0	4.50	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	3.60	-0.28	0.0	0.0	0.0	0.0
22	93	0.30	0.0	0.0	-0.57	0.0	-19.68	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-20.59	-0.28	0.0	0.0	0.0	0.0
23	2	0.39	0.0	0.0	-0.73	0.0	-27.54	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-26.36	-0.37	0.0	0.0	0.0	0.0
23	3	0.30	0.0	0.0	-0.57	0.0	-9.26	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.36	-0.28	0.0	0.0	0.0	0.0
23	9	0.30	0.0	0.0	-0.57	0.0	-7.74	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.84	-0.28	0.0	0.0	0.0	0.0
23	10	0.30	0.0	0.0	-0.57	0.0	-18.98	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-18.08	-0.28	0.0	0.0	0.0	0.0
23	13	0.30	0.0	0.0	-0.57	0.0	-4.70	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.79	-0.28	0.0	0.0	0.0	0.0
23	14	0.30	0.0	0.0	-0.57	0.0	-10.32	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-9.41	-0.28	0.0	0.0	0.0	0.0
23	17	0.30	0.0	0.0	-0.57	0.0	-4.70	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.79	-0.28	0.0	0.0	0.0	0.0
23	18	0.30	0.0	0.0	-0.57	0.0	-8.07	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-7.17	-0.28	0.0	0.0	0.0	0.0
23	24	0.30	0.0	0.0	-0.57	0.0	-21.44	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-20.53	-0.28	0.0	0.0	0.0	0.0

23	25	0.30	0.0	0.0	-0.57	0.0	5.30	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	6.20	-0.28	0.0	0.0	0.0	0.0
23	76	0.30	0.0	0.0	-0.57	0.0	-18.18	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-17.27	-0.28	0.0	0.0	0.0	0.0
23	77	0.30	0.0	0.0	-0.57	0.0	2.04	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.94	-0.28	0.0	0.0	0.0	0.0
23	85	0.30	0.0	0.0	-0.57	0.0	-1.07	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.16	-0.28	0.0	0.0	0.0	0.0
23	86	0.30	0.0	0.0	-0.57	0.0	-15.07	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-14.17	-0.28	0.0	0.0	0.0	0.0
23	92	0.30	0.0	0.0	-0.57	0.0	-23.95	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-23.04	-0.28	0.0	0.0	0.0	0.0
23	93	0.30	0.0	0.0	-0.57	0.0	7.80	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	8.71	-0.28	0.0	0.0	0.0	0.0
24	2	0.39	0.0	0.0	-0.73	0.0	-32.41	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-33.59	-0.37	0.0	0.0	0.0	0.0
24	7	0.30	0.0	0.0	-0.57	0.0	-1.37	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.27	-0.28	0.0	0.0	0.0	0.0
24	10	0.30	0.0	0.0	-0.57	0.0	-22.40	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-23.30	-0.28	0.0	0.0	0.0	0.0
24	11	0.30	0.0	0.0	-0.57	0.0	-2.89	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.79	-0.28	0.0	0.0	0.0	0.0
24	14	0.30	0.0	0.0	-0.57	0.0	-15.08	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-15.98	-0.28	0.0	0.0	0.0	0.0
24	15	0.30	0.0	0.0	-0.57	0.0	-5.32	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.23	-0.28	0.0	0.0	0.0	0.0
24	17	0.30	0.0	0.0	-0.57	0.0	-5.93	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.84	-0.28	0.0	0.0	0.0	0.0
24	18	0.30	0.0	0.0	-0.57	0.0	-11.42	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-12.33	-0.28	0.0	0.0	0.0	0.0
24	24	0.30	0.0	0.0	-0.57	0.0	1.95	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.05	-0.28	0.0	0.0	0.0	0.0
24	25	0.30	0.0	0.0	-0.57	0.0	-24.80	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-25.70	-0.28	0.0	0.0	0.0	0.0
24	56	0.30	0.0	0.0	-0.57	0.0	-1.32	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.23	-0.28	0.0	0.0	0.0	0.0
24	57	0.30	0.0	0.0	-0.57	0.0	-21.52	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-22.42	-0.28	0.0	0.0	0.0	0.0
24	85	0.30	0.0	0.0	-0.57	0.0	-17.92	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-18.83	-0.28	0.0	0.0	0.0	0.0
24	86	0.30	0.0	0.0	-0.57	0.0	-4.92	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.82	-0.28	0.0	0.0	0.0	0.0
24	92	0.30	0.0	0.0	-0.57	0.0	4.45	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	3.54	-0.28	0.0	0.0	0.0	0.0
24	93	0.30	0.0	0.0	-0.57	0.0	-27.29	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-28.19	-0.28	0.0	0.0	0.0	0.0
25	2	0.39	0.0	0.0	-0.73	0.0	-21.61	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-20.43	-0.37	0.0	0.0	0.0	0.0
25	3	0.30	0.0	0.0	-0.57	0.0	-5.69	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-4.79	-0.28	0.0	0.0	0.0	0.0
25	9	0.30	0.0	0.0	-0.57	0.0	-4.92	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-4.02	-0.28	0.0	0.0	0.0	0.0
25	10	0.30	0.0	0.0	-0.57	0.0	-14.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-13.95	-0.28	0.0	0.0	0.0	0.0
25	13	0.30	0.0	0.0	-0.57	0.0	-3.39	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.48	-0.28	0.0	0.0	0.0	0.0
25	14	0.30	0.0	0.0	-0.57	0.0	-8.35	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-7.45	-0.28	0.0	0.0	0.0	0.0
25	17	0.30	0.0	0.0	-0.57	0.0	-3.39	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.48	-0.28	0.0	0.0	0.0	0.0
25	18	0.30	0.0	0.0	-0.57	0.0	-6.37	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.46	-0.28	0.0	0.0	0.0	0.0
25	24	0.30	0.0	0.0	-0.57	0.0	-17.52	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-16.62	-0.28	0.0	0.0	0.0	0.0
25	25	0.30	0.0	0.0	-0.57	0.0	4.78	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.69	-0.28	0.0	0.0	0.0	0.0
25	56	0.30	0.0	0.0	-0.57	0.0	-14.77	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-13.87	-0.28	0.0	0.0	0.0	0.0
25	57	0.30	0.0	0.0	-0.57	0.0	2.04	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	2.94	-0.28	0.0	0.0	0.0	0.0
25	85	0.30	0.0	0.0	-0.57	0.0	-1.10	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.20	-0.28	0.0	0.0	0.0	0.0
25	86	0.30	0.0	0.0	-0.57	0.0	-11.63	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-10.73	-0.28	0.0	0.0	0.0	0.0
25	92	0.30	0.0	0.0	-0.57	0.0	-19.61	0.28	0.0	0.0	0.0	0.0

25	93	0.0	0.0	0.0	0.0	424.5	-18.70	-0.28	0.0	0.0	0.0	0.0
		0.30	0.0	0.0	-0.57	0.0	6.87	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	7.78	-0.28	0.0	0.0	0.0	0.0
26	2	0.39	0.0	0.0	-0.73	0.0	-10.76	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-11.93	-0.37	0.0	0.0	0.0	0.0
26	7	0.30	0.0	0.0	-0.57	0.0	1.69	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	0.79	-0.28	0.0	0.0	0.0	0.0
26	10	0.30	0.0	0.0	-0.57	0.0	-7.71	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.61	-0.28	0.0	0.0	0.0	0.0
26	11	0.30	0.0	0.0	-0.57	0.0	-0.22	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.13	-0.28	0.0	0.0	0.0	0.0
26	14	0.30	0.0	0.0	-0.57	0.0	-7.02	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-7.93	-0.28	0.0	0.0	0.0	0.0
26	15	0.30	0.0	0.0	-0.57	0.0	-3.28	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-4.18	-0.28	0.0	0.0	0.0	0.0
26	17	0.30	0.0	0.0	-0.57	0.0	-4.04	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-4.95	-0.28	0.0	0.0	0.0	0.0
26	18	0.30	0.0	0.0	-0.57	0.0	-5.83	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.74	-0.28	0.0	0.0	0.0	0.0
26	24	0.30	0.0	0.0	-0.57	0.0	7.82	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	6.91	-0.28	0.0	0.0	0.0	0.0
26	25	0.30	0.0	0.0	-0.57	0.0	-19.48	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-20.39	-0.28	0.0	0.0	0.0	0.0
26	56	0.30	0.0	0.0	-0.57	0.0	4.46	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	3.55	-0.28	0.0	0.0	0.0	0.0
26	57	0.30	0.0	0.0	-0.57	0.0	-16.12	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-17.03	-0.28	0.0	0.0	0.0	0.0
26	85	0.30	0.0	0.0	-0.57	0.0	-12.57	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-13.48	-0.28	0.0	0.0	0.0	0.0
26	86	0.30	0.0	0.0	-0.57	0.0	0.91	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	3.59e-03	-0.28	0.0	0.0	0.0	0.0
26	92	0.30	0.0	0.0	-0.57	0.0	10.37	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	9.47	-0.28	0.0	0.0	0.0	0.0
26	93	0.30	0.0	0.0	-0.57	0.0	-22.04	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-22.94	-0.28	0.0	0.0	0.0	0.0
27	2	0.39	0.0	0.0	-0.73	0.0	-39.42	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-38.24	-0.37	0.0	0.0	0.0	0.0
27	3	0.30	0.0	0.0	-0.57	0.0	-11.16	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-10.26	-0.28	0.0	0.0	0.0	0.0
27	9	0.30	0.0	0.0	-0.57	0.0	-9.74	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.83	-0.28	0.0	0.0	0.0	0.0
27	10	0.30	0.0	0.0	-0.57	0.0	-27.20	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-26.29	-0.28	0.0	0.0	0.0	0.0
27	13	0.30	0.0	0.0	-0.57	0.0	-6.88	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.97	-0.28	0.0	0.0	0.0	0.0
27	14	0.30	0.0	0.0	-0.57	0.0	-15.61	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-14.70	-0.28	0.0	0.0	0.0	0.0
27	17	0.30	0.0	0.0	-0.57	0.0	-6.88	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-5.97	-0.28	0.0	0.0	0.0	0.0
27	18	0.30	0.0	0.0	-0.57	0.0	-12.11	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-11.21	-0.28	0.0	0.0	0.0	0.0
27	44	0.30	0.0	0.0	-0.57	0.0	-24.61	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-23.71	-0.28	0.0	0.0	0.0	0.0
27	45	0.30	0.0	0.0	-0.57	0.0	0.38	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	1.29	-0.28	0.0	0.0	0.0	0.0
27	76	0.30	0.0	0.0	-0.57	0.0	-22.65	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-21.74	-0.28	0.0	0.0	0.0	0.0
27	77	0.30	0.0	0.0	-0.57	0.0	-1.58	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-0.68	-0.28	0.0	0.0	0.0	0.0
27	85	0.30	0.0	0.0	-0.57	0.0	-4.45	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.55	-0.28	0.0	0.0	0.0	0.0
27	86	0.30	0.0	0.0	-0.57	0.0	-19.78	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-18.87	-0.28	0.0	0.0	0.0	0.0
27	92	0.30	0.0	0.0	-0.57	0.0	-26.52	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-25.62	-0.28	0.0	0.0	0.0	0.0
27	93	0.30	0.0	0.0	-0.57	0.0	2.29	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	3.20	-0.28	0.0	0.0	0.0	0.0
28	4	0.30	0.0	0.0	-0.57	0.0	-5.19	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-4.29	-0.28	0.0	0.0	0.0	0.0
28	5	0.39	0.0	0.0	-0.73	0.0	-10.16	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.98	-0.37	0.0	0.0	0.0	0.0
28	10	0.30	0.0	0.0	-0.57	0.0	-4.40	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-3.50	-0.28	0.0	0.0	0.0	0.0
28	11	0.30	0.0	0.0	-0.57	0.0	-7.15	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-6.24	-0.28	0.0	0.0	0.0	0.0

28	14	0.30	0.0	0.0	-0.57	0.0	-2.32	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.42	-0.28	0.0	0.0	0.0	0.0
28	15	0.30	0.0	0.0	-0.57	0.0	-3.69	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-2.79	-0.28	0.0	0.0	0.0	0.0
28	17	0.30	0.0	0.0	-0.57	0.0	-2.83	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.92	-0.28	0.0	0.0	0.0	0.0
28	18	0.30	0.0	0.0	-0.57	0.0	-2.52	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-1.62	-0.28	0.0	0.0	0.0	0.0
28	24	0.30	0.0	0.0	-0.57	0.0	-15.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-14.96	-0.28	0.0	0.0	0.0	0.0
28	25	0.30	0.0	0.0	-0.57	0.0	10.82	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	11.72	-0.28	0.0	0.0	0.0	0.0
28	56	0.30	0.0	0.0	-0.57	0.0	-12.60	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-11.69	-0.28	0.0	0.0	0.0	0.0
28	57	0.30	0.0	0.0	-0.57	0.0	7.55	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	8.46	-0.28	0.0	0.0	0.0	0.0
28	85	0.30	0.0	0.0	-0.57	0.0	4.38	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	5.28	-0.28	0.0	0.0	0.0	0.0
28	86	0.30	0.0	0.0	-0.57	0.0	-9.42	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-8.52	-0.28	0.0	0.0	0.0	0.0
28	92	0.30	0.0	0.0	-0.57	0.0	-18.35	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	-17.45	-0.28	0.0	0.0	0.0	0.0
28	93	0.30	0.0	0.0	-0.57	0.0	13.31	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	424.5	14.21	-0.28	0.0	0.0	0.0	0.0
29	2	0.22	0.0	0.0	-0.73	0.0	-1.61	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.87	-0.37	0.0	0.0	0.0	0.0
29	7	0.17	0.0	0.0	-0.57	0.0	2.24	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	2.04	-0.28	0.0	0.0	0.0	0.0
29	10	0.17	0.0	0.0	-0.57	0.0	-1.21	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.41	-0.28	0.0	0.0	0.0	0.0
29	11	0.17	0.0	0.0	-0.57	0.0	1.16	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	0.96	-0.28	0.0	0.0	0.0	0.0
29	14	0.17	0.0	0.0	-0.57	0.0	-1.75	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.95	-0.28	0.0	0.0	0.0	0.0
29	15	0.17	0.0	0.0	-0.57	0.0	-0.57	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-0.77	-0.28	0.0	0.0	0.0	0.0
29	17	0.17	0.0	0.0	-0.57	0.0	-1.00	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.20	-0.28	0.0	0.0	0.0	0.0
29	18	0.17	0.0	0.0	-0.57	0.0	-1.45	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.65	-0.28	0.0	0.0	0.0	0.0
29	24	0.17	0.0	0.0	-0.57	0.0	4.78	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	4.58	-0.28	0.0	0.0	0.0	0.0
29	25	0.17	0.0	0.0	-0.57	0.0	-7.68	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-7.88	-0.28	0.0	0.0	0.0	0.0
29	76	0.17	0.0	0.0	-0.57	0.0	3.43	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	3.23	-0.28	0.0	0.0	0.0	0.0
29	77	0.17	0.0	0.0	-0.57	0.0	-6.33	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-6.53	-0.28	0.0	0.0	0.0	0.0
29	85	0.17	0.0	0.0	-0.57	0.0	-4.87	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-5.07	-0.28	0.0	0.0	0.0	0.0
29	86	0.17	0.0	0.0	-0.57	0.0	1.98	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.77	-0.28	0.0	0.0	0.0	0.0
29	92	0.17	0.0	0.0	-0.57	0.0	5.94	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	5.74	-0.28	0.0	0.0	0.0	0.0
29	93	0.17	0.0	0.0	-0.57	0.0	-8.84	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-9.04	-0.28	0.0	0.0	0.0	0.0
30	2	0.22	0.0	0.0	-0.73	0.0	-19.58	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-19.32	-0.37	0.0	0.0	0.0	0.0
30	3	0.17	0.0	0.0	-0.57	0.0	-5.41	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-5.21	-0.28	0.0	0.0	0.0	0.0
30	9	0.17	0.0	0.0	-0.57	0.0	-4.23	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-4.03	-0.28	0.0	0.0	0.0	0.0
30	10	0.17	0.0	0.0	-0.57	0.0	-13.30	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-13.10	-0.28	0.0	0.0	0.0	0.0
30	13	0.17	0.0	0.0	-0.57	0.0	-1.88	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.67	-0.28	0.0	0.0	0.0	0.0
30	14	0.17	0.0	0.0	-0.57	0.0	-6.41	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-6.21	-0.28	0.0	0.0	0.0	0.0
30	17	0.17	0.0	0.0	-0.57	0.0	-1.88	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.67	-0.28	0.0	0.0	0.0	0.0
30	18	0.17	0.0	0.0	-0.57	0.0	-4.60	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-4.40	-0.28	0.0	0.0	0.0	0.0
30	44	0.17	0.0	0.0	-0.57	0.0	-13.12	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-12.92	-0.28	0.0	0.0	0.0	0.0
30	45	0.17	0.0	0.0	-0.57	0.0	3.93	0.28	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	238.8	4.13	-0.28	0.0	0.0	0.0	0.0
30	76	0.17	0.0	0.0	-0.57	0.0	-11.92	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-11.72	-0.28	0.0	0.0	0.0	0.0
30	77	0.17	0.0	0.0	-0.57	0.0	2.73	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	2.93	-0.28	0.0	0.0	0.0	0.0
30	85	0.17	0.0	0.0	-0.57	0.0	0.86	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.06	-0.28	0.0	0.0	0.0	0.0
30	86	0.17	0.0	0.0	-0.57	0.0	-10.05	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-9.85	-0.28	0.0	0.0	0.0	0.0
30	112	0.17	0.0	0.0	-0.57	0.0	-14.35	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-14.15	-0.28	0.0	0.0	0.0	0.0
30	113	0.17	0.0	0.0	-0.57	0.0	5.16	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	5.36	-0.28	0.0	0.0	0.0	0.0
31	3	0.17	0.0	0.0	-0.57	0.0	-3.23	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-3.03	-0.28	0.0	0.0	0.0	0.0
31	6	0.22	0.0	0.0	-0.73	0.0	-6.01	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-5.75	-0.37	0.0	0.0	0.0	0.0
31	9	0.17	0.0	0.0	-0.57	0.0	-2.56	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-2.36	-0.28	0.0	0.0	0.0	0.0
31	12	0.17	0.0	0.0	-0.57	0.0	-4.17	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-3.97	-0.28	0.0	0.0	0.0	0.0
31	13	0.17	0.0	0.0	-0.57	0.0	-1.23	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.03	-0.28	0.0	0.0	0.0	0.0
31	16	0.17	0.0	0.0	-0.57	0.0	-1.98	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.78	-0.28	0.0	0.0	0.0	0.0
31	17	0.17	0.0	0.0	-0.57	0.0	-1.23	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.03	-0.28	0.0	0.0	0.0	0.0
31	18	0.17	0.0	0.0	-0.57	0.0	-1.54	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-1.34	-0.28	0.0	0.0	0.0	0.0
31	24	0.17	0.0	0.0	-0.57	0.0	-7.74	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-7.54	-0.28	0.0	0.0	0.0	0.0
31	25	0.17	0.0	0.0	-0.57	0.0	4.66	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	4.86	-0.28	0.0	0.0	0.0	0.0
31	76	0.17	0.0	0.0	-0.57	0.0	-6.51	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-6.31	-0.28	0.0	0.0	0.0	0.0
31	77	0.17	0.0	0.0	-0.57	0.0	3.43	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	3.63	-0.28	0.0	0.0	0.0	0.0
31	85	0.17	0.0	0.0	-0.57	0.0	1.98	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	2.18	-0.28	0.0	0.0	0.0	0.0
31	86	0.17	0.0	0.0	-0.57	0.0	-5.06	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-4.86	-0.28	0.0	0.0	0.0	0.0
31	92	0.17	0.0	0.0	-0.57	0.0	-8.89	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-8.69	-0.28	0.0	0.0	0.0	0.0
31	93	0.17	0.0	0.0	-0.57	0.0	5.81	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	6.01	-0.28	0.0	0.0	0.0	0.0
32	4	0.17	0.0	0.0	-0.57	0.0	1.52	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.32	-0.28	0.0	0.0	0.0	0.0
32	5	0.22	0.0	0.0	-0.73	0.0	4.67	0.37	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	4.40	-0.37	0.0	0.0	0.0	0.0
32	10	0.17	0.0	0.0	-0.57	0.0	1.37	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.17	-0.28	0.0	0.0	0.0	0.0
32	11	0.17	0.0	0.0	-0.57	0.0	3.25	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	3.05	-0.28	0.0	0.0	0.0	0.0
32	14	0.17	0.0	0.0	-0.57	0.0	0.57	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	0.36	-0.28	0.0	0.0	0.0	0.0
32	15	0.17	0.0	0.0	-0.57	0.0	1.51	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	1.30	-0.28	0.0	0.0	0.0	0.0
32	17	0.17	0.0	0.0	-0.57	0.0	1.07	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	0.87	-0.28	0.0	0.0	0.0	0.0
32	18	0.17	0.0	0.0	-0.57	0.0	0.77	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	0.57	-0.28	0.0	0.0	0.0	0.0
32	24	0.17	0.0	0.0	-0.57	0.0	7.54	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	7.34	-0.28	0.0	0.0	0.0	0.0
32	25	0.17	0.0	0.0	-0.57	0.0	-6.00	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-6.21	-0.28	0.0	0.0	0.0	0.0
32	56	0.17	0.0	0.0	-0.57	0.0	5.88	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	5.68	-0.28	0.0	0.0	0.0	0.0
32	57	0.17	0.0	0.0	-0.57	0.0	-4.35	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-4.55	-0.28	0.0	0.0	0.0	0.0
32	85	0.17	0.0	0.0	-0.57	0.0	-2.71	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-2.91	-0.28	0.0	0.0	0.0	0.0
32	86	0.17	0.0	0.0	-0.57	0.0	4.25	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	4.05	-0.28	0.0	0.0	0.0	0.0
32	92	0.17	0.0	0.0	-0.57	0.0	8.80	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	8.60	-0.28	0.0	0.0	0.0	0.0

32	93	0.17	0.0	0.0	-0.57	0.0	-7.27	0.28	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	238.8	-7.47	-0.28	0.0	0.0	0.0	0.0
33	3	0.09	0.0	0.0	-0.26	0.0	-0.67	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.79	-0.13	0.0	0.0	0.0	0.0
33	6	0.12	0.0	0.0	-0.34	0.0	-1.20	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.37	-0.17	0.0	0.0	0.0	0.0
33	9	0.09	0.0	0.0	-0.26	0.0	-0.51	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.64	-0.13	0.0	0.0	0.0	0.0
33	12	0.09	0.0	0.0	-0.26	0.0	-0.83	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.96	-0.13	0.0	0.0	0.0	0.0
33	13	0.09	0.0	0.0	-0.26	0.0	-0.20	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.32	-0.13	0.0	0.0	0.0	0.0
33	16	0.09	0.0	0.0	-0.26	0.0	-0.35	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.47	-0.13	0.0	0.0	0.0	0.0
33	17	0.09	0.0	0.0	-0.26	0.0	-0.20	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.32	-0.13	0.0	0.0	0.0	0.0
33	18	0.09	0.0	0.0	-0.26	0.0	-0.24	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.37	-0.13	0.0	0.0	0.0	0.0
33	28	0.09	0.0	0.0	-0.26	0.0	-20.72	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.85	-0.13	0.0	0.0	0.0	0.0
33	29	0.09	0.0	0.0	-0.26	0.0	20.23	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	20.11	-0.13	0.0	0.0	0.0	0.0
33	64	0.09	0.0	0.0	-0.26	0.0	-15.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.32	-0.13	0.0	0.0	0.0	0.0
33	65	0.09	0.0	0.0	-0.26	0.0	14.71	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.58	-0.13	0.0	0.0	0.0	0.0
33	85	0.09	0.0	0.0	-0.26	0.0	0.97	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.85	-0.13	0.0	0.0	0.0	0.0
33	86	0.09	0.0	0.0	-0.26	0.0	-1.46	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.59	-0.13	0.0	0.0	0.0	0.0
33	96	0.09	0.0	0.0	-0.26	0.0	-24.68	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.81	-0.13	0.0	0.0	0.0	0.0
33	97	0.09	0.0	0.0	-0.26	0.0	24.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	24.07	-0.13	0.0	0.0	0.0	0.0
34	3	0.09	0.0	0.0	-0.26	0.0	0.48	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.61	-0.13	0.0	0.0	0.0	0.0
34	6	0.12	0.0	0.0	-0.34	0.0	0.95	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.11	-0.17	0.0	0.0	0.0	0.0
34	9	0.09	0.0	0.0	-0.26	0.0	0.36	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.48	-0.13	0.0	0.0	0.0	0.0
34	12	0.09	0.0	0.0	-0.26	0.0	0.64	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.77	-0.13	0.0	0.0	0.0	0.0
34	13	0.09	0.0	0.0	-0.26	0.0	0.11	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.23	-0.13	0.0	0.0	0.0	0.0
34	16	0.09	0.0	0.0	-0.26	0.0	0.24	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.37	-0.13	0.0	0.0	0.0	0.0
34	17	0.09	0.0	0.0	-0.26	0.0	0.11	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.23	-0.13	0.0	0.0	0.0	0.0
34	18	0.09	0.0	0.0	-0.26	0.0	0.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.28	-0.13	0.0	0.0	0.0	0.0
34	32	0.09	0.0	0.0	-0.26	0.0	21.42	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	21.55	-0.13	0.0	0.0	0.0	0.0
34	33	0.09	0.0	0.0	-0.26	0.0	-21.11	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.98	-0.13	0.0	0.0	0.0	0.0
34	64	0.09	0.0	0.0	-0.26	0.0	15.69	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	15.82	-0.13	0.0	0.0	0.0	0.0
34	65	0.09	0.0	0.0	-0.26	0.0	-15.38	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.25	-0.13	0.0	0.0	0.0	0.0
34	85	0.09	0.0	0.0	-0.26	0.0	-1.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.06	-0.13	0.0	0.0	0.0	0.0
34	86	0.09	0.0	0.0	-0.26	0.0	1.50	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.63	-0.13	0.0	0.0	0.0	0.0
34	100	0.09	0.0	0.0	-0.26	0.0	25.53	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	25.65	-0.13	0.0	0.0	0.0	0.0
34	101	0.09	0.0	0.0	-0.26	0.0	-25.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-25.09	-0.13	0.0	0.0	0.0	0.0
35	3	0.09	0.0	0.0	-0.26	0.0	0.41	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.54	-0.13	0.0	0.0	0.0	0.0
35	6	0.12	0.0	0.0	-0.34	0.0	0.83	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.99	-0.17	0.0	0.0	0.0	0.0
35	9	0.09	0.0	0.0	-0.26	0.0	0.30	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.42	-0.13	0.0	0.0	0.0	0.0
35	12	0.09	0.0	0.0	-0.26	0.0	0.56	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.69	-0.13	0.0	0.0	0.0	0.0
35	13	0.09	0.0	0.0	-0.26	0.0	0.07	0.13	0.0	0.0	0.0	0.0

35	16	0.0	0.0	0.0	0.0	274.6	0.20	-0.13	0.0	0.0	0.0	0.0
		0.09	0.0	0.0	-0.26	0.0	0.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.32	-0.13	0.0	0.0	0.0	0.0
35	17	0.09	0.0	0.0	-0.26	0.0	0.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.20	-0.13	0.0	0.0	0.0	0.0
35	18	0.09	0.0	0.0	-0.26	0.0	0.12	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.24	-0.13	0.0	0.0	0.0	0.0
35	28	0.09	0.0	0.0	-0.26	0.0	21.00	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	21.13	-0.13	0.0	0.0	0.0	0.0
35	29	0.09	0.0	0.0	-0.26	0.0	-20.76	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.64	-0.13	0.0	0.0	0.0	0.0
35	60	0.09	0.0	0.0	-0.26	0.0	15.34	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	15.47	-0.13	0.0	0.0	0.0	0.0
35	61	0.09	0.0	0.0	-0.26	0.0	-15.11	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-14.98	-0.13	0.0	0.0	0.0	0.0
35	83	0.09	0.0	0.0	-0.26	0.0	-0.92	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.79	-0.13	0.0	0.0	0.0	0.0
35	84	0.09	0.0	0.0	-0.26	0.0	1.15	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.28	-0.13	0.0	0.0	0.0	0.0
35	96	0.09	0.0	0.0	-0.26	0.0	25.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	25.17	-0.13	0.0	0.0	0.0	0.0
35	97	0.09	0.0	0.0	-0.26	0.0	-24.81	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.68	-0.13	0.0	0.0	0.0	0.0
36	3	0.09	0.0	0.0	-0.26	0.0	-0.76	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.89	-0.13	0.0	0.0	0.0	0.0
36	6	0.12	0.0	0.0	-0.34	0.0	-1.37	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.53	-0.17	0.0	0.0	0.0	0.0
36	9	0.09	0.0	0.0	-0.26	0.0	-0.58	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.70	-0.13	0.0	0.0	0.0	0.0
36	12	0.09	0.0	0.0	-0.26	0.0	-0.94	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.07	-0.13	0.0	0.0	0.0	0.0
36	13	0.09	0.0	0.0	-0.26	0.0	-0.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.34	-0.13	0.0	0.0	0.0	0.0
36	16	0.09	0.0	0.0	-0.26	0.0	-0.39	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.51	-0.13	0.0	0.0	0.0	0.0
36	17	0.09	0.0	0.0	-0.26	0.0	-0.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.34	-0.13	0.0	0.0	0.0	0.0
36	18	0.09	0.0	0.0	-0.26	0.0	-0.27	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.39	-0.13	0.0	0.0	0.0	0.0
36	28	0.09	0.0	0.0	-0.26	0.0	-20.73	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.86	-0.13	0.0	0.0	0.0	0.0
36	29	0.09	0.0	0.0	-0.26	0.0	20.20	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	20.08	-0.13	0.0	0.0	0.0	0.0
36	60	0.09	0.0	0.0	-0.26	0.0	-15.18	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.31	-0.13	0.0	0.0	0.0	0.0
36	61	0.09	0.0	0.0	-0.26	0.0	14.65	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.53	-0.13	0.0	0.0	0.0	0.0
36	83	0.09	0.0	0.0	-0.26	0.0	0.89	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.77	-0.13	0.0	0.0	0.0	0.0
36	84	0.09	0.0	0.0	-0.26	0.0	-1.43	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.55	-0.13	0.0	0.0	0.0	0.0
36	96	0.09	0.0	0.0	-0.26	0.0	-24.69	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.82	-0.13	0.0	0.0	0.0	0.0
36	97	0.09	0.0	0.0	-0.26	0.0	24.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	24.04	-0.13	0.0	0.0	0.0	0.0
37	3	0.09	0.0	0.0	-0.26	0.0	0.92	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.05	-0.13	0.0	0.0	0.0	0.0
37	6	0.12	0.0	0.0	-0.34	0.0	1.75	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.91	-0.17	0.0	0.0	0.0	0.0
37	9	0.09	0.0	0.0	-0.26	0.0	0.64	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.76	-0.13	0.0	0.0	0.0	0.0
37	12	0.09	0.0	0.0	-0.26	0.0	1.17	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.30	-0.13	0.0	0.0	0.0	0.0
37	13	0.09	0.0	0.0	-0.26	0.0	0.06	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.19	-0.13	0.0	0.0	0.0	0.0
37	16	0.09	0.0	0.0	-0.26	0.0	0.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.45	-0.13	0.0	0.0	0.0	0.0
37	17	0.09	0.0	0.0	-0.26	0.0	0.06	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.19	-0.13	0.0	0.0	0.0	0.0
37	18	0.09	0.0	0.0	-0.26	0.0	0.13	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.25	-0.13	0.0	0.0	0.0	0.0
37	28	0.09	0.0	0.0	-0.26	0.0	21.58	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	21.70	-0.13	0.0	0.0	0.0	0.0
37	29	0.09	0.0	0.0	-0.26	0.0	-21.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-21.19	-0.13	0.0	0.0	0.0	0.0

37	60	0.09	0.0	0.0	-0.26	0.0	15.79	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	15.91	-0.13	0.0	0.0	0.0	0.0
37	61	0.09	0.0	0.0	-0.26	0.0	-15.53	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.40	-0.13	0.0	0.0	0.0	0.0
37	83	0.09	0.0	0.0	-0.26	0.0	-1.45	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.32	-0.13	0.0	0.0	0.0	0.0
37	84	0.09	0.0	0.0	-0.26	0.0	1.71	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.83	-0.13	0.0	0.0	0.0	0.0
37	96	0.09	0.0	0.0	-0.26	0.0	25.72	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	25.84	-0.13	0.0	0.0	0.0	0.0
37	97	0.09	0.0	0.0	-0.26	0.0	-25.46	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-25.34	-0.13	0.0	0.0	0.0	0.0
38	2	0.12	0.0	0.0	-0.34	0.0	-0.18	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.34	-0.17	0.0	0.0	0.0	0.0
38	7	0.09	0.0	0.0	-0.26	0.0	0.25	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.13	-0.13	0.0	0.0	0.0	0.0
38	10	0.09	0.0	0.0	-0.26	0.0	-0.15	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.27	-0.13	0.0	0.0	0.0	0.0
38	11	0.09	0.0	0.0	-0.26	0.0	0.09	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.03	-0.13	0.0	0.0	0.0	0.0
38	14	0.09	0.0	0.0	-0.26	0.0	-0.28	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.41	-0.13	0.0	0.0	0.0	0.0
38	15	0.09	0.0	0.0	-0.26	0.0	-0.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.29	-0.13	0.0	0.0	0.0	0.0
38	17	0.09	0.0	0.0	-0.26	0.0	-0.22	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.35	-0.13	0.0	0.0	0.0	0.0
38	18	0.09	0.0	0.0	-0.26	0.0	-0.26	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.39	-0.13	0.0	0.0	0.0	0.0
38	31	0.09	0.0	0.0	-0.26	0.0	-20.73	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.86	-0.13	0.0	0.0	0.0	0.0
38	34	0.09	0.0	0.0	-0.26	0.0	20.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	20.09	-0.13	0.0	0.0	0.0	0.0
38	63	0.09	0.0	0.0	-0.26	0.0	-15.24	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.36	-0.13	0.0	0.0	0.0	0.0
38	66	0.09	0.0	0.0	-0.26	0.0	14.72	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.59	-0.13	0.0	0.0	0.0	0.0
38	85	0.09	0.0	0.0	-0.26	0.0	-1.73	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.85	-0.13	0.0	0.0	0.0	0.0
38	86	0.09	0.0	0.0	-0.26	0.0	1.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.08	-0.13	0.0	0.0	0.0	0.0
38	99	0.09	0.0	0.0	-0.26	0.0	-24.68	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.81	-0.13	0.0	0.0	0.0	0.0
38	102	0.09	0.0	0.0	-0.26	0.0	24.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	24.03	-0.13	0.0	0.0	0.0	0.0
39	2	0.12	0.0	0.0	-0.34	0.0	-1.62	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.46	-0.17	0.0	0.0	0.0	0.0
39	5	0.12	0.0	0.0	-0.34	0.0	-2.68	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.51	-0.17	0.0	0.0	0.0	0.0
39	10	0.09	0.0	0.0	-0.26	0.0	-1.09	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.96	-0.13	0.0	0.0	0.0	0.0
39	11	0.09	0.0	0.0	-0.26	0.0	-1.79	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.67	-0.13	0.0	0.0	0.0	0.0
39	14	0.09	0.0	0.0	-0.26	0.0	-0.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.09	-0.13	0.0	0.0	0.0	0.0
39	15	0.09	0.0	0.0	-0.26	0.0	-0.39	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.27	-0.13	0.0	0.0	0.0	0.0
39	17	0.09	0.0	0.0	-0.26	0.0	-0.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.08	-0.13	0.0	0.0	0.0	0.0
39	18	0.09	0.0	0.0	-0.26	0.0	-0.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.08	-0.13	0.0	0.0	0.0	0.0
39	31	0.09	0.0	0.0	-0.26	0.0	21.72	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	21.85	-0.13	0.0	0.0	0.0	0.0
39	34	0.09	0.0	0.0	-0.26	0.0	-21.81	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-21.68	-0.13	0.0	0.0	0.0	0.0
39	63	0.09	0.0	0.0	-0.26	0.0	15.97	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	16.09	-0.13	0.0	0.0	0.0	0.0
39	66	0.09	0.0	0.0	-0.26	0.0	-16.05	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.92	-0.13	0.0	0.0	0.0	0.0
39	85	0.09	0.0	0.0	-0.26	0.0	2.91	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.04	-0.13	0.0	0.0	0.0	0.0
39	86	0.09	0.0	0.0	-0.26	0.0	-2.99	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.87	-0.13	0.0	0.0	0.0	0.0
39	99	0.09	0.0	0.0	-0.26	0.0	25.89	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	26.01	-0.13	0.0	0.0	0.0	0.0
39	102	0.09	0.0	0.0	-0.26	0.0	-25.97	0.13	0.0	0.0	0.0	0.0

40	2	0.0	0.0	0.0	0.0	274.6	-25.84	-0.13	0.0	0.0	0.0	0.0
		0.12	0.0	0.0	-0.34	0.0	2.32	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.15	-0.17	0.0	0.0	0.0	0.0
40	7	0.09	0.0	0.0	-0.26	0.0	4.33	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	4.20	-0.13	0.0	0.0	0.0	0.0
40	10	0.09	0.0	0.0	-0.26	0.0	1.51	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.39	-0.13	0.0	0.0	0.0	0.0
40	11	0.09	0.0	0.0	-0.26	0.0	2.80	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.68	-0.13	0.0	0.0	0.0	0.0
40	14	0.09	0.0	0.0	-0.26	0.0	-0.28	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.41	-0.13	0.0	0.0	0.0	0.0
40	15	0.09	0.0	0.0	-0.26	0.0	0.36	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.24	-0.13	0.0	0.0	0.0	0.0
40	17	0.09	0.0	0.0	-0.26	0.0	-0.25	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.38	-0.13	0.0	0.0	0.0	0.0
40	18	0.09	0.0	0.0	-0.26	0.0	-0.27	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.40	-0.13	0.0	0.0	0.0	0.0
40	27	0.09	0.0	0.0	-0.26	0.0	-20.49	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.61	-0.13	0.0	0.0	0.0	0.0
40	30	0.09	0.0	0.0	-0.26	0.0	19.95	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	19.82	-0.13	0.0	0.0	0.0	0.0
40	59	0.09	0.0	0.0	-0.26	0.0	-15.17	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.30	-0.13	0.0	0.0	0.0	0.0
40	62	0.09	0.0	0.0	-0.26	0.0	14.63	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.51	-0.13	0.0	0.0	0.0	0.0
40	83	0.09	0.0	0.0	-0.26	0.0	-3.86	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-3.98	-0.13	0.0	0.0	0.0	0.0
40	84	0.09	0.0	0.0	-0.26	0.0	3.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.19	-0.13	0.0	0.0	0.0	0.0
40	95	0.09	0.0	0.0	-0.26	0.0	-24.33	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.46	-0.13	0.0	0.0	0.0	0.0
40	98	0.09	0.0	0.0	-0.26	0.0	23.79	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	23.67	-0.13	0.0	0.0	0.0	0.0
41	2	0.12	0.0	0.0	-0.34	0.0	-2.54	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.38	-0.17	0.0	0.0	0.0	0.0
41	5	0.12	0.0	0.0	-0.34	0.0	-4.21	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-4.04	-0.17	0.0	0.0	0.0	0.0
41	10	0.09	0.0	0.0	-0.26	0.0	-1.70	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.58	-0.13	0.0	0.0	0.0	0.0
41	11	0.09	0.0	0.0	-0.26	0.0	-2.81	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.69	-0.13	0.0	0.0	0.0	0.0
41	14	0.09	0.0	0.0	-0.26	0.0	-0.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.06	-0.13	0.0	0.0	0.0	0.0
41	15	0.09	0.0	0.0	-0.26	0.0	-0.62	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.49	-0.13	0.0	0.0	0.0	0.0
41	17	0.09	0.0	0.0	-0.26	0.0	-0.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.05	-0.13	0.0	0.0	0.0	0.0
41	18	0.09	0.0	0.0	-0.26	0.0	-0.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.06	-0.13	0.0	0.0	0.0	0.0
41	31	0.09	0.0	0.0	-0.26	0.0	23.57	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	23.69	-0.13	0.0	0.0	0.0	0.0
41	34	0.09	0.0	0.0	-0.26	0.0	-23.71	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-23.58	-0.13	0.0	0.0	0.0	0.0
41	63	0.09	0.0	0.0	-0.26	0.0	17.38	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	17.51	-0.13	0.0	0.0	0.0	0.0
41	66	0.09	0.0	0.0	-0.26	0.0	-17.52	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-17.39	-0.13	0.0	0.0	0.0	0.0
41	85	0.09	0.0	0.0	-0.26	0.0	4.37	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	4.50	-0.13	0.0	0.0	0.0	0.0
41	86	0.09	0.0	0.0	-0.26	0.0	-4.51	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-4.38	-0.13	0.0	0.0	0.0	0.0
41	99	0.09	0.0	0.0	-0.26	0.0	28.06	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	28.19	-0.13	0.0	0.0	0.0	0.0
41	102	0.09	0.0	0.0	-0.26	0.0	-28.20	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-28.07	-0.13	0.0	0.0	0.0	0.0
42	1	0.12	0.0	0.0	-0.34	0.0	1.81	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.65	-0.17	0.0	0.0	0.0	0.0
42	8	0.09	0.0	0.0	-0.26	0.0	3.33	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.21	-0.13	0.0	0.0	0.0	0.0
42	9	0.09	0.0	0.0	-0.26	0.0	1.17	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.05	-0.13	0.0	0.0	0.0	0.0
42	12	0.09	0.0	0.0	-0.26	0.0	2.14	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.01	-0.13	0.0	0.0	0.0	0.0
42	13	0.09	0.0	0.0	-0.26	0.0	-0.25	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.38	-0.13	0.0	0.0	0.0	0.0

42	16	0.09	0.0	0.0	-0.26	0.0	0.23	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.10	-0.13	0.0	0.0	0.0	0.0
42	17	0.09	0.0	0.0	-0.26	0.0	-0.25	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.38	-0.13	0.0	0.0	0.0	0.0
42	18	0.09	0.0	0.0	-0.26	0.0	-0.25	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.37	-0.13	0.0	0.0	0.0	0.0
42	31	0.09	0.0	0.0	-0.26	0.0	-21.06	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-21.19	-0.13	0.0	0.0	0.0	0.0
42	34	0.09	0.0	0.0	-0.26	0.0	20.57	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	20.44	-0.13	0.0	0.0	0.0	0.0
42	63	0.09	0.0	0.0	-0.26	0.0	-15.63	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.75	-0.13	0.0	0.0	0.0	0.0
42	66	0.09	0.0	0.0	-0.26	0.0	15.13	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	15.00	-0.13	0.0	0.0	0.0	0.0
42	85	0.09	0.0	0.0	-0.26	0.0	-4.35	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-4.48	-0.13	0.0	0.0	0.0	0.0
42	86	0.09	0.0	0.0	-0.26	0.0	3.86	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.73	-0.13	0.0	0.0	0.0	0.0
42	99	0.09	0.0	0.0	-0.26	0.0	-25.01	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-25.14	-0.13	0.0	0.0	0.0	0.0
42	102	0.09	0.0	0.0	-0.26	0.0	24.52	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	24.39	-0.13	0.0	0.0	0.0	0.0
43	3	0.09	0.0	0.0	-0.26	0.0	-2.28	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.16	-0.13	0.0	0.0	0.0	0.0
43	6	0.12	0.0	0.0	-0.34	0.0	-4.11	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-3.95	-0.17	0.0	0.0	0.0	0.0
43	9	0.09	0.0	0.0	-0.26	0.0	-1.59	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.47	-0.13	0.0	0.0	0.0	0.0
43	12	0.09	0.0	0.0	-0.26	0.0	-2.77	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.64	-0.13	0.0	0.0	0.0	0.0
43	13	0.09	0.0	0.0	-0.26	0.0	-0.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.09	-0.13	0.0	0.0	0.0	0.0
43	16	0.09	0.0	0.0	-0.26	0.0	-0.78	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.66	-0.13	0.0	0.0	0.0	0.0
43	17	0.09	0.0	0.0	-0.26	0.0	-0.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.09	-0.13	0.0	0.0	0.0	0.0
43	18	0.09	0.0	0.0	-0.26	0.0	-0.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.20	-0.13	0.0	0.0	0.0	0.0
43	31	0.09	0.0	0.0	-0.26	0.0	22.78	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	22.90	-0.13	0.0	0.0	0.0	0.0
43	34	0.09	0.0	0.0	-0.26	0.0	-23.42	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-23.30	-0.13	0.0	0.0	0.0	0.0
43	63	0.09	0.0	0.0	-0.26	0.0	16.76	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	16.89	-0.13	0.0	0.0	0.0	0.0
43	66	0.09	0.0	0.0	-0.26	0.0	-17.41	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-17.28	-0.13	0.0	0.0	0.0	0.0
43	85	0.09	0.0	0.0	-0.26	0.0	4.42	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	4.55	-0.13	0.0	0.0	0.0	0.0
43	86	0.09	0.0	0.0	-0.26	0.0	-5.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-4.95	-0.13	0.0	0.0	0.0	0.0
43	99	0.09	0.0	0.0	-0.26	0.0	27.15	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	27.28	-0.13	0.0	0.0	0.0	0.0
43	102	0.09	0.0	0.0	-0.26	0.0	-27.80	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-27.68	-0.13	0.0	0.0	0.0	0.0
44	2	0.12	0.0	0.0	-0.34	0.0	1.06	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.89	-0.17	0.0	0.0	0.0	0.0
44	7	0.09	0.0	0.0	-0.26	0.0	3.95	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.82	-0.13	0.0	0.0	0.0	0.0
44	10	0.09	0.0	0.0	-0.26	0.0	0.64	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.51	-0.13	0.0	0.0	0.0	0.0
44	11	0.09	0.0	0.0	-0.26	0.0	2.47	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.35	-0.13	0.0	0.0	0.0	0.0
44	14	0.09	0.0	0.0	-0.26	0.0	-0.80	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.93	-0.13	0.0	0.0	0.0	0.0
44	15	0.09	0.0	0.0	-0.26	0.0	0.11	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.02	-0.13	0.0	0.0	0.0	0.0
44	17	0.09	0.0	0.0	-0.26	0.0	-0.48	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.61	-0.13	0.0	0.0	0.0	0.0
44	18	0.09	0.0	0.0	-0.26	0.0	-0.67	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.80	-0.13	0.0	0.0	0.0	0.0
44	31	0.09	0.0	0.0	-0.26	0.0	-21.77	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-21.90	-0.13	0.0	0.0	0.0	0.0
44	34	0.09	0.0	0.0	-0.26	0.0	20.42	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	20.30	-0.13	0.0	0.0	0.0	0.0
44	63	0.09	0.0	0.0	-0.26	0.0	-16.31	0.13	0.0	0.0	0.0	0.0

44	66	0.0	0.0	0.0	0.0	274.6	-16.44	-0.13	0.0	0.0	0.0	0.0
		0.09	0.0	0.0	-0.26	0.0	14.96	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.84	-0.13	0.0	0.0	0.0	0.0
44	85	0.09	0.0	0.0	-0.26	0.0	-5.69	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-5.82	-0.13	0.0	0.0	0.0	0.0
44	86	0.09	0.0	0.0	-0.26	0.0	4.34	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	4.22	-0.13	0.0	0.0	0.0	0.0
44	99	0.09	0.0	0.0	-0.26	0.0	-25.76	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-25.89	-0.13	0.0	0.0	0.0	0.0
44	102	0.09	0.0	0.0	-0.26	0.0	24.41	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	24.28	-0.13	0.0	0.0	0.0	0.0
45	2	0.12	0.0	0.0	-0.34	0.0	-0.68	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.52	-0.17	0.0	0.0	0.0	0.0
45	7	0.09	0.0	0.0	-0.26	0.0	-5.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-5.06	-0.13	0.0	0.0	0.0	0.0
45	10	0.09	0.0	0.0	-0.26	0.0	-0.42	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.29	-0.13	0.0	0.0	0.0	0.0
45	11	0.09	0.0	0.0	-0.26	0.0	-3.37	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-3.24	-0.13	0.0	0.0	0.0	0.0
45	14	0.09	0.0	0.0	-0.26	0.0	1.02	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.15	-0.13	0.0	0.0	0.0	0.0
45	15	0.09	0.0	0.0	-0.26	0.0	-0.45	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.33	-0.13	0.0	0.0	0.0	0.0
45	17	0.09	0.0	0.0	-0.26	0.0	0.27	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.40	-0.13	0.0	0.0	0.0	0.0
45	18	0.09	0.0	0.0	-0.26	0.0	0.72	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.85	-0.13	0.0	0.0	0.0	0.0
45	31	0.09	0.0	0.0	-0.26	0.0	25.06	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	25.19	-0.13	0.0	0.0	0.0	0.0
45	34	0.09	0.0	0.0	-0.26	0.0	-23.62	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-23.49	-0.13	0.0	0.0	0.0	0.0
45	63	0.09	0.0	0.0	-0.26	0.0	18.76	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	18.89	-0.13	0.0	0.0	0.0	0.0
45	66	0.09	0.0	0.0	-0.26	0.0	-17.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-17.19	-0.13	0.0	0.0	0.0	0.0
45	85	0.09	0.0	0.0	-0.26	0.0	6.58	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	6.71	-0.13	0.0	0.0	0.0	0.0
45	86	0.09	0.0	0.0	-0.26	0.0	-5.14	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-5.01	-0.13	0.0	0.0	0.0	0.0
45	99	0.09	0.0	0.0	-0.26	0.0	29.66	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	29.79	-0.13	0.0	0.0	0.0	0.0
45	102	0.09	0.0	0.0	-0.26	0.0	-28.22	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-28.09	-0.13	0.0	0.0	0.0	0.0
46	2	0.12	0.0	0.0	-0.34	0.0	-1.86	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.03	-0.17	0.0	0.0	0.0	0.0
46	7	0.09	0.0	0.0	-0.26	0.0	5.25	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	5.12	-0.13	0.0	0.0	0.0	0.0
46	10	0.09	0.0	0.0	-0.26	0.0	-1.41	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.53	-0.13	0.0	0.0	0.0	0.0
46	11	0.09	0.0	0.0	-0.26	0.0	3.09	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.96	-0.13	0.0	0.0	0.0	0.0
46	14	0.09	0.0	0.0	-0.26	0.0	-2.62	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.75	-0.13	0.0	0.0	0.0	0.0
46	15	0.09	0.0	0.0	-0.26	0.0	-0.38	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.50	-0.13	0.0	0.0	0.0	0.0
46	17	0.09	0.0	0.0	-0.26	0.0	-1.24	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.37	-0.13	0.0	0.0	0.0	0.0
46	18	0.09	0.0	0.0	-0.26	0.0	-2.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.20	-0.13	0.0	0.0	0.0	0.0
46	31	0.09	0.0	0.0	-0.26	0.0	-21.31	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-21.43	-0.13	0.0	0.0	0.0	0.0
46	34	0.09	0.0	0.0	-0.26	0.0	17.17	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	17.04	-0.13	0.0	0.0	0.0	0.0
46	63	0.09	0.0	0.0	-0.26	0.0	-16.41	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-16.53	-0.13	0.0	0.0	0.0	0.0
46	66	0.09	0.0	0.0	-0.26	0.0	12.26	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	12.14	-0.13	0.0	0.0	0.0	0.0
46	85	0.09	0.0	0.0	-0.26	0.0	-8.26	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-8.38	-0.13	0.0	0.0	0.0	0.0
46	86	0.09	0.0	0.0	-0.26	0.0	4.11	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.99	-0.13	0.0	0.0	0.0	0.0
46	99	0.09	0.0	0.0	-0.26	0.0	-24.91	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-25.04	-0.13	0.0	0.0	0.0	0.0
46	102	0.09	0.0	0.0	-0.26	0.0	20.77	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	20.64	-0.13	0.0	0.0	0.0	0.0

47	2	0.12	0.0	0.0	-0.34	0.0	0.79	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.96	-0.17	0.0	0.0	0.0	0.0
47	7	0.09	0.0	0.0	-0.26	0.0	-5.47	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-5.34	-0.13	0.0	0.0	0.0	0.0
47	10	0.09	0.0	0.0	-0.26	0.0	0.64	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.76	-0.13	0.0	0.0	0.0	0.0
47	11	0.09	0.0	0.0	-0.26	0.0	-3.38	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-3.25	-0.13	0.0	0.0	0.0	0.0
47	14	0.09	0.0	0.0	-0.26	0.0	1.97	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.10	-0.13	0.0	0.0	0.0	0.0
47	15	0.09	0.0	0.0	-0.26	0.0	-0.03	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.09	-0.13	0.0	0.0	0.0	0.0
47	17	0.09	0.0	0.0	-0.26	0.0	0.80	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.93	-0.13	0.0	0.0	0.0	0.0
47	18	0.09	0.0	0.0	-0.26	0.0	1.51	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.63	-0.13	0.0	0.0	0.0	0.0
47	31	0.09	0.0	0.0	-0.26	0.0	25.10	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	25.22	-0.13	0.0	0.0	0.0	0.0
47	34	0.09	0.0	0.0	-0.26	0.0	-22.09	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-21.96	-0.13	0.0	0.0	0.0	0.0
47	63	0.09	0.0	0.0	-0.26	0.0	19.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	19.16	-0.13	0.0	0.0	0.0	0.0
47	66	0.09	0.0	0.0	-0.26	0.0	-16.03	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.90	-0.13	0.0	0.0	0.0	0.0
47	85	0.09	0.0	0.0	-0.26	0.0	8.15	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	8.27	-0.13	0.0	0.0	0.0	0.0
47	86	0.09	0.0	0.0	-0.26	0.0	-5.13	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-5.01	-0.13	0.0	0.0	0.0	0.0
47	99	0.09	0.0	0.0	-0.26	0.0	29.53	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	29.66	-0.13	0.0	0.0	0.0	0.0
47	102	0.09	0.0	0.0	-0.26	0.0	-26.52	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-26.40	-0.13	0.0	0.0	0.0	0.0
48	2	0.12	0.0	0.0	-0.34	0.0	-0.65	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.81	-0.17	0.0	0.0	0.0	0.0
48	7	0.09	0.0	0.0	-0.26	0.0	5.35	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	5.22	-0.13	0.0	0.0	0.0	0.0
48	10	0.09	0.0	0.0	-0.26	0.0	-0.53	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.66	-0.13	0.0	0.0	0.0	0.0
48	11	0.09	0.0	0.0	-0.26	0.0	3.31	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.18	-0.13	0.0	0.0	0.0	0.0
48	14	0.09	0.0	0.0	-0.26	0.0	-1.88	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.00	-0.13	0.0	0.0	0.0	0.0
48	15	0.09	0.0	0.0	-0.26	0.0	0.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.08	-0.13	0.0	0.0	0.0	0.0
48	17	0.09	0.0	0.0	-0.26	0.0	-0.77	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.90	-0.13	0.0	0.0	0.0	0.0
48	18	0.09	0.0	0.0	-0.26	0.0	-1.43	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.56	-0.13	0.0	0.0	0.0	0.0
48	31	0.09	0.0	0.0	-0.26	0.0	-25.67	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-25.80	-0.13	0.0	0.0	0.0	0.0
48	34	0.09	0.0	0.0	-0.26	0.0	22.80	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	22.68	-0.13	0.0	0.0	0.0	0.0
48	63	0.09	0.0	0.0	-0.26	0.0	-19.43	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-19.56	-0.13	0.0	0.0	0.0	0.0
48	66	0.09	0.0	0.0	-0.26	0.0	16.56	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	16.44	-0.13	0.0	0.0	0.0	0.0
48	85	0.09	0.0	0.0	-0.26	0.0	-7.98	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-8.11	-0.13	0.0	0.0	0.0	0.0
48	86	0.09	0.0	0.0	-0.26	0.0	5.11	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	4.99	-0.13	0.0	0.0	0.0	0.0
48	99	0.09	0.0	0.0	-0.26	0.0	-30.24	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-30.36	-0.13	0.0	0.0	0.0	0.0
48	102	0.09	0.0	0.0	-0.26	0.0	27.37	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	27.24	-0.13	0.0	0.0	0.0	0.0
49	2	0.12	0.0	0.0	-0.34	0.0	-0.20	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.36	-0.17	0.0	0.0	0.0	0.0
49	7	0.09	0.0	0.0	-0.26	0.0	0.51	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.39	-0.13	0.0	0.0	0.0	0.0
49	10	0.09	0.0	0.0	-0.26	0.0	-0.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.29	-0.13	0.0	0.0	0.0	0.0
49	11	0.09	0.0	0.0	-0.26	0.0	0.27	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.14	-0.13	0.0	0.0	0.0	0.0
49	14	0.09	0.0	0.0	-0.26	0.0	-0.34	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.46	-0.13	0.0	0.0	0.0	0.0
49	15	0.09	0.0	0.0	-0.26	0.0	-0.12	0.13	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	274.6	-0.25	-0.13	0.0	0.0	0.0	0.0
49	17	0.09	0.0	0.0	-0.26	0.0	-0.22	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.34	-0.13	0.0	0.0	0.0	0.0
49	18	0.09	0.0	0.0	-0.26	0.0	-0.29	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.42	-0.13	0.0	0.0	0.0	0.0
49	27	0.09	0.0	0.0	-0.26	0.0	19.76	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	19.63	-0.13	0.0	0.0	0.0	0.0
49	30	0.09	0.0	0.0	-0.26	0.0	-20.33	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.46	-0.13	0.0	0.0	0.0	0.0
49	59	0.09	0.0	0.0	-0.26	0.0	14.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.19	-0.13	0.0	0.0	0.0	0.0
49	62	0.09	0.0	0.0	-0.26	0.0	-14.89	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.02	-0.13	0.0	0.0	0.0	0.0
49	83	0.09	0.0	0.0	-0.26	0.0	0.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.04	-0.13	0.0	0.0	0.0	0.0
49	84	0.09	0.0	0.0	-0.26	0.0	-0.74	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.87	-0.13	0.0	0.0	0.0	0.0
49	95	0.09	0.0	0.0	-0.26	0.0	23.64	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	23.51	-0.13	0.0	0.0	0.0	0.0
49	98	0.09	0.0	0.0	-0.26	0.0	-24.22	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.35	-0.13	0.0	0.0	0.0	0.0
50	2	0.12	0.0	0.0	-0.34	0.0	-0.03	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.13	-0.17	0.0	0.0	0.0	0.0
50	7	0.09	0.0	0.0	-0.26	0.0	-0.86	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.74	-0.13	0.0	0.0	0.0	0.0
50	10	0.09	0.0	0.0	-0.26	0.0	-2.50e-03	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.12	-0.13	0.0	0.0	0.0	0.0
50	11	0.09	0.0	0.0	-0.26	0.0	-0.53	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.41	-0.13	0.0	0.0	0.0	0.0
50	14	0.09	0.0	0.0	-0.26	0.0	0.26	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.39	-0.13	0.0	0.0	0.0	0.0
50	15	0.09	0.0	0.0	-0.26	0.0	-1.61e-03	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.12	-0.13	0.0	0.0	0.0	0.0
50	17	0.09	0.0	0.0	-0.26	0.0	0.13	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.26	-0.13	0.0	0.0	0.0	0.0
50	18	0.09	0.0	0.0	-0.26	0.0	0.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.34	-0.13	0.0	0.0	0.0	0.0
50	27	0.09	0.0	0.0	-0.26	0.0	-20.87	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.74	-0.13	0.0	0.0	0.0	0.0
50	30	0.09	0.0	0.0	-0.26	0.0	21.29	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	21.42	-0.13	0.0	0.0	0.0	0.0
50	59	0.09	0.0	0.0	-0.26	0.0	-15.15	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.03	-0.13	0.0	0.0	0.0	0.0
50	62	0.09	0.0	0.0	-0.26	0.0	15.57	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	15.70	-0.13	0.0	0.0	0.0	0.0
50	83	0.09	0.0	0.0	-0.26	0.0	-0.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.19	-0.13	0.0	0.0	0.0	0.0
50	84	0.09	0.0	0.0	-0.26	0.0	0.74	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.87	-0.13	0.0	0.0	0.0	0.0
50	95	0.09	0.0	0.0	-0.26	0.0	-24.95	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.83	-0.13	0.0	0.0	0.0	0.0
50	98	0.09	0.0	0.0	-0.26	0.0	25.37	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	25.50	-0.13	0.0	0.0	0.0	0.0
51	2	0.12	0.0	0.0	-0.34	0.0	-0.02	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.14	-0.17	0.0	0.0	0.0	0.0
51	7	0.09	0.0	0.0	-0.26	0.0	-0.75	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.62	-0.13	0.0	0.0	0.0	0.0
51	10	0.09	0.0	0.0	-0.26	0.0	-3.16e-03	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.12	-0.13	0.0	0.0	0.0	0.0
51	11	0.09	0.0	0.0	-0.26	0.0	-0.47	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.34	-0.13	0.0	0.0	0.0	0.0
51	14	0.09	0.0	0.0	-0.26	0.0	0.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.34	-0.13	0.0	0.0	0.0	0.0
51	15	0.09	0.0	0.0	-0.26	0.0	-0.02	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.11	-0.13	0.0	0.0	0.0	0.0
51	17	0.09	0.0	0.0	-0.26	0.0	0.09	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.22	-0.13	0.0	0.0	0.0	0.0
51	18	0.09	0.0	0.0	-0.26	0.0	0.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.29	-0.13	0.0	0.0	0.0	0.0
51	32	0.09	0.0	0.0	-0.26	0.0	-20.63	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.51	-0.13	0.0	0.0	0.0	0.0
51	33	0.09	0.0	0.0	-0.26	0.0	20.96	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	21.09	-0.13	0.0	0.0	0.0	0.0
51	64	0.09	0.0	0.0	-0.26	0.0	-15.03	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-14.90	-0.13	0.0	0.0	0.0	0.0

51	65	0.09	0.0	0.0	-0.26	0.0	15.35	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	15.48	-0.13	0.0	0.0	0.0	0.0
51	85	0.09	0.0	0.0	-0.26	0.0	1.18	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.31	-0.13	0.0	0.0	0.0	0.0
51	86	0.09	0.0	0.0	-0.26	0.0	-0.86	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.73	-0.13	0.0	0.0	0.0	0.0
51	100	0.09	0.0	0.0	-0.26	0.0	-24.65	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.52	-0.13	0.0	0.0	0.0	0.0
51	101	0.09	0.0	0.0	-0.26	0.0	24.98	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	25.10	-0.13	0.0	0.0	0.0	0.0
52	2	0.12	0.0	0.0	-0.34	0.0	-0.16	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.32	-0.17	0.0	0.0	0.0	0.0
52	7	0.09	0.0	0.0	-0.26	0.0	0.66	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.53	-0.13	0.0	0.0	0.0	0.0
52	10	0.09	0.0	0.0	-0.26	0.0	-0.14	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.26	-0.13	0.0	0.0	0.0	0.0
52	11	0.09	0.0	0.0	-0.26	0.0	0.36	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.23	-0.13	0.0	0.0	0.0	0.0
52	14	0.09	0.0	0.0	-0.26	0.0	-0.37	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.49	-0.13	0.0	0.0	0.0	0.0
52	15	0.09	0.0	0.0	-0.26	0.0	-0.12	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.24	-0.13	0.0	0.0	0.0	0.0
52	17	0.09	0.0	0.0	-0.26	0.0	-0.24	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.36	-0.13	0.0	0.0	0.0	0.0
52	18	0.09	0.0	0.0	-0.26	0.0	-0.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.44	-0.13	0.0	0.0	0.0	0.0
52	32	0.09	0.0	0.0	-0.26	0.0	20.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	20.07	-0.13	0.0	0.0	0.0	0.0
52	33	0.09	0.0	0.0	-0.26	0.0	-20.82	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.95	-0.13	0.0	0.0	0.0	0.0
52	64	0.09	0.0	0.0	-0.26	0.0	14.66	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.53	-0.13	0.0	0.0	0.0	0.0
52	65	0.09	0.0	0.0	-0.26	0.0	-15.29	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.42	-0.13	0.0	0.0	0.0	0.0
52	85	0.09	0.0	0.0	-0.26	0.0	-1.26	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.39	-0.13	0.0	0.0	0.0	0.0
52	86	0.09	0.0	0.0	-0.26	0.0	0.63	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.50	-0.13	0.0	0.0	0.0	0.0
52	100	0.09	0.0	0.0	-0.26	0.0	24.15	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	24.03	-0.13	0.0	0.0	0.0	0.0
52	101	0.09	0.0	0.0	-0.26	0.0	-24.78	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.91	-0.13	0.0	0.0	0.0	0.0
53	2	0.12	0.0	0.0	-0.34	0.0	-0.05	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.11	-0.17	0.0	0.0	0.0	0.0
53	7	0.09	0.0	0.0	-0.26	0.0	-0.78	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.65	-0.13	0.0	0.0	0.0	0.0
53	10	0.09	0.0	0.0	-0.26	0.0	-0.02	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.10	-0.13	0.0	0.0	0.0	0.0
53	11	0.09	0.0	0.0	-0.26	0.0	-0.50	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.37	-0.13	0.0	0.0	0.0	0.0
53	14	0.09	0.0	0.0	-0.26	0.0	0.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.32	-0.13	0.0	0.0	0.0	0.0
53	15	0.09	0.0	0.0	-0.26	0.0	-0.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.08	-0.13	0.0	0.0	0.0	0.0
53	17	0.09	0.0	0.0	-0.26	0.0	0.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.20	-0.13	0.0	0.0	0.0	0.0
53	18	0.09	0.0	0.0	-0.26	0.0	0.14	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.27	-0.13	0.0	0.0	0.0	0.0
53	28	0.09	0.0	0.0	-0.26	0.0	-21.13	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-21.00	-0.13	0.0	0.0	0.0	0.0
53	29	0.09	0.0	0.0	-0.26	0.0	21.41	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	21.54	-0.13	0.0	0.0	0.0	0.0
53	60	0.09	0.0	0.0	-0.26	0.0	-15.44	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.31	-0.13	0.0	0.0	0.0	0.0
53	61	0.09	0.0	0.0	-0.26	0.0	15.72	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	15.85	-0.13	0.0	0.0	0.0	0.0
53	83	0.09	0.0	0.0	-0.26	0.0	1.94	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.07	-0.13	0.0	0.0	0.0	0.0
53	84	0.09	0.0	0.0	-0.26	0.0	-1.66	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.53	-0.13	0.0	0.0	0.0	0.0
53	96	0.09	0.0	0.0	-0.26	0.0	-25.22	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-25.09	-0.13	0.0	0.0	0.0	0.0
53	97	0.09	0.0	0.0	-0.26	0.0	25.50	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	25.63	-0.13	0.0	0.0	0.0	0.0
54	2	0.12	0.0	0.0	-0.34	0.0	-0.20	0.17	0.0	0.0	0.0	0.0

54	7	0.0	0.0	0.0	0.0	274.6	-0.37	-0.17	0.0	0.0	0.0	0.0
		0.09	0.0	0.0	-0.26	0.0	0.61	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.48	-0.13	0.0	0.0	0.0	0.0
54	10	0.09	0.0	0.0	-0.26	0.0	-0.17	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.30	-0.13	0.0	0.0	0.0	0.0
54	11	0.09	0.0	0.0	-0.26	0.0	0.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.19	-0.13	0.0	0.0	0.0	0.0
54	14	0.09	0.0	0.0	-0.26	0.0	-0.39	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.52	-0.13	0.0	0.0	0.0	0.0
54	15	0.09	0.0	0.0	-0.26	0.0	-0.15	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.27	-0.13	0.0	0.0	0.0	0.0
54	17	0.09	0.0	0.0	-0.26	0.0	-0.26	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.39	-0.13	0.0	0.0	0.0	0.0
54	18	0.09	0.0	0.0	-0.26	0.0	-0.34	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.47	-0.13	0.0	0.0	0.0	0.0
54	28	0.09	0.0	0.0	-0.26	0.0	19.97	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	19.84	-0.13	0.0	0.0	0.0	0.0
54	29	0.09	0.0	0.0	-0.26	0.0	-20.65	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.78	-0.13	0.0	0.0	0.0	0.0
54	60	0.09	0.0	0.0	-0.26	0.0	14.54	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.41	-0.13	0.0	0.0	0.0	0.0
54	61	0.09	0.0	0.0	-0.26	0.0	-15.22	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.35	-0.13	0.0	0.0	0.0	0.0
54	83	0.09	0.0	0.0	-0.26	0.0	-2.09	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.22	-0.13	0.0	0.0	0.0	0.0
54	84	0.09	0.0	0.0	-0.26	0.0	1.41	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.28	-0.13	0.0	0.0	0.0	0.0
54	96	0.09	0.0	0.0	-0.26	0.0	23.87	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	23.75	-0.13	0.0	0.0	0.0	0.0
54	97	0.09	0.0	0.0	-0.26	0.0	-24.56	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.68	-0.13	0.0	0.0	0.0	0.0
55	2	0.12	0.0	0.0	-0.34	0.0	-0.12	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.05	-0.17	0.0	0.0	0.0	0.0
55	7	0.09	0.0	0.0	-0.26	0.0	-0.84	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.71	-0.13	0.0	0.0	0.0	0.0
55	10	0.09	0.0	0.0	-0.26	0.0	-0.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.05	-0.13	0.0	0.0	0.0	0.0
55	11	0.09	0.0	0.0	-0.26	0.0	-0.55	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.42	-0.13	0.0	0.0	0.0	0.0
55	14	0.09	0.0	0.0	-0.26	0.0	0.15	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.28	-0.13	0.0	0.0	0.0	0.0
55	15	0.09	0.0	0.0	-0.26	0.0	-0.09	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.04	-0.13	0.0	0.0	0.0	0.0
55	17	0.09	0.0	0.0	-0.26	0.0	0.03	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.16	-0.13	0.0	0.0	0.0	0.0
55	18	0.09	0.0	0.0	-0.26	0.0	0.10	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.23	-0.13	0.0	0.0	0.0	0.0
55	28	0.09	0.0	0.0	-0.26	0.0	-22.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-21.95	-0.13	0.0	0.0	0.0	0.0
55	29	0.09	0.0	0.0	-0.26	0.0	22.28	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	22.40	-0.13	0.0	0.0	0.0	0.0
55	60	0.09	0.0	0.0	-0.26	0.0	-16.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-16.06	-0.13	0.0	0.0	0.0	0.0
55	61	0.09	0.0	0.0	-0.26	0.0	16.39	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	16.52	-0.13	0.0	0.0	0.0	0.0
55	83	0.09	0.0	0.0	-0.26	0.0	2.70	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.83	-0.13	0.0	0.0	0.0	0.0
55	84	0.09	0.0	0.0	-0.26	0.0	-2.50	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.37	-0.13	0.0	0.0	0.0	0.0
55	96	0.09	0.0	0.0	-0.26	0.0	-26.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-26.19	-0.13	0.0	0.0	0.0	0.0
55	97	0.09	0.0	0.0	-0.26	0.0	26.52	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	26.65	-0.13	0.0	0.0	0.0	0.0
56	2	0.12	0.0	0.0	-0.34	0.0	-0.26	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.42	-0.17	0.0	0.0	0.0	0.0
56	7	0.09	0.0	0.0	-0.26	0.0	0.57	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.44	-0.13	0.0	0.0	0.0	0.0
56	10	0.09	0.0	0.0	-0.26	0.0	-0.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.34	-0.13	0.0	0.0	0.0	0.0
56	11	0.09	0.0	0.0	-0.26	0.0	0.28	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.15	-0.13	0.0	0.0	0.0	0.0
56	14	0.09	0.0	0.0	-0.26	0.0	-0.43	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.56	-0.13	0.0	0.0	0.0	0.0
56	15	0.09	0.0	0.0	-0.26	0.0	-0.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.32	-0.13	0.0	0.0	0.0	0.0

56	17	0.09	0.0	0.0	-0.26	0.0	-0.31	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.43	-0.13	0.0	0.0	0.0	0.0
56	18	0.09	0.0	0.0	-0.26	0.0	-0.38	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.51	-0.13	0.0	0.0	0.0	0.0
56	28	0.09	0.0	0.0	-0.26	0.0	19.59	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	19.46	-0.13	0.0	0.0	0.0	0.0
56	29	0.09	0.0	0.0	-0.26	0.0	-20.35	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.48	-0.13	0.0	0.0	0.0	0.0
56	60	0.09	0.0	0.0	-0.26	0.0	14.31	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.18	-0.13	0.0	0.0	0.0	0.0
56	61	0.09	0.0	0.0	-0.26	0.0	-15.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.20	-0.13	0.0	0.0	0.0	0.0
56	83	0.09	0.0	0.0	-0.26	0.0	-3.01	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-3.14	-0.13	0.0	0.0	0.0	0.0
56	84	0.09	0.0	0.0	-0.26	0.0	2.25	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.12	-0.13	0.0	0.0	0.0	0.0
56	96	0.09	0.0	0.0	-0.26	0.0	23.40	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	23.28	-0.13	0.0	0.0	0.0	0.0
56	97	0.09	0.0	0.0	-0.26	0.0	-24.17	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.29	-0.13	0.0	0.0	0.0	0.0
57	2	0.12	0.0	0.0	-0.34	0.0	-0.25	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.08	-0.17	0.0	0.0	0.0	0.0
57	7	0.09	0.0	0.0	-0.26	0.0	-1.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.92	-0.13	0.0	0.0	0.0	0.0
57	10	0.09	0.0	0.0	-0.26	0.0	-0.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.04	-0.13	0.0	0.0	0.0	0.0
57	11	0.09	0.0	0.0	-0.26	0.0	-0.70	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.57	-0.13	0.0	0.0	0.0	0.0
57	14	0.09	0.0	0.0	-0.26	0.0	0.13	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.25	-0.13	0.0	0.0	0.0	0.0
57	15	0.09	0.0	0.0	-0.26	0.0	-0.14	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.01	-0.13	0.0	0.0	0.0	0.0
57	17	0.09	0.0	0.0	-0.26	0.0	9.25e-05	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.13	-0.13	0.0	0.0	0.0	0.0
57	18	0.09	0.0	0.0	-0.26	0.0	0.08	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.20	-0.13	0.0	0.0	0.0	0.0
57	28	0.09	0.0	0.0	-0.26	0.0	-22.89	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-22.77	-0.13	0.0	0.0	0.0	0.0
57	29	0.09	0.0	0.0	-0.26	0.0	23.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	23.17	-0.13	0.0	0.0	0.0	0.0
57	60	0.09	0.0	0.0	-0.26	0.0	-16.85	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-16.72	-0.13	0.0	0.0	0.0	0.0
57	61	0.09	0.0	0.0	-0.26	0.0	17.00	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	17.13	-0.13	0.0	0.0	0.0	0.0
57	83	0.09	0.0	0.0	-0.26	0.0	3.52	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.65	-0.13	0.0	0.0	0.0	0.0
57	84	0.09	0.0	0.0	-0.26	0.0	-3.37	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-3.24	-0.13	0.0	0.0	0.0	0.0
57	96	0.09	0.0	0.0	-0.26	0.0	-27.27	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-27.14	-0.13	0.0	0.0	0.0	0.0
57	97	0.09	0.0	0.0	-0.26	0.0	27.42	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	27.55	-0.13	0.0	0.0	0.0	0.0
58	2	0.12	0.0	0.0	-0.34	0.0	-0.41	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.57	-0.17	0.0	0.0	0.0	0.0
58	7	0.09	0.0	0.0	-0.26	0.0	0.28	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.16	-0.13	0.0	0.0	0.0	0.0
58	10	0.09	0.0	0.0	-0.26	0.0	-0.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.44	-0.13	0.0	0.0	0.0	0.0
58	11	0.09	0.0	0.0	-0.26	0.0	0.08	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.05	-0.13	0.0	0.0	0.0	0.0
58	14	0.09	0.0	0.0	-0.26	0.0	-0.44	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.57	-0.13	0.0	0.0	0.0	0.0
58	15	0.09	0.0	0.0	-0.26	0.0	-0.25	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.37	-0.13	0.0	0.0	0.0	0.0
58	17	0.09	0.0	0.0	-0.26	0.0	-0.33	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.45	-0.13	0.0	0.0	0.0	0.0
58	18	0.09	0.0	0.0	-0.26	0.0	-0.40	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.52	-0.13	0.0	0.0	0.0	0.0
58	28	0.09	0.0	0.0	-0.26	0.0	20.62	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	20.49	-0.13	0.0	0.0	0.0	0.0
58	29	0.09	0.0	0.0	-0.26	0.0	-21.41	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-21.54	-0.13	0.0	0.0	0.0	0.0
58	60	0.09	0.0	0.0	-0.26	0.0	15.09	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.97	-0.13	0.0	0.0	0.0	0.0
58	61	0.09	0.0	0.0	-0.26	0.0	-15.89	0.13	0.0	0.0	0.0	0.0

58	83	0.0	0.0	0.0	0.0	274.6	-16.01	-0.13	0.0	0.0	0.0	0.0
		0.09	0.0	0.0	-0.26	0.0	-3.66	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-3.78	-0.13	0.0	0.0	0.0	0.0
58	84	0.09	0.0	0.0	-0.26	0.0	2.86	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.74	-0.13	0.0	0.0	0.0	0.0
58	96	0.09	0.0	0.0	-0.26	0.0	24.62	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	24.49	-0.13	0.0	0.0	0.0	0.0
58	97	0.09	0.0	0.0	-0.26	0.0	-25.41	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-25.54	-0.13	0.0	0.0	0.0	0.0
59	2	0.12	0.0	0.0	-0.34	0.0	0.24	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.41	-0.17	0.0	0.0	0.0	0.0
59	5	0.12	0.0	0.0	-0.34	0.0	-0.06	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.10	-0.17	0.0	0.0	0.0	0.0
59	10	0.09	0.0	0.0	-0.26	0.0	0.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.28	-0.13	0.0	0.0	0.0	0.0
59	11	0.09	0.0	0.0	-0.26	0.0	-0.05	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.08	-0.13	0.0	0.0	0.0	0.0
59	14	0.09	0.0	0.0	-0.26	0.0	0.06	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.19	-0.13	0.0	0.0	0.0	0.0
59	15	0.09	0.0	0.0	-0.26	0.0	-0.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.08	-0.13	0.0	0.0	0.0	0.0
59	17	0.09	0.0	0.0	-0.26	0.0	-0.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.09	-0.13	0.0	0.0	0.0	0.0
59	18	0.09	0.0	0.0	-0.26	0.0	0.02	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.15	-0.13	0.0	0.0	0.0	0.0
59	28	0.09	0.0	0.0	-0.26	0.0	-22.38	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-22.25	-0.13	0.0	0.0	0.0	0.0
59	29	0.09	0.0	0.0	-0.26	0.0	22.42	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	22.55	-0.13	0.0	0.0	0.0	0.0
59	60	0.09	0.0	0.0	-0.26	0.0	-16.53	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-16.40	-0.13	0.0	0.0	0.0	0.0
59	61	0.09	0.0	0.0	-0.26	0.0	16.57	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	16.69	-0.13	0.0	0.0	0.0	0.0
59	83	0.09	0.0	0.0	-0.26	0.0	3.98	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	4.11	-0.13	0.0	0.0	0.0	0.0
59	84	0.09	0.0	0.0	-0.26	0.0	-3.94	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-3.82	-0.13	0.0	0.0	0.0	0.0
59	96	0.09	0.0	0.0	-0.26	0.0	-26.63	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-26.51	-0.13	0.0	0.0	0.0	0.0
59	97	0.09	0.0	0.0	-0.26	0.0	26.67	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	26.80	-0.13	0.0	0.0	0.0	0.0
60	2	0.12	0.0	0.0	-0.34	0.0	0.33	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.17	-0.17	0.0	0.0	0.0	0.0
60	7	0.09	0.0	0.0	-0.26	0.0	1.87	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.74	-0.13	0.0	0.0	0.0	0.0
60	10	0.09	0.0	0.0	-0.26	0.0	0.17	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.04	-0.13	0.0	0.0	0.0	0.0
60	11	0.09	0.0	0.0	-0.26	0.0	1.12	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.99	-0.13	0.0	0.0	0.0	0.0
60	14	0.09	0.0	0.0	-0.26	0.0	-0.56	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.68	-0.13	0.0	0.0	0.0	0.0
60	15	0.09	0.0	0.0	-0.26	0.0	-0.08	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.21	-0.13	0.0	0.0	0.0	0.0
60	17	0.09	0.0	0.0	-0.26	0.0	-0.39	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.51	-0.13	0.0	0.0	0.0	0.0
60	18	0.09	0.0	0.0	-0.26	0.0	-0.49	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.62	-0.13	0.0	0.0	0.0	0.0
60	28	0.09	0.0	0.0	-0.26	0.0	19.51	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	19.38	-0.13	0.0	0.0	0.0	0.0
60	29	0.09	0.0	0.0	-0.26	0.0	-20.49	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.62	-0.13	0.0	0.0	0.0	0.0
60	60	0.09	0.0	0.0	-0.26	0.0	14.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	14.19	-0.13	0.0	0.0	0.0	0.0
60	61	0.09	0.0	0.0	-0.26	0.0	-15.30	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.43	-0.13	0.0	0.0	0.0	0.0
60	83	0.09	0.0	0.0	-0.26	0.0	-4.68	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-4.81	-0.13	0.0	0.0	0.0	0.0
60	84	0.09	0.0	0.0	-0.26	0.0	3.70	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.58	-0.13	0.0	0.0	0.0	0.0
60	96	0.09	0.0	0.0	-0.26	0.0	23.29	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	23.17	-0.13	0.0	0.0	0.0	0.0
60	97	0.09	0.0	0.0	-0.26	0.0	-24.27	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.40	-0.13	0.0	0.0	0.0	0.0
61	2	0.12	0.0	0.0	-0.34	0.0	-2.39	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.22	-0.17	0.0	0.0	0.0	0.0

61	5	0.12	0.0	0.0	-0.34	0.0	-4.85	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-4.69	-0.17	0.0	0.0	0.0	0.0
61	10	0.09	0.0	0.0	-0.26	0.0	-1.60	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.48	-0.13	0.0	0.0	0.0	0.0
61	11	0.09	0.0	0.0	-0.26	0.0	-3.24	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-3.12	-0.13	0.0	0.0	0.0	0.0
61	14	0.09	0.0	0.0	-0.26	0.0	0.11	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.24	-0.13	0.0	0.0	0.0	0.0
61	15	0.09	0.0	0.0	-0.26	0.0	-0.71	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.58	-0.13	0.0	0.0	0.0	0.0
61	17	0.09	0.0	0.0	-0.26	0.0	-0.07	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.05	-0.13	0.0	0.0	0.0	0.0
61	18	0.09	0.0	0.0	-0.26	0.0	0.04	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.16	-0.13	0.0	0.0	0.0	0.0
61	28	0.09	0.0	0.0	-0.26	0.0	-24.95	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.82	-0.13	0.0	0.0	0.0	0.0
61	29	0.09	0.0	0.0	-0.26	0.0	25.02	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	25.15	-0.13	0.0	0.0	0.0	0.0
61	60	0.09	0.0	0.0	-0.26	0.0	-18.45	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-18.32	-0.13	0.0	0.0	0.0	0.0
61	61	0.09	0.0	0.0	-0.26	0.0	18.52	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	18.65	-0.13	0.0	0.0	0.0	0.0
61	83	0.09	0.0	0.0	-0.26	0.0	5.18	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	5.31	-0.13	0.0	0.0	0.0	0.0
61	84	0.09	0.0	0.0	-0.26	0.0	-5.11	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-4.98	-0.13	0.0	0.0	0.0	0.0
61	96	0.09	0.0	0.0	-0.26	0.0	-29.68	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-29.55	-0.13	0.0	0.0	0.0	0.0
61	97	0.09	0.0	0.0	-0.26	0.0	29.76	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	29.88	-0.13	0.0	0.0	0.0	0.0
62	2	0.12	0.0	0.0	-0.34	0.0	2.26	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.10	-0.17	0.0	0.0	0.0	0.0
62	7	0.09	0.0	0.0	-0.26	0.0	6.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	6.20	-0.13	0.0	0.0	0.0	0.0
62	10	0.09	0.0	0.0	-0.26	0.0	1.43	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.30	-0.13	0.0	0.0	0.0	0.0
62	11	0.09	0.0	0.0	-0.26	0.0	4.01	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.88	-0.13	0.0	0.0	0.0	0.0
62	14	0.09	0.0	0.0	-0.26	0.0	-0.98	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.10	-0.13	0.0	0.0	0.0	0.0
62	15	0.09	0.0	0.0	-0.26	0.0	0.31	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.19	-0.13	0.0	0.0	0.0	0.0
62	17	0.09	0.0	0.0	-0.26	0.0	-0.61	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.74	-0.13	0.0	0.0	0.0	0.0
62	18	0.09	0.0	0.0	-0.26	0.0	-0.83	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.96	-0.13	0.0	0.0	0.0	0.0
62	28	0.09	0.0	0.0	-0.26	0.0	18.81	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	18.68	-0.13	0.0	0.0	0.0	0.0
62	29	0.09	0.0	0.0	-0.26	0.0	-20.47	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-20.60	-0.13	0.0	0.0	0.0	0.0
62	60	0.09	0.0	0.0	-0.26	0.0	13.78	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	13.65	-0.13	0.0	0.0	0.0	0.0
62	61	0.09	0.0	0.0	-0.26	0.0	-15.44	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-15.57	-0.13	0.0	0.0	0.0	0.0
62	83	0.09	0.0	0.0	-0.26	0.0	-6.45	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-6.58	-0.13	0.0	0.0	0.0	0.0
62	84	0.09	0.0	0.0	-0.26	0.0	4.79	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	4.66	-0.13	0.0	0.0	0.0	0.0
62	96	0.09	0.0	0.0	-0.26	0.0	22.50	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	22.37	-0.13	0.0	0.0	0.0	0.0
62	97	0.09	0.0	0.0	-0.26	0.0	-24.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.29	-0.13	0.0	0.0	0.0	0.0
63	2	0.12	0.0	0.0	-0.34	0.0	-2.63	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-2.46	-0.17	0.0	0.0	0.0	0.0
63	7	0.09	0.0	0.0	-0.26	0.0	-6.17	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-6.05	-0.13	0.0	0.0	0.0	0.0
63	10	0.09	0.0	0.0	-0.26	0.0	-1.72	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-1.59	-0.13	0.0	0.0	0.0	0.0
63	11	0.09	0.0	0.0	-0.26	0.0	-4.03	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-3.90	-0.13	0.0	0.0	0.0	0.0
63	14	0.09	0.0	0.0	-0.26	0.0	0.56	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.69	-0.13	0.0	0.0	0.0	0.0
63	15	0.09	0.0	0.0	-0.26	0.0	-0.59	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.47	-0.13	0.0	0.0	0.0	0.0
63	17	0.09	0.0	0.0	-0.26	0.0	0.26	0.13	0.0	0.0	0.0	0.0

63	18	0.0	0.0	0.0	0.0	274.6	0.39	-0.13	0.0	0.0	0.0	0.0
		0.09	0.0	0.0	-0.26	0.0	0.44	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.57	-0.13	0.0	0.0	0.0	0.0
63	28	0.09	0.0	0.0	-0.26	0.0	-22.55	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-22.42	-0.13	0.0	0.0	0.0	0.0
63	29	0.09	0.0	0.0	-0.26	0.0	23.43	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	23.56	-0.13	0.0	0.0	0.0	0.0
63	60	0.09	0.0	0.0	-0.26	0.0	-16.63	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-16.50	-0.13	0.0	0.0	0.0	0.0
63	61	0.09	0.0	0.0	-0.26	0.0	17.51	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	17.64	-0.13	0.0	0.0	0.0	0.0
63	83	0.09	0.0	0.0	-0.26	0.0	6.36	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	6.49	-0.13	0.0	0.0	0.0	0.0
63	84	0.09	0.0	0.0	-0.26	0.0	-5.48	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-5.35	-0.13	0.0	0.0	0.0	0.0
63	96	0.09	0.0	0.0	-0.26	0.0	-26.88	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-26.75	-0.13	0.0	0.0	0.0	0.0
63	97	0.09	0.0	0.0	-0.26	0.0	27.76	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	27.89	-0.13	0.0	0.0	0.0	0.0
64	2	0.12	0.0	0.0	-0.34	0.0	2.49	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	2.32	-0.17	0.0	0.0	0.0	0.0
64	7	0.09	0.0	0.0	-0.26	0.0	5.79	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	5.67	-0.13	0.0	0.0	0.0	0.0
64	10	0.09	0.0	0.0	-0.26	0.0	1.62	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	1.50	-0.13	0.0	0.0	0.0	0.0
64	11	0.09	0.0	0.0	-0.26	0.0	3.78	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	3.65	-0.13	0.0	0.0	0.0	0.0
64	14	0.09	0.0	0.0	-0.26	0.0	-0.53	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.65	-0.13	0.0	0.0	0.0	0.0
64	15	0.09	0.0	0.0	-0.26	0.0	0.55	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	0.42	-0.13	0.0	0.0	0.0	0.0
64	17	0.09	0.0	0.0	-0.26	0.0	-0.26	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.38	-0.13	0.0	0.0	0.0	0.0
64	18	0.09	0.0	0.0	-0.26	0.0	-0.42	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-0.55	-0.13	0.0	0.0	0.0	0.0
64	28	0.09	0.0	0.0	-0.26	0.0	23.88	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	23.75	-0.13	0.0	0.0	0.0	0.0
64	29	0.09	0.0	0.0	-0.26	0.0	-24.72	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-24.85	-0.13	0.0	0.0	0.0	0.0
64	60	0.09	0.0	0.0	-0.26	0.0	17.60	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	17.47	-0.13	0.0	0.0	0.0	0.0
64	61	0.09	0.0	0.0	-0.26	0.0	-18.44	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-18.57	-0.13	0.0	0.0	0.0	0.0
64	83	0.09	0.0	0.0	-0.26	0.0	-6.24	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-6.37	-0.13	0.0	0.0	0.0	0.0
64	84	0.09	0.0	0.0	-0.26	0.0	5.40	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	5.28	-0.13	0.0	0.0	0.0	0.0
64	96	0.09	0.0	0.0	-0.26	0.0	28.47	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	28.34	-0.13	0.0	0.0	0.0	0.0
64	97	0.09	0.0	0.0	-0.26	0.0	-29.31	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	274.6	-29.43	-0.13	0.0	0.0	0.0	0.0
65	1	0.05	0.0	0.0	-0.22	0.0	-0.12	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.05	-0.11	0.0	0.0	0.0	0.0
65	2	0.05	0.0	0.0	-0.22	0.0	-0.12	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.05	-0.11	0.0	0.0	0.0	0.0
65	9	0.04	0.0	0.0	-0.17	0.0	-0.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.04	-0.08	0.0	0.0	0.0	0.0
65	10	0.04	0.0	0.0	-0.17	0.0	-0.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.04	-0.08	0.0	0.0	0.0	0.0
65	13	0.04	0.0	0.0	-0.17	0.0	-0.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.04	-0.08	0.0	0.0	0.0	0.0
65	14	0.04	0.0	0.0	-0.17	0.0	-0.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.04	-0.08	0.0	0.0	0.0	0.0
65	17	0.04	0.0	0.0	-0.17	0.0	-0.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.04	-0.08	0.0	0.0	0.0	0.0
65	18	0.04	0.0	0.0	-0.17	0.0	-0.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.04	-0.08	0.0	0.0	0.0	0.0
65	31	0.04	0.0	0.0	-0.17	0.0	41.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	41.14	-0.08	0.0	0.0	0.0	0.0
65	34	0.04	0.0	0.0	-0.17	0.0	-41.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-41.07	-0.08	0.0	0.0	0.0	0.0
65	63	0.04	0.0	0.0	-0.17	0.0	29.83	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	29.96	-0.08	0.0	0.0	0.0	0.0
65	66	0.04	0.0	0.0	-0.17	0.0	-30.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-29.89	-0.08	0.0	0.0	0.0	0.0

65	85	0.04	0.0	0.0	-0.17	0.0	0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.31	-0.08	0.0	0.0	0.0	0.0
65	86	0.04	0.0	0.0	-0.17	0.0	-0.37	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.24	-0.08	0.0	0.0	0.0	0.0
65	99	0.04	0.0	0.0	-0.17	0.0	48.99	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	49.12	-0.08	0.0	0.0	0.0	0.0
65	102	0.04	0.0	0.0	-0.17	0.0	-49.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-49.05	-0.08	0.0	0.0	0.0	0.0
66	2	0.05	0.0	0.0	-0.22	0.0	0.05	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.11	-0.11	0.0	0.0	0.0	0.0
66	5	0.05	0.0	0.0	-0.22	0.0	0.07	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.09	-0.11	0.0	0.0	0.0	0.0
66	10	0.04	0.0	0.0	-0.17	0.0	0.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.08	-0.08	0.0	0.0	0.0	0.0
66	11	0.04	0.0	0.0	-0.17	0.0	0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.07	-0.08	0.0	0.0	0.0	0.0
66	14	0.04	0.0	0.0	-0.17	0.0	0.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.09	-0.08	0.0	0.0	0.0	0.0
66	15	0.04	0.0	0.0	-0.17	0.0	0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.08	-0.08	0.0	0.0	0.0	0.0
66	17	0.04	0.0	0.0	-0.17	0.0	0.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.08	-0.08	0.0	0.0	0.0	0.0
66	18	0.04	0.0	0.0	-0.17	0.0	0.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.09	-0.08	0.0	0.0	0.0	0.0
66	32	0.04	0.0	0.0	-0.17	0.0	-41.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-41.72	-0.08	0.0	0.0	0.0	0.0
66	33	0.04	0.0	0.0	-0.17	0.0	41.68	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	41.55	-0.08	0.0	0.0	0.0	0.0
66	64	0.04	0.0	0.0	-0.17	0.0	-30.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-30.39	-0.08	0.0	0.0	0.0	0.0
66	65	0.04	0.0	0.0	-0.17	0.0	30.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	30.22	-0.08	0.0	0.0	0.0	0.0
66	85	0.04	0.0	0.0	-0.17	0.0	0.30	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.18	-0.08	0.0	0.0	0.0	0.0
66	86	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.35	-0.08	0.0	0.0	0.0	0.0
66	100	0.04	0.0	0.0	-0.17	0.0	-49.67	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-49.80	-0.08	0.0	0.0	0.0	0.0
66	101	0.04	0.0	0.0	-0.17	0.0	49.76	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	49.63	-0.08	0.0	0.0	0.0	0.0
67	3	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.09	-0.08	0.0	0.0	0.0	0.0
67	6	0.05	0.0	0.0	-0.22	0.0	-0.30	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.14	-0.11	0.0	0.0	0.0	0.0
67	9	0.04	0.0	0.0	-0.17	0.0	-0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.08	-0.08	0.0	0.0	0.0	0.0
67	12	0.04	0.0	0.0	-0.17	0.0	-0.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.10	-0.08	0.0	0.0	0.0	0.0
67	13	0.04	0.0	0.0	-0.17	0.0	-0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.06	-0.08	0.0	0.0	0.0	0.0
67	16	0.04	0.0	0.0	-0.17	0.0	-0.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.07	-0.08	0.0	0.0	0.0	0.0
67	17	0.04	0.0	0.0	-0.17	0.0	-0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.06	-0.08	0.0	0.0	0.0	0.0
67	18	0.04	0.0	0.0	-0.17	0.0	-0.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.07	-0.08	0.0	0.0	0.0	0.0
67	31	0.04	0.0	0.0	-0.17	0.0	43.84	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	43.97	-0.08	0.0	0.0	0.0	0.0
67	34	0.04	0.0	0.0	-0.17	0.0	-44.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-44.10	-0.08	0.0	0.0	0.0	0.0
67	63	0.04	0.0	0.0	-0.17	0.0	31.86	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	31.99	-0.08	0.0	0.0	0.0	0.0
67	66	0.04	0.0	0.0	-0.17	0.0	-32.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-32.12	-0.08	0.0	0.0	0.0	0.0
67	85	0.04	0.0	0.0	-0.17	0.0	0.11	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.24	-0.08	0.0	0.0	0.0	0.0
67	86	0.04	0.0	0.0	-0.17	0.0	-0.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.37	-0.08	0.0	0.0	0.0	0.0
67	99	0.04	0.0	0.0	-0.17	0.0	52.39	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	52.52	-0.08	0.0	0.0	0.0	0.0
67	102	0.04	0.0	0.0	-0.17	0.0	-52.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-52.65	-0.08	0.0	0.0	0.0	0.0
68	2	0.05	0.0	0.0	-0.22	0.0	-0.06	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.22	-0.11	0.0	0.0	0.0	0.0
68	7	0.04	0.0	0.0	-0.17	0.0	-2.84e-03	0.08	0.0	0.0	0.0	0.0

68	10	0.0	0.0	0.0	0.0	198.4	-0.13	-0.08	0.0	0.0	0.0	0.0
		0.04	0.0	0.0	-0.17	0.0	-0.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.17	-0.08	0.0	0.0	0.0	0.0
68	11	0.04	0.0	0.0	-0.17	0.0	-0.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.15	-0.08	0.0	0.0	0.0	0.0
68	14	0.04	0.0	0.0	-0.17	0.0	-0.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.19	-0.08	0.0	0.0	0.0	0.0
68	15	0.04	0.0	0.0	-0.17	0.0	-0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.17	-0.08	0.0	0.0	0.0	0.0
68	17	0.04	0.0	0.0	-0.17	0.0	-0.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.18	-0.08	0.0	0.0	0.0	0.0
68	18	0.04	0.0	0.0	-0.17	0.0	-0.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.18	-0.08	0.0	0.0	0.0	0.0
68	31	0.04	0.0	0.0	-0.17	0.0	-43.71	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-43.84	-0.08	0.0	0.0	0.0	0.0
68	34	0.04	0.0	0.0	-0.17	0.0	43.60	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	43.47	-0.08	0.0	0.0	0.0	0.0
68	63	0.04	0.0	0.0	-0.17	0.0	-31.84	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-31.96	-0.08	0.0	0.0	0.0	0.0
68	66	0.04	0.0	0.0	-0.17	0.0	31.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	31.59	-0.08	0.0	0.0	0.0	0.0
68	85	0.04	0.0	0.0	-0.17	0.0	-0.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.47	-0.08	0.0	0.0	0.0	0.0
68	86	0.04	0.0	0.0	-0.17	0.0	0.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.10	-0.08	0.0	0.0	0.0	0.0
68	99	0.04	0.0	0.0	-0.17	0.0	-52.19	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-52.31	-0.08	0.0	0.0	0.0	0.0
68	102	0.04	0.0	0.0	-0.17	0.0	52.07	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	51.94	-0.08	0.0	0.0	0.0	0.0
69	3	0.04	0.0	0.0	-0.17	0.0	-0.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.17	-0.08	0.0	0.0	0.0	0.0
69	6	0.05	0.0	0.0	-0.22	0.0	-0.40	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.23	-0.11	0.0	0.0	0.0	0.0
69	9	0.04	0.0	0.0	-0.17	0.0	-0.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.16	-0.08	0.0	0.0	0.0	0.0
69	12	0.04	0.0	0.0	-0.17	0.0	-0.30	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.18	-0.08	0.0	0.0	0.0	0.0
69	13	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.15	-0.08	0.0	0.0	0.0	0.0
69	16	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.16	-0.08	0.0	0.0	0.0	0.0
69	17	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.15	-0.08	0.0	0.0	0.0	0.0
69	18	0.04	0.0	0.0	-0.17	0.0	-0.28	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.16	-0.08	0.0	0.0	0.0	0.0
69	31	0.04	0.0	0.0	-0.17	0.0	45.00	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	45.12	-0.08	0.0	0.0	0.0	0.0
69	34	0.04	0.0	0.0	-0.17	0.0	-45.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-45.43	-0.08	0.0	0.0	0.0	0.0
69	63	0.04	0.0	0.0	-0.17	0.0	32.68	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	32.80	-0.08	0.0	0.0	0.0	0.0
69	66	0.04	0.0	0.0	-0.17	0.0	-33.24	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-33.11	-0.08	0.0	0.0	0.0	0.0
69	85	0.04	0.0	0.0	-0.17	0.0	0.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.15	-0.08	0.0	0.0	0.0	0.0
69	86	0.04	0.0	0.0	-0.17	0.0	-0.58	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.46	-0.08	0.0	0.0	0.0	0.0
69	99	0.04	0.0	0.0	-0.17	0.0	53.79	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	53.91	-0.08	0.0	0.0	0.0	0.0
69	102	0.04	0.0	0.0	-0.17	0.0	-54.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-54.22	-0.08	0.0	0.0	0.0	0.0
70	2	0.05	0.0	0.0	-0.22	0.0	-0.24	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.40	-0.11	0.0	0.0	0.0	0.0
70	3	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.29	-0.08	0.0	0.0	0.0	0.0
70	9	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.28	-0.08	0.0	0.0	0.0	0.0
70	10	0.04	0.0	0.0	-0.17	0.0	-0.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.31	-0.08	0.0	0.0	0.0	0.0
70	13	0.04	0.0	0.0	-0.17	0.0	-0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.27	-0.08	0.0	0.0	0.0	0.0
70	14	0.04	0.0	0.0	-0.17	0.0	-0.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.28	-0.08	0.0	0.0	0.0	0.0
70	17	0.04	0.0	0.0	-0.17	0.0	-0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.27	-0.08	0.0	0.0	0.0	0.0

70	18	0.04	0.0	0.0	-0.17	0.0	-0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.28	-0.08	0.0	0.0	0.0	0.0
70	32	0.04	0.0	0.0	-0.17	0.0	-47.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-47.22	-0.08	0.0	0.0	0.0	0.0
70	33	0.04	0.0	0.0	-0.17	0.0	46.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	46.66	-0.08	0.0	0.0	0.0	0.0
70	64	0.04	0.0	0.0	-0.17	0.0	-34.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-34.45	-0.08	0.0	0.0	0.0	0.0
70	65	0.04	0.0	0.0	-0.17	0.0	34.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	33.89	-0.08	0.0	0.0	0.0	0.0
70	85	0.04	0.0	0.0	-0.17	0.0	0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.05	-0.08	0.0	0.0	0.0	0.0
70	86	0.04	0.0	0.0	-0.17	0.0	-0.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.61	-0.08	0.0	0.0	0.0	0.0
70	100	0.04	0.0	0.0	-0.17	0.0	-56.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-56.33	-0.08	0.0	0.0	0.0	0.0
70	101	0.04	0.0	0.0	-0.17	0.0	55.89	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	55.77	-0.08	0.0	0.0	0.0	0.0
71	4	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.23	-0.08	0.0	0.0	0.0	0.0
71	5	0.05	0.0	0.0	-0.22	0.0	-0.48	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.31	-0.11	0.0	0.0	0.0	0.0
71	10	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.23	-0.08	0.0	0.0	0.0	0.0
71	11	0.04	0.0	0.0	-0.17	0.0	-0.37	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.24	-0.08	0.0	0.0	0.0	0.0
71	14	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.23	-0.08	0.0	0.0	0.0	0.0
71	15	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.23	-0.08	0.0	0.0	0.0	0.0
71	17	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.23	-0.08	0.0	0.0	0.0	0.0
71	18	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.23	-0.08	0.0	0.0	0.0	0.0
71	31	0.04	0.0	0.0	-0.17	0.0	49.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	49.83	-0.08	0.0	0.0	0.0	0.0
71	34	0.04	0.0	0.0	-0.17	0.0	-50.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-50.29	-0.08	0.0	0.0	0.0	0.0
71	63	0.04	0.0	0.0	-0.17	0.0	36.08	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	36.21	-0.08	0.0	0.0	0.0	0.0
71	66	0.04	0.0	0.0	-0.17	0.0	-36.79	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-36.67	-0.08	0.0	0.0	0.0	0.0
71	85	0.04	0.0	0.0	-0.17	0.0	-6.83e-03	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.12	-0.08	0.0	0.0	0.0	0.0
71	86	0.04	0.0	0.0	-0.17	0.0	-0.71	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.58	-0.08	0.0	0.0	0.0	0.0
71	99	0.04	0.0	0.0	-0.17	0.0	59.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	59.54	-0.08	0.0	0.0	0.0	0.0
71	102	0.04	0.0	0.0	-0.17	0.0	-60.13	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-60.00	-0.08	0.0	0.0	0.0	0.0
72	2	0.05	0.0	0.0	-0.22	0.0	-0.27	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.43	-0.11	0.0	0.0	0.0	0.0
72	7	0.04	0.0	0.0	-0.17	0.0	-0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.28	-0.08	0.0	0.0	0.0	0.0
72	10	0.04	0.0	0.0	-0.17	0.0	-0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.33	-0.08	0.0	0.0	0.0	0.0
72	11	0.04	0.0	0.0	-0.17	0.0	-0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.30	-0.08	0.0	0.0	0.0	0.0
72	14	0.04	0.0	0.0	-0.17	0.0	-0.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.36	-0.08	0.0	0.0	0.0	0.0
72	15	0.04	0.0	0.0	-0.17	0.0	-0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.34	-0.08	0.0	0.0	0.0	0.0
72	17	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.35	-0.08	0.0	0.0	0.0	0.0
72	18	0.04	0.0	0.0	-0.17	0.0	-0.23	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.35	-0.08	0.0	0.0	0.0	0.0
72	31	0.04	0.0	0.0	-0.17	0.0	-44.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-44.68	-0.08	0.0	0.0	0.0	0.0
72	34	0.04	0.0	0.0	-0.17	0.0	44.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	43.97	-0.08	0.0	0.0	0.0	0.0
72	63	0.04	0.0	0.0	-0.17	0.0	-32.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-32.62	-0.08	0.0	0.0	0.0	0.0
72	66	0.04	0.0	0.0	-0.17	0.0	32.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	31.91	-0.08	0.0	0.0	0.0	0.0
72	85	0.04	0.0	0.0	-0.17	0.0	-0.59	0.08	0.0	0.0	0.0	0.0

72	86	0.0	0.0	0.0	0.0	198.4	-0.72	-0.08	0.0	0.0	0.0	0.0
		0.04	0.0	0.0	-0.17	0.0	0.13	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	7.03e-03	-0.08	0.0	0.0	0.0	0.0
72	99	0.04	0.0	0.0	-0.17	0.0	-53.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-53.28	-0.08	0.0	0.0	0.0	0.0
72	102	0.04	0.0	0.0	-0.17	0.0	52.69	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	52.57	-0.08	0.0	0.0	0.0	0.0
73	2	0.05	0.0	0.0	-0.22	0.0	-0.62	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.46	-0.11	0.0	0.0	0.0	0.0
73	7	0.04	0.0	0.0	-0.17	0.0	-0.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.23	-0.08	0.0	0.0	0.0	0.0
73	10	0.04	0.0	0.0	-0.17	0.0	-0.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.35	-0.08	0.0	0.0	0.0	0.0
73	11	0.04	0.0	0.0	-0.17	0.0	-0.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.27	-0.08	0.0	0.0	0.0	0.0
73	14	0.04	0.0	0.0	-0.17	0.0	-0.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.37	-0.08	0.0	0.0	0.0	0.0
73	15	0.04	0.0	0.0	-0.17	0.0	-0.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.33	-0.08	0.0	0.0	0.0	0.0
73	17	0.04	0.0	0.0	-0.17	0.0	-0.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.35	-0.08	0.0	0.0	0.0	0.0
73	18	0.04	0.0	0.0	-0.17	0.0	-0.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.36	-0.08	0.0	0.0	0.0	0.0
73	32	0.04	0.0	0.0	-0.17	0.0	41.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	41.91	-0.08	0.0	0.0	0.0	0.0
73	33	0.04	0.0	0.0	-0.17	0.0	-42.76	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-42.64	-0.08	0.0	0.0	0.0	0.0
73	64	0.04	0.0	0.0	-0.17	0.0	30.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	30.41	-0.08	0.0	0.0	0.0	0.0
73	65	0.04	0.0	0.0	-0.17	0.0	-31.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-31.14	-0.08	0.0	0.0	0.0	0.0
73	85	0.04	0.0	0.0	-0.17	0.0	-0.81	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.68	-0.08	0.0	0.0	0.0	0.0
73	86	0.04	0.0	0.0	-0.17	0.0	-0.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.04	-0.08	0.0	0.0	0.0	0.0
73	100	0.04	0.0	0.0	-0.17	0.0	49.99	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	50.11	-0.08	0.0	0.0	0.0	0.0
73	101	0.04	0.0	0.0	-0.17	0.0	-50.97	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-50.84	-0.08	0.0	0.0	0.0	0.0
74	2	0.05	0.0	0.0	-0.22	0.0	-0.46	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.63	-0.11	0.0	0.0	0.0	0.0
74	7	0.04	0.0	0.0	-0.17	0.0	-0.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.37	-0.08	0.0	0.0	0.0	0.0
74	10	0.04	0.0	0.0	-0.17	0.0	-0.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.48	-0.08	0.0	0.0	0.0	0.0
74	11	0.04	0.0	0.0	-0.17	0.0	-0.26	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.39	-0.08	0.0	0.0	0.0	0.0
74	14	0.04	0.0	0.0	-0.17	0.0	-0.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.46	-0.08	0.0	0.0	0.0	0.0
74	15	0.04	0.0	0.0	-0.17	0.0	-0.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.42	-0.08	0.0	0.0	0.0	0.0
74	17	0.04	0.0	0.0	-0.17	0.0	-0.30	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.43	-0.08	0.0	0.0	0.0	0.0
74	18	0.04	0.0	0.0	-0.17	0.0	-0.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.45	-0.08	0.0	0.0	0.0	0.0
74	31	0.04	0.0	0.0	-0.17	0.0	-25.73	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-25.86	-0.08	0.0	0.0	0.0	0.0
74	34	0.04	0.0	0.0	-0.17	0.0	25.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	24.96	-0.08	0.0	0.0	0.0	0.0
74	63	0.04	0.0	0.0	-0.17	0.0	-18.82	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-18.95	-0.08	0.0	0.0	0.0	0.0
74	66	0.04	0.0	0.0	-0.17	0.0	18.18	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	18.05	-0.08	0.0	0.0	0.0	0.0
74	85	0.04	0.0	0.0	-0.17	0.0	-0.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.71	-0.08	0.0	0.0	0.0	0.0
74	86	0.04	0.0	0.0	-0.17	0.0	-0.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.18	-0.08	0.0	0.0	0.0	0.0
74	99	0.04	0.0	0.0	-0.17	0.0	-30.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-30.79	-0.08	0.0	0.0	0.0	0.0
74	102	0.04	0.0	0.0	-0.17	0.0	30.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	29.89	-0.08	0.0	0.0	0.0	0.0
75	2	0.05	0.0	0.0	-0.22	0.0	-0.87	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.71	-0.11	0.0	0.0	0.0	0.0
75	7	0.04	0.0	0.0	-0.17	0.0	-0.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.37	-0.08	0.0	0.0	0.0	0.0

75	10	0.04	0.0	0.0	-0.17	0.0	-0.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.53	-0.08	0.0	0.0	0.0	0.0
75	11	0.04	0.0	0.0	-0.17	0.0	-0.52	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.39	-0.08	0.0	0.0	0.0	0.0
75	14	0.04	0.0	0.0	-0.17	0.0	-0.62	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.50	-0.08	0.0	0.0	0.0	0.0
75	15	0.04	0.0	0.0	-0.17	0.0	-0.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.43	-0.08	0.0	0.0	0.0	0.0
75	17	0.04	0.0	0.0	-0.17	0.0	-0.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.43	-0.08	0.0	0.0	0.0	0.0
75	18	0.04	0.0	0.0	-0.17	0.0	-0.60	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.47	-0.08	0.0	0.0	0.0	0.0
75	32	0.04	0.0	0.0	-0.17	0.0	52.00	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	52.13	-0.08	0.0	0.0	0.0	0.0
75	33	0.04	0.0	0.0	-0.17	0.0	-53.20	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-53.07	-0.08	0.0	0.0	0.0	0.0
75	64	0.04	0.0	0.0	-0.17	0.0	37.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	37.83	-0.08	0.0	0.0	0.0	0.0
75	65	0.04	0.0	0.0	-0.17	0.0	-38.90	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-38.77	-0.08	0.0	0.0	0.0	0.0
75	85	0.04	0.0	0.0	-0.17	0.0	-1.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.92	-0.08	0.0	0.0	0.0	0.0
75	86	0.04	0.0	0.0	-0.17	0.0	-0.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.02	-0.08	0.0	0.0	0.0	0.0
75	100	0.04	0.0	0.0	-0.17	0.0	62.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	62.34	-0.08	0.0	0.0	0.0	0.0
75	101	0.04	0.0	0.0	-0.17	0.0	-63.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-63.28	-0.08	0.0	0.0	0.0	0.0
76	2	0.05	0.0	0.0	-0.22	0.0	-0.62	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.78	-0.11	0.0	0.0	0.0	0.0
76	7	0.04	0.0	0.0	-0.17	0.0	-0.27	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.39	-0.08	0.0	0.0	0.0	0.0
76	10	0.04	0.0	0.0	-0.17	0.0	-0.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.59	-0.08	0.0	0.0	0.0	0.0
76	11	0.04	0.0	0.0	-0.17	0.0	-0.32	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.44	-0.08	0.0	0.0	0.0	0.0
76	14	0.04	0.0	0.0	-0.17	0.0	-0.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.60	-0.08	0.0	0.0	0.0	0.0
76	15	0.04	0.0	0.0	-0.17	0.0	-0.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.52	-0.08	0.0	0.0	0.0	0.0
76	17	0.04	0.0	0.0	-0.17	0.0	-0.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.54	-0.08	0.0	0.0	0.0	0.0
76	18	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.58	-0.08	0.0	0.0	0.0	0.0
76	31	0.04	0.0	0.0	-0.17	0.0	-48.86	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-48.98	-0.08	0.0	0.0	0.0	0.0
76	34	0.04	0.0	0.0	-0.17	0.0	47.96	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	47.83	-0.08	0.0	0.0	0.0	0.0
76	63	0.04	0.0	0.0	-0.17	0.0	-35.70	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-35.83	-0.08	0.0	0.0	0.0	0.0
76	66	0.04	0.0	0.0	-0.17	0.0	34.80	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	34.68	-0.08	0.0	0.0	0.0	0.0
76	85	0.04	0.0	0.0	-0.17	0.0	-0.97	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-1.10	-0.08	0.0	0.0	0.0	0.0
76	86	0.04	0.0	0.0	-0.17	0.0	0.07	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.05	-0.08	0.0	0.0	0.0	0.0
76	99	0.04	0.0	0.0	-0.17	0.0	-58.25	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-58.37	-0.08	0.0	0.0	0.0	0.0
76	102	0.04	0.0	0.0	-0.17	0.0	57.35	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	57.22	-0.08	0.0	0.0	0.0	0.0
77	2	0.05	0.0	0.0	-0.22	0.0	-0.96	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.80	-0.11	0.0	0.0	0.0	0.0
77	7	0.04	0.0	0.0	-0.17	0.0	-0.47	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.35	-0.08	0.0	0.0	0.0	0.0
77	10	0.04	0.0	0.0	-0.17	0.0	-0.74	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.61	-0.08	0.0	0.0	0.0	0.0
77	11	0.04	0.0	0.0	-0.17	0.0	-0.55	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.43	-0.08	0.0	0.0	0.0	0.0
77	14	0.04	0.0	0.0	-0.17	0.0	-0.78	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.65	-0.08	0.0	0.0	0.0	0.0
77	15	0.04	0.0	0.0	-0.17	0.0	-0.68	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.56	-0.08	0.0	0.0	0.0	0.0
77	17	0.04	0.0	0.0	-0.17	0.0	-0.72	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.59	-0.08	0.0	0.0	0.0	0.0
77	18	0.04	0.0	0.0	-0.17	0.0	-0.75	0.08	0.0	0.0	0.0	0.0

77	32	0.0	0.0	0.0	0.0	198.4	-0.63	-0.08	0.0	0.0	0.0	0.0
		0.04	0.0	0.0	-0.17	0.0	52.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	52.79	-0.08	0.0	0.0	0.0	0.0
77	33	0.04	0.0	0.0	-0.17	0.0	-54.17	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-54.04	-0.08	0.0	0.0	0.0	0.0
77	64	0.04	0.0	0.0	-0.17	0.0	38.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	38.28	-0.08	0.0	0.0	0.0	0.0
77	65	0.04	0.0	0.0	-0.17	0.0	-39.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-39.53	-0.08	0.0	0.0	0.0	0.0
77	85	0.04	0.0	0.0	-0.17	0.0	-1.30	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-1.17	-0.08	0.0	0.0	0.0	0.0
77	86	0.04	0.0	0.0	-0.17	0.0	-0.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.08	-0.08	0.0	0.0	0.0	0.0
77	100	0.04	0.0	0.0	-0.17	0.0	63.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	63.15	-0.08	0.0	0.0	0.0	0.0
77	101	0.04	0.0	0.0	-0.17	0.0	-64.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-64.40	-0.08	0.0	0.0	0.0	0.0
78	2	0.05	0.0	0.0	-0.22	0.0	-0.85	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-1.02	-0.11	0.0	0.0	0.0	0.0
78	7	0.04	0.0	0.0	-0.17	0.0	-0.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.46	-0.08	0.0	0.0	0.0	0.0
78	10	0.04	0.0	0.0	-0.17	0.0	-0.65	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.78	-0.08	0.0	0.0	0.0	0.0
78	11	0.04	0.0	0.0	-0.17	0.0	-0.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.55	-0.08	0.0	0.0	0.0	0.0
78	14	0.04	0.0	0.0	-0.17	0.0	-0.68	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.80	-0.08	0.0	0.0	0.0	0.0
78	15	0.04	0.0	0.0	-0.17	0.0	-0.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.69	-0.08	0.0	0.0	0.0	0.0
78	17	0.04	0.0	0.0	-0.17	0.0	-0.60	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.72	-0.08	0.0	0.0	0.0	0.0
78	18	0.04	0.0	0.0	-0.17	0.0	-0.65	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.77	-0.08	0.0	0.0	0.0	0.0
78	31	0.04	0.0	0.0	-0.17	0.0	-49.63	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-49.76	-0.08	0.0	0.0	0.0	0.0
78	34	0.04	0.0	0.0	-0.17	0.0	48.34	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	48.22	-0.08	0.0	0.0	0.0	0.0
78	63	0.04	0.0	0.0	-0.17	0.0	-36.33	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-36.45	-0.08	0.0	0.0	0.0	0.0
78	66	0.04	0.0	0.0	-0.17	0.0	35.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	34.91	-0.08	0.0	0.0	0.0	0.0
78	85	0.04	0.0	0.0	-0.17	0.0	-1.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-1.42	-0.08	0.0	0.0	0.0	0.0
78	86	0.04	0.0	0.0	-0.17	0.0	-7.17e-05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.13	-0.08	0.0	0.0	0.0	0.0
78	99	0.04	0.0	0.0	-0.17	0.0	-59.13	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-59.26	-0.08	0.0	0.0	0.0	0.0
78	102	0.04	0.0	0.0	-0.17	0.0	57.84	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	57.71	-0.08	0.0	0.0	0.0	0.0
79	2	0.05	0.0	0.0	-0.22	0.0	-0.67	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.50	-0.11	0.0	0.0	0.0	0.0
79	7	0.04	0.0	0.0	-0.17	0.0	-0.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.28	-0.08	0.0	0.0	0.0	0.0
79	10	0.04	0.0	0.0	-0.17	0.0	-0.50	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.38	-0.08	0.0	0.0	0.0	0.0
79	11	0.04	0.0	0.0	-0.17	0.0	-0.42	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.29	-0.08	0.0	0.0	0.0	0.0
79	14	0.04	0.0	0.0	-0.17	0.0	-0.48	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.35	-0.08	0.0	0.0	0.0	0.0
79	15	0.04	0.0	0.0	-0.17	0.0	-0.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.31	-0.08	0.0	0.0	0.0	0.0
79	17	0.04	0.0	0.0	-0.17	0.0	-0.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.31	-0.08	0.0	0.0	0.0	0.0
79	18	0.04	0.0	0.0	-0.17	0.0	-0.46	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.34	-0.08	0.0	0.0	0.0	0.0
79	32	0.04	0.0	0.0	-0.17	0.0	46.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	46.21	-0.08	0.0	0.0	0.0	0.0
79	33	0.04	0.0	0.0	-0.17	0.0	-47.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-46.89	-0.08	0.0	0.0	0.0	0.0
79	64	0.04	0.0	0.0	-0.17	0.0	33.44	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	33.56	-0.08	0.0	0.0	0.0	0.0
79	65	0.04	0.0	0.0	-0.17	0.0	-34.37	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-34.24	-0.08	0.0	0.0	0.0	0.0
79	85	0.04	0.0	0.0	-0.17	0.0	-0.90	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.78	-0.08	0.0	0.0	0.0	0.0

79	86	0.04	0.0	0.0	-0.17	0.0	-0.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	0.10	-0.08	0.0	0.0	0.0	0.0
79	100	0.04	0.0	0.0	-0.17	0.0	55.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	55.24	-0.08	0.0	0.0	0.0	0.0
79	101	0.04	0.0	0.0	-0.17	0.0	-56.05	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-55.92	-0.08	0.0	0.0	0.0	0.0
80	2	0.05	0.0	0.0	-0.22	0.0	-0.71	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.87	-0.11	0.0	0.0	0.0	0.0
80	7	0.04	0.0	0.0	-0.17	0.0	-0.22	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.35	-0.08	0.0	0.0	0.0	0.0
80	10	0.04	0.0	0.0	-0.17	0.0	-0.54	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.66	-0.08	0.0	0.0	0.0	0.0
80	11	0.04	0.0	0.0	-0.17	0.0	-0.31	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.44	-0.08	0.0	0.0	0.0	0.0
80	14	0.04	0.0	0.0	-0.17	0.0	-0.56	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.69	-0.08	0.0	0.0	0.0	0.0
80	15	0.04	0.0	0.0	-0.17	0.0	-0.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.58	-0.08	0.0	0.0	0.0	0.0
80	17	0.04	0.0	0.0	-0.17	0.0	-0.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.61	-0.08	0.0	0.0	0.0	0.0
80	18	0.04	0.0	0.0	-0.17	0.0	-0.53	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.66	-0.08	0.0	0.0	0.0	0.0
80	31	0.04	0.0	0.0	-0.17	0.0	-28.68	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-28.80	-0.08	0.0	0.0	0.0	0.0
80	34	0.04	0.0	0.0	-0.17	0.0	27.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	27.48	-0.08	0.0	0.0	0.0	0.0
80	63	0.04	0.0	0.0	-0.17	0.0	-21.04	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-21.16	-0.08	0.0	0.0	0.0	0.0
80	66	0.04	0.0	0.0	-0.17	0.0	19.97	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	19.85	-0.08	0.0	0.0	0.0	0.0
80	85	0.04	0.0	0.0	-0.17	0.0	-0.98	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-1.11	-0.08	0.0	0.0	0.0	0.0
80	86	0.04	0.0	0.0	-0.17	0.0	-0.08	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-0.21	-0.08	0.0	0.0	0.0	0.0
80	99	0.04	0.0	0.0	-0.17	0.0	-34.13	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	-34.26	-0.08	0.0	0.0	0.0	0.0
80	102	0.04	0.0	0.0	-0.17	0.0	33.06	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	198.4	32.94	-0.08	0.0	0.0	0.0	0.0
81	2	0.07	0.0	0.0	-0.22	0.0	-4.16	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-3.88	-0.11	0.0	0.0	0.0	0.0
81	7	0.05	0.0	0.0	-0.17	0.0	-1.07	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-0.86	-0.08	0.0	0.0	0.0	0.0
81	10	0.05	0.0	0.0	-0.17	0.0	-3.15	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-2.94	-0.08	0.0	0.0	0.0	0.0
81	11	0.05	0.0	0.0	-0.17	0.0	-1.66	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-1.45	-0.08	0.0	0.0	0.0	0.0
81	14	0.05	0.0	0.0	-0.17	0.0	-3.36	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-3.15	-0.08	0.0	0.0	0.0	0.0
81	15	0.05	0.0	0.0	-0.17	0.0	-2.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-2.40	-0.08	0.0	0.0	0.0	0.0
81	17	0.05	0.0	0.0	-0.17	0.0	-2.85	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-2.64	-0.08	0.0	0.0	0.0	0.0
81	18	0.05	0.0	0.0	-0.17	0.0	-3.16	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-2.95	-0.08	0.0	0.0	0.0	0.0
81	28	0.05	0.0	0.0	-0.17	0.0	61.62	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	61.83	-0.08	0.0	0.0	0.0	0.0
81	29	0.05	0.0	0.0	-0.17	0.0	-67.93	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-67.72	-0.08	0.0	0.0	0.0	0.0
81	60	0.05	0.0	0.0	-0.17	0.0	44.12	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	44.33	-0.08	0.0	0.0	0.0	0.0
81	61	0.05	0.0	0.0	-0.17	0.0	-50.43	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-50.22	-0.08	0.0	0.0	0.0	0.0
81	83	0.05	0.0	0.0	-0.17	0.0	-5.29	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-5.08	-0.08	0.0	0.0	0.0	0.0
81	84	0.05	0.0	0.0	-0.17	0.0	-1.02	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-0.81	-0.08	0.0	0.0	0.0	0.0
81	96	0.05	0.0	0.0	-0.17	0.0	74.14	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	74.35	-0.08	0.0	0.0	0.0	0.0
81	97	0.05	0.0	0.0	-0.17	0.0	-80.45	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-80.24	-0.08	0.0	0.0	0.0	0.0
82	2	0.07	0.0	0.0	-0.22	0.0	-3.74	0.11	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-4.01	-0.11	0.0	0.0	0.0	0.0
82	7	0.05	0.0	0.0	-0.17	0.0	-0.80	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-1.01	-0.08	0.0	0.0	0.0	0.0
82	10	0.05	0.0	0.0	-0.17	0.0	-2.84	0.08	0.0	0.0	0.0	0.0

82	11	0.0	0.0	0.0	0.0	254.9	-3.05	-0.08	0.0	0.0	0.0	0.0
		0.05	0.0	0.0	-0.17	0.0	-1.41	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-1.62	-0.08	0.0	0.0	0.0	0.0
82	14	0.05	0.0	0.0	-0.17	0.0	-3.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-3.30	-0.08	0.0	0.0	0.0	0.0
82	15	0.05	0.0	0.0	-0.17	0.0	-2.37	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-2.58	-0.08	0.0	0.0	0.0	0.0
82	17	0.05	0.0	0.0	-0.17	0.0	-2.61	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-2.83	-0.08	0.0	0.0	0.0	0.0
82	18	0.05	0.0	0.0	-0.17	0.0	-2.90	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-3.11	-0.08	0.0	0.0	0.0	0.0
82	31	0.05	0.0	0.0	-0.17	0.0	-62.49	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-62.70	-0.08	0.0	0.0	0.0	0.0
82	34	0.05	0.0	0.0	-0.17	0.0	56.69	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	56.48	-0.08	0.0	0.0	0.0	0.0
82	63	0.05	0.0	0.0	-0.17	0.0	-46.40	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-46.61	-0.08	0.0	0.0	0.0	0.0
82	66	0.05	0.0	0.0	-0.17	0.0	40.59	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	40.38	-0.08	0.0	0.0	0.0	0.0
82	85	0.05	0.0	0.0	-0.17	0.0	-5.09	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-5.30	-0.08	0.0	0.0	0.0	0.0
82	86	0.05	0.0	0.0	-0.17	0.0	-0.71	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-0.92	-0.08	0.0	0.0	0.0	0.0
82	99	0.05	0.0	0.0	-0.17	0.0	-74.01	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	-74.22	-0.08	0.0	0.0	0.0	0.0
82	102	0.05	0.0	0.0	-0.17	0.0	68.21	0.08	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	254.9	68.00	-0.08	0.0	0.0	0.0	0.0
83	4	0.10	0.0	0.0	-0.26	0.0	-2.13	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-1.92	-0.13	0.0	0.0	0.0	0.0
83	5	0.13	0.0	0.0	-0.34	0.0	-7.73	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-7.45	-0.17	0.0	0.0	0.0	0.0
83	10	0.10	0.0	0.0	-0.26	0.0	-1.69	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-1.48	-0.13	0.0	0.0	0.0	0.0
83	11	0.10	0.0	0.0	-0.26	0.0	-5.26	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-5.05	-0.13	0.0	0.0	0.0	0.0
83	14	0.10	0.0	0.0	-0.26	0.0	0.10	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	0.31	-0.13	0.0	0.0	0.0	0.0
83	15	0.10	0.0	0.0	-0.26	0.0	-1.69	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-1.48	-0.13	0.0	0.0	0.0	0.0
83	17	0.10	0.0	0.0	-0.26	0.0	-0.79	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-0.58	-0.13	0.0	0.0	0.0	0.0
83	18	0.10	0.0	0.0	-0.26	0.0	-0.26	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-0.05	-0.13	0.0	0.0	0.0	0.0
83	31	0.10	0.0	0.0	-0.26	0.0	35.58	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	35.79	-0.13	0.0	0.0	0.0	0.0
83	34	0.10	0.0	0.0	-0.26	0.0	-36.10	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-35.89	-0.13	0.0	0.0	0.0	0.0
83	63	0.10	0.0	0.0	-0.26	0.0	26.23	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	26.44	-0.13	0.0	0.0	0.0	0.0
83	66	0.10	0.0	0.0	-0.26	0.0	-26.75	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-26.54	-0.13	0.0	0.0	0.0	0.0
83	85	0.10	0.0	0.0	-0.26	0.0	7.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	7.40	-0.13	0.0	0.0	0.0	0.0
83	86	0.10	0.0	0.0	-0.26	0.0	-7.71	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-7.50	-0.13	0.0	0.0	0.0	0.0
83	99	0.10	0.0	0.0	-0.26	0.0	42.38	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	42.59	-0.13	0.0	0.0	0.0	0.0
83	102	0.10	0.0	0.0	-0.26	0.0	-42.89	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-42.68	-0.13	0.0	0.0	0.0	0.0
84	2	0.13	0.0	0.0	-0.34	0.0	-3.88	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-4.16	-0.17	0.0	0.0	0.0	0.0
84	7	0.10	0.0	0.0	-0.26	0.0	4.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	4.11	-0.13	0.0	0.0	0.0	0.0
84	10	0.10	0.0	0.0	-0.26	0.0	-2.92	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-3.13	-0.13	0.0	0.0	0.0	0.0
84	11	0.10	0.0	0.0	-0.26	0.0	2.05	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	1.84	-0.13	0.0	0.0	0.0	0.0
84	14	0.10	0.0	0.0	-0.26	0.0	-4.06	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-4.27	-0.13	0.0	0.0	0.0	0.0
84	15	0.10	0.0	0.0	-0.26	0.0	-1.58	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-1.79	-0.13	0.0	0.0	0.0	0.0
84	17	0.10	0.0	0.0	-0.26	0.0	-2.48	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-2.69	-0.13	0.0	0.0	0.0	0.0
84	18	0.10	0.0	0.0	-0.26	0.0	-3.43	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-3.64	-0.13	0.0	0.0	0.0	0.0

84	47	0.10	0.0	0.0	-0.26	0.0	-15.59	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-15.80	-0.13	0.0	0.0	0.0	0.0
84	50	0.10	0.0	0.0	-0.26	0.0	8.73	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	8.52	-0.13	0.0	0.0	0.0	0.0
84	79	0.10	0.0	0.0	-0.26	0.0	-13.64	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-13.85	-0.13	0.0	0.0	0.0	0.0
84	82	0.10	0.0	0.0	-0.26	0.0	6.77	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	6.56	-0.13	0.0	0.0	0.0	0.0
84	85	0.10	0.0	0.0	-0.26	0.0	-10.82	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-11.03	-0.13	0.0	0.0	0.0	0.0
84	86	0.10	0.0	0.0	-0.26	0.0	3.96	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	3.75	-0.13	0.0	0.0	0.0	0.0
84	99	0.10	0.0	0.0	-0.26	0.0	-17.51	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-17.72	-0.13	0.0	0.0	0.0	0.0
84	102	0.10	0.0	0.0	-0.26	0.0	10.65	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	10.44	-0.13	0.0	0.0	0.0	0.0
85	4	0.10	0.0	0.0	-0.26	0.0	-5.15	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-4.94	-0.13	0.0	0.0	0.0	0.0
85	5	0.13	0.0	0.0	-0.34	0.0	-8.54	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-8.27	-0.17	0.0	0.0	0.0	0.0
85	10	0.10	0.0	0.0	-0.26	0.0	-3.86	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-3.65	-0.13	0.0	0.0	0.0	0.0
85	11	0.10	0.0	0.0	-0.26	0.0	-5.87	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-5.66	-0.13	0.0	0.0	0.0	0.0
85	14	0.10	0.0	0.0	-0.26	0.0	-1.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-0.99	-0.13	0.0	0.0	0.0	0.0
85	15	0.10	0.0	0.0	-0.26	0.0	-2.21	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-2.00	-0.13	0.0	0.0	0.0	0.0
85	17	0.10	0.0	0.0	-0.26	0.0	-1.29	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-1.08	-0.13	0.0	0.0	0.0	0.0
85	18	0.10	0.0	0.0	-0.26	0.0	-1.24	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-1.03	-0.13	0.0	0.0	0.0	0.0
85	28	0.10	0.0	0.0	-0.26	0.0	-37.02	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-36.81	-0.13	0.0	0.0	0.0	0.0
85	29	0.10	0.0	0.0	-0.26	0.0	34.54	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	34.75	-0.13	0.0	0.0	0.0	0.0
85	60	0.10	0.0	0.0	-0.26	0.0	-27.67	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-27.46	-0.13	0.0	0.0	0.0	0.0
85	61	0.10	0.0	0.0	-0.26	0.0	25.19	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	25.40	-0.13	0.0	0.0	0.0	0.0
85	83	0.10	0.0	0.0	-0.26	0.0	5.48	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	5.69	-0.13	0.0	0.0	0.0	0.0
85	84	0.10	0.0	0.0	-0.26	0.0	-7.96	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-7.75	-0.13	0.0	0.0	0.0	0.0
85	96	0.10	0.0	0.0	-0.26	0.0	-43.82	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-43.61	-0.13	0.0	0.0	0.0	0.0
85	97	0.10	0.0	0.0	-0.26	0.0	41.34	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	41.55	-0.13	0.0	0.0	0.0	0.0
86	2	0.13	0.0	0.0	-0.34	0.0	8.91e-03	0.17	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-0.26	-0.17	0.0	0.0	0.0	0.0
86	7	0.10	0.0	0.0	-0.26	0.0	4.85	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	4.64	-0.13	0.0	0.0	0.0	0.0
86	10	0.10	0.0	0.0	-0.26	0.0	-0.24	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-0.45	-0.13	0.0	0.0	0.0	0.0
86	11	0.10	0.0	0.0	-0.26	0.0	2.62	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	2.41	-0.13	0.0	0.0	0.0	0.0
86	14	0.10	0.0	0.0	-0.26	0.0	-2.37	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-2.58	-0.13	0.0	0.0	0.0	0.0
86	15	0.10	0.0	0.0	-0.26	0.0	-0.94	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-1.15	-0.13	0.0	0.0	0.0	0.0
86	17	0.10	0.0	0.0	-0.26	0.0	-1.83	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-2.05	-0.13	0.0	0.0	0.0	0.0
86	18	0.10	0.0	0.0	-0.26	0.0	-2.16	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-2.37	-0.13	0.0	0.0	0.0	0.0
86	28	0.10	0.0	0.0	-0.26	0.0	9.32	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	9.11	-0.13	0.0	0.0	0.0	0.0
86	29	0.10	0.0	0.0	-0.26	0.0	-13.63	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-13.85	-0.13	0.0	0.0	0.0	0.0
86	72	0.10	0.0	0.0	-0.26	0.0	7.14	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	6.93	-0.13	0.0	0.0	0.0	0.0
86	73	0.10	0.0	0.0	-0.26	0.0	-11.46	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-11.67	-0.13	0.0	0.0	0.0	0.0
86	83	0.10	0.0	0.0	-0.26	0.0	-8.76	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-8.97	-0.13	0.0	0.0	0.0	0.0
86	84	0.10	0.0	0.0	-0.26	0.0	4.44	0.13	0.0	0.0	0.0	0.0

86	96	0.0	0.0	0.0	0.0	317.8	4.23	-0.13	0.0	0.0	0.0	0.0
		0.10	0.0	0.0	-0.26	0.0	11.40	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	11.19	-0.13	0.0	0.0	0.0	0.0
86	97	0.10	0.0	0.0	-0.26	0.0	-15.71	0.13	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	317.8	-15.92	-0.13	0.0	0.0	0.0	0.0
87	1	0.0	0.0	2.80e-03	3.43	0.0	0.17	-1.71	0.0	-1.00e-06	0.0	0.0
		-1.06	0.0	1.98e-05	0.0	247.0	0.17	1.71	0.0	-1.00e-06	0.0	0.0
87	2	0.0	0.0	2.80e-03	3.43	0.0	0.17	-1.71	0.0	1.05e-06	0.0	0.0
		-1.06	0.0	9.79e-05	0.0	247.0	0.17	1.71	0.0	1.05e-06	0.0	0.0
87	4	0.0	0.0	2.15e-03	2.64	0.0	0.14	-1.32	0.0	-1.51e-05	0.0	0.0
		-0.81	0.0	9.45e-05	0.0	247.0	0.14	1.32	0.0	-1.51e-05	0.0	0.0
87	5	0.0	0.0	2.78e-03	3.43	0.0	0.19	-1.71	0.0	-4.83e-05	0.0	0.0
		-1.06	0.0	2.31e-05	0.0	247.0	0.19	1.71	0.0	-4.83e-05	0.0	0.0
87	9	0.0	0.0	2.16e-03	2.64	0.0	0.13	-1.32	0.0	6.50e-06	0.0	0.0
		-0.81	0.0	1.47e-05	0.0	247.0	0.13	1.32	0.0	6.50e-06	0.0	0.0
87	10	0.0	0.0	2.16e-03	2.64	0.0	0.13	-1.32	0.0	7.87e-06	0.0	0.0
		-0.81	0.0	6.68e-05	0.0	247.0	0.13	1.32	0.0	7.87e-06	0.0	0.0
87	11	0.0	0.0	2.14e-03	2.64	0.0	0.14	-1.32	0.0	-2.50e-05	0.0	0.0
		-0.81	0.0	1.69e-05	0.0	247.0	0.14	1.32	0.0	-2.50e-05	0.0	0.0
87	13	0.0	0.0	2.18e-03	2.64	0.0	0.10	-1.32	0.0	5.38e-05	0.0	0.0
		-0.81	0.0	1.14e-05	0.0	247.0	0.10	1.32	0.0	5.38e-05	0.0	0.0
87	14	0.0	0.0	2.18e-03	2.64	0.0	0.10	-1.32	0.0	5.45e-05	0.0	0.0
		-0.81	0.0	3.75e-05	0.0	247.0	0.10	1.32	0.0	5.45e-05	0.0	0.0
87	15	0.0	0.0	2.17e-03	2.64	0.0	0.11	-1.32	0.0	3.80e-05	0.0	0.0
		-0.81	0.0	1.25e-05	0.0	247.0	0.11	1.32	0.0	3.80e-05	0.0	0.0
87	17	0.0	0.0	2.18e-03	2.64	0.0	0.10	-1.32	0.0	5.38e-05	0.0	0.0
		-0.81	0.0	1.14e-05	0.0	247.0	0.10	1.32	0.0	5.38e-05	0.0	0.0
87	18	0.0	0.0	2.18e-03	2.64	0.0	0.10	-1.32	0.0	5.42e-05	0.0	0.0
		-0.81	0.0	2.71e-05	0.0	247.0	0.10	1.32	0.0	5.42e-05	0.0	0.0
87	22	0.0	0.0	1.75e-03	2.64	0.0	-0.30	-1.32	0.0	-0.07	0.0	0.0
		-0.81	0.0	-4.54e-03	0.0	247.0	-0.30	1.32	0.0	-0.07	0.0	0.0
87	23	0.0	0.0	2.64e-03	2.64	0.0	0.50	-1.32	0.0	0.07	0.0	0.0
		-0.81	0.0	4.51e-03	0.0	247.0	0.50	1.32	0.0	0.07	0.0	0.0
87	27	0.0	0.0	2.65e-03	2.64	0.0	0.57	-1.32	0.0	0.05	0.0	0.0
		-0.81	0.0	3.25e-03	0.0	247.0	0.57	1.32	0.0	0.05	0.0	0.0
87	30	0.0	0.0	1.74e-03	2.64	0.0	-0.36	-1.32	0.0	-0.05	0.0	0.0
		-0.81	0.0	-3.19e-03	0.0	247.0	-0.36	1.32	0.0	-0.05	0.0	0.0
87	35	0.0	0.0	2.39e-03	2.64	0.0	0.25	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	1.52e-03	0.0	247.0	0.25	1.32	0.0	0.02	0.0	0.0
87	38	0.0	0.0	1.97e-03	2.64	0.0	-0.04	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	-1.46e-03	0.0	247.0	-0.04	1.32	0.0	-0.02	0.0	0.0
87	54	0.0	0.0	1.85e-03	2.64	0.0	-0.19	-1.32	0.0	-0.05	0.0	0.0
		-0.81	0.0	-3.29e-03	0.0	247.0	-0.19	1.32	0.0	-0.05	0.0	0.0
87	59	0.0	0.0	2.51e-03	2.64	0.0	0.44	-1.32	0.0	0.04	0.0	0.0
		-0.81	0.0	2.38e-03	0.0	247.0	0.44	1.32	0.0	0.04	0.0	0.0
87	62	0.0	0.0	1.85e-03	2.64	0.0	-0.24	-1.32	0.0	-0.04	0.0	0.0
		-0.81	0.0	-2.32e-03	0.0	247.0	-0.24	1.32	0.0	-0.04	0.0	0.0
87	72	0.0	0.0	2.20e-03	2.64	0.0	0.17	-1.32	0.0	0.01	0.0	0.0
		-0.81	0.0	6.04e-04	0.0	247.0	0.17	1.32	0.0	0.01	0.0	0.0
87	73	0.0	0.0	2.16e-03	2.64	0.0	0.03	-1.32	0.0	-0.01	0.0	0.0
		-0.81	0.0	-5.49e-04	0.0	247.0	0.03	1.32	0.0	-0.01	0.0	0.0
87	75	0.0	0.0	2.34e-03	2.64	0.0	0.21	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	8.75e-04	0.0	247.0	0.21	1.32	0.0	0.02	0.0	0.0
87	83	0.0	0.0	2.25e-03	2.64	0.0	0.13	-1.32	0.0	5.15e-04	0.0	0.0
		-0.81	0.0	1.33e-04	0.0	247.0	0.13	1.32	0.0	5.15e-04	0.0	0.0
87	84	0.0	0.0	2.11e-03	2.64	0.0	0.08	-1.32	0.0	-4.07e-04	0.0	0.0
		-0.81	0.0	-7.87e-05	0.0	247.0	0.08	1.32	0.0	-4.07e-04	0.0	0.0
87	85	0.0	0.0	2.24e-03	2.64	0.0	0.12	-1.32	0.0	1.02e-03	0.0	0.0
		-0.81	0.0	-9.53e-05	0.0	247.0	0.12	1.32	0.0	1.02e-03	0.0	0.0
87	90	0.0	0.0	1.67e-03	2.64	0.0	-0.37	-1.32	0.0	-0.08	0.0	0.0
		-0.81	0.0	-5.44e-03	0.0	247.0	-0.37	1.32	0.0	-0.08	0.0	0.0
87	95	0.0	0.0	2.74e-03	2.64	0.0	0.66	-1.32	0.0	0.06	0.0	0.0
		-0.81	0.0	3.87e-03	0.0	247.0	0.66	1.32	0.0	0.06	0.0	0.0
87	98	0.0	0.0	1.67e-03	2.64	0.0	-0.45	-1.32	0.0	-0.06	0.0	0.0
		-0.81	0.0	-3.82e-03	0.0	247.0	-0.45	1.32	0.0	-0.06	0.0	0.0
87	103	0.0	0.0	2.43e-03	2.64	0.0	0.27	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	1.81e-03	0.0	247.0	0.27	1.32	0.0	0.02	0.0	0.0
87	106	0.0	0.0	1.93e-03	2.64	0.0	-0.07	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	-1.75e-03	0.0	247.0	-0.07	1.32	0.0	-0.02	0.0	0.0
87	111	0.0	0.0	2.42e-03	2.64	0.0	0.27	-1.32	0.0	0.03	0.0	0.0
		-0.81	0.0	1.49e-03	0.0	247.0	0.27	1.32	0.0	0.03	0.0	0.0
88	1	0.43	0.0	-4.74e-04	-2.19	0.0	0.19	1.10	0.0	3.49e-04	0.0	0.0
		0.0	0.0	-4.26e-05	0.0	158.0	0.19	-1.10	0.0	3.49e-04	0.0	0.0
88	3	0.33	0.0	-3.65e-04	-1.69	0.0	0.15	0.84	0.0	3.99e-04	0.0	0.0
		0.0	0.0	-4.12e-05	0.0	158.0	0.15	-0.84	0.0	3.99e-04	0.0	0.0

88	6	0.43	0.0	-4.71e-04	-2.19	0.0	0.22	1.10	0.0	1.26e-04	0.0	0.0
		0.0	0.0	-8.83e-05	0.0	158.0	0.22	-1.10	0.0	1.26e-04	0.0	0.0
88	7	0.33	0.0	-3.66e-04	-1.69	0.0	0.17	0.84	0.0	7.75e-04	0.0	0.0
		0.0	0.0	-6.56e-05	0.0	158.0	0.17	-0.84	0.0	7.75e-04	0.0	0.0
88	9	0.33	0.0	-3.65e-04	-1.69	0.0	0.14	0.84	0.0	2.11e-04	0.0	0.0
		0.0	0.0	-2.91e-05	0.0	158.0	0.14	-0.84	0.0	2.11e-04	0.0	0.0
88	11	0.33	0.0	-3.65e-04	-1.69	0.0	0.16	0.84	0.0	4.62e-04	0.0	0.0
		0.0	0.0	-4.53e-05	0.0	158.0	0.16	-0.84	0.0	4.62e-04	0.0	0.0
88	12	0.33	0.0	-3.63e-04	-1.69	0.0	0.16	0.84	0.0	6.22e-05	0.0	0.0
		0.0	0.0	-5.95e-05	0.0	158.0	0.16	-0.84	0.0	6.22e-05	0.0	0.0
88	13	0.33	0.0	-3.64e-04	-1.69	0.0	0.13	0.84	0.0	-1.66e-04	0.0	0.0
		0.0	0.0	-4.71e-06	0.0	158.0	0.13	-0.84	0.0	-1.66e-04	0.0	0.0
88	14	0.33	0.0	-3.62e-04	-1.69	0.0	0.13	0.84	0.0	-4.51e-04	0.0	0.0
		0.0	0.0	-1.49e-05	0.0	158.0	0.13	-0.84	0.0	-4.51e-04	0.0	0.0
88	16	0.33	0.0	-3.63e-04	-1.69	0.0	0.13	0.84	0.0	-2.11e-04	0.0	0.0
		0.0	0.0	-1.89e-05	0.0	158.0	0.13	-0.84	0.0	-2.11e-04	0.0	0.0
88	17	0.33	0.0	-3.64e-04	-1.69	0.0	0.13	0.84	0.0	-1.66e-04	0.0	0.0
		0.0	0.0	-4.71e-06	0.0	158.0	0.13	-0.84	0.0	-1.66e-04	0.0	0.0
88	18	0.33	0.0	-3.63e-04	-1.69	0.0	0.13	0.84	0.0	-3.37e-04	0.0	0.0
		0.0	0.0	-1.08e-05	0.0	158.0	0.13	-0.84	0.0	-3.37e-04	0.0	0.0
88	28	0.33	0.0	-2.63e-03	-1.69	0.0	0.27	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-9.35e-04	0.0	158.0	0.27	-0.84	0.0	-0.01	0.0	0.0
88	29	0.33	0.0	2.64e-03	-1.69	0.0	-0.02	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	9.14e-04	0.0	158.0	-0.02	-0.84	0.0	0.01	0.0	0.0
88	31	0.33	0.0	-2.63e-03	-1.69	0.0	0.25	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-8.96e-04	0.0	158.0	0.25	-0.84	0.0	-0.01	0.0	0.0
88	43	0.33	0.0	-8.23e-04	-1.69	0.0	0.12	0.84	0.0	-5.70e-03	0.0	0.0
		0.0	0.0	-2.05e-04	0.0	158.0	0.12	-0.84	0.0	-5.70e-03	0.0	0.0
88	46	0.33	0.0	7.60e-04	-1.69	0.0	0.13	0.84	0.0	5.02e-03	0.0	0.0
		0.0	0.0	1.84e-04	0.0	158.0	0.13	-0.84	0.0	5.02e-03	0.0	0.0
88	60	0.33	0.0	-1.91e-03	-1.69	0.0	0.24	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-6.84e-04	0.0	158.0	0.24	-0.84	0.0	-0.01	0.0	0.0
88	61	0.33	0.0	1.92e-03	-1.69	0.0	0.02	0.84	0.0	9.58e-03	0.0	0.0
		0.0	0.0	6.62e-04	0.0	158.0	0.02	-0.84	0.0	9.58e-03	0.0	0.0
88	63	0.33	0.0	-1.91e-03	-1.69	0.0	0.21	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-6.51e-04	0.0	158.0	0.21	-0.84	0.0	-0.01	0.0	0.0
88	75	0.33	0.0	-6.79e-04	-1.69	0.0	0.12	0.84	0.0	-4.35e-03	0.0	0.0
		0.0	0.0	-1.38e-04	0.0	158.0	0.12	-0.84	0.0	-4.35e-03	0.0	0.0
88	78	0.33	0.0	5.54e-04	-1.69	0.0	0.13	0.84	0.0	3.67e-03	0.0	0.0
		0.0	0.0	1.17e-04	0.0	158.0	0.13	-0.84	0.0	3.67e-03	0.0	0.0
88	83	0.33	0.0	-3.64e-04	-1.69	0.0	0.09	0.84	0.0	-1.08e-03	0.0	0.0
		0.0	0.0	-3.64e-06	0.0	158.0	0.09	-0.84	0.0	-1.08e-03	0.0	0.0
88	84	0.33	0.0	-3.62e-04	-1.69	0.0	0.16	0.84	0.0	4.09e-04	0.0	0.0
		0.0	0.0	-1.80e-05	0.0	158.0	0.16	-0.84	0.0	4.09e-04	0.0	0.0
88	85	0.33	0.0	-3.66e-04	-1.69	0.0	0.10	0.84	0.0	-1.09e-03	0.0	0.0
		0.0	0.0	7.91e-05	0.0	158.0	0.10	-0.84	0.0	-1.09e-03	0.0	0.0
88	86	0.33	0.0	-3.60e-04	-1.69	0.0	0.16	0.84	0.0	4.14e-04	0.0	0.0
		0.0	0.0	-1.01e-04	0.0	158.0	0.16	-0.84	0.0	4.14e-04	0.0	0.0
88	96	0.33	0.0	-3.14e-03	-1.69	0.0	0.30	0.84	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.11e-03	0.0	158.0	0.30	-0.84	0.0	-0.02	0.0	0.0
88	97	0.33	0.0	3.15e-03	-1.69	0.0	-0.05	0.84	0.0	0.02	0.0	0.0
		0.0	0.0	1.09e-03	0.0	158.0	-0.05	-0.84	0.0	0.02	0.0	0.0
88	99	0.33	0.0	-3.14e-03	-1.69	0.0	0.27	0.84	0.0	-0.02	0.0	0.0
		0.0	0.0	-1.07e-03	0.0	158.0	0.27	-0.84	0.0	-0.02	0.0	0.0
88	111	0.33	0.0	-9.36e-04	-1.69	0.0	0.12	0.84	0.0	-6.71e-03	0.0	0.0
		0.0	0.0	-2.49e-04	0.0	158.0	0.12	-0.84	0.0	-6.71e-03	0.0	0.0
88	114	0.33	0.0	9.09e-04	-1.69	0.0	0.13	0.84	0.0	6.03e-03	0.0	0.0
		0.0	0.0	2.27e-04	0.0	158.0	0.13	-0.84	0.0	6.03e-03	0.0	0.0
89	1	1.06	0.0	-2.80e-03	-3.43	0.0	0.02	1.71	0.0	-8.48e-05	0.0	0.0
		0.0	0.0	-1.96e-05	0.0	247.0	0.02	-1.71	0.0	-8.48e-05	0.0	0.0
89	4	0.81	0.0	-2.13e-03	-2.64	0.0	-0.05	1.32	0.0	-2.25e-04	0.0	0.0
		0.0	0.0	-9.07e-05	0.0	247.0	-0.05	-1.32	0.0	-2.25e-04	0.0	0.0
89	8	0.81	0.0	-2.11e-03	-2.64	0.0	-0.15	1.32	0.0	-2.25e-04	0.0	0.0
		0.0	0.0	-6.95e-05	0.0	247.0	-0.15	-1.32	0.0	-2.25e-04	0.0	0.0
89	9	0.81	0.0	-2.16e-03	-2.64	0.0	0.04	1.32	0.0	-5.86e-05	0.0	0.0
		0.0	0.0	-1.49e-05	0.0	247.0	0.04	-1.32	0.0	-5.86e-05	0.0	0.0
89	10	0.81	0.0	-2.14e-03	-2.64	0.0	0.01	1.32	0.0	-1.55e-04	0.0	0.0
		0.0	0.0	-6.50e-05	0.0	247.0	0.01	-1.32	0.0	-1.55e-04	0.0	0.0
89	12	0.81	0.0	-2.13e-03	-2.64	0.0	-0.05	1.32	0.0	-1.55e-04	0.0	0.0
		0.0	0.0	-5.08e-05	0.0	247.0	-0.05	-1.32	0.0	-1.55e-04	0.0	0.0
89	13	0.81	0.0	-2.18e-03	-2.64	0.0	0.15	1.32	0.0	-1.57e-05	0.0	0.0
		0.0	0.0	-1.35e-05	0.0	247.0	0.15	-1.32	0.0	-1.57e-05	0.0	0.0
89	14	0.81	0.0	-2.17e-03	-2.64	0.0	0.14	1.32	0.0	-6.42e-05	0.0	0.0
		0.0	0.0	-3.86e-05	0.0	247.0	0.14	-1.32	0.0	-6.42e-05	0.0	0.0
89	16	0.81	0.0	-2.16e-03	-2.64	0.0	0.10	1.32	0.0	-5.91e-05	0.0	0.0

		0.0	0.0	-2.90e-05	0.0	247.0	0.10	-1.32	0.0	-5.91e-05	0.0	0.0
89	17	0.81	0.0	-2.18e-03	-2.64	0.0	0.15	1.32	0.0	-1.57e-05	0.0	0.0
		0.0	0.0	-1.35e-05	0.0	247.0	0.15	-1.32	0.0	-1.57e-05	0.0	0.0
89	18	0.81	0.0	-2.17e-03	-2.64	0.0	0.14	1.32	0.0	-4.48e-05	0.0	0.0
		0.0	0.0	-2.86e-05	0.0	247.0	0.14	-1.32	0.0	-4.48e-05	0.0	0.0
89	20	0.81	0.0	-1.76e-03	-2.64	0.0	-0.46	1.32	0.0	0.06	0.0	0.0
		0.0	0.0	-7.24e-03	0.0	247.0	-0.46	-1.32	0.0	0.06	0.0	0.0
89	21	0.81	0.0	-2.61e-03	-2.64	0.0	0.74	1.32	0.0	-0.06	0.0	0.0
		0.0	0.0	7.18e-03	0.0	247.0	0.74	-1.32	0.0	-0.06	0.0	0.0
89	27	0.81	0.0	-1.79e-03	-2.64	0.0	-0.37	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	-5.32e-03	0.0	247.0	-0.37	-1.32	0.0	0.04	0.0	0.0
89	28	0.81	0.0	-1.75e-03	-2.64	0.0	-0.51	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	-5.26e-03	0.0	247.0	-0.51	-1.32	0.0	0.04	0.0	0.0
89	29	0.81	0.0	-2.62e-03	-2.64	0.0	0.79	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	5.20e-03	0.0	247.0	0.79	-1.32	0.0	-0.04	0.0	0.0
89	30	0.81	0.0	-2.57e-03	-2.64	0.0	0.65	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	5.27e-03	0.0	247.0	0.65	-1.32	0.0	-0.04	0.0	0.0
89	52	0.81	0.0	-1.86e-03	-2.64	0.0	-0.30	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	-5.25e-03	0.0	247.0	-0.30	-1.32	0.0	0.04	0.0	0.0
89	53	0.81	0.0	-2.49e-03	-2.64	0.0	0.58	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	5.19e-03	0.0	247.0	0.58	-1.32	0.0	-0.04	0.0	0.0
89	59	0.81	0.0	-1.89e-03	-2.64	0.0	-0.22	1.32	0.0	0.03	0.0	0.0
		0.0	0.0	-3.89e-03	0.0	247.0	-0.22	-1.32	0.0	0.03	0.0	0.0
89	60	0.81	0.0	-1.85e-03	-2.64	0.0	-0.34	1.32	0.0	0.03	0.0	0.0
		0.0	0.0	-3.83e-03	0.0	247.0	-0.34	-1.32	0.0	0.03	0.0	0.0
89	61	0.81	0.0	-2.49e-03	-2.64	0.0	0.62	1.32	0.0	-0.03	0.0	0.0
		0.0	0.0	3.77e-03	0.0	247.0	0.62	-1.32	0.0	-0.03	0.0	0.0
89	62	0.81	0.0	-2.45e-03	-2.64	0.0	0.50	1.32	0.0	-0.03	0.0	0.0
		0.0	0.0	3.83e-03	0.0	247.0	0.50	-1.32	0.0	-0.03	0.0	0.0
89	83	0.81	0.0	-2.23e-03	-2.64	0.0	0.32	1.32	0.0	7.64e-04	0.0	0.0
		0.0	0.0	-1.13e-04	0.0	247.0	0.32	-1.32	0.0	7.64e-04	0.0	0.0
89	84	0.81	0.0	-2.11e-03	-2.64	0.0	-0.04	1.32	0.0	-8.54e-04	0.0	0.0
		0.0	0.0	5.61e-05	0.0	247.0	-0.04	-1.32	0.0	-8.54e-04	0.0	0.0
89	88	0.81	0.0	-1.68e-03	-2.64	0.0	-0.58	1.32	0.0	0.07	0.0	0.0
		0.0	0.0	-8.67e-03	0.0	247.0	-0.58	-1.32	0.0	0.07	0.0	0.0
89	89	0.81	0.0	-2.70e-03	-2.64	0.0	0.86	1.32	0.0	-0.07	0.0	0.0
		0.0	0.0	8.61e-03	0.0	247.0	0.86	-1.32	0.0	-0.07	0.0	0.0
89	95	0.81	0.0	-1.72e-03	-2.64	0.0	-0.47	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	-6.35e-03	0.0	247.0	-0.47	-1.32	0.0	0.05	0.0	0.0
89	96	0.81	0.0	-1.68e-03	-2.64	0.0	-0.64	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	-6.28e-03	0.0	247.0	-0.64	-1.32	0.0	0.05	0.0	0.0
89	97	0.81	0.0	-2.71e-03	-2.64	0.0	0.92	1.32	0.0	-0.05	0.0	0.0
		0.0	0.0	6.22e-03	0.0	247.0	0.92	-1.32	0.0	-0.05	0.0	0.0
89	98	0.81	0.0	-2.65e-03	-2.64	0.0	0.75	1.32	0.0	-0.05	0.0	0.0
		0.0	0.0	6.29e-03	0.0	247.0	0.75	-1.32	0.0	-0.05	0.0	0.0
91	1	0.0	0.0	2.80e-03	3.43	0.0	0.19	-1.71	0.0	-1.03e-04	0.0	0.0
		-1.06	0.0	1.72e-05	0.0	247.0	0.19	1.71	0.0	-1.03e-04	0.0	0.0
91	2	0.0	0.0	2.81e-03	3.43	0.0	0.20	-1.71	0.0	-2.53e-04	0.0	0.0
		-1.06	0.0	9.19e-05	0.0	247.0	0.20	1.71	0.0	-2.53e-04	0.0	0.0
91	7	0.0	0.0	2.13e-03	2.64	0.0	0.14	-1.32	0.0	-1.32e-04	0.0	0.0
		-0.81	0.0	1.51e-05	0.0	247.0	0.14	1.32	0.0	-1.32e-04	0.0	0.0
91	9	0.0	0.0	2.16e-03	2.64	0.0	0.15	-1.32	0.0	-7.35e-05	0.0	0.0
		-0.81	0.0	1.30e-05	0.0	247.0	0.15	1.32	0.0	-7.35e-05	0.0	0.0
91	10	0.0	0.0	2.16e-03	2.64	0.0	0.16	-1.32	0.0	-1.74e-04	0.0	0.0
		-0.81	0.0	6.28e-05	0.0	247.0	0.16	1.32	0.0	-1.74e-04	0.0	0.0
91	11	0.0	0.0	2.15e-03	2.64	0.0	0.14	-1.32	0.0	-9.93e-05	0.0	0.0
		-0.81	0.0	1.40e-05	0.0	247.0	0.14	1.32	0.0	-9.93e-05	0.0	0.0
91	13	0.0	0.0	2.18e-03	2.64	0.0	0.16	-1.32	0.0	-3.46e-05	0.0	0.0
		-0.81	0.0	1.16e-05	0.0	247.0	0.16	1.32	0.0	-3.46e-05	0.0	0.0
91	14	0.0	0.0	2.18e-03	2.64	0.0	0.16	-1.32	0.0	-8.47e-05	0.0	0.0
		-0.81	0.0	3.65e-05	0.0	247.0	0.16	1.32	0.0	-8.47e-05	0.0	0.0
91	15	0.0	0.0	2.17e-03	2.64	0.0	0.15	-1.32	0.0	-4.76e-05	0.0	0.0
		-0.81	0.0	1.21e-05	0.0	247.0	0.15	1.32	0.0	-4.76e-05	0.0	0.0
91	17	0.0	0.0	2.18e-03	2.64	0.0	0.16	-1.32	0.0	-3.46e-05	0.0	0.0
		-0.81	0.0	1.16e-05	0.0	247.0	0.16	1.32	0.0	-3.46e-05	0.0	0.0
91	18	0.0	0.0	2.18e-03	2.64	0.0	0.16	-1.32	0.0	-6.47e-05	0.0	0.0
		-0.81	0.0	2.66e-05	0.0	247.0	0.16	1.32	0.0	-6.47e-05	0.0	0.0
91	27	0.0	0.0	2.63e-03	2.64	0.0	0.97	-1.32	0.0	0.04	0.0	0.0
		-0.81	0.0	5.32e-03	0.0	247.0	0.97	1.32	0.0	0.04	0.0	0.0
91	30	0.0	0.0	1.76e-03	2.64	0.0	-0.66	-1.32	0.0	-0.04	0.0	0.0
		-0.81	0.0	-5.26e-03	0.0	247.0	-0.66	1.32	0.0	-0.04	0.0	0.0
91	33	0.0	0.0	1.80e-03	2.64	0.0	-0.61	-1.32	0.0	-0.04	0.0	0.0
		-0.81	0.0	-5.27e-03	0.0	247.0	-0.61	1.32	0.0	-0.04	0.0	0.0
91	46	0.0	0.0	1.98e-03	2.64	0.0	-0.12	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	-2.01e-03	0.0	247.0	-0.12	1.32	0.0	-0.02	0.0	0.0

91	59	0.0	0.0	2.50e-03	2.64	0.0	0.76	-1.32	0.0	0.03	0.0	0.0
		-0.81	0.0	3.88e-03	0.0	247.0	0.76	1.32	0.0	0.03	0.0	0.0
91	62	0.0	0.0	1.86e-03	2.64	0.0	-0.44	-1.32	0.0	-0.03	0.0	0.0
		-0.81	0.0	-3.83e-03	0.0	247.0	-0.44	1.32	0.0	-0.03	0.0	0.0
91	65	0.0	0.0	1.90e-03	2.64	0.0	-0.40	-1.32	0.0	-0.03	0.0	0.0
		-0.81	0.0	-3.83e-03	0.0	247.0	-0.40	1.32	0.0	-0.03	0.0	0.0
91	78	0.0	0.0	2.02e-03	2.64	0.0	-0.06	-1.32	0.0	-0.01	0.0	0.0
		-0.81	0.0	-1.43e-03	0.0	247.0	-0.06	1.32	0.0	-0.01	0.0	0.0
91	83	0.0	0.0	2.25e-03	2.64	0.0	0.23	-1.32	0.0	7.48e-04	0.0	0.0
		-0.81	0.0	1.11e-04	0.0	247.0	0.23	1.32	0.0	7.48e-04	0.0	0.0
91	84	0.0	0.0	2.11e-03	2.64	0.0	0.09	-1.32	0.0	-8.77e-04	0.0	0.0
		-0.81	0.0	-5.81e-05	0.0	247.0	0.09	1.32	0.0	-8.77e-04	0.0	0.0
91	85	0.0	0.0	2.25e-03	2.64	0.0	0.21	-1.32	0.0	1.64e-03	0.0	0.0
		-0.81	0.0	-7.67e-05	0.0	247.0	0.21	1.32	0.0	1.64e-03	0.0	0.0
91	86	0.0	0.0	2.12e-03	2.64	0.0	0.11	-1.32	0.0	-1.76e-03	0.0	0.0
		-0.81	0.0	1.30e-04	0.0	247.0	0.11	1.32	0.0	-1.76e-03	0.0	0.0
91	95	0.0	0.0	2.72e-03	2.64	0.0	1.13	-1.32	0.0	0.05	0.0	0.0
		-0.81	0.0	6.34e-03	0.0	247.0	1.13	1.32	0.0	0.05	0.0	0.0
91	98	0.0	0.0	1.68e-03	2.64	0.0	-0.81	-1.32	0.0	-0.05	0.0	0.0
		-0.81	0.0	-6.29e-03	0.0	247.0	-0.81	1.32	0.0	-0.05	0.0	0.0
91	101	0.0	0.0	1.73e-03	2.64	0.0	-0.76	-1.32	0.0	-0.05	0.0	0.0
		-0.81	0.0	-6.30e-03	0.0	247.0	-0.76	1.32	0.0	-0.05	0.0	0.0
91	114	0.0	0.0	1.94e-03	2.64	0.0	-0.18	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	-2.43e-03	0.0	247.0	-0.18	1.32	0.0	-0.02	0.0	0.0
92	1	0.43	0.0	-4.75e-04	-2.19	0.0	0.32	1.10	0.0	8.68e-05	0.0	0.0
		0.0	0.0	-5.05e-05	0.0	158.0	0.32	-1.10	0.0	8.68e-05	0.0	0.0
92	2	0.43	0.0	-4.69e-04	-2.19	0.0	0.34	1.10	0.0	-8.31e-04	0.0	0.0
		0.0	0.0	-5.72e-05	0.0	158.0	0.34	-1.10	0.0	-8.31e-04	0.0	0.0
92	5	0.43	0.0	-4.76e-04	-2.19	0.0	0.31	1.10	0.0	3.00e-04	0.0	0.0
		0.0	0.0	-8.41e-05	0.0	158.0	0.31	-1.10	0.0	3.00e-04	0.0	0.0
92	7	0.33	0.0	-3.67e-04	-1.69	0.0	0.23	0.84	0.0	3.53e-04	0.0	0.0
		0.0	0.0	-8.40e-05	0.0	158.0	0.23	-0.84	0.0	3.53e-04	0.0	0.0
92	8	0.33	0.0	-3.63e-04	-1.69	0.0	0.24	0.84	0.0	-2.89e-04	0.0	0.0
		0.0	0.0	-8.87e-05	0.0	158.0	0.24	-0.84	0.0	-2.89e-04	0.0	0.0
92	9	0.33	0.0	-3.65e-04	-1.69	0.0	0.25	0.84	0.0	3.40e-05	0.0	0.0
		0.0	0.0	-3.37e-05	0.0	158.0	0.25	-0.84	0.0	3.40e-05	0.0	0.0
92	10	0.33	0.0	-3.61e-04	-1.69	0.0	0.26	0.84	0.0	-5.78e-04	0.0	0.0
		0.0	0.0	-3.82e-05	0.0	158.0	0.26	-0.84	0.0	-5.78e-04	0.0	0.0
92	11	0.33	0.0	-3.66e-04	-1.69	0.0	0.24	0.84	0.0	1.76e-04	0.0	0.0
		0.0	0.0	-5.61e-05	0.0	158.0	0.24	-0.84	0.0	1.76e-04	0.0	0.0
92	12	0.33	0.0	-3.63e-04	-1.69	0.0	0.25	0.84	0.0	-2.52e-04	0.0	0.0
		0.0	0.0	-5.92e-05	0.0	158.0	0.25	-0.84	0.0	-2.52e-04	0.0	0.0
92	13	0.33	0.0	-3.64e-04	-1.69	0.0	0.26	0.84	0.0	-1.79e-04	0.0	0.0
		0.0	0.0	0.0	0.0	158.0	0.26	-0.84	0.0	-1.79e-04	0.0	0.0
92	14	0.33	0.0	-3.62e-04	-1.69	0.0	0.27	0.84	0.0	-4.85e-04	0.0	0.0
		0.0	0.0	-2.35e-06	0.0	158.0	0.27	-0.84	0.0	-4.85e-04	0.0	0.0
92	15	0.33	0.0	-3.64e-04	-1.69	0.0	0.26	0.84	0.0	-1.08e-04	0.0	0.0
		0.0	0.0	-1.13e-05	0.0	158.0	0.26	-0.84	0.0	-1.08e-04	0.0	0.0
92	16	0.33	0.0	-3.63e-04	-1.69	0.0	0.26	0.84	0.0	-2.91e-04	0.0	0.0
		0.0	0.0	-1.26e-05	0.0	158.0	0.26	-0.84	0.0	-2.91e-04	0.0	0.0
92	17	0.33	0.0	-3.64e-04	-1.69	0.0	0.26	0.84	0.0	-1.79e-04	0.0	0.0
		0.0	0.0	0.0	0.0	158.0	0.26	-0.84	0.0	-1.79e-04	0.0	0.0
92	18	0.33	0.0	-3.63e-04	-1.69	0.0	0.27	0.84	0.0	-3.62e-04	0.0	0.0
		0.0	0.0	-1.45e-06	0.0	158.0	0.27	-0.84	0.0	-3.62e-04	0.0	0.0
92	20	0.33	0.0	-2.42e-03	-1.69	0.0	0.52	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-6.65e-04	0.0	158.0	0.52	-0.84	0.0	-0.01	0.0	0.0
92	27	0.33	0.0	-2.56e-03	-1.69	0.0	0.51	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-5.38e-04	0.0	158.0	0.51	-0.84	0.0	-0.01	0.0	0.0
92	28	0.33	0.0	-2.56e-03	-1.69	0.0	0.54	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-5.57e-04	0.0	158.0	0.54	-0.84	0.0	-0.01	0.0	0.0
92	29	0.33	0.0	2.57e-03	-1.69	0.0	-6.85e-03	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	5.54e-04	0.0	158.0	-6.85e-03	-0.84	0.0	0.01	0.0	0.0
92	30	0.33	0.0	2.57e-03	-1.69	0.0	0.02	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	5.35e-04	0.0	158.0	0.02	-0.84	0.0	0.01	0.0	0.0
92	33	0.33	0.0	2.57e-03	-1.69	0.0	-6.51e-03	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	5.86e-04	0.0	158.0	-6.51e-03	-0.84	0.0	0.01	0.0	0.0
92	52	0.33	0.0	-1.75e-03	-1.69	0.0	0.45	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-4.84e-04	0.0	158.0	0.45	-0.84	0.0	-0.01	0.0	0.0
92	59	0.33	0.0	-1.86e-03	-1.69	0.0	0.45	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-3.92e-04	0.0	158.0	0.45	-0.84	0.0	-0.01	0.0	0.0
92	60	0.33	0.0	-1.86e-03	-1.69	0.0	0.47	0.84	0.0	-9.75e-03	0.0	0.0
		0.0	0.0	-4.06e-04	0.0	158.0	0.47	-0.84	0.0	-9.75e-03	0.0	0.0
92	61	0.33	0.0	1.87e-03	-1.69	0.0	0.07	0.84	0.0	9.03e-03	0.0	0.0
		0.0	0.0	4.03e-04	0.0	158.0	0.07	-0.84	0.0	9.03e-03	0.0	0.0
92	62	0.33	0.0	1.87e-03	-1.69	0.0	0.09	0.84	0.0	9.41e-03	0.0	0.0

		0.0	0.0	3.89e-04	0.0	158.0	0.09	-0.84	0.0	9.41e-03	0.0	0.0
92	83	0.33	0.0	-3.64e-04	-1.69	0.0	0.23	0.84	0.0	-9.28e-04	0.0	0.0
		0.0	0.0	1.94e-05	0.0	158.0	0.23	-0.84	0.0	-9.28e-04	0.0	0.0
92	84	0.33	0.0	-3.62e-04	-1.69	0.0	0.30	0.84	0.0	2.03e-04	0.0	0.0
		0.0	0.0	-2.23e-05	0.0	158.0	0.30	-0.84	0.0	2.03e-04	0.0	0.0
92	85	0.33	0.0	-3.65e-04	-1.69	0.0	0.24	0.84	0.0	-8.57e-04	0.0	0.0
		0.0	0.0	1.03e-04	0.0	158.0	0.24	-0.84	0.0	-8.57e-04	0.0	0.0
92	88	0.33	0.0	-2.90e-03	-1.69	0.0	0.57	0.84	0.0	-0.02	0.0	0.0
		0.0	0.0	-7.96e-04	0.0	158.0	0.57	-0.84	0.0	-0.02	0.0	0.0
92	95	0.33	0.0	-3.06e-03	-1.69	0.0	0.56	0.84	0.0	-0.02	0.0	0.0
		0.0	0.0	-6.42e-04	0.0	158.0	0.56	-0.84	0.0	-0.02	0.0	0.0
92	96	0.33	0.0	-3.06e-03	-1.69	0.0	0.59	0.84	0.0	-0.02	0.0	0.0
		0.0	0.0	-6.64e-04	0.0	158.0	0.59	-0.84	0.0	-0.02	0.0	0.0
92	97	0.33	0.0	3.07e-03	-1.69	0.0	-0.06	0.84	0.0	0.02	0.0	0.0
		0.0	0.0	6.61e-04	0.0	158.0	-0.06	-0.84	0.0	0.02	0.0	0.0
92	98	0.33	0.0	3.07e-03	-1.69	0.0	-0.03	0.84	0.0	0.02	0.0	0.0
		0.0	0.0	6.39e-04	0.0	158.0	-0.03	-0.84	0.0	0.02	0.0	0.0
92	101	0.33	0.0	3.06e-03	-1.69	0.0	-0.06	0.84	0.0	0.02	0.0	0.0
		0.0	0.0	6.98e-04	0.0	158.0	-0.06	-0.84	0.0	0.02	0.0	0.0
93	1	1.06	0.0	-2.80e-03	-3.43	0.0	1.40	1.71	0.0	-5.93e-05	0.0	0.0
		0.0	0.0	-1.69e-05	0.0	247.0	1.40	-1.71	0.0	-5.93e-05	0.0	0.0
93	2	1.06	0.0	-2.78e-03	-3.43	0.0	1.52	1.71	0.0	-3.01e-04	0.0	0.0
		0.0	0.0	-8.35e-05	0.0	247.0	1.52	-1.71	0.0	-3.01e-04	0.0	0.0
93	3	0.81	0.0	-2.15e-03	-2.64	0.0	1.33	1.32	0.0	-5.27e-05	0.0	0.0
		0.0	0.0	-1.31e-05	0.0	247.0	1.33	-1.32	0.0	-5.27e-05	0.0	0.0
93	6	1.06	0.0	-2.77e-03	-3.43	0.0	2.22	1.71	0.0	-2.49e-04	0.0	0.0
		0.0	0.0	-6.37e-05	0.0	247.0	2.22	-1.71	0.0	-2.49e-04	0.0	0.0
93	7	0.81	0.0	-2.13e-03	-2.64	0.0	2.06	1.32	0.0	-7.34e-05	0.0	0.0
		0.0	0.0	-1.32e-05	0.0	247.0	2.06	-1.32	0.0	-7.34e-05	0.0	0.0
93	9	0.81	0.0	-2.16e-03	-2.64	0.0	0.97	1.32	0.0	-4.24e-05	0.0	0.0
		0.0	0.0	-1.30e-05	0.0	247.0	0.97	-1.32	0.0	-4.24e-05	0.0	0.0
93	10	0.81	0.0	-2.14e-03	-2.64	0.0	1.04	1.32	0.0	-2.04e-04	0.0	0.0
		0.0	0.0	-5.74e-05	0.0	247.0	1.04	-1.32	0.0	-2.04e-04	0.0	0.0
93	11	0.81	0.0	-2.14e-03	-2.64	0.0	1.45	1.32	0.0	-5.62e-05	0.0	0.0
		0.0	0.0	-1.31e-05	0.0	247.0	1.45	-1.32	0.0	-5.62e-05	0.0	0.0
93	12	0.81	0.0	-2.13e-03	-2.64	0.0	1.51	1.32	0.0	-1.69e-04	0.0	0.0
		0.0	0.0	-4.42e-05	0.0	247.0	1.51	-1.32	0.0	-1.69e-04	0.0	0.0
93	13	0.81	0.0	-2.18e-03	-2.64	0.0	0.23	1.32	0.0	-2.17e-05	0.0	0.0
		0.0	0.0	-1.29e-05	0.0	247.0	0.23	-1.32	0.0	-2.17e-05	0.0	0.0
93	14	0.81	0.0	-2.17e-03	-2.64	0.0	0.27	1.32	0.0	-1.02e-04	0.0	0.0
		0.0	0.0	-3.51e-05	0.0	247.0	0.27	-1.32	0.0	-1.02e-04	0.0	0.0
93	16	0.81	0.0	-2.17e-03	-2.64	0.0	0.50	1.32	0.0	-7.70e-05	0.0	0.0
		0.0	0.0	-2.62e-05	0.0	247.0	0.50	-1.32	0.0	-7.70e-05	0.0	0.0
93	17	0.81	0.0	-2.18e-03	-2.64	0.0	0.23	1.32	0.0	-2.17e-05	0.0	0.0
		0.0	0.0	-1.29e-05	0.0	247.0	0.23	-1.32	0.0	-2.17e-05	0.0	0.0
93	18	0.81	0.0	-2.17e-03	-2.64	0.0	0.26	1.32	0.0	-7.01e-05	0.0	0.0
		0.0	0.0	-2.62e-05	0.0	247.0	0.26	-1.32	0.0	-7.01e-05	0.0	0.0
93	27	0.81	0.0	-1.81e-03	-2.64	0.0	-1.79	1.32	0.0	0.02	0.0	0.0
		0.0	0.0	-6.71e-03	0.0	247.0	-1.79	-1.32	0.0	0.02	0.0	0.0
93	30	0.81	0.0	-2.54e-03	-2.64	0.0	2.30	1.32	0.0	-0.02	0.0	0.0
		0.0	0.0	6.65e-03	0.0	247.0	2.30	-1.32	0.0	-0.02	0.0	0.0
93	32	0.81	0.0	-1.77e-03	-2.64	0.0	-1.02	1.32	0.0	0.02	0.0	0.0
		0.0	0.0	-6.71e-03	0.0	247.0	-1.02	-1.32	0.0	0.02	0.0	0.0
93	33	0.81	0.0	-2.59e-03	-2.64	0.0	1.53	1.32	0.0	-0.02	0.0	0.0
		0.0	0.0	6.66e-03	0.0	247.0	1.53	-1.32	0.0	-0.02	0.0	0.0
93	37	0.81	0.0	-2.37e-03	-2.64	0.0	-0.69	1.32	0.0	-0.01	0.0	0.0
		0.0	0.0	2.66e-03	0.0	247.0	-0.69	-1.32	0.0	-0.01	0.0	0.0
93	43	0.81	0.0	-2.14e-03	-2.64	0.0	-1.37	1.32	0.0	0.01	0.0	0.0
		0.0	0.0	-2.69e-03	0.0	247.0	-1.37	-1.32	0.0	0.01	0.0	0.0
93	59	0.81	0.0	-1.91e-03	-2.64	0.0	-1.26	1.32	0.0	0.02	0.0	0.0
		0.0	0.0	-4.89e-03	0.0	247.0	-1.26	-1.32	0.0	0.02	0.0	0.0
93	62	0.81	0.0	-2.43e-03	-2.64	0.0	1.78	1.32	0.0	-0.02	0.0	0.0
		0.0	0.0	4.84e-03	0.0	247.0	1.78	-1.32	0.0	-0.02	0.0	0.0
93	64	0.81	0.0	-1.87e-03	-2.64	0.0	-0.64	1.32	0.0	0.02	0.0	0.0
		0.0	0.0	-4.89e-03	0.0	247.0	-0.64	-1.32	0.0	0.02	0.0	0.0
93	65	0.81	0.0	-2.48e-03	-2.64	0.0	1.16	1.32	0.0	-0.02	0.0	0.0
		0.0	0.0	4.84e-03	0.0	247.0	1.16	-1.32	0.0	-0.02	0.0	0.0
93	69	0.81	0.0	-2.33e-03	-2.64	0.0	-0.53	1.32	0.0	-8.15e-03	0.0	0.0
		0.0	0.0	1.91e-03	0.0	247.0	-0.53	-1.32	0.0	-8.15e-03	0.0	0.0
93	75	0.81	0.0	-2.16e-03	-2.64	0.0	-1.01	1.32	0.0	9.28e-03	0.0	0.0
		0.0	0.0	-1.95e-03	0.0	247.0	-1.01	-1.32	0.0	9.28e-03	0.0	0.0
93	83	0.81	0.0	-2.24e-03	-2.64	0.0	-0.73	1.32	0.0	-1.05e-03	0.0	0.0
		0.0	0.0	-8.19e-05	0.0	247.0	-0.73	-1.32	0.0	-1.05e-03	0.0	0.0
93	84	0.81	0.0	-2.11e-03	-2.64	0.0	1.25	1.32	0.0	9.10e-04	0.0	0.0
		0.0	0.0	2.95e-05	0.0	247.0	1.25	-1.32	0.0	9.10e-04	0.0	0.0

93	85	0.81	0.0	-2.23e-03	-2.64	0.0	-0.59	1.32	0.0	2.06e-03	0.0	0.0
		0.0	0.0	4.47e-05	0.0	247.0	-0.59	-1.32	0.0	2.06e-03	0.0	0.0
93	86	0.81	0.0	-2.11e-03	-2.64	0.0	1.10	1.32	0.0	-2.20e-03	0.0	0.0
		0.0	0.0	-9.71e-05	0.0	247.0	1.10	-1.32	0.0	-2.20e-03	0.0	0.0
93	95	0.81	0.0	-1.75e-03	-2.64	0.0	-2.17	1.32	0.0	0.03	0.0	0.0
		0.0	0.0	-8.00e-03	0.0	247.0	-2.17	-1.32	0.0	0.03	0.0	0.0
93	98	0.81	0.0	-2.62e-03	-2.64	0.0	2.69	1.32	0.0	-0.03	0.0	0.0
		0.0	0.0	7.95e-03	0.0	247.0	2.69	-1.32	0.0	-0.03	0.0	0.0
93	100	0.81	0.0	-1.70e-03	-2.64	0.0	-1.28	1.32	0.0	0.03	0.0	0.0
		0.0	0.0	-8.01e-03	0.0	247.0	-1.28	-1.32	0.0	0.03	0.0	0.0
93	101	0.81	0.0	-2.68e-03	-2.64	0.0	1.79	1.32	0.0	-0.03	0.0	0.0
		0.0	0.0	7.96e-03	0.0	247.0	1.79	-1.32	0.0	-0.03	0.0	0.0
93	105	0.81	0.0	-2.40e-03	-2.64	0.0	-0.82	1.32	0.0	-0.01	0.0	0.0
		0.0	0.0	3.20e-03	0.0	247.0	-0.82	-1.32	0.0	-0.01	0.0	0.0
93	111	0.81	0.0	-2.12e-03	-2.64	0.0	-1.64	1.32	0.0	0.01	0.0	0.0
		0.0	0.0	-3.22e-03	0.0	247.0	-1.64	-1.32	0.0	0.01	0.0	0.0
94	1	0.0	0.0	-9.95e-06	1.25	0.0	0.02	-0.63	0.0	-2.74e-04	0.0	0.0
		-0.25	0.0	6.07e-05	0.0	158.0	0.02	0.63	0.0	-2.74e-04	0.0	0.0
94	4	0.0	0.0	-6.68e-05	0.96	0.0	0.01	-0.48	0.0	-8.74e-04	0.0	0.0
		-0.19	0.0	4.46e-05	0.0	158.0	0.01	0.48	0.0	-8.74e-04	0.0	0.0
94	5	0.0	0.0	-5.71e-06	1.25	0.0	0.02	-0.63	0.0	-3.48e-04	0.0	0.0
		-0.25	0.0	1.05e-04	0.0	158.0	0.02	0.63	0.0	-3.48e-04	0.0	0.0
94	6	0.0	0.0	-4.81e-05	1.25	0.0	0.02	-0.63	0.0	-7.95e-04	0.0	0.0
		-0.25	0.0	9.29e-05	0.0	158.0	0.02	0.63	0.0	-7.95e-04	0.0	0.0
94	7	0.0	0.0	3.18e-06	0.96	0.0	0.02	-0.48	0.0	-3.11e-04	0.0	0.0
		-0.19	0.0	1.07e-04	0.0	158.0	0.02	0.48	0.0	-3.11e-04	0.0	0.0
94	10	0.0	0.0	-4.87e-05	0.96	0.0	0.01	-0.48	0.0	-6.25e-04	0.0	0.0
		-0.19	0.0	2.82e-05	0.0	158.0	0.01	0.48	0.0	-6.25e-04	0.0	0.0
94	11	0.0	0.0	-5.48e-06	0.96	0.0	0.02	-0.48	0.0	-2.49e-04	0.0	0.0
		-0.19	0.0	6.95e-05	0.0	158.0	0.02	0.48	0.0	-2.49e-04	0.0	0.0
94	12	0.0	0.0	-3.37e-05	0.96	0.0	0.02	-0.48	0.0	-5.47e-04	0.0	0.0
		-0.19	0.0	6.13e-05	0.0	158.0	0.02	0.48	0.0	-5.47e-04	0.0	0.0
94	13	0.0	0.0	-1.25e-05	0.96	0.0	0.02	-0.48	0.0	-1.25e-04	0.0	0.0
		-0.19	0.0	-4.63e-06	0.0	158.0	0.02	0.48	0.0	-1.25e-04	0.0	0.0
94	14	0.0	0.0	-3.27e-05	0.96	0.0	0.02	-0.48	0.0	-3.38e-04	0.0	0.0
		-0.19	0.0	-1.05e-05	0.0	158.0	0.02	0.48	0.0	-3.38e-04	0.0	0.0
94	15	0.0	0.0	-1.11e-05	0.96	0.0	0.02	-0.48	0.0	-1.50e-04	0.0	0.0
		-0.19	0.0	1.02e-05	0.0	158.0	0.02	0.48	0.0	-1.50e-04	0.0	0.0
94	16	0.0	0.0	-2.32e-05	0.96	0.0	0.02	-0.48	0.0	-2.77e-04	0.0	0.0
		-0.19	0.0	6.69e-06	0.0	158.0	0.02	0.48	0.0	-2.77e-04	0.0	0.0
94	17	0.0	0.0	-1.25e-05	0.96	0.0	0.02	-0.48	0.0	-1.25e-04	0.0	0.0
		-0.19	0.0	-4.63e-06	0.0	158.0	0.02	0.48	0.0	-1.25e-04	0.0	0.0
94	18	0.0	0.0	-2.47e-05	0.96	0.0	0.02	-0.48	0.0	-2.53e-04	0.0	0.0
		-0.19	0.0	-8.15e-06	0.0	158.0	0.02	0.48	0.0	-2.53e-04	0.0	0.0
94	23	0.0	0.0	7.53e-04	0.96	0.0	-2.71	-0.48	0.0	-8.72e-03	0.0	0.0
		-0.19	0.0	2.22e-04	0.0	158.0	-2.71	0.48	0.0	-8.72e-03	0.0	0.0
94	26	0.0	0.0	-8.02e-04	0.96	0.0	2.75	-0.48	0.0	8.22e-03	0.0	0.0
		-0.19	0.0	-2.38e-04	0.0	158.0	2.75	0.48	0.0	8.22e-03	0.0	0.0
94	31	0.0	0.0	8.56e-04	0.96	0.0	-1.95	-0.48	0.0	-8.43e-03	0.0	0.0
		-0.19	0.0	1.27e-04	0.0	158.0	-1.95	0.48	0.0	-8.43e-03	0.0	0.0
94	34	0.0	0.0	-9.05e-04	0.96	0.0	1.99	-0.48	0.0	7.93e-03	0.0	0.0
		-0.19	0.0	-1.43e-04	0.0	158.0	1.99	0.48	0.0	7.93e-03	0.0	0.0
94	35	0.0	0.0	2.00e-04	0.96	0.0	-0.84	-0.48	0.0	-3.05e-03	0.0	0.0
		-0.19	0.0	1.91e-05	0.0	158.0	-0.84	0.48	0.0	-3.05e-03	0.0	0.0
94	38	0.0	0.0	-2.49e-04	0.96	0.0	0.88	-0.48	0.0	2.54e-03	0.0	0.0
		-0.19	0.0	-3.54e-05	0.0	158.0	0.88	0.48	0.0	2.54e-03	0.0	0.0
94	55	0.0	0.0	5.40e-04	0.96	0.0	-1.97	-0.48	0.0	-6.39e-03	0.0	0.0
		-0.19	0.0	1.55e-04	0.0	158.0	-1.97	0.48	0.0	-6.39e-03	0.0	0.0
94	58	0.0	0.0	-5.89e-04	0.96	0.0	2.00	-0.48	0.0	5.88e-03	0.0	0.0
		-0.19	0.0	-1.71e-04	0.0	158.0	2.00	0.48	0.0	5.88e-03	0.0	0.0
94	63	0.0	0.0	6.16e-04	0.96	0.0	-1.42	-0.48	0.0	-6.19e-03	0.0	0.0
		-0.19	0.0	8.72e-05	0.0	158.0	-1.42	0.48	0.0	-6.19e-03	0.0	0.0
94	66	0.0	0.0	-6.65e-04	0.96	0.0	1.46	-0.48	0.0	5.69e-03	0.0	0.0
		-0.19	0.0	-1.03e-04	0.0	158.0	1.46	0.48	0.0	5.69e-03	0.0	0.0
94	67	0.0	0.0	1.37e-04	0.96	0.0	-0.62	-0.48	0.0	-2.30e-03	0.0	0.0
		-0.19	0.0	9.08e-06	0.0	158.0	-0.62	0.48	0.0	-2.30e-03	0.0	0.0
94	70	0.0	0.0	-1.86e-04	0.96	0.0	0.65	-0.48	0.0	1.80e-03	0.0	0.0
		-0.19	0.0	-2.54e-05	0.0	158.0	0.65	0.48	0.0	1.80e-03	0.0	0.0
94	83	0.0	0.0	-3.14e-05	0.96	0.0	-0.03	-0.48	0.0	-4.17e-04	0.0	0.0
		-0.19	0.0	-4.67e-05	0.0	158.0	-0.03	0.48	0.0	-4.17e-04	0.0	0.0
94	84	0.0	0.0	-1.79e-05	0.96	0.0	0.06	-0.48	0.0	-8.80e-05	0.0	0.0
		-0.19	0.0	3.04e-05	0.0	158.0	0.06	0.48	0.0	-8.80e-05	0.0	0.0
94	85	0.0	0.0	-2.44e-05	0.96	0.0	-0.09	-0.48	0.0	-1.32e-05	0.0	0.0
		-0.19	0.0	-1.24e-04	0.0	158.0	-0.09	0.48	0.0	-1.32e-05	0.0	0.0
94	86	0.0	0.0	-2.49e-05	0.96	0.0	0.12	-0.48	0.0	-4.92e-04	0.0	0.0

94	91	-0.19	0.0	1.08e-04	0.0	158.0	0.12	0.48	0.0	-4.92e-04	0.0	0.0
		0.0	0.0	9.07e-04	0.96	0.0	-3.26	-0.48	0.0	-0.01	0.0	0.0
		-0.19	0.0	2.69e-04	0.0	158.0	-3.26	0.48	0.0	-0.01	0.0	0.0
94	94	0.0	0.0	-9.56e-04	0.96	0.0	3.29	-0.48	0.0	9.90e-03	0.0	0.0
		-0.19	0.0	-2.85e-04	0.0	158.0	3.29	0.48	0.0	9.90e-03	0.0	0.0
94	99	0.0	0.0	1.03e-03	0.96	0.0	-2.34	-0.48	0.0	-0.01	0.0	0.0
		-0.19	0.0	1.54e-04	0.0	158.0	-2.34	0.48	0.0	-0.01	0.0	0.0
94	102	0.0	0.0	-1.08e-03	0.96	0.0	2.37	-0.48	0.0	9.52e-03	0.0	0.0
		-0.19	0.0	-1.70e-04	0.0	158.0	2.37	0.48	0.0	9.52e-03	0.0	0.0
94	103	0.0	0.0	2.45e-04	0.96	0.0	-1.01	-0.48	0.0	-3.59e-03	0.0	0.0
		-0.19	0.0	2.65e-05	0.0	158.0	-1.01	0.48	0.0	-3.59e-03	0.0	0.0
94	106	0.0	0.0	-2.94e-04	0.96	0.0	1.05	-0.48	0.0	3.09e-03	0.0	0.0
		-0.19	0.0	-4.28e-05	0.0	158.0	1.05	0.48	0.0	3.09e-03	0.0	0.0
95	1	0.0	0.0	2.81e-03	3.43	0.0	0.30	-1.71	0.0	-1.11e-04	0.0	0.0
		-1.06	0.0	1.24e-05	0.0	247.0	0.30	1.71	0.0	-1.11e-04	0.0	0.0
95	2	0.0	0.0	2.81e-03	3.43	0.0	0.30	-1.71	0.0	-1.32e-04	0.0	0.0
		-1.06	0.0	7.87e-05	0.0	247.0	0.30	1.71	0.0	-3.48e-04	0.0	0.0
95	3	0.0	0.0	2.15e-03	2.64	0.0	0.23	-1.32	0.0	-9.24e-05	0.0	0.0
		-0.81	0.0	9.55e-06	0.0	247.0	0.23	1.32	0.0	-9.24e-05	0.0	0.0
95	5	0.0	0.0	2.79e-03	3.43	0.0	0.31	-1.71	0.0	-1.32e-04	0.0	0.0
		-1.06	0.0	1.25e-05	0.0	247.0	0.31	1.71	0.0	-1.32e-04	0.0	0.0
95	6	0.0	0.0	2.79e-03	3.43	0.0	0.32	-1.71	0.0	-2.98e-04	0.0	0.0
		-1.06	0.0	5.89e-05	0.0	247.0	0.32	1.71	0.0	-2.98e-04	0.0	0.0
95	9	0.0	0.0	2.16e-03	2.64	0.0	0.23	-1.32	0.0	-8.18e-05	0.0	0.0
		-0.81	0.0	9.50e-06	0.0	247.0	0.23	1.32	0.0	-8.18e-05	0.0	0.0
95	10	0.0	0.0	2.16e-03	2.64	0.0	0.23	-1.32	0.0	-2.40e-04	0.0	0.0
		-0.81	0.0	5.37e-05	0.0	247.0	0.23	1.32	0.0	-2.40e-04	0.0	0.0
95	11	0.0	0.0	2.15e-03	2.64	0.0	0.23	-1.32	0.0	-9.59e-05	0.0	0.0
		-0.81	0.0	9.57e-06	0.0	247.0	0.23	1.32	0.0	-9.59e-05	0.0	0.0
95	12	0.0	0.0	2.15e-03	2.64	0.0	0.24	-1.32	0.0	-2.07e-04	0.0	0.0
		-0.81	0.0	4.05e-05	0.0	247.0	0.24	1.32	0.0	-2.07e-04	0.0	0.0
95	13	0.0	0.0	2.18e-03	2.64	0.0	0.21	-1.32	0.0	-6.05e-05	0.0	0.0
		-0.81	0.0	9.40e-06	0.0	247.0	0.21	1.32	0.0	-6.05e-05	0.0	0.0
95	14	0.0	0.0	2.18e-03	2.64	0.0	0.21	-1.32	0.0	-1.40e-04	0.0	0.0
		-0.81	0.0	3.15e-05	0.0	247.0	0.21	1.32	0.0	-1.40e-04	0.0	0.0
95	15	0.0	0.0	2.17e-03	2.64	0.0	0.22	-1.32	0.0	-6.76e-05	0.0	0.0
		-0.81	0.0	9.43e-06	0.0	247.0	0.22	1.32	0.0	-6.76e-05	0.0	0.0
95	16	0.0	0.0	2.17e-03	2.64	0.0	0.22	-1.32	0.0	-1.15e-04	0.0	0.0
		-0.81	0.0	2.27e-05	0.0	247.0	0.22	1.32	0.0	-1.15e-04	0.0	0.0
95	17	0.0	0.0	2.18e-03	2.64	0.0	0.21	-1.32	0.0	-6.05e-05	0.0	0.0
		-0.81	0.0	9.40e-06	0.0	247.0	0.21	1.32	0.0	-6.05e-05	0.0	0.0
95	18	0.0	0.0	2.18e-03	2.64	0.0	0.21	-1.32	0.0	-1.08e-04	0.0	0.0
		-0.81	0.0	2.27e-05	0.0	247.0	0.21	1.32	0.0	-1.08e-04	0.0	0.0
95	19	0.0	0.0	2.60e-03	2.64	0.0	1.44	-1.32	0.0	0.03	0.0	0.0
		-0.81	0.0	9.25e-03	0.0	247.0	1.44	1.32	0.0	0.03	0.0	0.0
95	22	0.0	0.0	1.79e-03	2.64	0.0	-1.01	-1.32	0.0	-0.03	0.0	0.0
		-0.81	0.0	-9.21e-03	0.0	247.0	-1.01	1.32	0.0	-0.03	0.0	0.0
95	28	0.0	0.0	2.55e-03	2.64	0.0	1.56	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	6.67e-03	0.0	247.0	1.56	1.32	0.0	0.02	0.0	0.0
95	29	0.0	0.0	1.82e-03	2.64	0.0	-1.14	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	-6.63e-03	0.0	247.0	-1.14	1.32	0.0	-0.02	0.0	0.0
95	30	0.0	0.0	1.78e-03	2.64	0.0	-1.11	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	-6.67e-03	0.0	247.0	-1.11	1.32	0.0	-0.02	0.0	0.0
95	51	0.0	0.0	2.48e-03	2.64	0.0	1.10	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	6.72e-03	0.0	247.0	1.10	1.32	0.0	0.02	0.0	0.0
95	54	0.0	0.0	1.88e-03	2.64	0.0	-0.67	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	-6.67e-03	0.0	247.0	-0.67	1.32	0.0	-0.02	0.0	0.0
95	60	0.0	0.0	2.44e-03	2.64	0.0	1.20	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	4.86e-03	0.0	247.0	1.20	1.32	0.0	0.02	0.0	0.0
95	61	0.0	0.0	1.92e-03	2.64	0.0	-0.77	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	-4.81e-03	0.0	247.0	-0.77	1.32	0.0	-0.02	0.0	0.0
95	62	0.0	0.0	1.88e-03	2.64	0.0	-0.75	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	-4.85e-03	0.0	247.0	-0.75	1.32	0.0	-0.02	0.0	0.0
95	83	0.0	0.0	2.25e-03	2.64	0.0	0.18	-1.32	0.0	-1.09e-03	0.0	0.0
		-0.81	0.0	7.84e-05	0.0	247.0	0.18	1.32	0.0	-1.09e-03	0.0	0.0
95	84	0.0	0.0	2.11e-03	2.64	0.0	0.25	-1.32	0.0	8.74e-04	0.0	0.0
		-0.81	0.0	-3.30e-05	0.0	247.0	0.25	1.32	0.0	8.74e-04	0.0	0.0
95	87	0.0	0.0	2.69e-03	2.64	0.0	1.68	-1.32	0.0	0.04	0.0	0.0
		-0.81	0.0	0.01	0.0	247.0	1.68	1.32	0.0	0.04	0.0	0.0
95	90	0.0	0.0	1.72e-03	2.64	0.0	-1.25	-1.32	0.0	-0.04	0.0	0.0
		-0.81	0.0	-0.01	0.0	247.0	-1.25	1.32	0.0	-0.04	0.0	0.0
95	96	0.0	0.0	2.63e-03	2.64	0.0	1.83	-1.32	0.0	0.03	0.0	0.0
		-0.81	0.0	7.97e-03	0.0	247.0	1.83	1.32	0.0	0.03	0.0	0.0
95	97	0.0	0.0	1.76e-03	2.64	0.0	-1.40	-1.32	0.0	-0.03	0.0	0.0
		-0.81	0.0	-7.92e-03	0.0	247.0	-1.40	1.32	0.0	-0.03	0.0	0.0

95	98	0.0	0.0	1.71e-03	2.64	0.0	-1.37	-1.32	0.0	-0.03	0.0	0.0
		-0.81	0.0	-7.97e-03	0.0	247.0	-1.37	1.32	0.0	-0.03	0.0	0.0
96	1	0.43	0.0	-4.76e-04	-2.19	0.0	0.53	1.10	0.0	-3.63e-04	0.0	0.0
		0.0	0.0	-4.57e-05	0.0	158.0	0.53	-1.10	0.0	-3.63e-04	0.0	0.0
96	2	0.43	0.0	-4.70e-04	-2.19	0.0	0.56	1.10	0.0	-1.31e-03	0.0	0.0
		0.0	0.0	-2.66e-05	0.0	158.0	0.56	-1.10	0.0	-1.31e-03	0.0	0.0
96	3	0.33	0.0	-3.66e-04	-1.69	0.0	0.40	0.84	0.0	-3.07e-04	0.0	0.0
		0.0	0.0	-4.72e-05	0.0	158.0	0.40	-0.84	0.0	-3.07e-04	0.0	0.0
96	6	0.43	0.0	-4.73e-04	-2.19	0.0	0.55	1.10	0.0	-1.10e-03	0.0	0.0
		0.0	0.0	-6.71e-05	0.0	158.0	0.55	-1.10	0.0	-1.10e-03	0.0	0.0
96	7	0.33	0.0	-3.68e-04	-1.69	0.0	0.41	0.84	0.0	-3.89e-04	0.0	0.0
		0.0	0.0	-8.19e-05	0.0	158.0	0.41	-0.84	0.0	-3.89e-04	0.0	0.0
96	9	0.33	0.0	-3.66e-04	-1.69	0.0	0.40	0.84	0.0	-2.66e-04	0.0	0.0
		0.0	0.0	-2.98e-05	0.0	158.0	0.40	-0.84	0.0	-2.66e-04	0.0	0.0
96	10	0.33	0.0	-3.62e-04	-1.69	0.0	0.43	0.84	0.0	-8.95e-04	0.0	0.0
		0.0	0.0	-1.71e-05	0.0	158.0	0.43	-0.84	0.0	-8.95e-04	0.0	0.0
96	11	0.33	0.0	-3.67e-04	-1.69	0.0	0.41	0.84	0.0	-3.21e-04	0.0	0.0
		0.0	0.0	-5.29e-05	0.0	158.0	0.41	-0.84	0.0	-3.21e-04	0.0	0.0
96	12	0.33	0.0	-3.64e-04	-1.69	0.0	0.42	0.84	0.0	-7.61e-04	0.0	0.0
		0.0	0.0	-4.41e-05	0.0	158.0	0.42	-0.84	0.0	-7.61e-04	0.0	0.0
96	13	0.33	0.0	-3.64e-04	-1.69	0.0	0.40	0.84	0.0	-1.85e-04	0.0	0.0
		0.0	0.0	4.94e-06	0.0	158.0	0.40	-0.84	0.0	-1.85e-04	0.0	0.0
96	14	0.33	0.0	-3.62e-04	-1.69	0.0	0.41	0.84	0.0	-4.99e-04	0.0	0.0
		0.0	0.0	1.13e-05	0.0	158.0	0.41	-0.84	0.0	-4.99e-04	0.0	0.0
96	15	0.33	0.0	-3.65e-04	-1.69	0.0	0.40	0.84	0.0	-2.12e-04	0.0	0.0
		0.0	0.0	-6.63e-06	0.0	158.0	0.40	-0.84	0.0	-2.12e-04	0.0	0.0
96	16	0.33	0.0	-3.63e-04	-1.69	0.0	0.41	0.84	0.0	-4.00e-04	0.0	0.0
		0.0	0.0	-2.82e-06	0.0	158.0	0.41	-0.84	0.0	-4.00e-04	0.0	0.0
96	17	0.33	0.0	-3.64e-04	-1.69	0.0	0.40	0.84	0.0	-1.85e-04	0.0	0.0
		0.0	0.0	4.94e-06	0.0	158.0	0.40	-0.84	0.0	-1.85e-04	0.0	0.0
96	18	0.33	0.0	-3.63e-04	-1.69	0.0	0.41	0.84	0.0	-3.73e-04	0.0	0.0
		0.0	0.0	8.75e-06	0.0	158.0	0.41	-0.84	0.0	-3.73e-04	0.0	0.0
96	27	0.33	0.0	-2.43e-03	-1.69	0.0	-1.62	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.98e-04	0.0	158.0	-1.62	-0.84	0.0	-0.01	0.0	0.0
96	30	0.33	0.0	2.44e-03	-1.69	0.0	2.43	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	2.15e-04	0.0	158.0	2.43	-0.84	0.0	0.01	0.0	0.0
96	37	0.33	0.0	6.95e-04	-1.69	0.0	0.85	0.84	0.0	2.81e-03	0.0	0.0
		0.0	0.0	1.44e-04	0.0	158.0	0.85	-0.84	0.0	2.81e-03	0.0	0.0
96	47	0.33	0.0	-8.07e-04	-1.69	0.0	-0.29	0.84	0.0	-3.30e-03	0.0	0.0
		0.0	0.0	8.41e-05	0.0	158.0	-0.29	-0.84	0.0	-3.30e-03	0.0	0.0
96	50	0.33	0.0	7.40e-04	-1.69	0.0	1.11	0.84	0.0	2.55e-03	0.0	0.0
		0.0	0.0	-6.66e-05	0.0	158.0	1.11	-0.84	0.0	2.55e-03	0.0	0.0
96	59	0.33	0.0	-1.77e-03	-1.69	0.0	-1.07	0.84	0.0	-8.68e-03	0.0	0.0
		0.0	0.0	-1.43e-04	0.0	158.0	-1.07	-0.84	0.0	-8.68e-03	0.0	0.0
96	62	0.33	0.0	1.78e-03	-1.69	0.0	1.88	0.84	0.0	7.93e-03	0.0	0.0
		0.0	0.0	1.60e-04	0.0	158.0	1.88	-0.84	0.0	7.93e-03	0.0	0.0
96	69	0.33	0.0	5.06e-04	-1.69	0.0	0.72	0.84	0.0	1.90e-03	0.0	0.0
		0.0	0.0	1.09e-04	0.0	158.0	0.72	-0.84	0.0	1.90e-03	0.0	0.0
96	79	0.33	0.0	-6.69e-04	-1.69	0.0	-0.11	0.84	0.0	-2.45e-03	0.0	0.0
		0.0	0.0	7.99e-05	0.0	158.0	-0.11	-0.84	0.0	-2.45e-03	0.0	0.0
96	82	0.33	0.0	5.40e-04	-1.69	0.0	0.92	0.84	0.0	1.70e-03	0.0	0.0
		0.0	0.0	-6.24e-05	0.0	158.0	0.92	-0.84	0.0	1.70e-03	0.0	0.0
96	83	0.33	0.0	-3.63e-04	-1.69	0.0	0.33	0.84	0.0	-6.33e-04	0.0	0.0
		0.0	0.0	3.76e-05	0.0	158.0	0.33	-0.84	0.0	-6.33e-04	0.0	0.0
96	84	0.33	0.0	-3.63e-04	-1.69	0.0	0.49	0.84	0.0	-1.14e-04	0.0	0.0
		0.0	0.0	-2.01e-05	0.0	158.0	0.49	-0.84	0.0	-1.14e-04	0.0	0.0
96	85	0.33	0.0	-3.64e-04	-1.69	0.0	0.34	0.84	0.0	-2.47e-05	0.0	0.0
		0.0	0.0	1.16e-04	0.0	158.0	0.34	-0.84	0.0	-2.47e-05	0.0	0.0
96	86	0.33	0.0	-3.62e-04	-1.69	0.0	0.48	0.84	0.0	-7.22e-04	0.0	0.0
		0.0	0.0	-9.86e-05	0.0	158.0	0.48	-0.84	0.0	-7.22e-04	0.0	0.0
96	95	0.33	0.0	-2.91e-03	-1.69	0.0	-2.01	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	-2.38e-04	0.0	158.0	-2.01	-0.84	0.0	-0.01	0.0	0.0
96	98	0.33	0.0	2.92e-03	-1.69	0.0	2.82	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	2.55e-04	0.0	158.0	2.82	-0.84	0.0	0.01	0.0	0.0
96	105	0.33	0.0	8.32e-04	-1.69	0.0	0.94	0.84	0.0	3.45e-03	0.0	0.0
		0.0	0.0	1.69e-04	0.0	158.0	0.94	-0.84	0.0	3.45e-03	0.0	0.0
96	115	0.33	0.0	-9.14e-04	-1.69	0.0	-0.42	0.84	0.0	-3.89e-03	0.0	0.0
		0.0	0.0	9.26e-05	0.0	158.0	-0.42	-0.84	0.0	-3.89e-03	0.0	0.0
96	118	0.33	0.0	8.82e-04	-1.69	0.0	1.24	0.84	0.0	3.14e-03	0.0	0.0
		0.0	0.0	-7.51e-05	0.0	158.0	1.24	-0.84	0.0	3.14e-03	0.0	0.0
97	1	1.06	0.0	-2.80e-03	-3.43	0.0	0.21	1.71	0.0	-3.85e-05	0.0	0.0
		0.0	0.0	-1.45e-05	0.0	247.0	0.21	-1.71	0.0	-3.85e-05	0.0	0.0
97	2	1.06	0.0	-2.79e-03	-3.43	0.0	0.38	1.71	0.0	-2.88e-04	0.0	0.0
		0.0	0.0	-7.04e-05	0.0	247.0	0.38	-1.71	0.0	-2.88e-04	0.0	0.0
97	5	1.06	0.0	-2.78e-03	-3.43	0.0	0.09	1.71	0.0	-3.96e-05	0.0	0.0

		0.0	0.0	-1.41e-05	0.0	247.0	0.09	-1.71	0.0	-3.96e-05	0.0	0.0
97	7	0.81	0.0	-2.13e-03	-2.64	0.0	-1.46e-03	1.32	0.0	-3.11e-05	0.0	0.0
		0.0	0.0	-1.06e-05	0.0	247.0	-1.46e-03	-1.32	0.0	-3.11e-05	0.0	0.0
97	9	0.81	0.0	-2.16e-03	-2.64	0.0	0.18	1.32	0.0	-2.94e-05	0.0	0.0
		0.0	0.0	-1.13e-05	0.0	247.0	0.18	-1.32	0.0	-2.94e-05	0.0	0.0
97	10	0.81	0.0	-2.15e-03	-2.64	0.0	0.29	1.32	0.0	-1.96e-04	0.0	0.0
		0.0	0.0	-4.85e-05	0.0	247.0	0.29	-1.32	0.0	-1.96e-04	0.0	0.0
97	11	0.81	0.0	-2.15e-03	-2.64	0.0	0.10	1.32	0.0	-3.02e-05	0.0	0.0
		0.0	0.0	-1.10e-05	0.0	247.0	0.10	-1.32	0.0	-3.02e-05	0.0	0.0
97	13	0.81	0.0	-2.18e-03	-2.64	0.0	0.31	1.32	0.0	-2.83e-05	0.0	0.0
		0.0	0.0	-1.17e-05	0.0	247.0	0.31	-1.32	0.0	-2.83e-05	0.0	0.0
97	14	0.81	0.0	-2.17e-03	-2.64	0.0	0.36	1.32	0.0	-1.12e-04	0.0	0.0
		0.0	0.0	-3.03e-05	0.0	247.0	0.36	-1.32	0.0	-1.12e-04	0.0	0.0
97	15	0.81	0.0	-2.17e-03	-2.64	0.0	0.26	1.32	0.0	-2.87e-05	0.0	0.0
		0.0	0.0	-1.16e-05	0.0	247.0	0.26	-1.32	0.0	-2.87e-05	0.0	0.0
97	17	0.81	0.0	-2.18e-03	-2.64	0.0	0.31	1.32	0.0	-2.83e-05	0.0	0.0
		0.0	0.0	-1.17e-05	0.0	247.0	0.31	-1.32	0.0	-2.83e-05	0.0	0.0
97	18	0.81	0.0	-2.17e-03	-2.64	0.0	0.34	1.32	0.0	-7.83e-05	0.0	0.0
		0.0	0.0	-2.29e-05	0.0	247.0	0.34	-1.32	0.0	-7.83e-05	0.0	0.0
97	20	0.81	0.0	-1.81e-03	-2.64	0.0	-0.94	1.32	0.0	3.09e-03	0.0	0.0
		0.0	0.0	-9.86e-03	0.0	247.0	-0.94	-1.32	0.0	3.09e-03	0.0	0.0
97	21	0.81	0.0	-2.55e-03	-2.64	0.0	1.61	1.32	0.0	-3.25e-03	0.0	0.0
		0.0	0.0	9.81e-03	0.0	247.0	1.61	-1.32	0.0	-3.25e-03	0.0	0.0
97	28	0.81	0.0	-1.80e-03	-2.64	0.0	-1.03	1.32	0.0	2.39e-03	0.0	0.0
		0.0	0.0	-7.11e-03	0.0	247.0	-1.03	-1.32	0.0	2.39e-03	0.0	0.0
97	29	0.81	0.0	-2.56e-03	-2.64	0.0	1.71	1.32	0.0	-2.55e-03	0.0	0.0
		0.0	0.0	7.06e-03	0.0	247.0	1.71	-1.32	0.0	-2.55e-03	0.0	0.0
97	31	0.81	0.0	-1.84e-03	-2.64	0.0	-0.85	1.32	0.0	2.82e-03	0.0	0.0
		0.0	0.0	-7.10e-03	0.0	247.0	-0.85	-1.32	0.0	2.82e-03	0.0	0.0
97	36	0.81	0.0	-1.99e-03	-2.64	0.0	-0.33	1.32	0.0	1.93e-03	0.0	0.0
		0.0	0.0	-2.92e-03	0.0	247.0	-0.33	-1.32	0.0	1.93e-03	0.0	0.0
97	52	0.81	0.0	-1.90e-03	-2.64	0.0	-0.60	1.32	0.0	2.49e-03	0.0	0.0
		0.0	0.0	-7.16e-03	0.0	247.0	-0.60	-1.32	0.0	2.49e-03	0.0	0.0
97	53	0.81	0.0	-2.45e-03	-2.64	0.0	1.28	1.32	0.0	-2.65e-03	0.0	0.0
		0.0	0.0	7.11e-03	0.0	247.0	1.28	-1.32	0.0	-2.65e-03	0.0	0.0
97	60	0.81	0.0	-1.89e-03	-2.64	0.0	-0.67	1.32	0.0	1.92e-03	0.0	0.0
		0.0	0.0	-5.17e-03	0.0	247.0	-0.67	-1.32	0.0	1.92e-03	0.0	0.0
97	61	0.81	0.0	-2.46e-03	-2.64	0.0	1.35	1.32	0.0	-2.08e-03	0.0	0.0
		0.0	0.0	5.13e-03	0.0	247.0	1.35	-1.32	0.0	-2.08e-03	0.0	0.0
97	63	0.81	0.0	-1.93e-03	-2.64	0.0	-0.52	1.32	0.0	2.31e-03	0.0	0.0
		0.0	0.0	-5.17e-03	0.0	247.0	-0.52	-1.32	0.0	2.31e-03	0.0	0.0
97	74	0.81	0.0	-2.18e-03	-2.64	0.0	0.35	1.32	0.0	4.37e-04	0.0	0.0
		0.0	0.0	1.58e-03	0.0	247.0	0.35	-1.32	0.0	4.37e-04	0.0	0.0
97	83	0.81	0.0	-2.24e-03	-2.64	0.0	0.58	1.32	0.0	-1.00e-03	0.0	0.0
		0.0	0.0	-6.95e-05	0.0	247.0	0.58	-1.32	0.0	-1.00e-03	0.0	0.0
97	84	0.81	0.0	-2.11e-03	-2.64	0.0	0.10	1.32	0.0	8.43e-04	0.0	0.0
		0.0	0.0	2.38e-05	0.0	247.0	0.10	-1.32	0.0	8.43e-04	0.0	0.0
97	86	0.81	0.0	-2.11e-03	-2.64	0.0	0.14	1.32	0.0	-2.15e-03	0.0	0.0
		0.0	0.0	-8.63e-05	0.0	247.0	0.14	-1.32	0.0	-2.15e-03	0.0	0.0
97	88	0.81	0.0	-1.74e-03	-2.64	0.0	-1.18	1.32	0.0	3.60e-03	0.0	0.0
		0.0	0.0	-0.01	0.0	247.0	-1.18	-1.32	0.0	3.60e-03	0.0	0.0
97	89	0.81	0.0	-2.63e-03	-2.64	0.0	1.86	1.32	0.0	-3.76e-03	0.0	0.0
		0.0	0.0	0.01	0.0	247.0	1.86	-1.32	0.0	-3.76e-03	0.0	0.0
97	96	0.81	0.0	-1.74e-03	-2.64	0.0	-1.29	1.32	0.0	2.80e-03	0.0	0.0
		0.0	0.0	-8.48e-03	0.0	247.0	-1.29	-1.32	0.0	2.80e-03	0.0	0.0
97	97	0.81	0.0	-2.65e-03	-2.64	0.0	1.97	1.32	0.0	-2.96e-03	0.0	0.0
		0.0	0.0	8.44e-03	0.0	247.0	1.97	-1.32	0.0	-2.96e-03	0.0	0.0
97	99	0.81	0.0	-1.78e-03	-2.64	0.0	-1.09	1.32	0.0	3.29e-03	0.0	0.0
		0.0	0.0	-8.47e-03	0.0	247.0	-1.09	-1.32	0.0	3.29e-03	0.0	0.0
97	110	0.81	0.0	-2.22e-03	-2.64	0.0	0.43	1.32	0.0	4.91e-04	0.0	0.0
		0.0	0.0	2.60e-03	0.0	247.0	0.43	-1.32	0.0	4.91e-04	0.0	0.0
98	1	0.0	0.0	4.71e-04	2.19	0.0	-5.63e-03	-1.10	0.0	-1.17e-03	0.0	0.0
		-0.43	0.0	2.84e-05	0.0	158.0	-5.63e-03	1.10	0.0	-1.17e-03	0.0	0.0
98	2	0.0	0.0	4.45e-04	2.19	0.0	-3.62e-03	-1.10	0.0	-1.91e-03	0.0	0.0
		-0.43	0.0	-1.36e-05	0.0	158.0	-3.62e-03	1.10	0.0	-1.91e-03	0.0	0.0
98	4	0.0	0.0	3.37e-04	1.69	0.0	-2.20e-03	-0.84	0.0	-1.86e-03	0.0	0.0
		-0.33	0.0	-1.08e-05	0.0	158.0	-2.20e-03	0.84	0.0	-1.86e-03	0.0	0.0
98	7	0.0	0.0	3.64e-04	1.69	0.0	-3.89e-03	-0.84	0.0	-1.79e-03	0.0	0.0
		-0.33	0.0	5.83e-05	0.0	158.0	-3.89e-03	0.84	0.0	-1.79e-03	0.0	0.0
98	9	0.0	0.0	3.62e-04	1.69	0.0	-4.38e-03	-0.84	0.0	-8.02e-04	0.0	0.0
		-0.33	0.0	1.77e-05	0.0	158.0	-4.38e-03	0.84	0.0	-8.02e-04	0.0	0.0
98	10	0.0	0.0	3.45e-04	1.69	0.0	-3.04e-03	-0.84	0.0	-1.29e-03	0.0	0.0
		-0.33	0.0	-1.03e-05	0.0	158.0	-3.04e-03	0.84	0.0	-1.29e-03	0.0	0.0
98	11	0.0	0.0	3.63e-04	1.69	0.0	-4.16e-03	-0.84	0.0	-1.24e-03	0.0	0.0
		-0.33	0.0	3.57e-05	0.0	158.0	-4.16e-03	0.84	0.0	-1.24e-03	0.0	0.0

98	13	0.0	0.0	3.60e-04	1.69	0.0	-4.71e-03	-0.84	0.0	-1.43e-04	0.0	0.0
		-0.33	0.0	-9.42e-06	0.0	158.0	-4.71e-03	0.84	0.0	-1.43e-04	0.0	0.0
98	14	0.0	0.0	3.52e-04	1.69	0.0	-4.04e-03	-0.84	0.0	-3.88e-04	0.0	0.0
		-0.33	0.0	-2.34e-05	0.0	158.0	-4.04e-03	0.84	0.0	-3.88e-04	0.0	0.0
98	15	0.0	0.0	3.61e-04	1.69	0.0	-4.60e-03	-0.84	0.0	-3.63e-04	0.0	0.0
		-0.33	0.0	0.0	0.0	158.0	-4.60e-03	0.84	0.0	-3.63e-04	0.0	0.0
98	16	0.0	0.0	3.56e-04	1.69	0.0	-4.20e-03	-0.84	0.0	-5.09e-04	0.0	0.0
		-0.33	0.0	-8.79e-06	0.0	158.0	-4.20e-03	0.84	0.0	-5.09e-04	0.0	0.0
98	17	0.0	0.0	3.60e-04	1.69	0.0	-4.71e-03	-0.84	0.0	-1.43e-04	0.0	0.0
		-0.33	0.0	-9.42e-06	0.0	158.0	-4.71e-03	0.84	0.0	-1.43e-04	0.0	0.0
98	18	0.0	0.0	3.55e-04	1.69	0.0	-4.31e-03	-0.84	0.0	-2.90e-04	0.0	0.0
		-0.33	0.0	-1.78e-05	0.0	158.0	-4.31e-03	0.84	0.0	-2.90e-04	0.0	0.0
98	23	0.0	0.0	7.91e-04	1.69	0.0	-0.04	-0.84	0.0	-0.01	0.0	0.0
		-0.33	0.0	-1.26e-04	0.0	158.0	-0.04	0.84	0.0	-0.01	0.0	0.0
98	26	0.0	0.0	-7.48e-04	1.69	0.0	0.03	-0.84	0.0	9.49e-03	0.0	0.0
		-0.33	0.0	9.02e-05	0.0	158.0	0.03	0.84	0.0	9.49e-03	0.0	0.0
98	31	0.0	0.0	8.60e-04	1.69	0.0	-0.03	-0.84	0.0	-9.68e-03	0.0	0.0
		-0.33	0.0	-1.95e-04	0.0	158.0	-0.03	0.84	0.0	-9.68e-03	0.0	0.0
98	34	0.0	0.0	-8.40e-04	1.69	0.0	0.02	-0.84	0.0	9.10e-03	0.0	0.0
		-0.33	0.0	1.59e-04	0.0	158.0	0.02	0.84	0.0	9.10e-03	0.0	0.0
98	42	0.0	0.0	-2.60e-04	1.69	0.0	4.93e-03	-0.84	0.0	1.55e-03	0.0	0.0
		-0.33	0.0	6.46e-05	0.0	158.0	4.93e-03	0.84	0.0	1.55e-03	0.0	0.0
98	45	0.0	0.0	2.56e-04	1.69	0.0	1.35e-03	-0.84	0.0	4.03e-03	0.0	0.0
		-0.33	0.0	-1.28e-04	0.0	158.0	1.35e-03	0.84	0.0	4.03e-03	0.0	0.0
98	55	0.0	0.0	6.55e-04	1.69	0.0	-0.03	-0.84	0.0	-7.35e-03	0.0	0.0
		-0.33	0.0	-1.07e-04	0.0	158.0	-0.03	0.84	0.0	-7.35e-03	0.0	0.0
98	58	0.0	0.0	-5.49e-04	1.69	0.0	0.02	-0.84	0.0	6.77e-03	0.0	0.0
		-0.33	0.0	7.16e-05	0.0	158.0	0.02	0.84	0.0	6.77e-03	0.0	0.0
98	63	0.0	0.0	7.01e-04	1.69	0.0	-0.02	-0.84	0.0	-7.09e-03	0.0	0.0
		-0.33	0.0	-1.55e-04	0.0	158.0	-0.02	0.84	0.0	-7.09e-03	0.0	0.0
98	66	0.0	0.0	-6.17e-04	1.69	0.0	0.01	-0.84	0.0	6.51e-03	0.0	0.0
		-0.33	0.0	1.19e-04	0.0	158.0	0.01	0.84	0.0	6.51e-03	0.0	0.0
98	74	0.0	0.0	2.74e-04	1.69	0.0	2.73e-03	-0.84	0.0	9.83e-04	0.0	0.0
		-0.33	0.0	4.50e-05	0.0	158.0	2.73e-03	0.84	0.0	9.83e-04	0.0	0.0
98	77	0.0	0.0	2.82e-04	1.69	0.0	-8.04e-04	-0.84	0.0	2.95e-03	0.0	0.0
		-0.33	0.0	-1.12e-04	0.0	158.0	-8.04e-04	0.84	0.0	2.95e-03	0.0	0.0
98	84	0.0	0.0	3.58e-04	1.69	0.0	-2.16e-03	-0.84	0.0	-1.06e-03	0.0	0.0
		-0.33	0.0	1.04e-05	0.0	158.0	-2.16e-03	0.84	0.0	-1.06e-03	0.0	0.0
98	85	0.0	0.0	3.56e-04	1.69	0.0	-7.34e-03	-0.84	0.0	6.29e-04	0.0	0.0
		-0.33	0.0	-1.18e-04	0.0	158.0	-7.34e-03	0.84	0.0	6.29e-04	0.0	0.0
98	86	0.0	0.0	3.54e-04	1.69	0.0	-1.29e-03	-0.84	0.0	-1.21e-03	0.0	0.0
		-0.33	0.0	8.20e-05	0.0	158.0	-1.29e-03	0.84	0.0	-1.21e-03	0.0	0.0
98	91	0.0	0.0	8.99e-04	1.69	0.0	-0.04	-0.84	0.0	-0.01	0.0	0.0
		-0.33	0.0	-1.43e-04	0.0	158.0	-0.04	0.84	0.0	-0.01	0.0	0.0
98	94	0.0	0.0	-8.93e-04	1.69	0.0	0.03	-0.84	0.0	0.01	0.0	0.0
		-0.33	0.0	1.08e-04	0.0	158.0	0.03	0.84	0.0	0.01	0.0	0.0
98	99	0.0	0.0	9.84e-04	1.69	0.0	-0.03	-0.84	0.0	-0.01	0.0	0.0
		-0.33	0.0	-2.26e-04	0.0	158.0	-0.03	0.84	0.0	-0.01	0.0	0.0
98	102	0.0	0.0	-1.00e-03	1.69	0.0	0.02	-0.84	0.0	0.01	0.0	0.0
		-0.33	0.0	1.91e-04	0.0	158.0	0.02	0.84	0.0	0.01	0.0	0.0
98	110	0.0	0.0	-3.07e-04	1.69	0.0	6.63e-03	-0.84	0.0	1.94e-03	0.0	0.0
		-0.33	0.0	7.89e-05	0.0	158.0	6.63e-03	0.84	0.0	1.94e-03	0.0	0.0
98	113	0.0	0.0	-2.77e-04	1.69	0.0	2.73e-03	-0.84	0.0	4.83e-03	0.0	0.0
		-0.33	0.0	-1.43e-04	0.0	158.0	2.73e-03	0.84	0.0	4.83e-03	0.0	0.0
99	1	0.0	0.0	2.81e-03	3.43	0.0	0.33	-1.71	0.0	-7.56e-05	0.0	0.0
		-1.06	0.0	8.45e-06	0.0	247.0	0.33	1.71	0.0	-7.56e-05	0.0	0.0
99	2	0.0	0.0	2.81e-03	3.43	0.0	0.34	-1.71	0.0	-3.59e-04	0.0	0.0
		-1.06	0.0	6.36e-05	0.0	247.0	0.34	1.71	0.0	-3.59e-04	0.0	0.0
99	7	0.0	0.0	2.14e-03	2.64	0.0	0.24	-1.32	0.0	-4.91e-05	0.0	0.0
		-0.81	0.0	6.18e-06	0.0	247.0	0.24	1.32	0.0	-4.91e-05	0.0	0.0
99	9	0.0	0.0	2.16e-03	2.64	0.0	0.26	-1.32	0.0	-5.92e-05	0.0	0.0
		-0.81	0.0	6.54e-06	0.0	247.0	0.26	1.32	0.0	-5.92e-05	0.0	0.0
99	10	0.0	0.0	2.16e-03	2.64	0.0	0.27	-1.32	0.0	-2.48e-04	0.0	0.0
		-0.81	0.0	4.33e-05	0.0	247.0	0.27	1.32	0.0	-2.48e-04	0.0	0.0
99	11	0.0	0.0	2.15e-03	2.64	0.0	0.25	-1.32	0.0	-5.47e-05	0.0	0.0
		-0.81	0.0	6.38e-06	0.0	247.0	0.25	1.32	0.0	-5.47e-05	0.0	0.0
99	13	0.0	0.0	2.18e-03	2.64	0.0	0.27	-1.32	0.0	-6.60e-05	0.0	0.0
		-0.81	0.0	6.78e-06	0.0	247.0	0.27	1.32	0.0	-6.60e-05	0.0	0.0
99	14	0.0	0.0	2.18e-03	2.64	0.0	0.28	-1.32	0.0	-1.60e-04	0.0	0.0
		-0.81	0.0	2.52e-05	0.0	247.0	0.28	1.32	0.0	-1.60e-04	0.0	0.0
99	15	0.0	0.0	2.18e-03	2.64	0.0	0.27	-1.32	0.0	-6.37e-05	0.0	0.0
		-0.81	0.0	6.70e-06	0.0	247.0	0.27	1.32	0.0	-6.37e-05	0.0	0.0
99	17	0.0	0.0	2.18e-03	2.64	0.0	0.27	-1.32	0.0	-6.60e-05	0.0	0.0
		-0.81	0.0	6.78e-06	0.0	247.0	0.27	1.32	0.0	-6.60e-05	0.0	0.0
99	18	0.0	0.0	2.18e-03	2.64	0.0	0.27	-1.32	0.0	-1.23e-04	0.0	0.0

99	19	-0.81	0.0	1.78e-05	0.0	247.0	0.27	1.32	0.0	-1.23e-04	0.0	0.0
		0.0	0.0	2.56e-03	2.64	0.0	1.50	-1.32	0.0	6.80e-03	0.0	0.0
		-0.81	0.0	9.83e-03	0.0	247.0	1.50	1.32	0.0	6.80e-03	0.0	0.0
99	21	0.0	0.0	1.86e-03	2.64	0.0	-0.94	-1.32	0.0	-7.72e-03	0.0	0.0
		-0.81	0.0	-9.75e-03	0.0	247.0	-0.94	1.32	0.0	-7.72e-03	0.0	0.0
99	31	0.0	0.0	2.57e-03	2.64	0.0	1.61	-1.32	0.0	-7.07e-03	0.0	0.0
		-0.81	0.0	7.02e-03	0.0	247.0	1.61	1.32	0.0	-7.07e-03	0.0	0.0
99	34	0.0	0.0	1.81e-03	2.64	0.0	-1.06	-1.32	0.0	6.83e-03	0.0	0.0
		-0.81	0.0	-6.99e-03	0.0	247.0	-1.06	1.32	0.0	6.83e-03	0.0	0.0
99	51	0.0	0.0	2.46e-03	2.64	0.0	1.17	-1.32	0.0	4.95e-03	0.0	0.0
		-0.81	0.0	7.13e-03	0.0	247.0	1.17	1.32	0.0	4.95e-03	0.0	0.0
99	53	0.0	0.0	1.95e-03	2.64	0.0	-0.61	-1.32	0.0	-5.79e-03	0.0	0.0
		-0.81	0.0	-7.07e-03	0.0	247.0	-0.61	1.32	0.0	-5.79e-03	0.0	0.0
99	63	0.0	0.0	2.46e-03	2.64	0.0	1.24	-1.32	0.0	-5.10e-03	0.0	0.0
		-0.81	0.0	5.11e-03	0.0	247.0	1.24	1.32	0.0	-5.10e-03	0.0	0.0
99	66	0.0	0.0	1.90e-03	2.64	0.0	-0.70	-1.32	0.0	4.86e-03	0.0	0.0
		-0.81	0.0	-5.08e-03	0.0	247.0	-0.70	1.32	0.0	4.86e-03	0.0	0.0
99	83	0.0	0.0	2.25e-03	2.64	0.0	0.29	-1.32	0.0	-1.02e-03	0.0	0.0
		-0.81	0.0	6.46e-05	0.0	247.0	0.29	1.32	0.0	-1.02e-03	0.0	0.0
99	84	0.0	0.0	2.12e-03	2.64	0.0	0.26	-1.32	0.0	7.75e-04	0.0	0.0
		-0.81	0.0	-2.89e-05	0.0	247.0	0.26	1.32	0.0	7.75e-04	0.0	0.0
99	85	0.0	0.0	2.24e-03	2.64	0.0	0.29	-1.32	0.0	1.90e-03	0.0	0.0
		-0.81	0.0	-4.52e-05	0.0	247.0	0.29	1.32	0.0	1.90e-03	0.0	0.0
99	86	0.0	0.0	2.12e-03	2.64	0.0	0.26	-1.32	0.0	-2.15e-03	0.0	0.0
		-0.81	0.0	8.08e-05	0.0	247.0	0.26	1.32	0.0	-2.15e-03	0.0	0.0
99	87	0.0	0.0	2.64e-03	2.64	0.0	1.74	-1.32	0.0	8.15e-03	0.0	0.0
		-0.81	0.0	0.01	0.0	247.0	1.74	1.32	0.0	8.15e-03	0.0	0.0
99	89	0.0	0.0	1.80e-03	2.64	0.0	-1.19	-1.32	0.0	-9.17e-03	0.0	0.0
		-0.81	0.0	-0.01	0.0	247.0	-1.19	1.32	0.0	-9.17e-03	0.0	0.0
99	99	0.0	0.0	2.65e-03	2.64	0.0	1.87	-1.32	0.0	-8.45e-03	0.0	0.0
		-0.81	0.0	8.39e-03	0.0	247.0	1.87	1.32	0.0	-8.45e-03	0.0	0.0
99	102	0.0	0.0	1.75e-03	2.64	0.0	-1.32	-1.32	0.0	8.20e-03	0.0	0.0
		-0.81	0.0	-8.35e-03	0.0	247.0	-1.32	1.32	0.0	8.20e-03	0.0	0.0
100	1	0.43	0.0	-4.76e-04	-2.19	0.0	0.69	1.10	0.0	-8.97e-04	0.0	0.0
		0.0	0.0	-3.00e-05	0.0	158.0	0.69	-1.10	0.0	-8.97e-04	0.0	0.0
100	2	0.43	0.0	-4.70e-04	-2.19	0.0	0.77	1.10	0.0	-1.83e-03	0.0	0.0
		0.0	0.0	1.41e-05	0.0	158.0	0.77	-1.10	0.0	-1.83e-03	0.0	0.0
100	5	0.43	0.0	-4.79e-04	-2.19	0.0	0.67	1.10	0.0	-1.33e-03	0.0	0.0
		0.0	0.0	-5.86e-05	0.0	158.0	0.67	-1.10	0.0	-1.33e-03	0.0	0.0
100	7	0.33	0.0	-3.69e-04	-1.69	0.0	0.50	0.84	0.0	-1.28e-03	0.0	0.0
		0.0	0.0	-6.16e-05	0.0	158.0	0.50	-0.84	0.0	-1.28e-03	0.0	0.0
100	9	0.33	0.0	-3.66e-04	-1.69	0.0	0.54	0.84	0.0	-6.23e-04	0.0	0.0
		0.0	0.0	-1.87e-05	0.0	158.0	0.54	-0.84	0.0	-6.23e-04	0.0	0.0
100	10	0.33	0.0	-3.62e-04	-1.69	0.0	0.59	0.84	0.0	-1.24e-03	0.0	0.0
		0.0	0.0	1.07e-05	0.0	158.0	0.59	-0.84	0.0	-1.24e-03	0.0	0.0
100	11	0.33	0.0	-3.68e-04	-1.69	0.0	0.52	0.84	0.0	-9.14e-04	0.0	0.0
		0.0	0.0	-3.78e-05	0.0	158.0	0.52	-0.84	0.0	-9.14e-04	0.0	0.0
100	13	0.33	0.0	-3.64e-04	-1.69	0.0	0.56	0.84	0.0	-1.86e-04	0.0	0.0
		0.0	0.0	9.89e-06	0.0	158.0	0.56	-0.84	0.0	-1.86e-04	0.0	0.0
100	14	0.33	0.0	-3.62e-04	-1.69	0.0	0.59	0.84	0.0	-4.97e-04	0.0	0.0
		0.0	0.0	2.46e-05	0.0	158.0	0.59	-0.84	0.0	-4.97e-04	0.0	0.0
100	15	0.33	0.0	-3.65e-04	-1.69	0.0	0.55	0.84	0.0	-3.32e-04	0.0	0.0
		0.0	0.0	0.0	0.0	158.0	0.55	-0.84	0.0	-3.32e-04	0.0	0.0
100	17	0.33	0.0	-3.64e-04	-1.69	0.0	0.56	0.84	0.0	-1.86e-04	0.0	0.0
		0.0	0.0	9.89e-06	0.0	158.0	0.56	-0.84	0.0	-1.86e-04	0.0	0.0
100	18	0.33	0.0	-3.63e-04	-1.69	0.0	0.58	0.84	0.0	-3.72e-04	0.0	0.0
		0.0	0.0	1.87e-05	0.0	158.0	0.58	-0.84	0.0	-3.72e-04	0.0	0.0
100	22	0.33	0.0	2.13e-03	-1.69	0.0	-6.91	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	-5.27e-05	0.0	158.0	-6.91	-0.84	0.0	0.01	0.0	0.0
100	30	0.33	0.0	2.26e-03	-1.69	0.0	-7.49	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	-1.02e-04	0.0	158.0	-7.49	-0.84	0.0	0.01	0.0	0.0
100	31	0.33	0.0	-2.25e-03	-1.69	0.0	8.65	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	1.66e-04	0.0	158.0	8.65	-0.84	0.0	-0.01	0.0	0.0
100	34	0.33	0.0	2.26e-03	-1.69	0.0	-7.50	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	-1.28e-04	0.0	158.0	-7.50	-0.84	0.0	0.01	0.0	0.0
100	44	0.33	0.0	-7.40e-04	-1.69	0.0	2.55	0.84	0.0	-4.72e-03	0.0	0.0
		0.0	0.0	-9.76e-05	0.0	158.0	2.55	-0.84	0.0	-4.72e-03	0.0	0.0
100	45	0.33	0.0	6.43e-04	-1.69	0.0	-1.40	0.84	0.0	3.98e-03	0.0	0.0
		0.0	0.0	1.35e-04	0.0	158.0	-1.40	-0.84	0.0	3.98e-03	0.0	0.0
100	54	0.33	0.0	1.55e-03	-1.69	0.0	-4.86	0.84	0.0	7.93e-03	0.0	0.0
		0.0	0.0	-4.09e-05	0.0	158.0	-4.86	-0.84	0.0	7.93e-03	0.0	0.0
100	62	0.33	0.0	1.65e-03	-1.69	0.0	-5.30	0.84	0.0	7.77e-03	0.0	0.0
		0.0	0.0	-7.40e-05	0.0	158.0	-5.30	-0.84	0.0	7.77e-03	0.0	0.0
100	63	0.33	0.0	-1.63e-03	-1.69	0.0	6.46	0.84	0.0	-8.43e-03	0.0	0.0
		0.0	0.0	1.35e-04	0.0	158.0	6.46	-0.84	0.0	-8.43e-03	0.0	0.0

100	66	0.33	0.0	1.65e-03	-1.69	0.0	-5.31	0.84	0.0	7.69e-03	0.0	0.0
		0.0	0.0	-9.76e-05	0.0	158.0	-5.31	-0.84	0.0	7.69e-03	0.0	0.0
100	76	0.33	0.0	-6.24e-04	-1.69	0.0	1.98	0.84	0.0	-3.60e-03	0.0	0.0
		0.0	0.0	-8.05e-05	0.0	158.0	1.98	-0.84	0.0	-3.60e-03	0.0	0.0
100	77	0.33	0.0	4.68e-04	-1.69	0.0	-0.82	0.84	0.0	2.86e-03	0.0	0.0
		0.0	0.0	1.18e-04	0.0	158.0	-0.82	-0.84	0.0	2.86e-03	0.0	0.0
100	83	0.33	0.0	-3.62e-04	-1.69	0.0	0.75	0.84	0.0	2.18e-05	0.0	0.0
		0.0	0.0	4.99e-05	0.0	158.0	0.75	-0.84	0.0	2.18e-05	0.0	0.0
100	84	0.33	0.0	-3.63e-04	-1.69	0.0	0.41	0.84	0.0	-7.67e-04	0.0	0.0
		0.0	0.0	-1.25e-05	0.0	158.0	0.41	-0.84	0.0	-7.67e-04	0.0	0.0
100	85	0.33	0.0	-3.63e-04	-1.69	0.0	0.77	0.84	0.0	2.54e-04	0.0	0.0
		0.0	0.0	1.21e-04	0.0	158.0	0.77	-0.84	0.0	2.54e-04	0.0	0.0
100	86	0.33	0.0	-3.63e-04	-1.69	0.0	0.38	0.84	0.0	-9.99e-04	0.0	0.0
		0.0	0.0	-8.36e-05	0.0	158.0	0.38	-0.84	0.0	-9.99e-04	0.0	0.0
100	90	0.33	0.0	2.55e-03	-1.69	0.0	-8.38	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	-6.38e-05	0.0	158.0	-8.38	-0.84	0.0	0.01	0.0	0.0
100	98	0.33	0.0	2.70e-03	-1.69	0.0	-9.05	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	-1.23e-04	0.0	158.0	-9.05	-0.84	0.0	0.01	0.0	0.0
100	99	0.33	0.0	-2.69e-03	-1.69	0.0	10.21	0.84	0.0	-0.01	0.0	0.0
		0.0	0.0	1.91e-04	0.0	158.0	10.21	-0.84	0.0	-0.01	0.0	0.0
100	102	0.33	0.0	2.70e-03	-1.69	0.0	-9.06	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	-1.54e-04	0.0	158.0	-9.06	-0.84	0.0	0.01	0.0	0.0
100	112	0.33	0.0	-8.29e-04	-1.69	0.0	2.96	0.84	0.0	-5.55e-03	0.0	0.0
		0.0	0.0	-1.15e-04	0.0	158.0	2.96	-0.84	0.0	-5.55e-03	0.0	0.0
100	113	0.33	0.0	7.69e-04	-1.69	0.0	-1.80	0.84	0.0	4.81e-03	0.0	0.0
		0.0	0.0	1.52e-04	0.0	158.0	-1.80	-0.84	0.0	4.81e-03	0.0	0.0
101	1	1.06	0.0	-2.81e-03	-3.43	0.0	0.42	1.71	0.0	-2.59e-05	0.0	0.0
		0.0	0.0	-1.31e-05	0.0	247.0	0.42	-1.71	0.0	-2.59e-05	0.0	0.0
101	2	1.06	0.0	-2.79e-03	-3.43	0.0	0.79	1.71	0.0	-2.79e-04	0.0	0.0
		0.0	0.0	-5.83e-05	0.0	247.0	0.79	-1.71	0.0	-2.87e-04	0.0	0.0
101	4	0.81	0.0	-2.14e-03	-2.64	0.0	0.67	1.32	0.0	-2.79e-04	0.0	0.0
		0.0	0.0	-5.52e-05	0.0	247.0	0.67	-1.32	0.0	-2.79e-04	0.0	0.0
101	5	1.06	0.0	-2.79e-03	-3.43	0.0	0.35	1.71	0.0	-1.91e-05	0.0	0.0
		0.0	0.0	-1.29e-05	0.0	247.0	0.35	-1.71	0.0	-1.91e-05	0.0	0.0
101	7	0.81	0.0	-2.13e-03	-2.64	0.0	0.23	1.32	0.0	-1.08e-05	0.0	0.0
		0.0	0.0	-9.84e-06	0.0	247.0	0.23	-1.32	0.0	-1.08e-05	0.0	0.0
101	9	0.81	0.0	-2.16e-03	-2.64	0.0	0.34	1.32	0.0	-2.10e-05	0.0	0.0
		0.0	0.0	-1.01e-05	0.0	247.0	0.34	-1.32	0.0	-2.10e-05	0.0	0.0
101	10	0.81	0.0	-2.15e-03	-2.64	0.0	0.58	1.32	0.0	-1.95e-04	0.0	0.0
		0.0	0.0	-4.02e-05	0.0	247.0	0.58	-1.32	0.0	-1.95e-04	0.0	0.0
101	11	0.81	0.0	-2.15e-03	-2.64	0.0	0.29	1.32	0.0	-1.65e-05	0.0	0.0
		0.0	0.0	-9.99e-06	0.0	247.0	0.29	-1.32	0.0	-1.65e-05	0.0	0.0
101	13	0.81	0.0	-2.18e-03	-2.64	0.0	0.41	1.32	0.0	-2.78e-05	0.0	0.0
		0.0	0.0	-1.03e-05	0.0	247.0	0.41	-1.32	0.0	-2.78e-05	0.0	0.0
101	14	0.81	0.0	-2.17e-03	-2.64	0.0	0.53	1.32	0.0	-1.15e-04	0.0	0.0
		0.0	0.0	-2.54e-05	0.0	247.0	0.53	-1.32	0.0	-1.15e-04	0.0	0.0
101	15	0.81	0.0	-2.17e-03	-2.64	0.0	0.38	1.32	0.0	-2.55e-05	0.0	0.0
		0.0	0.0	-1.02e-05	0.0	247.0	0.38	-1.32	0.0	-2.55e-05	0.0	0.0
101	17	0.81	0.0	-2.18e-03	-2.64	0.0	0.41	1.32	0.0	-2.78e-05	0.0	0.0
		0.0	0.0	-1.03e-05	0.0	247.0	0.41	-1.32	0.0	-2.78e-05	0.0	0.0
101	18	0.81	0.0	-2.18e-03	-2.64	0.0	0.48	1.32	0.0	-8.00e-05	0.0	0.0
		0.0	0.0	-1.93e-05	0.0	247.0	0.48	-1.32	0.0	-8.00e-05	0.0	0.0
101	19	0.81	0.0	-1.89e-03	-2.64	0.0	-1.92	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	-8.99e-03	0.0	247.0	-1.92	-1.32	0.0	-0.04	0.0	0.0
101	28	0.81	0.0	-1.84e-03	-2.64	0.0	-2.19	1.32	0.0	-0.03	0.0	0.0
		0.0	0.0	-6.35e-03	0.0	247.0	-2.19	-1.32	0.0	-0.03	0.0	0.0
101	29	0.81	0.0	-2.52e-03	-2.64	0.0	3.16	1.32	0.0	0.03	0.0	0.0
		0.0	0.0	6.31e-03	0.0	247.0	3.16	-1.32	0.0	0.03	0.0	0.0
101	36	0.81	0.0	-2.01e-03	-2.64	0.0	-0.40	1.32	0.0	-0.01	0.0	0.0
		0.0	0.0	-2.62e-03	0.0	247.0	-0.40	-1.32	0.0	-0.01	0.0	0.0
101	37	0.81	0.0	-2.34e-03	-2.64	0.0	1.36	1.32	0.0	0.01	0.0	0.0
		0.0	0.0	2.58e-03	0.0	247.0	1.36	-1.32	0.0	0.01	0.0	0.0
101	38	0.81	0.0	-2.20e-03	-2.64	0.0	1.07	1.32	0.0	0.01	0.0	0.0
		0.0	0.0	2.75e-03	0.0	247.0	1.07	-1.32	0.0	0.01	0.0	0.0
101	60	0.81	0.0	-1.92e-03	-2.64	0.0	-1.47	1.32	0.0	-0.02	0.0	0.0
		0.0	0.0	-4.62e-03	0.0	247.0	-1.47	-1.32	0.0	-0.02	0.0	0.0
101	61	0.81	0.0	-2.43e-03	-2.64	0.0	2.43	1.32	0.0	0.02	0.0	0.0
		0.0	0.0	4.58e-03	0.0	247.0	2.43	-1.32	0.0	0.02	0.0	0.0
101	67	0.81	0.0	-2.17e-03	-2.64	0.0	0.07	1.32	0.0	-8.98e-03	0.0	0.0
		0.0	0.0	-2.04e-03	0.0	247.0	0.07	-1.32	0.0	-8.98e-03	0.0	0.0
101	68	0.81	0.0	-2.04e-03	-2.64	0.0	-0.17	1.32	0.0	-7.61e-03	0.0	0.0
		0.0	0.0	-1.90e-03	0.0	247.0	-0.17	-1.32	0.0	-7.61e-03	0.0	0.0
101	69	0.81	0.0	-2.31e-03	-2.64	0.0	1.13	1.32	0.0	7.45e-03	0.0	0.0
		0.0	0.0	1.86e-03	0.0	247.0	1.13	-1.32	0.0	7.45e-03	0.0	0.0
101	70	0.81	0.0	-2.18e-03	-2.64	0.0	0.89	1.32	0.0	8.82e-03	0.0	0.0

		0.0	0.0	2.00e-03	0.0	247.0	0.89	-1.32	0.0	8.82e-03	0.0	0.0
101	83	0.81	0.0	-2.24e-03	-2.64	0.0	0.59	1.32	0.0	-6.97e-04	0.0	0.0
		0.0	0.0	-8.24e-05	0.0	247.0	0.59	-1.32	0.0	-6.97e-04	0.0	0.0
101	84	0.81	0.0	-2.12e-03	-2.64	0.0	0.37	1.32	0.0	5.37e-04	0.0	0.0
		0.0	0.0	4.38e-05	0.0	247.0	0.37	-1.32	0.0	5.37e-04	0.0	0.0
101	87	0.81	0.0	-1.83e-03	-2.64	0.0	-2.39	1.32	0.0	-0.05	0.0	0.0
		0.0	0.0	-0.01	0.0	247.0	-2.39	-1.32	0.0	-0.05	0.0	0.0
101	96	0.81	0.0	-1.78e-03	-2.64	0.0	-2.71	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	-7.58e-03	0.0	247.0	-2.71	-1.32	0.0	-0.04	0.0	0.0
101	97	0.81	0.0	-2.59e-03	-2.64	0.0	3.68	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	7.54e-03	0.0	247.0	3.68	-1.32	0.0	0.04	0.0	0.0
101	104	0.81	0.0	-1.98e-03	-2.64	0.0	-0.57	1.32	0.0	-0.01	0.0	0.0
		0.0	0.0	-3.14e-03	0.0	247.0	-0.57	-1.32	0.0	-0.01	0.0	0.0
101	105	0.81	0.0	-2.37e-03	-2.64	0.0	1.53	1.32	0.0	0.01	0.0	0.0
		0.0	0.0	3.10e-03	0.0	247.0	1.53	-1.32	0.0	0.01	0.0	0.0
101	106	0.81	0.0	-2.20e-03	-2.64	0.0	1.19	1.32	0.0	0.01	0.0	0.0
		0.0	0.0	3.30e-03	0.0	247.0	1.19	-1.32	0.0	0.01	0.0	0.0
103	1	0.0	0.0	2.81e-03	3.43	0.0	0.26	-1.71	0.0	-6.21e-05	0.0	0.0
		-1.06	0.0	5.73e-06	0.0	247.0	0.26	1.71	0.0	-6.21e-05	0.0	0.0
103	2	0.0	0.0	2.81e-03	3.43	0.0	0.32	-1.71	0.0	-3.46e-04	0.0	0.0
		-1.06	0.0	4.87e-05	0.0	247.0	0.32	1.71	0.0	-3.46e-04	0.0	0.0
103	5	0.0	0.0	2.79e-03	3.43	0.0	0.13	-1.71	0.0	-4.46e-05	0.0	0.0
		-1.06	0.0	6.19e-06	0.0	247.0	0.13	1.71	0.0	-4.46e-05	0.0	0.0
103	7	0.0	0.0	2.14e-03	2.64	0.0	0.02	-1.32	0.0	-2.43e-05	0.0	0.0
		-0.81	0.0	5.03e-06	0.0	247.0	0.02	1.32	0.0	-2.43e-05	0.0	0.0
103	9	0.0	0.0	2.16e-03	2.64	0.0	0.22	-1.32	0.0	-5.05e-05	0.0	0.0
		-0.81	0.0	4.34e-06	0.0	247.0	0.22	1.32	0.0	-5.05e-05	0.0	0.0
103	10	0.0	0.0	2.17e-03	2.64	0.0	0.26	-1.32	0.0	-2.40e-04	0.0	0.0
		-0.81	0.0	3.30e-05	0.0	247.0	0.26	1.32	0.0	-2.40e-04	0.0	0.0
103	11	0.0	0.0	2.15e-03	2.64	0.0	0.13	-1.32	0.0	-3.88e-05	0.0	0.0
		-0.81	0.0	4.64e-06	0.0	247.0	0.13	1.32	0.0	-3.88e-05	0.0	0.0
103	13	0.0	0.0	2.18e-03	2.64	0.0	0.35	-1.32	0.0	-6.79e-05	0.0	0.0
		-0.81	0.0	3.88e-06	0.0	247.0	0.35	1.32	0.0	-6.79e-05	0.0	0.0
103	14	0.0	0.0	2.18e-03	2.64	0.0	0.37	-1.32	0.0	-1.63e-04	0.0	0.0
		-0.81	0.0	1.82e-05	0.0	247.0	0.37	1.32	0.0	-1.63e-04	0.0	0.0
103	15	0.0	0.0	2.18e-03	2.64	0.0	0.30	-1.32	0.0	-6.21e-05	0.0	0.0
		-0.81	0.0	4.04e-06	0.0	247.0	0.30	1.32	0.0	-6.21e-05	0.0	0.0
103	17	0.0	0.0	2.18e-03	2.64	0.0	0.35	-1.32	0.0	-6.79e-05	0.0	0.0
		-0.81	0.0	3.88e-06	0.0	247.0	0.35	1.32	0.0	-6.79e-05	0.0	0.0
103	18	0.0	0.0	2.18e-03	2.64	0.0	0.36	-1.32	0.0	-1.25e-04	0.0	0.0
		-0.81	0.0	1.25e-05	0.0	247.0	0.36	1.32	0.0	-1.25e-04	0.0	0.0
103	19	0.0	0.0	2.52e-03	2.64	0.0	3.26	-1.32	0.0	-0.03	0.0	0.0
		-0.81	0.0	8.92e-03	0.0	247.0	3.26	1.32	0.0	-0.03	0.0	0.0
103	29	0.0	0.0	1.89e-03	2.64	0.0	-2.61	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	-6.24e-03	0.0	247.0	-2.61	1.32	0.0	0.02	0.0	0.0
103	31	0.0	0.0	2.53e-03	2.64	0.0	3.48	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	6.26e-03	0.0	247.0	3.48	1.32	0.0	-0.02	0.0	0.0
103	34	0.0	0.0	1.84e-03	2.64	0.0	-2.76	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	-6.23e-03	0.0	247.0	-2.76	1.32	0.0	0.02	0.0	0.0
103	35	0.0	0.0	2.35e-03	2.64	0.0	1.46	-1.32	0.0	-0.01	0.0	0.0
		-0.81	0.0	2.76e-03	0.0	247.0	1.46	1.32	0.0	-0.01	0.0	0.0
103	38	0.0	0.0	2.01e-03	2.64	0.0	-0.74	-1.32	0.0	9.97e-03	0.0	0.0
		-0.81	0.0	-2.74e-03	0.0	247.0	-0.74	1.32	0.0	9.97e-03	0.0	0.0
103	51	0.0	0.0	2.43e-03	2.64	0.0	2.47	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	6.48e-03	0.0	247.0	2.47	1.32	0.0	-0.02	0.0	0.0
103	61	0.0	0.0	1.97e-03	2.64	0.0	-1.79	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	-4.54e-03	0.0	247.0	-1.79	1.32	0.0	0.02	0.0	0.0
103	63	0.0	0.0	2.43e-03	2.64	0.0	2.64	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	4.55e-03	0.0	247.0	2.64	1.32	0.0	-0.02	0.0	0.0
103	66	0.0	0.0	1.93e-03	2.64	0.0	-1.92	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	-4.53e-03	0.0	247.0	-1.92	1.32	0.0	0.02	0.0	0.0
103	67	0.0	0.0	2.32e-03	2.64	0.0	1.18	-1.32	0.0	-7.59e-03	0.0	0.0
		-0.81	0.0	2.02e-03	0.0	247.0	1.18	1.32	0.0	-7.59e-03	0.0	0.0
103	70	0.0	0.0	2.05e-03	2.64	0.0	-0.47	-1.32	0.0	7.34e-03	0.0	0.0
		-0.81	0.0	-1.99e-03	0.0	247.0	-0.47	1.32	0.0	7.34e-03	0.0	0.0
103	83	0.0	0.0	2.24e-03	2.64	0.0	0.55	-1.32	0.0	-7.63e-04	0.0	0.0
		-0.81	0.0	7.56e-05	0.0	247.0	0.55	1.32	0.0	-7.63e-04	0.0	0.0
103	84	0.0	0.0	2.12e-03	2.64	0.0	0.17	-1.32	0.0	5.14e-04	0.0	0.0
		-0.81	0.0	-5.06e-05	0.0	247.0	0.17	1.32	0.0	5.14e-04	0.0	0.0
103	85	0.0	0.0	2.24e-03	2.64	0.0	0.56	-1.32	0.0	1.38e-03	0.0	0.0
		-0.81	0.0	-7.84e-05	0.0	247.0	0.56	1.32	0.0	1.38e-03	0.0	0.0
103	86	0.0	0.0	2.13e-03	2.64	0.0	0.16	-1.32	0.0	-1.63e-03	0.0	0.0
		-0.81	0.0	1.03e-04	0.0	247.0	0.16	1.32	0.0	-1.63e-03	0.0	0.0
103	87	0.0	0.0	2.59e-03	2.64	0.0	3.83	-1.32	0.0	-0.04	0.0	0.0
		-0.81	0.0	0.01	0.0	247.0	3.83	1.32	0.0	-0.04	0.0	0.0

103	97	0.0	0.0	1.83e-03	2.64	0.0	-3.19	-1.32	0.0	0.03	0.0	0.0
		-0.81	0.0	-7.46e-03	0.0	247.0	-3.19	1.32	0.0	0.03	0.0	0.0
103	99	0.0	0.0	2.60e-03	2.64	0.0	4.08	-1.32	0.0	-0.03	0.0	0.0
		-0.81	0.0	7.47e-03	0.0	247.0	4.08	1.32	0.0	-0.03	0.0	0.0
103	102	0.0	0.0	1.79e-03	2.64	0.0	-3.37	-1.32	0.0	0.03	0.0	0.0
		-0.81	0.0	-7.45e-03	0.0	247.0	-3.37	1.32	0.0	0.03	0.0	0.0
103	103	0.0	0.0	2.38e-03	2.64	0.0	1.66	-1.32	0.0	-0.01	0.0	0.0
		-0.81	0.0	3.30e-03	0.0	247.0	1.66	1.32	0.0	-0.01	0.0	0.0
103	106	0.0	0.0	1.99e-03	2.64	0.0	-0.94	-1.32	0.0	0.01	0.0	0.0
		-0.81	0.0	-3.28e-03	0.0	247.0	-0.94	1.32	0.0	0.01	0.0	0.0
104	1	0.43	0.0	-4.77e-04	-2.19	0.0	0.85	1.10	0.0	-8.87e-04	0.0	0.0
		0.0	0.0	-2.11e-06	0.0	158.0	0.85	-1.10	0.0	-8.87e-04	0.0	0.0
104	2	0.43	0.0	-4.72e-04	-2.19	0.0	1.10	1.10	0.0	-1.45e-03	0.0	0.0
		0.0	0.0	6.42e-05	0.0	158.0	1.10	-1.10	0.0	-1.45e-03	0.0	0.0
104	3	0.33	0.0	-3.68e-04	-1.69	0.0	0.63	0.84	0.0	-8.54e-04	0.0	0.0
		0.0	0.0	-6.37e-06	0.0	158.0	0.63	-0.84	0.0	-8.54e-04	0.0	0.0
104	6	0.43	0.0	-4.76e-04	-2.19	0.0	0.95	1.10	0.0	-1.77e-03	0.0	0.0
		0.0	0.0	3.06e-05	0.0	158.0	0.95	-1.10	0.0	-1.77e-03	0.0	0.0
104	7	0.33	0.0	-3.70e-04	-1.69	0.0	0.55	0.84	0.0	-1.35e-03	0.0	0.0
		0.0	0.0	-2.01e-05	0.0	158.0	0.55	-0.84	0.0	-1.35e-03	0.0	0.0
104	8	0.33	0.0	-3.67e-04	-1.69	0.0	0.73	0.84	0.0	-1.74e-03	0.0	0.0
		0.0	0.0	2.63e-05	0.0	158.0	0.73	-0.84	0.0	-1.74e-03	0.0	0.0
104	9	0.33	0.0	-3.67e-04	-1.69	0.0	0.66	0.84	0.0	-6.06e-04	0.0	0.0
		0.0	0.0	0.0	0.0	158.0	0.66	-0.84	0.0	-6.06e-04	0.0	0.0
104	10	0.33	0.0	-3.63e-04	-1.69	0.0	0.83	0.84	0.0	-9.80e-04	0.0	0.0
		0.0	0.0	4.47e-05	0.0	158.0	0.83	-0.84	0.0	-9.80e-04	0.0	0.0
104	11	0.33	0.0	-3.68e-04	-1.69	0.0	0.61	0.84	0.0	-9.36e-04	0.0	0.0
		0.0	0.0	-8.66e-06	0.0	158.0	0.61	-0.84	0.0	-9.36e-04	0.0	0.0
104	12	0.33	0.0	-3.66e-04	-1.69	0.0	0.73	0.84	0.0	-1.20e-03	0.0	0.0
		0.0	0.0	2.23e-05	0.0	158.0	0.73	-0.84	0.0	-1.20e-03	0.0	0.0
104	13	0.33	0.0	-3.64e-04	-1.69	0.0	0.74	0.84	0.0	-1.11e-04	0.0	0.0
		0.0	0.0	1.42e-05	0.0	158.0	0.74	-0.84	0.0	-1.11e-04	0.0	0.0
104	14	0.33	0.0	-3.63e-04	-1.69	0.0	0.82	0.84	0.0	-2.98e-04	0.0	0.0
		0.0	0.0	3.63e-05	0.0	158.0	0.82	-0.84	0.0	-2.98e-04	0.0	0.0
104	15	0.33	0.0	-3.65e-04	-1.69	0.0	0.71	0.84	0.0	-2.76e-04	0.0	0.0
		0.0	0.0	9.64e-06	0.0	158.0	0.71	-0.84	0.0	-2.76e-04	0.0	0.0
104	16	0.33	0.0	-3.64e-04	-1.69	0.0	0.76	0.84	0.0	-3.89e-04	0.0	0.0
		0.0	0.0	2.29e-05	0.0	158.0	0.76	-0.84	0.0	-3.89e-04	0.0	0.0
104	17	0.33	0.0	-3.64e-04	-1.69	0.0	0.74	0.84	0.0	-1.11e-04	0.0	0.0
		0.0	0.0	1.42e-05	0.0	158.0	0.74	-0.84	0.0	-1.11e-04	0.0	0.0
104	18	0.33	0.0	-3.63e-04	-1.69	0.0	0.79	0.84	0.0	-2.24e-04	0.0	0.0
		0.0	0.0	2.75e-05	0.0	158.0	0.79	-0.84	0.0	-2.24e-04	0.0	0.0
104	25	0.33	0.0	1.90e-03	-1.69	0.0	-7.12	0.84	0.0	8.75e-03	0.0	0.0
		0.0	0.0	-1.57e-04	0.0	158.0	-7.12	-0.84	0.0	8.75e-03	0.0	0.0
104	31	0.33	0.0	-2.00e-03	-1.69	0.0	9.46	0.84	0.0	-8.18e-03	0.0	0.0
		0.0	0.0	3.47e-04	0.0	158.0	9.46	-0.84	0.0	-8.18e-03	0.0	0.0
104	34	0.33	0.0	2.01e-03	-1.69	0.0	-7.89	0.84	0.0	7.73e-03	0.0	0.0
		0.0	0.0	-2.92e-04	0.0	158.0	-7.89	-0.84	0.0	7.73e-03	0.0	0.0
104	35	0.33	0.0	-6.91e-04	-1.69	0.0	3.56	0.84	0.0	-1.95e-03	0.0	0.0
		0.0	0.0	1.25e-04	0.0	158.0	3.56	-0.84	0.0	-1.95e-03	0.0	0.0
104	47	0.33	0.0	-7.15e-04	-1.69	0.0	3.75	0.84	0.0	-1.56e-03	0.0	0.0
		0.0	0.0	2.20e-04	0.0	158.0	3.75	-0.84	0.0	-1.56e-03	0.0	0.0
104	50	0.33	0.0	6.04e-04	-1.69	0.0	-2.17	0.84	0.0	1.11e-03	0.0	0.0
		0.0	0.0	-1.66e-04	0.0	158.0	-2.17	-0.84	0.0	1.11e-03	0.0	0.0
104	57	0.33	0.0	1.38e-03	-1.69	0.0	-4.93	0.84	0.0	6.32e-03	0.0	0.0
		0.0	0.0	-1.04e-04	0.0	158.0	-4.93	-0.84	0.0	6.32e-03	0.0	0.0
104	63	0.33	0.0	-1.46e-03	-1.69	0.0	7.12	0.84	0.0	-5.98e-03	0.0	0.0
		0.0	0.0	2.66e-04	0.0	158.0	7.12	-0.84	0.0	-5.98e-03	0.0	0.0
104	66	0.33	0.0	1.46e-03	-1.69	0.0	-5.54	0.84	0.0	5.53e-03	0.0	0.0
		0.0	0.0	-2.11e-04	0.0	158.0	-5.54	-0.84	0.0	5.53e-03	0.0	0.0
104	67	0.33	0.0	-5.92e-04	-1.69	0.0	2.86	0.84	0.0	-1.43e-03	0.0	0.0
		0.0	0.0	9.97e-05	0.0	158.0	2.86	-0.84	0.0	-1.43e-03	0.0	0.0
104	79	0.33	0.0	-6.08e-04	-1.69	0.0	3.00	0.84	0.0	-1.08e-03	0.0	0.0
		0.0	0.0	1.82e-04	0.0	158.0	3.00	-0.84	0.0	-1.08e-03	0.0	0.0
104	82	0.33	0.0	4.40e-04	-1.69	0.0	-1.42	0.84	0.0	6.37e-04	0.0	0.0
		0.0	0.0	-1.27e-04	0.0	158.0	-1.42	-0.84	0.0	6.37e-04	0.0	0.0
104	83	0.33	0.0	-3.63e-04	-1.69	0.0	1.08	0.84	0.0	3.79e-04	0.0	0.0
		0.0	0.0	4.92e-05	0.0	158.0	1.08	-0.84	0.0	3.79e-04	0.0	0.0
104	85	0.33	0.0	-3.63e-04	-1.69	0.0	1.10	0.84	0.0	6.28e-04	0.0	0.0
		0.0	0.0	1.10e-04	0.0	158.0	1.10	-0.84	0.0	6.28e-04	0.0	0.0
104	86	0.33	0.0	-3.64e-04	-1.69	0.0	0.48	0.84	0.0	-1.08e-03	0.0	0.0
		0.0	0.0	-5.50e-05	0.0	158.0	0.48	-0.84	0.0	-1.08e-03	0.0	0.0
104	93	0.33	0.0	2.27e-03	-1.69	0.0	-8.69	0.84	0.0	0.01	0.0	0.0
		0.0	0.0	-1.95e-04	0.0	158.0	-8.69	-0.84	0.0	0.01	0.0	0.0
104	99	0.33	0.0	-2.39e-03	-1.69	0.0	11.14	0.84	0.0	-9.73e-03	0.0	0.0

		0.0	0.0	4.07e-04	0.0	158.0	11.14	-0.84	0.0	-9.73e-03	0.0	0.0
104	102	0.33	0.0	2.40e-03	-1.69	0.0	-9.57	0.84	0.0	9.29e-03	0.0	0.0
		0.0	0.0	-3.52e-04	0.0	158.0	-9.57	-0.84	0.0	9.29e-03	0.0	0.0
104	103	0.33	0.0	-7.68e-04	-1.69	0.0	4.09	0.84	0.0	-2.32e-03	0.0	0.0
		0.0	0.0	1.42e-04	0.0	158.0	4.09	-0.84	0.0	-2.32e-03	0.0	0.0
104	115	0.33	0.0	-7.95e-04	-1.69	0.0	4.30	0.84	0.0	-1.87e-03	0.0	0.0
		0.0	0.0	2.53e-04	0.0	158.0	4.30	-0.84	0.0	-1.87e-03	0.0	0.0
104	118	0.33	0.0	7.21e-04	-1.69	0.0	-2.73	0.84	0.0	1.42e-03	0.0	0.0
		0.0	0.0	-1.98e-04	0.0	158.0	-2.73	-0.84	0.0	1.42e-03	0.0	0.0
105	1	1.06	0.0	-2.81e-03	-3.43	0.0	0.76	1.71	0.0	-7.27e-05	0.0	0.0
		0.0	0.0	-1.16e-05	0.0	247.0	0.76	-1.71	0.0	-7.27e-05	0.0	0.0
105	2	1.06	0.0	-2.80e-03	-3.43	0.0	-0.32	1.71	0.0	-3.84e-04	0.0	0.0
		0.0	0.0	-4.48e-05	0.0	247.0	-0.32	-1.71	0.0	-3.84e-04	0.0	0.0
105	4	0.81	0.0	-2.14e-03	-2.64	0.0	-0.37	1.32	0.0	-3.65e-04	0.0	0.0
		0.0	0.0	-4.21e-05	0.0	247.0	-0.37	-1.32	0.0	-3.65e-04	0.0	0.0
105	5	1.06	0.0	-2.79e-03	-3.43	0.0	1.13	1.71	0.0	-6.46e-05	0.0	0.0
		0.0	0.0	-1.17e-05	0.0	247.0	1.13	-1.71	0.0	-6.46e-05	0.0	0.0
105	9	0.81	0.0	-2.16e-03	-2.64	0.0	0.53	1.32	0.0	-5.72e-05	0.0	0.0
		0.0	0.0	-8.90e-06	0.0	247.0	0.53	-1.32	0.0	-5.72e-05	0.0	0.0
105	10	0.81	0.0	-2.15e-03	-2.64	0.0	-0.19	1.32	0.0	-2.65e-04	0.0	0.0
		0.0	0.0	-3.10e-05	0.0	247.0	-0.19	-1.32	0.0	-2.65e-04	0.0	0.0
105	11	0.81	0.0	-2.15e-03	-2.64	0.0	0.77	1.32	0.0	-5.18e-05	0.0	0.0
		0.0	0.0	-8.95e-06	0.0	247.0	0.77	-1.32	0.0	-5.18e-05	0.0	0.0
105	13	0.81	0.0	-2.18e-03	-2.64	0.0	0.16	1.32	0.0	-6.52e-05	0.0	0.0
		0.0	0.0	-8.84e-06	0.0	247.0	0.16	-1.32	0.0	-6.52e-05	0.0	0.0
105	14	0.81	0.0	-2.18e-03	-2.64	0.0	-0.20	1.32	0.0	-1.69e-04	0.0	0.0
		0.0	0.0	-1.99e-05	0.0	247.0	-0.20	-1.32	0.0	-1.69e-04	0.0	0.0
105	15	0.81	0.0	-2.17e-03	-2.64	0.0	0.29	1.32	0.0	-6.25e-05	0.0	0.0
		0.0	0.0	-8.86e-06	0.0	247.0	0.29	-1.32	0.0	-6.25e-05	0.0	0.0
105	17	0.81	0.0	-2.18e-03	-2.64	0.0	0.16	1.32	0.0	-6.52e-05	0.0	0.0
		0.0	0.0	-8.84e-06	0.0	247.0	0.16	-1.32	0.0	-6.52e-05	0.0	0.0
105	18	0.81	0.0	-2.18e-03	-2.64	0.0	-0.05	1.32	0.0	-1.28e-04	0.0	0.0
		0.0	0.0	-1.55e-05	0.0	247.0	-0.05	-1.32	0.0	-1.28e-04	0.0	0.0
105	27	0.81	0.0	-1.93e-03	-2.64	0.0	-3.50	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	-4.92e-03	0.0	247.0	-3.50	-1.32	0.0	-0.04	0.0	0.0
105	30	0.81	0.0	-2.43e-03	-2.64	0.0	3.40	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	4.89e-03	0.0	247.0	3.40	-1.32	0.0	0.04	0.0	0.0
105	39	0.81	0.0	-2.16e-03	-2.64	0.0	-1.73	1.32	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.57e-03	0.0	247.0	-1.73	-1.32	0.0	-0.01	0.0	0.0
105	42	0.81	0.0	-2.19e-03	-2.64	0.0	1.62	1.32	0.0	0.01	0.0	0.0
		0.0	0.0	1.54e-03	0.0	247.0	1.62	-1.32	0.0	0.01	0.0	0.0
105	44	0.81	0.0	-2.03e-03	-2.64	0.0	-0.32	1.32	0.0	-0.02	0.0	0.0
		0.0	0.0	-2.25e-03	0.0	247.0	-0.32	-1.32	0.0	-0.02	0.0	0.0
105	47	0.81	0.0	-2.16e-03	-2.64	0.0	-1.66	1.32	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.33e-03	0.0	247.0	-1.66	-1.32	0.0	-0.01	0.0	0.0
105	59	0.81	0.0	-2.00e-03	-2.64	0.0	-2.58	1.32	0.0	-0.03	0.0	0.0
		0.0	0.0	-3.59e-03	0.0	247.0	-2.58	-1.32	0.0	-0.03	0.0	0.0
105	62	0.81	0.0	-2.36e-03	-2.64	0.0	2.47	1.32	0.0	0.03	0.0	0.0
		0.0	0.0	3.55e-03	0.0	247.0	2.47	-1.32	0.0	0.03	0.0	0.0
105	71	0.81	0.0	-2.18e-03	-2.64	0.0	-1.32	1.32	0.0	-9.21e-03	0.0	0.0
		0.0	0.0	-1.16e-03	0.0	247.0	-1.32	-1.32	0.0	-9.21e-03	0.0	0.0
105	74	0.81	0.0	-2.18e-03	-2.64	0.0	1.21	1.32	0.0	8.95e-03	0.0	0.0
		0.0	0.0	1.13e-03	0.0	247.0	1.21	-1.32	0.0	8.95e-03	0.0	0.0
105	76	0.81	0.0	-2.06e-03	-2.64	0.0	-0.20	1.32	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.66e-03	0.0	247.0	-0.20	-1.32	0.0	-0.01	0.0	0.0
105	79	0.81	0.0	-2.18e-03	-2.64	0.0	-1.27	1.32	0.0	-8.19e-03	0.0	0.0
		0.0	0.0	-9.54e-04	0.0	247.0	-1.27	-1.32	0.0	-8.19e-03	0.0	0.0
105	83	0.81	0.0	-2.23e-03	-2.64	0.0	-0.55	1.32	0.0	-3.77e-04	0.0	0.0
		0.0	0.0	-8.55e-05	0.0	247.0	-0.55	-1.32	0.0	-3.77e-04	0.0	0.0
105	84	0.81	0.0	-2.12e-03	-2.64	0.0	0.45	1.32	0.0	1.22e-04	0.0	0.0
		0.0	0.0	5.46e-05	0.0	247.0	0.45	-1.32	0.0	1.22e-04	0.0	0.0
105	85	0.81	0.0	-2.23e-03	-2.64	0.0	-0.51	1.32	0.0	5.42e-04	0.0	0.0
		0.0	0.0	9.71e-05	0.0	247.0	-0.51	-1.32	0.0	5.42e-04	0.0	0.0
105	86	0.81	0.0	-2.13e-03	-2.64	0.0	0.40	1.32	0.0	-7.97e-04	0.0	0.0
		0.0	0.0	-1.28e-04	0.0	247.0	0.40	-1.32	0.0	-7.97e-04	0.0	0.0
105	95	0.81	0.0	-1.88e-03	-2.64	0.0	-4.17	1.32	0.0	-0.05	0.0	0.0
		0.0	0.0	-5.87e-03	0.0	247.0	-4.17	-1.32	0.0	-0.05	0.0	0.0
105	98	0.81	0.0	-2.48e-03	-2.64	0.0	4.06	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	5.84e-03	0.0	247.0	4.06	-1.32	0.0	0.05	0.0	0.0
105	107	0.81	0.0	-2.16e-03	-2.64	0.0	-2.03	1.32	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.87e-03	0.0	247.0	-2.03	-1.32	0.0	-0.01	0.0	0.0
105	110	0.81	0.0	-2.20e-03	-2.64	0.0	1.93	1.32	0.0	0.01	0.0	0.0
		0.0	0.0	1.84e-03	0.0	247.0	1.93	-1.32	0.0	0.01	0.0	0.0
105	112	0.81	0.0	-2.01e-03	-2.64	0.0	-0.39	1.32	0.0	-0.02	0.0	0.0
		0.0	0.0	-2.69e-03	0.0	247.0	-0.39	-1.32	0.0	-0.02	0.0	0.0

105	115	0.81	0.0	-2.16e-03	-2.64	0.0	-1.96	1.32	0.0	-0.01	0.0	0.0
		0.0	0.0	-1.60e-03	0.0	247.0	-1.96	-1.32	0.0	-0.01	0.0	0.0
106	1	0.0	0.0	-4.81e-06	1.25	0.0	-5.60e-04	-0.63	0.0	-2.67e-04	0.0	0.0
		-0.25	0.0	-2.66e-05	0.0	158.0	-5.60e-04	0.63	0.0	-2.67e-04	0.0	0.0
106	4	0.0	0.0	-3.42e-05	0.96	0.0	-9.41e-04	-0.48	0.0	-2.32e-04	0.0	0.0
		-0.19	0.0	-1.07e-04	0.0	158.0	-9.41e-04	0.48	0.0	-2.32e-04	0.0	0.0
106	7	0.0	0.0	3.89e-06	0.96	0.0	-1.07e-03	-0.48	0.0	-4.60e-04	0.0	0.0
		-0.19	0.0	-2.31e-05	0.0	158.0	-1.07e-03	0.48	0.0	-4.60e-04	0.0	0.0
106	8	0.0	0.0	-2.24e-05	0.96	0.0	-1.31e-03	-0.48	0.0	-4.33e-04	0.0	0.0
		-0.19	0.0	-8.35e-05	0.0	158.0	-1.31e-03	0.48	0.0	-4.33e-04	0.0	0.0
106	9	0.0	0.0	-4.07e-06	0.96	0.0	-3.58e-04	-0.48	0.0	-1.77e-04	0.0	0.0
		-0.19	0.0	-2.01e-05	0.0	158.0	-3.58e-04	0.48	0.0	-1.77e-04	0.0	0.0
106	10	0.0	0.0	-2.50e-05	0.96	0.0	-5.89e-04	-0.48	0.0	-1.50e-04	0.0	0.0
		-0.19	0.0	-7.76e-05	0.0	158.0	-5.89e-04	0.48	0.0	-1.50e-04	0.0	0.0
106	11	0.0	0.0	2.95e-06	0.96	0.0	-6.74e-04	-0.48	0.0	-3.03e-04	0.0	0.0
		-0.19	0.0	-2.15e-05	0.0	158.0	-6.74e-04	0.48	0.0	-3.03e-04	0.0	0.0
106	12	0.0	0.0	-1.71e-05	0.96	0.0	-8.35e-04	-0.48	0.0	-2.84e-04	0.0	0.0
		-0.19	0.0	-6.17e-05	0.0	158.0	-8.35e-04	0.48	0.0	-2.84e-04	0.0	0.0
106	13	0.0	0.0	-6.49e-06	0.96	0.0	1.15e-04	-0.48	0.0	1.24e-05	0.0	0.0
		-0.19	0.0	-1.81e-05	0.0	158.0	1.15e-04	0.48	0.0	1.24e-05	0.0	0.0
106	14	0.0	0.0	-1.69e-05	0.96	0.0	0.0	-0.48	0.0	2.56e-05	0.0	0.0
		-0.19	0.0	-4.68e-05	0.0	158.0	0.0	0.48	0.0	2.56e-05	0.0	0.0
106	15	0.0	0.0	-5.68e-06	0.96	0.0	-4.29e-05	-0.48	0.0	-5.06e-05	0.0	0.0
		-0.19	0.0	-1.88e-05	0.0	158.0	-4.29e-05	0.48	0.0	-5.06e-05	0.0	0.0
106	16	0.0	0.0	-1.20e-05	0.96	0.0	-1.12e-04	-0.48	0.0	-4.27e-05	0.0	0.0
		-0.19	0.0	-3.60e-05	0.0	158.0	-1.12e-04	0.48	0.0	-4.27e-05	0.0	0.0
106	17	0.0	0.0	-6.49e-06	0.96	0.0	1.15e-04	-0.48	0.0	1.24e-05	0.0	0.0
		-0.19	0.0	-1.81e-05	0.0	158.0	1.15e-04	0.48	0.0	1.24e-05	0.0	0.0
106	18	0.0	0.0	-1.28e-05	0.96	0.0	4.57e-05	-0.48	0.0	2.03e-05	0.0	0.0
		-0.19	0.0	-3.53e-05	0.0	158.0	4.57e-05	0.48	0.0	2.03e-05	0.0	0.0
106	19	0.0	0.0	5.39e-04	0.96	0.0	0.03	-0.48	0.0	-1.83e-03	0.0	0.0
		-0.19	0.0	-4.81e-04	0.0	158.0	0.03	0.48	0.0	-1.83e-03	0.0	0.0
106	22	0.0	0.0	-5.64e-04	0.96	0.0	-0.03	-0.48	0.0	1.88e-03	0.0	0.0
		-0.19	0.0	4.10e-04	0.0	158.0	-0.03	0.48	0.0	1.88e-03	0.0	0.0
106	26	0.0	0.0	-5.67e-04	0.96	0.0	-0.03	-0.48	0.0	1.82e-03	0.0	0.0
		-0.19	0.0	4.27e-04	0.0	158.0	-0.03	0.48	0.0	1.82e-03	0.0	0.0
106	40	0.0	0.0	1.76e-04	0.96	0.0	-8.69e-03	-0.48	0.0	-1.06e-03	0.0	0.0
		-0.19	0.0	-1.64e-04	0.0	158.0	-8.69e-03	0.48	0.0	-1.06e-03	0.0	0.0
106	47	0.0	0.0	1.78e-04	0.96	0.0	-4.17e-03	-0.48	0.0	2.63e-04	0.0	0.0
		-0.19	0.0	-2.66e-04	0.0	158.0	-4.17e-03	0.48	0.0	2.63e-04	0.0	0.0
106	50	0.0	0.0	-2.04e-04	0.96	0.0	4.26e-03	-0.48	0.0	-2.22e-04	0.0	0.0
		-0.19	0.0	1.96e-04	0.0	158.0	4.26e-03	0.48	0.0	-2.22e-04	0.0	0.0
106	51	0.0	0.0	3.87e-04	0.96	0.0	0.02	-0.48	0.0	-1.32e-03	0.0	0.0
		-0.19	0.0	-3.60e-04	0.0	158.0	0.02	0.48	0.0	-1.32e-03	0.0	0.0
106	54	0.0	0.0	-4.13e-04	0.96	0.0	-0.02	-0.48	0.0	1.36e-03	0.0	0.0
		-0.19	0.0	2.89e-04	0.0	158.0	-0.02	0.48	0.0	1.36e-03	0.0	0.0
106	58	0.0	0.0	-4.15e-04	0.96	0.0	-0.02	-0.48	0.0	1.31e-03	0.0	0.0
		-0.19	0.0	3.04e-04	0.0	158.0	-0.02	0.48	0.0	1.31e-03	0.0	0.0
106	72	0.0	0.0	1.26e-04	0.96	0.0	-6.14e-03	-0.48	0.0	-7.99e-04	0.0	0.0
		-0.19	0.0	-1.28e-04	0.0	158.0	-6.14e-03	0.48	0.0	-7.99e-04	0.0	0.0
106	79	0.0	0.0	1.26e-04	0.96	0.0	-2.16e-03	-0.48	0.0	2.84e-04	0.0	0.0
		-0.19	0.0	-2.15e-04	0.0	158.0	-2.16e-03	0.48	0.0	2.84e-04	0.0	0.0
106	82	0.0	0.0	-1.52e-04	0.96	0.0	2.25e-03	-0.48	0.0	-2.43e-04	0.0	0.0
		-0.19	0.0	1.45e-04	0.0	158.0	2.25e-03	0.48	0.0	-2.43e-04	0.0	0.0
106	83	0.0	0.0	-1.60e-05	0.96	0.0	1.84e-03	-0.48	0.0	4.21e-04	0.0	0.0
		-0.19	0.0	-5.10e-05	0.0	158.0	1.84e-03	0.48	0.0	4.21e-04	0.0	0.0
106	84	0.0	0.0	-9.56e-06	0.96	0.0	-1.75e-03	-0.48	0.0	-3.80e-04	0.0	0.0
		-0.19	0.0	-1.97e-05	0.0	158.0	-1.75e-03	0.48	0.0	-3.80e-04	0.0	0.0
106	85	0.0	0.0	-8.98e-06	0.96	0.0	1.84e-03	-0.48	0.0	5.89e-04	0.0	0.0
		-0.19	0.0	-9.78e-05	0.0	158.0	1.84e-03	0.48	0.0	5.89e-04	0.0	0.0
106	86	0.0	0.0	-1.65e-05	0.96	0.0	-1.74e-03	-0.48	0.0	-5.48e-04	0.0	0.0
		-0.19	0.0	2.71e-05	0.0	158.0	-1.74e-03	0.48	0.0	-5.48e-04	0.0	0.0
106	87	0.0	0.0	6.48e-04	0.96	0.0	0.03	-0.48	0.0	-2.21e-03	0.0	0.0
		-0.19	0.0	-5.69e-04	0.0	158.0	0.03	0.48	0.0	-2.21e-03	0.0	0.0
106	90	0.0	0.0	-6.73e-04	0.96	0.0	-0.03	-0.48	0.0	2.25e-03	0.0	0.0
		-0.19	0.0	4.98e-04	0.0	158.0	-0.03	0.48	0.0	2.25e-03	0.0	0.0
106	94	0.0	0.0	-6.77e-04	0.96	0.0	-0.03	-0.48	0.0	2.19e-03	0.0	0.0
		-0.19	0.0	5.17e-04	0.0	158.0	-0.03	0.48	0.0	2.19e-03	0.0	0.0
106	108	0.0	0.0	2.13e-04	0.96	0.0	-0.01	-0.48	0.0	-1.25e-03	0.0	0.0
		-0.19	0.0	-1.89e-04	0.0	158.0	-0.01	0.48	0.0	-1.25e-03	0.0	0.0
106	115	0.0	0.0	2.15e-04	0.96	0.0	-5.54e-03	-0.48	0.0	2.76e-04	0.0	0.0
		-0.19	0.0	-3.07e-04	0.0	158.0	-5.54e-03	0.48	0.0	2.76e-04	0.0	0.0
106	118	0.0	0.0	-2.41e-04	0.96	0.0	5.63e-03	-0.48	0.0	-2.35e-04	0.0	0.0
		-0.19	0.0	2.36e-04	0.0	158.0	5.63e-03	0.48	0.0	-2.35e-04	0.0	0.0
107	1	0.0	0.0	2.81e-03	3.43	0.0	1.75	-1.71	0.0	-4.81e-05	0.0	0.0

107	2	-1.06	0.0	2.76e-06	0.0	247.0	1.75	1.71	0.0	-4.81e-05	0.0	0.0
		0.0	0.0	2.81e-03	3.43	0.0	1.70	-1.71	0.0	-3.41e-04	0.0	0.0
		-1.06	0.0	3.35e-05	0.0	247.0	1.70	1.71	0.0	-3.41e-04	0.0	0.0
107	4	0.0	0.0	2.16e-03	2.64	0.0	1.59	-1.32	0.0	-3.28e-04	0.0	0.0
		-0.81	0.0	3.32e-05	0.0	247.0	1.59	1.32	0.0	-3.28e-04	0.0	0.0
107	5	0.0	0.0	2.80e-03	3.43	0.0	2.60	-1.71	0.0	-4.39e-05	0.0	0.0
		-1.06	0.0	3.62e-06	0.0	247.0	2.60	1.71	0.0	-4.39e-05	0.0	0.0
107	6	0.0	0.0	2.79e-03	3.43	0.0	2.56	-1.71	0.0	-2.49e-04	0.0	0.0
		-1.06	0.0	2.52e-05	0.0	247.0	2.56	1.71	0.0	-2.49e-04	0.0	0.0
107	7	0.0	0.0	2.14e-03	2.64	0.0	2.49	-1.32	0.0	-3.13e-05	0.0	0.0
		-0.81	0.0	3.28e-06	0.0	247.0	2.49	1.32	0.0	-3.13e-05	0.0	0.0
107	9	0.0	0.0	2.17e-03	2.64	0.0	1.22	-1.32	0.0	-3.77e-05	0.0	0.0
		-0.81	0.0	1.99e-06	0.0	247.0	1.22	1.32	0.0	-3.77e-05	0.0	0.0
107	10	0.0	0.0	2.16e-03	2.64	0.0	1.18	-1.32	0.0	-2.33e-04	0.0	0.0
		-0.81	0.0	2.25e-05	0.0	247.0	1.18	1.32	0.0	-2.33e-04	0.0	0.0
107	11	0.0	0.0	2.15e-03	2.64	0.0	1.78	-1.32	0.0	-3.49e-05	0.0	0.0
		-0.81	0.0	2.56e-06	0.0	247.0	1.78	1.32	0.0	-3.49e-05	0.0	0.0
107	12	0.0	0.0	2.15e-03	2.64	0.0	1.76	-1.32	0.0	-1.71e-04	0.0	0.0
		-0.81	0.0	1.69e-05	0.0	247.0	1.76	1.32	0.0	-1.71e-04	0.0	0.0
107	13	0.0	0.0	2.18e-03	2.64	0.0	0.37	-1.32	0.0	-4.19e-05	0.0	0.0
		-0.81	0.0	1.13e-06	0.0	247.0	0.37	1.32	0.0	-4.19e-05	0.0	0.0
107	14	0.0	0.0	2.18e-03	2.64	0.0	0.35	-1.32	0.0	-1.39e-04	0.0	0.0
		-0.81	0.0	1.14e-05	0.0	247.0	0.35	1.32	0.0	-1.39e-04	0.0	0.0
107	15	0.0	0.0	2.18e-03	2.64	0.0	0.65	-1.32	0.0	-4.05e-05	0.0	0.0
		-0.81	0.0	1.41e-06	0.0	247.0	0.65	1.32	0.0	-4.05e-05	0.0	0.0
107	16	0.0	0.0	2.18e-03	2.64	0.0	0.64	-1.32	0.0	-9.90e-05	0.0	0.0
		-0.81	0.0	7.57e-06	0.0	247.0	0.64	1.32	0.0	-9.90e-05	0.0	0.0
107	17	0.0	0.0	2.18e-03	2.64	0.0	0.37	-1.32	0.0	-4.19e-05	0.0	0.0
		-0.81	0.0	1.13e-06	0.0	247.0	0.37	1.32	0.0	-4.19e-05	0.0	0.0
107	18	0.0	0.0	2.18e-03	2.64	0.0	0.36	-1.32	0.0	-1.00e-04	0.0	0.0
		-0.81	0.0	7.28e-06	0.0	247.0	0.36	1.32	0.0	-1.00e-04	0.0	0.0
107	32	0.0	0.0	2.43e-03	2.64	0.0	3.28	-1.32	0.0	-0.04	0.0	0.0
		-0.81	0.0	4.96e-03	0.0	247.0	3.28	1.32	0.0	-0.04	0.0	0.0
107	33	0.0	0.0	1.93e-03	2.64	0.0	-2.56	-1.32	0.0	0.04	0.0	0.0
		-0.81	0.0	-4.95e-03	0.0	247.0	-2.56	1.32	0.0	0.04	0.0	0.0
107	35	0.0	0.0	2.33e-03	2.64	0.0	0.17	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	2.20e-03	0.0	247.0	0.17	1.32	0.0	-0.02	0.0	0.0
107	40	0.0	0.0	2.20e-03	2.64	0.0	2.04	-1.32	0.0	-0.01	0.0	0.0
		-0.81	0.0	1.39e-03	0.0	247.0	2.04	1.32	0.0	-0.01	0.0	0.0
107	64	0.0	0.0	2.36e-03	2.64	0.0	2.50	-1.32	0.0	-0.03	0.0	0.0
		-0.81	0.0	3.62e-03	0.0	247.0	2.50	1.32	0.0	-0.03	0.0	0.0
107	65	0.0	0.0	2.00e-03	2.64	0.0	-1.78	-1.32	0.0	0.03	0.0	0.0
		-0.81	0.0	-3.60e-03	0.0	247.0	-1.78	1.32	0.0	0.03	0.0	0.0
107	67	0.0	0.0	2.30e-03	2.64	0.0	0.16	-1.32	0.0	-0.01	0.0	0.0
		-0.81	0.0	1.61e-03	0.0	247.0	0.16	1.32	0.0	-0.01	0.0	0.0
107	72	0.0	0.0	2.18e-03	2.64	0.0	1.64	-1.32	0.0	-8.60e-03	0.0	0.0
		-0.81	0.0	1.00e-03	0.0	247.0	1.64	1.32	0.0	-8.60e-03	0.0	0.0
107	83	0.0	0.0	2.24e-03	2.64	0.0	-0.28	-1.32	0.0	-3.52e-04	0.0	0.0
		-0.81	0.0	7.70e-05	0.0	247.0	-0.28	1.32	0.0	-3.52e-04	0.0	0.0
107	84	0.0	0.0	2.13e-03	2.64	0.0	1.00	-1.32	0.0	1.51e-04	0.0	0.0
		-0.81	0.0	-6.24e-05	0.0	247.0	1.00	1.32	0.0	1.51e-04	0.0	0.0
107	85	0.0	0.0	2.23e-03	2.64	0.0	-0.40	-1.32	0.0	5.70e-04	0.0	0.0
		-0.81	0.0	-1.06e-04	0.0	247.0	-0.40	1.32	0.0	5.70e-04	0.0	0.0
107	86	0.0	0.0	2.13e-03	2.64	0.0	1.12	-1.32	0.0	-7.71e-04	0.0	0.0
		-0.81	0.0	1.20e-04	0.0	247.0	1.12	1.32	0.0	-7.71e-04	0.0	0.0
107	100	0.0	0.0	2.48e-03	2.64	0.0	3.84	-1.32	0.0	-0.05	0.0	0.0
		-0.81	0.0	5.92e-03	0.0	247.0	3.84	1.32	0.0	-0.05	0.0	0.0
107	101	0.0	0.0	1.88e-03	2.64	0.0	-3.12	-1.32	0.0	0.05	0.0	0.0
		-0.81	0.0	-5.91e-03	0.0	247.0	-3.12	1.32	0.0	0.05	0.0	0.0
107	103	0.0	0.0	2.35e-03	2.64	0.0	0.17	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	2.63e-03	0.0	247.0	0.17	1.32	0.0	-0.02	0.0	0.0
107	108	0.0	0.0	2.20e-03	2.64	0.0	2.34	-1.32	0.0	-0.01	0.0	0.0
		-0.81	0.0	1.66e-03	0.0	247.0	2.34	1.32	0.0	-0.01	0.0	0.0
108	1	0.43	0.0	-4.76e-04	-2.19	0.0	1.01	1.10	0.0	-3.39e-04	0.0	0.0
		0.0	0.0	1.31e-05	0.0	158.0	1.01	-1.10	0.0	-3.39e-04	0.0	0.0
108	2	0.43	0.0	-4.71e-04	-2.19	0.0	1.29	1.10	0.0	-2.75e-04	0.0	0.0
		0.0	0.0	8.53e-05	0.0	158.0	1.29	-1.10	0.0	-2.75e-04	0.0	0.0
108	5	0.43	0.0	-4.78e-04	-2.19	0.0	0.92	1.10	0.0	-5.82e-04	0.0	0.0
		0.0	0.0	8.54e-06	0.0	158.0	0.92	-1.10	0.0	-5.82e-04	0.0	0.0
108	6	0.43	0.0	-4.75e-04	-2.19	0.0	1.12	1.10	0.0	-5.37e-04	0.0	0.0
		0.0	0.0	5.91e-05	0.0	158.0	1.12	-1.10	0.0	-5.37e-04	0.0	0.0
108	7	0.33	0.0	-3.69e-04	-1.69	0.0	0.66	0.84	0.0	-5.88e-04	0.0	0.0
		0.0	0.0	3.96e-06	0.0	158.0	0.66	-0.84	0.0	-5.88e-04	0.0	0.0
108	9	0.33	0.0	-3.66e-04	-1.69	0.0	0.79	0.84	0.0	-2.24e-04	0.0	0.0
		0.0	0.0	1.08e-05	0.0	158.0	0.79	-0.84	0.0	-2.24e-04	0.0	0.0

108	10	0.33	0.0	-3.63e-04	-1.69	0.0	0.98	0.84	0.0	-1.81e-04	0.0	0.0
		0.0	0.0	5.89e-05	0.0	158.0	0.98	-0.84	0.0	-1.81e-04	0.0	0.0
108	11	0.33	0.0	-3.67e-04	-1.69	0.0	0.73	0.84	0.0	-3.86e-04	0.0	0.0
		0.0	0.0	7.73e-06	0.0	158.0	0.73	-0.84	0.0	-3.86e-04	0.0	0.0
108	12	0.33	0.0	-3.65e-04	-1.69	0.0	0.86	0.84	0.0	-3.55e-04	0.0	0.0
		0.0	0.0	4.14e-05	0.0	158.0	0.86	-0.84	0.0	-3.55e-04	0.0	0.0
108	13	0.33	0.0	-3.64e-04	-1.69	0.0	0.89	0.84	0.0	1.90e-05	0.0	0.0
		0.0	0.0	1.53e-05	0.0	158.0	0.89	-0.84	0.0	1.90e-05	0.0	0.0
108	14	0.33	0.0	-3.63e-04	-1.69	0.0	0.98	0.84	0.0	4.06e-05	0.0	0.0
		0.0	0.0	3.93e-05	0.0	158.0	0.98	-0.84	0.0	4.06e-05	0.0	0.0
108	15	0.33	0.0	-3.65e-04	-1.69	0.0	0.86	0.84	0.0	-6.19e-05	0.0	0.0
		0.0	0.0	1.38e-05	0.0	158.0	0.86	-0.84	0.0	-6.19e-05	0.0	0.0
108	16	0.33	0.0	-3.64e-04	-1.69	0.0	0.91	0.84	0.0	-4.90e-05	0.0	0.0
		0.0	0.0	2.82e-05	0.0	158.0	0.91	-0.84	0.0	-4.90e-05	0.0	0.0
108	17	0.33	0.0	-3.64e-04	-1.69	0.0	0.89	0.84	0.0	1.90e-05	0.0	0.0
		0.0	0.0	1.53e-05	0.0	158.0	0.89	-0.84	0.0	1.90e-05	0.0	0.0
108	18	0.33	0.0	-3.63e-04	-1.69	0.0	0.94	0.84	0.0	3.20e-05	0.0	0.0
		0.0	0.0	2.97e-05	0.0	158.0	0.94	-0.84	0.0	3.20e-05	0.0	0.0
108	22	0.33	0.0	1.60e-03	-1.69	0.0	4.63	0.84	0.0	3.83e-03	0.0	0.0
		0.0	0.0	-3.43e-04	0.0	158.0	4.63	-0.84	0.0	3.83e-03	0.0	0.0
108	28	0.33	0.0	-1.69e-03	-1.69	0.0	-3.36	0.84	0.0	-3.80e-03	0.0	0.0
		0.0	0.0	4.48e-04	0.0	158.0	-3.36	-0.84	0.0	-3.80e-03	0.0	0.0
108	29	0.33	0.0	1.70e-03	-1.69	0.0	5.24	0.84	0.0	3.86e-03	0.0	0.0
		0.0	0.0	-3.89e-04	0.0	158.0	5.24	-0.84	0.0	3.86e-03	0.0	0.0
108	30	0.33	0.0	1.70e-03	-1.69	0.0	4.91	0.84	0.0	3.40e-03	0.0	0.0
		0.0	0.0	-4.04e-04	0.0	158.0	4.91	-0.84	0.0	3.40e-03	0.0	0.0
108	47	0.33	0.0	-6.51e-04	-1.69	0.0	0.21	0.84	0.0	-3.88e-05	0.0	0.0
		0.0	0.0	2.40e-04	0.0	158.0	0.21	-0.84	0.0	-3.88e-05	0.0	0.0
108	50	0.33	0.0	5.10e-04	-1.69	0.0	1.67	0.84	0.0	1.03e-04	0.0	0.0
		0.0	0.0	-1.81e-04	0.0	158.0	1.67	-0.84	0.0	1.03e-04	0.0	0.0
108	54	0.33	0.0	1.16e-03	-1.69	0.0	3.59	0.84	0.0	2.78e-03	0.0	0.0
		0.0	0.0	-2.42e-04	0.0	158.0	3.59	-0.84	0.0	2.78e-03	0.0	0.0
108	60	0.33	0.0	-1.23e-03	-1.69	0.0	-2.22	0.84	0.0	-2.77e-03	0.0	0.0
		0.0	0.0	3.35e-04	0.0	158.0	-2.22	-0.84	0.0	-2.77e-03	0.0	0.0
108	61	0.33	0.0	1.24e-03	-1.69	0.0	4.10	0.84	0.0	2.84e-03	0.0	0.0
		0.0	0.0	-2.75e-04	0.0	158.0	4.10	-0.84	0.0	2.84e-03	0.0	0.0
108	62	0.33	0.0	1.24e-03	-1.69	0.0	3.81	0.84	0.0	2.48e-03	0.0	0.0
		0.0	0.0	-2.87e-04	0.0	158.0	3.81	-0.84	0.0	2.48e-03	0.0	0.0
108	79	0.33	0.0	-5.65e-04	-1.69	0.0	0.49	0.84	0.0	9.73e-05	0.0	0.0
		0.0	0.0	1.95e-04	0.0	158.0	0.49	-0.84	0.0	9.73e-05	0.0	0.0
108	82	0.33	0.0	3.72e-04	-1.69	0.0	1.39	0.84	0.0	-3.34e-05	0.0	0.0
		0.0	0.0	-1.35e-04	0.0	158.0	1.39	-0.84	0.0	-3.34e-05	0.0	0.0
108	83	0.33	0.0	-3.62e-04	-1.69	0.0	1.38	0.84	0.0	5.70e-04	0.0	0.0
		0.0	0.0	4.64e-05	0.0	158.0	1.38	-0.84	0.0	5.70e-04	0.0	0.0
108	84	0.33	0.0	-3.64e-04	-1.69	0.0	0.50	0.84	0.0	-5.06e-04	0.0	0.0
		0.0	0.0	1.30e-05	0.0	158.0	0.50	-0.84	0.0	-5.06e-04	0.0	0.0
108	85	0.33	0.0	-3.62e-04	-1.69	0.0	1.35	0.84	0.0	7.97e-04	0.0	0.0
		0.0	0.0	9.42e-05	0.0	158.0	1.35	-0.84	0.0	7.97e-04	0.0	0.0
108	86	0.33	0.0	-3.65e-04	-1.69	0.0	0.53	0.84	0.0	-7.33e-04	0.0	0.0
		0.0	0.0	-3.47e-05	0.0	158.0	0.53	-0.84	0.0	-7.33e-04	0.0	0.0
108	90	0.33	0.0	1.92e-03	-1.69	0.0	5.37	0.84	0.0	4.59e-03	0.0	0.0
		0.0	0.0	-4.17e-04	0.0	158.0	5.37	-0.84	0.0	4.59e-03	0.0	0.0
108	96	0.33	0.0	-2.02e-03	-1.69	0.0	-4.19	0.84	0.0	-4.53e-03	0.0	0.0
		0.0	0.0	5.30e-04	0.0	158.0	-4.19	-0.84	0.0	-4.53e-03	0.0	0.0
108	97	0.33	0.0	2.03e-03	-1.69	0.0	6.07	0.84	0.0	4.60e-03	0.0	0.0
		0.0	0.0	-4.70e-04	0.0	158.0	6.07	-0.84	0.0	4.60e-03	0.0	0.0
108	98	0.33	0.0	2.03e-03	-1.69	0.0	5.70	0.84	0.0	4.06e-03	0.0	0.0
		0.0	0.0	-4.87e-04	0.0	158.0	5.70	-0.84	0.0	4.06e-03	0.0	0.0
108	115	0.33	0.0	-7.17e-04	-1.69	0.0	0.04	0.84	0.0	-9.74e-05	0.0	0.0
		0.0	0.0	2.77e-04	0.0	158.0	0.04	-0.84	0.0	-9.74e-05	0.0	0.0
108	118	0.33	0.0	6.08e-04	-1.69	0.0	1.84	0.84	0.0	1.61e-04	0.0	0.0
		0.0	0.0	-2.17e-04	0.0	158.0	1.84	-0.84	0.0	1.61e-04	0.0	0.0
109	1	1.06	0.0	-2.82e-03	-3.43	0.0	0.49	1.71	0.0	-1.68e-05	0.0	0.0
		0.0	0.0	-8.41e-06	0.0	247.0	0.49	-1.71	0.0	-1.68e-05	0.0	0.0
109	2	1.06	0.0	-2.81e-03	-3.43	0.0	1.01	1.71	0.0	-2.65e-04	0.0	0.0
		0.0	0.0	-2.88e-05	0.0	247.0	1.01	-1.71	0.0	-2.65e-04	0.0	0.0
109	4	0.81	0.0	-2.16e-03	-2.64	0.0	0.87	1.32	0.0	-2.70e-04	0.0	0.0
		0.0	0.0	-2.68e-05	0.0	247.0	0.87	-1.32	0.0	-2.70e-04	0.0	0.0
109	5	1.06	0.0	-2.80e-03	-3.43	0.0	0.42	1.71	0.0	-4.25e-05	0.0	0.0
		0.0	0.0	-8.42e-06	0.0	247.0	0.42	-1.71	0.0	-4.25e-05	0.0	0.0
109	7	0.81	0.0	-2.15e-03	-2.64	0.0	0.29	1.32	0.0	-4.75e-05	0.0	0.0
		0.0	0.0	-6.49e-06	0.0	247.0	0.29	-1.32	0.0	-4.75e-05	0.0	0.0
109	9	0.81	0.0	-2.17e-03	-2.64	0.0	0.39	1.32	0.0	-8.96e-06	0.0	0.0
		0.0	0.0	-6.47e-06	0.0	247.0	0.39	-1.32	0.0	-8.96e-06	0.0	0.0
109	10	0.81	0.0	-2.16e-03	-2.64	0.0	0.73	1.32	0.0	-1.74e-04	0.0	0.0

		0.0	0.0	-2.00e-05	0.0	247.0	0.73	-1.32	0.0	-1.74e-04	0.0	0.0
109	11	0.81	0.0	-2.16e-03	-2.64	0.0	0.34	1.32	0.0	-2.61e-05	0.0	0.0
		0.0	0.0	-6.48e-06	0.0	247.0	0.34	-1.32	0.0	-2.61e-05	0.0	0.0
109	13	0.81	0.0	-2.18e-03	-2.64	0.0	0.46	1.32	0.0	1.67e-05	0.0	0.0
		0.0	0.0	-6.45e-06	0.0	247.0	0.46	-1.32	0.0	1.67e-05	0.0	0.0
109	14	0.81	0.0	-2.18e-03	-2.64	0.0	0.63	1.32	0.0	-6.60e-05	0.0	0.0
		0.0	0.0	-1.32e-05	0.0	247.0	0.63	-1.32	0.0	-6.60e-05	0.0	0.0
109	15	0.81	0.0	-2.18e-03	-2.64	0.0	0.44	1.32	0.0	8.16e-06	0.0	0.0
		0.0	0.0	-6.45e-06	0.0	247.0	0.44	-1.32	0.0	8.16e-06	0.0	0.0
109	17	0.81	0.0	-2.18e-03	-2.64	0.0	0.46	1.32	0.0	1.67e-05	0.0	0.0
		0.0	0.0	-6.45e-06	0.0	247.0	0.46	-1.32	0.0	1.67e-05	0.0	0.0
109	18	0.81	0.0	-2.18e-03	-2.64	0.0	0.56	1.32	0.0	-3.29e-05	0.0	0.0
		0.0	0.0	-1.05e-05	0.0	247.0	0.56	-1.32	0.0	-3.29e-05	0.0	0.0
109	19	0.81	0.0	-1.99e-03	-2.64	0.0	-1.02	1.32	0.0	-0.06	0.0	0.0
		0.0	0.0	-4.49e-03	0.0	247.0	-1.02	-1.32	0.0	-0.06	0.0	0.0
109	22	0.81	0.0	-2.37e-03	-2.64	0.0	2.14	1.32	0.0	0.06	0.0	0.0
		0.0	0.0	4.46e-03	0.0	247.0	2.14	-1.32	0.0	0.06	0.0	0.0
109	27	0.81	0.0	-1.99e-03	-2.64	0.0	-1.14	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	-3.09e-03	0.0	247.0	-1.14	-1.32	0.0	-0.04	0.0	0.0
109	28	0.81	0.0	-1.95e-03	-2.64	0.0	-1.24	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	-3.04e-03	0.0	247.0	-1.24	-1.32	0.0	-0.04	0.0	0.0
109	29	0.81	0.0	-2.41e-03	-2.64	0.0	2.37	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	3.02e-03	0.0	247.0	2.37	-1.32	0.0	0.04	0.0	0.0
109	30	0.81	0.0	-2.38e-03	-2.64	0.0	2.26	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	3.07e-03	0.0	247.0	2.26	-1.32	0.0	0.04	0.0	0.0
109	51	0.81	0.0	-2.05e-03	-2.64	0.0	-0.58	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	-3.26e-03	0.0	247.0	-0.58	-1.32	0.0	-0.04	0.0	0.0
109	54	0.81	0.0	-2.31e-03	-2.64	0.0	1.70	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	3.24e-03	0.0	247.0	1.70	-1.32	0.0	0.04	0.0	0.0
109	60	0.81	0.0	-2.01e-03	-2.64	0.0	-0.75	1.32	0.0	-0.03	0.0	0.0
		0.0	0.0	-2.21e-03	0.0	247.0	-0.75	-1.32	0.0	-0.03	0.0	0.0
109	61	0.81	0.0	-2.35e-03	-2.64	0.0	1.88	1.32	0.0	0.03	0.0	0.0
		0.0	0.0	2.19e-03	0.0	247.0	1.88	-1.32	0.0	0.03	0.0	0.0
109	62	0.81	0.0	-2.32e-03	-2.64	0.0	1.79	1.32	0.0	0.03	0.0	0.0
		0.0	0.0	2.23e-03	0.0	247.0	1.79	-1.32	0.0	0.03	0.0	0.0
109	71	0.81	0.0	-2.18e-03	-2.64	0.0	0.32	1.32	0.0	-9.10e-03	0.0	0.0
		0.0	0.0	-7.42e-04	0.0	247.0	0.32	-1.32	0.0	-9.10e-03	0.0	0.0
109	83	0.81	0.0	-2.22e-03	-2.64	0.0	0.69	1.32	0.0	3.44e-04	0.0	0.0
		0.0	0.0	-6.84e-05	0.0	247.0	0.69	-1.32	0.0	3.44e-04	0.0	0.0
109	84	0.81	0.0	-2.14e-03	-2.64	0.0	0.44	1.32	0.0	-4.09e-04	0.0	0.0
		0.0	0.0	4.74e-05	0.0	247.0	0.44	-1.32	0.0	-4.09e-04	0.0	0.0
109	87	0.81	0.0	-1.96e-03	-2.64	0.0	-1.33	1.32	0.0	-0.07	0.0	0.0
		0.0	0.0	-5.37e-03	0.0	247.0	-1.33	-1.32	0.0	-0.07	0.0	0.0
109	90	0.81	0.0	-2.41e-03	-2.64	0.0	2.46	1.32	0.0	0.07	0.0	0.0
		0.0	0.0	5.35e-03	0.0	247.0	2.46	-1.32	0.0	0.07	0.0	0.0
109	95	0.81	0.0	-1.95e-03	-2.64	0.0	-1.47	1.32	0.0	-0.05	0.0	0.0
		0.0	0.0	-3.68e-03	0.0	247.0	-1.47	-1.32	0.0	-0.05	0.0	0.0
109	96	0.81	0.0	-1.91e-03	-2.64	0.0	-1.59	1.32	0.0	-0.05	0.0	0.0
		0.0	0.0	-3.63e-03	0.0	247.0	-1.59	-1.32	0.0	-0.05	0.0	0.0
109	97	0.81	0.0	-2.45e-03	-2.64	0.0	2.71	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	3.61e-03	0.0	247.0	2.71	-1.32	0.0	0.05	0.0	0.0
109	98	0.81	0.0	-2.41e-03	-2.64	0.0	2.59	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	3.66e-03	0.0	247.0	2.59	-1.32	0.0	0.05	0.0	0.0
110	1	0.0	0.0	4.74e-04	2.19	0.0	-9.64e-05	-1.10	0.0	5.19e-04	0.0	0.0
		-0.43	0.0	-1.53e-05	0.0	158.0	-9.64e-05	1.10	0.0	5.19e-04	0.0	0.0
110	4	0.0	0.0	3.54e-04	1.69	0.0	-4.27e-05	-0.84	0.0	1.60e-03	0.0	0.0
		-0.33	0.0	-7.08e-05	0.0	158.0	-4.27e-05	0.84	0.0	1.60e-03	0.0	0.0
110	5	0.0	0.0	4.75e-04	2.19	0.0	-9.87e-05	-1.10	0.0	6.55e-04	0.0	0.0
		-0.43	0.0	-1.48e-05	0.0	158.0	-9.87e-05	1.10	0.0	6.55e-04	0.0	0.0
110	6	0.0	0.0	4.67e-04	2.19	0.0	-7.61e-05	-1.10	0.0	1.46e-03	0.0	0.0
		-0.43	0.0	-5.62e-05	0.0	158.0	-7.61e-05	1.10	0.0	1.46e-03	0.0	0.0
110	7	0.0	0.0	3.66e-04	1.69	0.0	-7.72e-05	-0.84	0.0	5.82e-04	0.0	0.0
		-0.33	0.0	-1.11e-05	0.0	158.0	-7.72e-05	0.84	0.0	5.82e-04	0.0	0.0
110	9	0.0	0.0	3.64e-04	1.69	0.0	-7.38e-05	-0.84	0.0	3.79e-04	0.0	0.0
		-0.33	0.0	-1.19e-05	0.0	158.0	-7.38e-05	0.84	0.0	3.79e-04	0.0	0.0
110	10	0.0	0.0	3.57e-04	1.69	0.0	-5.23e-05	-0.84	0.0	1.15e-03	0.0	0.0
		-0.33	0.0	-5.13e-05	0.0	158.0	-5.23e-05	0.84	0.0	1.15e-03	0.0	0.0
110	11	0.0	0.0	3.65e-04	1.69	0.0	-7.53e-05	-0.84	0.0	4.69e-04	0.0	0.0
		-0.33	0.0	-1.15e-05	0.0	158.0	-7.53e-05	0.84	0.0	4.69e-04	0.0	0.0
110	12	0.0	0.0	3.60e-04	1.69	0.0	-6.03e-05	-0.84	0.0	1.01e-03	0.0	0.0
		-0.33	0.0	-3.91e-05	0.0	158.0	-6.03e-05	0.84	0.0	1.01e-03	0.0	0.0
110	13	0.0	0.0	3.63e-04	1.69	0.0	-7.16e-05	-0.84	0.0	2.43e-04	0.0	0.0
		-0.33	0.0	-1.24e-05	0.0	158.0	-7.16e-05	0.84	0.0	2.43e-04	0.0	0.0
110	14	0.0	0.0	3.60e-04	1.69	0.0	-6.08e-05	-0.84	0.0	6.29e-04	0.0	0.0
		-0.33	0.0	-3.22e-05	0.0	158.0	-6.08e-05	0.84	0.0	6.29e-04	0.0	0.0

110	15	0.0	0.0	3.64e-04	1.69	0.0	-7.23e-05	-0.84	0.0	2.88e-04	0.0	0.0
		-0.33	0.0	-1.22e-05	0.0	158.0	-7.23e-05	0.84	0.0	2.88e-04	0.0	0.0
110	16	0.0	0.0	3.62e-04	1.69	0.0	-6.59e-05	-0.84	0.0	5.20e-04	0.0	0.0
		-0.33	0.0	-2.41e-05	0.0	158.0	-6.59e-05	0.84	0.0	5.20e-04	0.0	0.0
110	17	0.0	0.0	3.63e-04	1.69	0.0	-7.16e-05	-0.84	0.0	2.43e-04	0.0	0.0
		-0.33	0.0	-1.24e-05	0.0	158.0	-7.16e-05	0.84	0.0	2.43e-04	0.0	0.0
110	18	0.0	0.0	3.61e-04	1.69	0.0	-6.51e-05	-0.84	0.0	4.74e-04	0.0	0.0
		-0.33	0.0	-2.43e-05	0.0	158.0	-6.51e-05	0.84	0.0	4.74e-04	0.0	0.0
110	22	0.0	0.0	-4.38e-04	1.69	0.0	8.30e-04	-0.84	0.0	2.16e-03	0.0	0.0
		-0.33	0.0	4.58e-04	0.0	158.0	8.30e-04	0.84	0.0	2.16e-03	0.0	0.0
110	24	0.0	0.0	6.01e-04	1.69	0.0	-1.05e-03	-0.84	0.0	-1.80e-03	0.0	0.0
		-0.33	0.0	-4.84e-04	0.0	158.0	-1.05e-03	0.84	0.0	-1.80e-03	0.0	0.0
110	25	0.0	0.0	-4.37e-04	1.69	0.0	9.22e-04	-0.84	0.0	2.75e-03	0.0	0.0
		-0.33	0.0	4.35e-04	0.0	158.0	9.22e-04	0.84	0.0	2.75e-03	0.0	0.0
110	43	0.0	0.0	4.30e-04	1.69	0.0	-1.27e-04	-0.84	0.0	9.37e-04	0.0	0.0
		-0.33	0.0	-2.26e-04	0.0	158.0	-1.27e-04	0.84	0.0	9.37e-04	0.0	0.0
110	46	0.0	0.0	2.96e-04	1.69	0.0	-2.89e-06	-0.84	0.0	1.15e-05	0.0	0.0
		-0.33	0.0	1.77e-04	0.0	158.0	-2.89e-06	0.84	0.0	1.15e-05	0.0	0.0
110	54	0.0	0.0	-3.20e-04	1.69	0.0	5.94e-04	-0.84	0.0	1.69e-03	0.0	0.0
		-0.33	0.0	3.26e-04	0.0	158.0	5.94e-04	0.84	0.0	1.69e-03	0.0	0.0
110	56	0.0	0.0	5.29e-04	1.69	0.0	-8.06e-04	-0.84	0.0	-1.23e-03	0.0	0.0
		-0.33	0.0	-3.55e-04	0.0	158.0	-8.06e-04	0.84	0.0	-1.23e-03	0.0	0.0
110	57	0.0	0.0	-3.19e-04	1.69	0.0	6.76e-04	-0.84	0.0	2.18e-03	0.0	0.0
		-0.33	0.0	3.07e-04	0.0	158.0	6.76e-04	0.84	0.0	2.18e-03	0.0	0.0
110	75	0.0	0.0	4.10e-04	1.69	0.0	-7.77e-05	-0.84	0.0	9.39e-04	0.0	0.0
		-0.33	0.0	-1.79e-04	0.0	158.0	-7.77e-05	0.84	0.0	9.39e-04	0.0	0.0
110	78	0.0	0.0	3.12e-04	1.69	0.0	-5.26e-05	-0.84	0.0	1.01e-05	0.0	0.0
		-0.33	0.0	1.30e-04	0.0	158.0	-5.26e-05	0.84	0.0	1.01e-05	0.0	0.0
110	84	0.0	0.0	3.62e-04	1.69	0.0	-1.37e-04	-0.84	0.0	-1.68e-04	0.0	0.0
		-0.33	0.0	-1.29e-05	0.0	158.0	-1.37e-04	0.84	0.0	-1.68e-04	0.0	0.0
110	85	0.0	0.0	3.63e-04	1.69	0.0	1.08e-04	-0.84	0.0	1.28e-03	0.0	0.0
		-0.33	0.0	-6.99e-05	0.0	158.0	1.08e-04	0.84	0.0	1.28e-03	0.0	0.0
110	86	0.0	0.0	3.59e-04	1.69	0.0	-2.39e-04	-0.84	0.0	-3.30e-04	0.0	0.0
		-0.33	0.0	2.14e-05	0.0	158.0	-2.39e-04	0.84	0.0	-3.30e-04	0.0	0.0
110	90	0.0	0.0	-5.23e-04	1.69	0.0	1.02e-03	-0.84	0.0	2.49e-03	0.0	0.0
		-0.33	0.0	5.53e-04	0.0	158.0	1.02e-03	0.84	0.0	2.49e-03	0.0	0.0
110	92	0.0	0.0	6.54e-04	1.69	0.0	-1.25e-03	-0.84	0.0	-2.23e-03	0.0	0.0
		-0.33	0.0	-5.76e-04	0.0	158.0	-1.25e-03	0.84	0.0	-2.23e-03	0.0	0.0
110	93	0.0	0.0	-5.22e-04	1.69	0.0	1.12e-03	-0.84	0.0	3.18e-03	0.0	0.0
		-0.33	0.0	5.27e-04	0.0	158.0	1.12e-03	0.84	0.0	3.18e-03	0.0	0.0
110	111	0.0	0.0	4.45e-04	1.69	0.0	-1.57e-04	-0.84	0.0	9.77e-04	0.0	0.0
		-0.33	0.0	-2.62e-04	0.0	158.0	-1.57e-04	0.84	0.0	9.77e-04	0.0	0.0
110	114	0.0	0.0	2.84e-04	1.69	0.0	2.65e-05	-0.84	0.0	-2.84e-05	0.0	0.0
		-0.33	0.0	2.14e-04	0.0	158.0	2.65e-05	0.84	0.0	-2.84e-05	0.0	0.0
111	1	0.0	0.0	2.82e-03	3.43	0.0	0.34	-1.71	0.0	-1.12e-04	0.0	0.0
		-1.06	0.0	0.0	0.0	247.0	0.34	1.71	0.0	-1.12e-04	0.0	0.0
111	2	0.0	0.0	2.82e-03	3.43	0.0	0.54	-1.71	0.0	-4.50e-04	0.0	0.0
		-1.06	0.0	1.82e-05	0.0	247.0	0.54	1.71	0.0	-4.50e-04	0.0	0.0
111	5	0.0	0.0	2.80e-03	3.43	0.0	0.22	-1.71	0.0	-8.98e-05	0.0	0.0
		-1.06	0.0	1.83e-06	0.0	247.0	0.22	1.71	0.0	-8.98e-05	0.0	0.0
111	7	0.0	0.0	2.15e-03	2.64	0.0	0.10	-1.32	0.0	-5.61e-05	0.0	0.0
		-0.81	0.0	2.14e-06	0.0	247.0	0.10	1.32	0.0	-5.61e-05	0.0	0.0
111	9	0.0	0.0	2.17e-03	2.64	0.0	0.28	-1.32	0.0	-8.98e-05	0.0	0.0
		-0.81	0.0	0.0	0.0	247.0	0.28	1.32	0.0	-8.98e-05	0.0	0.0
111	10	0.0	0.0	2.17e-03	2.64	0.0	0.41	-1.32	0.0	-3.15e-04	0.0	0.0
		-0.81	0.0	1.20e-05	0.0	247.0	0.41	1.32	0.0	-3.15e-04	0.0	0.0
111	11	0.0	0.0	2.16e-03	2.64	0.0	0.20	-1.32	0.0	-7.49e-05	0.0	0.0
		-0.81	0.0	1.08e-06	0.0	247.0	0.20	1.32	0.0	-7.49e-05	0.0	0.0
111	13	0.0	0.0	2.18e-03	2.64	0.0	0.40	-1.32	0.0	-1.12e-04	0.0	0.0
		-0.81	0.0	-1.03e-06	0.0	247.0	0.40	1.32	0.0	-1.12e-04	0.0	0.0
111	14	0.0	0.0	2.18e-03	2.64	0.0	0.47	-1.32	0.0	-2.25e-04	0.0	0.0
		-0.81	0.0	4.85e-06	0.0	247.0	0.47	1.32	0.0	-2.25e-04	0.0	0.0
111	15	0.0	0.0	2.18e-03	2.64	0.0	0.36	-1.32	0.0	-1.05e-04	0.0	0.0
		-0.81	0.0	0.0	0.0	247.0	0.36	1.32	0.0	-1.05e-04	0.0	0.0
111	17	0.0	0.0	2.18e-03	2.64	0.0	0.40	-1.32	0.0	-1.12e-04	0.0	0.0
		-0.81	0.0	-1.03e-06	0.0	247.0	0.40	1.32	0.0	-1.12e-04	0.0	0.0
111	18	0.0	0.0	2.18e-03	2.64	0.0	0.44	-1.32	0.0	-1.80e-04	0.0	0.0
		-0.81	0.0	2.50e-06	0.0	247.0	0.44	1.32	0.0	-1.80e-04	0.0	0.0
111	20	0.0	0.0	2.37e-03	2.64	0.0	2.46	-1.32	0.0	-0.07	0.0	0.0
		-0.81	0.0	4.36e-03	0.0	247.0	2.46	1.32	0.0	-0.07	0.0	0.0
111	21	0.0	0.0	2.00e-03	2.64	0.0	-1.59	-1.32	0.0	0.07	0.0	0.0
		-0.81	0.0	-4.36e-03	0.0	247.0	-1.59	1.32	0.0	0.07	0.0	0.0
111	31	0.0	0.0	2.41e-03	2.64	0.0	2.71	-1.32	0.0	-0.05	0.0	0.0
		-0.81	0.0	2.94e-03	0.0	247.0	2.71	1.32	0.0	-0.05	0.0	0.0
111	34	0.0	0.0	1.96e-03	2.64	0.0	-1.83	-1.32	0.0	0.05	0.0	0.0

111	39	-0.81	0.0	-2.94e-03	0.0	247.0	-1.83	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	2.30e-03	2.64	0.0	1.24	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	9.70e-04	0.0	247.0	1.24	1.32	0.0	-0.02	0.0	0.0
111	42	0.0	0.0	2.07e-03	2.64	0.0	-0.37	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	-9.65e-04	0.0	247.0	-0.37	1.32	0.0	0.02	0.0	0.0
111	52	0.0	0.0	2.32e-03	2.64	0.0	1.91	-1.32	0.0	-0.05	0.0	0.0
		-0.81	0.0	3.16e-03	0.0	247.0	1.91	1.32	0.0	-0.05	0.0	0.0
111	53	0.0	0.0	2.05e-03	2.64	0.0	-1.03	-1.32	0.0	0.05	0.0	0.0
		-0.81	0.0	-3.16e-03	0.0	247.0	-1.03	1.32	0.0	0.05	0.0	0.0
111	63	0.0	0.0	2.35e-03	2.64	0.0	2.09	-1.32	0.0	-0.04	0.0	0.0
		-0.81	0.0	2.14e-03	0.0	247.0	2.09	1.32	0.0	-0.04	0.0	0.0
111	66	0.0	0.0	2.02e-03	2.64	0.0	-1.22	-1.32	0.0	0.04	0.0	0.0
		-0.81	0.0	-2.13e-03	0.0	247.0	-1.22	1.32	0.0	0.04	0.0	0.0
111	71	0.0	0.0	2.28e-03	2.64	0.0	1.03	-1.32	0.0	-0.01	0.0	0.0
		-0.81	0.0	7.17e-04	0.0	247.0	1.03	1.32	0.0	-0.01	0.0	0.0
111	74	0.0	0.0	2.09e-03	2.64	0.0	-0.15	-1.32	0.0	0.01	0.0	0.0
		-0.81	0.0	-7.12e-04	0.0	247.0	-0.15	1.32	0.0	0.01	0.0	0.0
111	83	0.0	0.0	2.23e-03	2.64	0.0	0.53	-1.32	0.0	-5.85e-04	0.0	0.0
		-0.81	0.0	6.05e-05	0.0	247.0	0.53	1.32	0.0	-5.85e-04	0.0	0.0
111	84	0.0	0.0	2.14e-03	2.64	0.0	0.34	-1.32	0.0	2.25e-04	0.0	0.0
		-0.81	0.0	-5.55e-05	0.0	247.0	0.34	1.32	0.0	2.25e-04	0.0	0.0
111	85	0.0	0.0	2.22e-03	2.64	0.0	0.55	-1.32	0.0	7.48e-04	0.0	0.0
		-0.81	0.0	-9.57e-05	0.0	247.0	0.55	1.32	0.0	7.48e-04	0.0	0.0
111	86	0.0	0.0	2.14e-03	2.64	0.0	0.32	-1.32	0.0	-1.11e-03	0.0	0.0
		-0.81	0.0	1.01e-04	0.0	247.0	0.32	1.32	0.0	-1.11e-03	0.0	0.0
111	88	0.0	0.0	2.41e-03	2.64	0.0	2.87	-1.32	0.0	-0.08	0.0	0.0
		-0.81	0.0	5.23e-03	0.0	247.0	2.87	1.32	0.0	-0.08	0.0	0.0
111	89	0.0	0.0	1.96e-03	2.64	0.0	-1.99	-1.32	0.0	0.08	0.0	0.0
		-0.81	0.0	-5.22e-03	0.0	247.0	-1.99	1.32	0.0	0.08	0.0	0.0
111	99	0.0	0.0	2.45e-03	2.64	0.0	3.15	-1.32	0.0	-0.06	0.0	0.0
		-0.81	0.0	3.52e-03	0.0	247.0	3.15	1.32	0.0	-0.06	0.0	0.0
111	102	0.0	0.0	1.92e-03	2.64	0.0	-2.27	-1.32	0.0	0.06	0.0	0.0
		-0.81	0.0	-3.51e-03	0.0	247.0	-2.27	1.32	0.0	0.06	0.0	0.0
111	107	0.0	0.0	2.32e-03	2.64	0.0	1.39	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	1.15e-03	0.0	247.0	1.39	1.32	0.0	-0.02	0.0	0.0
111	110	0.0	0.0	2.05e-03	2.64	0.0	-0.52	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	-1.15e-03	0.0	247.0	-0.52	1.32	0.0	0.02	0.0	0.0
112	1	0.43	0.0	-4.76e-04	-2.19	0.0	0.90	1.10	0.0	8.20e-05	0.0	0.0
		0.0	0.0	1.75e-05	0.0	158.0	0.90	-1.10	0.0	8.20e-05	0.0	0.0
112	2	0.43	0.0	-4.70e-04	-2.19	0.0	1.21	1.10	0.0	6.93e-04	0.0	0.0
		0.0	0.0	8.10e-05	0.0	158.0	1.21	-1.10	0.0	6.93e-04	0.0	0.0
112	6	0.43	0.0	-4.73e-04	-2.19	0.0	0.98	1.10	0.0	4.42e-04	0.0	0.0
		0.0	0.0	6.21e-05	0.0	158.0	0.98	-1.10	0.0	4.42e-04	0.0	0.0
112	7	0.33	0.0	-3.67e-04	-1.69	0.0	0.50	0.84	0.0	-2.76e-05	0.0	0.0
		0.0	0.0	1.37e-05	0.0	158.0	0.50	-0.84	0.0	-2.76e-05	0.0	0.0
112	9	0.33	0.0	-3.66e-04	-1.69	0.0	0.72	0.84	0.0	7.35e-05	0.0	0.0
		0.0	0.0	1.34e-05	0.0	158.0	0.72	-0.84	0.0	7.35e-05	0.0	0.0
112	10	0.33	0.0	-3.62e-04	-1.69	0.0	0.92	0.84	0.0	4.81e-04	0.0	0.0
		0.0	0.0	5.57e-05	0.0	158.0	0.92	-0.84	0.0	4.81e-04	0.0	0.0
112	11	0.33	0.0	-3.66e-04	-1.69	0.0	0.62	0.84	0.0	2.85e-05	0.0	0.0
		0.0	0.0	1.35e-05	0.0	158.0	0.62	-0.84	0.0	2.85e-05	0.0	0.0
112	12	0.33	0.0	-3.64e-04	-1.69	0.0	0.77	0.84	0.0	3.14e-04	0.0	0.0
		0.0	0.0	4.32e-05	0.0	158.0	0.77	-0.84	0.0	3.14e-04	0.0	0.0
112	13	0.33	0.0	-3.64e-04	-1.69	0.0	0.86	0.84	0.0	1.41e-04	0.0	0.0
		0.0	0.0	1.32e-05	0.0	158.0	0.86	-0.84	0.0	1.41e-04	0.0	0.0
112	14	0.33	0.0	-3.63e-04	-1.69	0.0	0.96	0.84	0.0	3.45e-04	0.0	0.0
		0.0	0.0	3.44e-05	0.0	158.0	0.96	-0.84	0.0	3.45e-04	0.0	0.0
112	15	0.33	0.0	-3.65e-04	-1.69	0.0	0.81	0.84	0.0	1.18e-04	0.0	0.0
		0.0	0.0	1.33e-05	0.0	158.0	0.81	-0.84	0.0	1.18e-04	0.0	0.0
112	16	0.33	0.0	-3.64e-04	-1.69	0.0	0.87	0.84	0.0	2.41e-04	0.0	0.0
		0.0	0.0	2.60e-05	0.0	158.0	0.87	-0.84	0.0	2.41e-04	0.0	0.0
112	17	0.33	0.0	-3.64e-04	-1.69	0.0	0.86	0.84	0.0	1.41e-04	0.0	0.0
		0.0	0.0	1.32e-05	0.0	158.0	0.86	-0.84	0.0	1.41e-04	0.0	0.0
112	18	0.33	0.0	-3.63e-04	-1.69	0.0	0.92	0.84	0.0	2.63e-04	0.0	0.0
		0.0	0.0	2.59e-05	0.0	158.0	0.92	-0.84	0.0	2.63e-04	0.0	0.0
112	27	0.33	0.0	-1.32e-03	-1.69	0.0	9.91	0.84	0.0	1.69e-03	0.0	0.0
		0.0	0.0	5.07e-04	0.0	158.0	9.91	-0.84	0.0	1.69e-03	0.0	0.0
112	30	0.33	0.0	1.32e-03	-1.69	0.0	-8.07	0.84	0.0	-1.16e-03	0.0	0.0
		0.0	0.0	-4.55e-04	0.0	158.0	-8.07	-0.84	0.0	-1.16e-03	0.0	0.0
112	31	0.33	0.0	-1.32e-03	-1.69	0.0	9.92	0.84	0.0	1.75e-03	0.0	0.0
		0.0	0.0	5.19e-04	0.0	158.0	9.92	-0.84	0.0	1.75e-03	0.0	0.0
112	34	0.33	0.0	1.32e-03	-1.69	0.0	-8.07	0.84	0.0	-1.22e-03	0.0	0.0
		0.0	0.0	-4.67e-04	0.0	158.0	-8.07	-0.84	0.0	-1.22e-03	0.0	0.0
112	59	0.33	0.0	-9.82e-04	-1.69	0.0	7.50	0.84	0.0	1.34e-03	0.0	0.0
		0.0	0.0	3.76e-04	0.0	158.0	7.50	-0.84	0.0	1.34e-03	0.0	0.0

112	61	0.33	0.0	9.66e-04	-1.69	0.0	-5.33	0.84	0.0	-4.19e-04	0.0	0.0
		0.0	0.0	-3.16e-04	0.0	158.0	-5.33	-0.84	0.0	-4.19e-04	0.0	0.0
112	62	0.33	0.0	9.65e-04	-1.69	0.0	-5.65	0.84	0.0	-8.13e-04	0.0	0.0
		0.0	0.0	-3.25e-04	0.0	158.0	-5.65	-0.84	0.0	-8.13e-04	0.0	0.0
112	83	0.33	0.0	-3.62e-04	-1.69	0.0	1.40	0.84	0.0	8.49e-04	0.0	0.0
		0.0	0.0	3.81e-05	0.0	158.0	1.40	-0.84	0.0	8.49e-04	0.0	0.0
112	84	0.33	0.0	-3.64e-04	-1.69	0.0	0.44	0.84	0.0	-3.23e-04	0.0	0.0
		0.0	0.0	1.38e-05	0.0	158.0	0.44	-0.84	0.0	-3.23e-04	0.0	0.0
112	95	0.33	0.0	-1.57e-03	-1.69	0.0	11.65	0.84	0.0	1.95e-03	0.0	0.0
		0.0	0.0	6.00e-04	0.0	158.0	11.65	-0.84	0.0	1.95e-03	0.0	0.0
112	98	0.33	0.0	1.58e-03	-1.69	0.0	-9.81	0.84	0.0	-1.42e-03	0.0	0.0
		0.0	0.0	-5.48e-04	0.0	158.0	-9.81	-0.84	0.0	-1.42e-03	0.0	0.0
112	99	0.33	0.0	-1.57e-03	-1.69	0.0	11.65	0.84	0.0	2.01e-03	0.0	0.0
		0.0	0.0	6.14e-04	0.0	158.0	11.65	-0.84	0.0	2.01e-03	0.0	0.0
112	102	0.33	0.0	1.58e-03	-1.69	0.0	-9.81	0.84	0.0	-1.49e-03	0.0	0.0
		0.0	0.0	-5.62e-04	0.0	158.0	-9.81	-0.84	0.0	-1.49e-03	0.0	0.0
113	1	1.06	0.0	-2.82e-03	-3.43	0.0	1.50	1.71	0.0	-3.77e-05	0.0	0.0
		0.0	0.0	-9.94e-06	0.0	247.0	1.50	-1.71	0.0	-3.77e-05	0.0	0.0
113	2	1.06	0.0	-2.82e-03	-3.43	0.0	2.25	1.71	0.0	-2.28e-04	0.0	0.0
		0.0	0.0	-2.26e-05	0.0	247.0	2.25	-1.71	0.0	-2.28e-04	0.0	0.0
113	5	1.06	0.0	-2.81e-03	-3.43	0.0	1.48	1.71	0.0	-5.73e-05	0.0	0.0
		0.0	0.0	-8.06e-06	0.0	247.0	1.48	-1.71	0.0	-5.73e-05	0.0	0.0
113	6	1.06	0.0	-2.81e-03	-3.43	0.0	2.01	1.71	0.0	-1.91e-04	0.0	0.0
		0.0	0.0	-1.69e-05	0.0	247.0	2.01	-1.71	0.0	-1.91e-04	0.0	0.0
113	7	0.81	0.0	-2.16e-03	-2.64	0.0	1.13	1.32	0.0	-5.54e-05	0.0	0.0
		0.0	0.0	-5.12e-06	0.0	247.0	1.13	-1.32	0.0	-5.54e-05	0.0	0.0
113	9	0.81	0.0	-2.17e-03	-2.64	0.0	1.16	1.32	0.0	-2.60e-05	0.0	0.0
		0.0	0.0	-7.94e-06	0.0	247.0	1.16	-1.32	0.0	-2.60e-05	0.0	0.0
113	10	0.81	0.0	-2.17e-03	-2.64	0.0	1.66	1.32	0.0	-1.53e-04	0.0	0.0
		0.0	0.0	-1.64e-05	0.0	247.0	1.66	-1.32	0.0	-1.53e-04	0.0	0.0
113	11	0.81	0.0	-2.17e-03	-2.64	0.0	1.15	1.32	0.0	-3.91e-05	0.0	0.0
		0.0	0.0	-6.69e-06	0.0	247.0	1.15	-1.32	0.0	-3.91e-05	0.0	0.0
113	12	0.81	0.0	-2.17e-03	-2.64	0.0	1.50	1.32	0.0	-1.28e-04	0.0	0.0
		0.0	0.0	-1.26e-05	0.0	247.0	1.50	-1.32	0.0	-1.28e-04	0.0	0.0
113	13	0.81	0.0	-2.18e-03	-2.64	0.0	1.17	1.32	0.0	-6.32e-06	0.0	0.0
		0.0	0.0	-9.82e-06	0.0	247.0	1.17	-1.32	0.0	-6.32e-06	0.0	0.0
113	14	0.81	0.0	-2.18e-03	-2.64	0.0	1.42	1.32	0.0	-6.99e-05	0.0	0.0
		0.0	0.0	-1.40e-05	0.0	247.0	1.42	-1.32	0.0	-6.99e-05	0.0	0.0
113	15	0.81	0.0	-2.18e-03	-2.64	0.0	1.17	1.32	0.0	-1.29e-05	0.0	0.0
		0.0	0.0	-9.19e-06	0.0	247.0	1.17	-1.32	0.0	-1.29e-05	0.0	0.0
113	16	0.81	0.0	-2.18e-03	-2.64	0.0	1.32	1.32	0.0	-5.10e-05	0.0	0.0
		0.0	0.0	-1.17e-05	0.0	247.0	1.32	-1.32	0.0	-5.10e-05	0.0	0.0
113	17	0.81	0.0	-2.18e-03	-2.64	0.0	1.17	1.32	0.0	-6.32e-06	0.0	0.0
		0.0	0.0	-9.82e-06	0.0	247.0	1.17	-1.32	0.0	-6.32e-06	0.0	0.0
113	18	0.81	0.0	-2.18e-03	-2.64	0.0	1.32	1.32	0.0	-4.45e-05	0.0	0.0
		0.0	0.0	-1.24e-05	0.0	247.0	1.32	-1.32	0.0	-4.45e-05	0.0	0.0
113	22	0.81	0.0	-2.31e-03	-2.64	0.0	10.43	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	1.80e-03	0.0	247.0	10.43	-1.32	0.0	0.05	0.0	0.0
113	32	0.81	0.0	-2.03e-03	-2.64	0.0	-8.54	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	-1.15e-03	0.0	247.0	-8.54	-1.32	0.0	-0.04	0.0	0.0
113	33	0.81	0.0	-2.33e-03	-2.64	0.0	11.19	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	1.13e-03	0.0	247.0	11.19	-1.32	0.0	0.04	0.0	0.0
113	35	0.81	0.0	-2.18e-03	-2.64	0.0	-1.37	1.32	0.0	-0.02	0.0	0.0
		0.0	0.0	-5.99e-04	0.0	247.0	-1.37	-1.32	0.0	-0.02	0.0	0.0
113	51	0.81	0.0	-2.10e-03	-2.64	0.0	-5.29	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	-1.33e-03	0.0	247.0	-5.29	-1.32	0.0	-0.04	0.0	0.0
113	64	0.81	0.0	-2.07e-03	-2.64	0.0	-5.86	1.32	0.0	-0.03	0.0	0.0
		0.0	0.0	-8.43e-04	0.0	247.0	-5.86	-1.32	0.0	-0.03	0.0	0.0
113	65	0.81	0.0	-2.29e-03	-2.64	0.0	8.50	1.32	0.0	0.03	0.0	0.0
		0.0	0.0	8.18e-04	0.0	247.0	8.50	-1.32	0.0	0.03	0.0	0.0
113	67	0.81	0.0	-2.19e-03	-2.64	0.0	-0.62	1.32	0.0	-0.01	0.0	0.0
		0.0	0.0	-4.45e-04	0.0	247.0	-0.62	-1.32	0.0	-0.01	0.0	0.0
113	83	0.81	0.0	-2.21e-03	-2.64	0.0	1.36	1.32	0.0	-5.90e-04	0.0	0.0
		0.0	0.0	-4.85e-05	0.0	247.0	1.36	-1.32	0.0	-5.90e-04	0.0	0.0
113	85	0.81	0.0	-2.21e-03	-2.64	0.0	1.40	1.32	0.0	1.20e-03	0.0	0.0
		0.0	0.0	3.94e-05	0.0	247.0	1.40	-1.32	0.0	1.20e-03	0.0	0.0
113	86	0.81	0.0	-2.15e-03	-2.64	0.0	1.24	1.32	0.0	-1.29e-03	0.0	0.0
		0.0	0.0	-6.41e-05	0.0	247.0	1.24	-1.32	0.0	-1.29e-03	0.0	0.0
113	89	0.81	0.0	-2.36e-03	-2.64	0.0	12.27	1.32	0.0	0.06	0.0	0.0
		0.0	0.0	2.13e-03	0.0	247.0	12.27	-1.32	0.0	0.06	0.0	0.0
113	100	0.81	0.0	-2.00e-03	-2.64	0.0	-10.46	1.32	0.0	-0.05	0.0	0.0
		0.0	0.0	-1.37e-03	0.0	247.0	-10.46	-1.32	0.0	-0.05	0.0	0.0
113	101	0.81	0.0	-2.36e-03	-2.64	0.0	13.10	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	1.34e-03	0.0	247.0	13.10	-1.32	0.0	0.05	0.0	0.0
113	103	0.81	0.0	-2.18e-03	-2.64	0.0	-1.90	1.32	0.0	-0.02	0.0	0.0

115	1	0.0	0.0	-7.12e-04	0.0	247.0	-1.90	-1.32	0.0	-0.02	0.0	0.0
		0.0	0.0	2.82e-03	3.43	0.0	1.47	-1.71	0.0	-7.24e-05	0.0	0.0
		-1.06	0.0	-5.39e-06	0.0	247.0	1.47	1.71	0.0	-7.24e-05	0.0	0.0
115	2	0.0	0.0	2.82e-03	3.43	0.0	1.93	-1.71	0.0	-3.12e-04	0.0	0.0
		-1.06	0.0	-1.30e-06	0.0	247.0	1.93	1.71	0.0	-3.12e-04	0.0	0.0
115	3	0.0	0.0	2.17e-03	2.64	0.0	1.14	-1.32	0.0	-5.40e-05	0.0	0.0
		-0.81	0.0	-3.35e-06	0.0	247.0	1.14	1.32	0.0	-5.40e-05	0.0	0.0
115	6	0.0	0.0	2.81e-03	3.43	0.0	1.82	-1.71	0.0	-2.36e-04	0.0	0.0
		-1.06	0.0	0.0	0.0	247.0	1.82	1.71	0.0	-2.36e-04	0.0	0.0
115	7	0.0	0.0	2.16e-03	2.64	0.0	1.16	-1.32	0.0	-4.91e-05	0.0	0.0
		-0.81	0.0	-1.05e-06	0.0	247.0	1.16	1.32	0.0	-4.91e-05	0.0	0.0
115	9	0.0	0.0	2.17e-03	2.64	0.0	1.13	-1.32	0.0	-5.64e-05	0.0	0.0
		-0.81	0.0	-4.50e-06	0.0	247.0	1.13	1.32	0.0	-5.64e-05	0.0	0.0
115	10	0.0	0.0	2.17e-03	2.64	0.0	1.44	-1.32	0.0	-2.16e-04	0.0	0.0
		-0.81	0.0	-1.78e-06	0.0	247.0	1.44	1.32	0.0	-2.16e-04	0.0	0.0
115	11	0.0	0.0	2.17e-03	2.64	0.0	1.14	-1.32	0.0	-5.32e-05	0.0	0.0
		-0.81	0.0	-2.97e-06	0.0	247.0	1.14	1.32	0.0	-5.32e-05	0.0	0.0
115	12	0.0	0.0	2.17e-03	2.64	0.0	1.36	-1.32	0.0	-1.65e-04	0.0	0.0
		-0.81	0.0	-1.06e-06	0.0	247.0	1.36	1.32	0.0	-1.65e-04	0.0	0.0
115	13	0.0	0.0	2.18e-03	2.64	0.0	1.11	-1.32	0.0	-6.13e-05	0.0	0.0
		-0.81	0.0	-6.80e-06	0.0	247.0	1.11	1.32	0.0	-6.13e-05	0.0	0.0
115	14	0.0	0.0	2.18e-03	2.64	0.0	1.26	-1.32	0.0	-1.41e-04	0.0	0.0
		-0.81	0.0	-5.44e-06	0.0	247.0	1.26	1.32	0.0	-1.41e-04	0.0	0.0
115	16	0.0	0.0	2.18e-03	2.64	0.0	1.21	-1.32	0.0	-1.08e-04	0.0	0.0
		-0.81	0.0	-5.21e-06	0.0	247.0	1.21	1.32	0.0	-1.08e-04	0.0	0.0
115	17	0.0	0.0	2.18e-03	2.64	0.0	1.11	-1.32	0.0	-6.13e-05	0.0	0.0
		-0.81	0.0	-6.80e-06	0.0	247.0	1.11	1.32	0.0	-6.13e-05	0.0	0.0
115	18	0.0	0.0	2.18e-03	2.64	0.0	1.20	-1.32	0.0	-1.09e-04	0.0	0.0
		-0.81	0.0	-5.98e-06	0.0	247.0	1.20	1.32	0.0	-1.09e-04	0.0	0.0
115	28	0.0	0.0	2.31e-03	2.64	0.0	10.89	-1.32	0.0	-0.03	0.0	0.0
		-0.81	0.0	1.02e-03	0.0	247.0	10.89	1.32	0.0	-0.03	0.0	0.0
115	29	0.0	0.0	2.05e-03	2.64	0.0	-8.49	-1.32	0.0	0.03	0.0	0.0
		-0.81	0.0	-1.04e-03	0.0	247.0	-8.49	1.32	0.0	0.03	0.0	0.0
115	31	0.0	0.0	2.33e-03	2.64	0.0	10.95	-1.32	0.0	-0.03	0.0	0.0
		-0.81	0.0	1.00e-03	0.0	247.0	10.95	1.32	0.0	-0.03	0.0	0.0
115	34	0.0	0.0	2.03e-03	2.64	0.0	-8.55	-1.32	0.0	0.03	0.0	0.0
		-0.81	0.0	-1.01e-03	0.0	247.0	-8.55	1.32	0.0	0.03	0.0	0.0
115	59	0.0	0.0	2.30e-03	2.64	0.0	8.29	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	7.55e-04	0.0	247.0	8.29	1.32	0.0	-0.02	0.0	0.0
115	60	0.0	0.0	2.28e-03	2.64	0.0	8.25	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	7.42e-04	0.0	247.0	8.25	1.32	0.0	-0.02	0.0	0.0
115	61	0.0	0.0	2.09e-03	2.64	0.0	-5.85	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	-7.54e-04	0.0	247.0	-5.85	1.32	0.0	0.02	0.0	0.0
115	63	0.0	0.0	2.30e-03	2.64	0.0	8.30	-1.32	0.0	-0.02	0.0	0.0
		-0.81	0.0	7.23e-04	0.0	247.0	8.30	1.32	0.0	-0.02	0.0	0.0
115	66	0.0	0.0	2.07e-03	2.64	0.0	-5.90	-1.32	0.0	0.02	0.0	0.0
		-0.81	0.0	-7.35e-04	0.0	247.0	-5.90	1.32	0.0	0.02	0.0	0.0
115	83	0.0	0.0	2.21e-03	2.64	0.0	1.26	-1.32	0.0	-6.39e-04	0.0	0.0
		-0.81	0.0	1.37e-05	0.0	247.0	1.26	1.32	0.0	-6.39e-04	0.0	0.0
115	84	0.0	0.0	2.15e-03	2.64	0.0	1.14	-1.32	0.0	4.20e-04	0.0	0.0
		-0.81	0.0	-2.56e-05	0.0	247.0	1.14	1.32	0.0	4.20e-04	0.0	0.0
115	85	0.0	0.0	2.21e-03	2.64	0.0	1.29	-1.32	0.0	1.08e-03	0.0	0.0
		-0.81	0.0	-8.38e-05	0.0	247.0	1.29	1.32	0.0	1.08e-03	0.0	0.0
115	86	0.0	0.0	2.16e-03	2.64	0.0	1.11	-1.32	0.0	-1.30e-03	0.0	0.0
		-0.81	0.0	7.19e-05	0.0	247.0	1.11	1.32	0.0	-1.30e-03	0.0	0.0
115	96	0.0	0.0	2.34e-03	2.64	0.0	12.77	-1.32	0.0	-0.04	0.0	0.0
		-0.81	0.0	1.22e-03	0.0	247.0	12.77	1.32	0.0	-0.04	0.0	0.0
115	97	0.0	0.0	2.03e-03	2.64	0.0	-10.37	-1.32	0.0	0.04	0.0	0.0
		-0.81	0.0	-1.24e-03	0.0	247.0	-10.37	1.32	0.0	0.04	0.0	0.0
115	99	0.0	0.0	2.36e-03	2.64	0.0	12.84	-1.32	0.0	-0.04	0.0	0.0
		-0.81	0.0	1.20e-03	0.0	247.0	12.84	1.32	0.0	-0.04	0.0	0.0
115	102	0.0	0.0	2.00e-03	2.64	0.0	-10.45	-1.32	0.0	0.04	0.0	0.0
		-0.81	0.0	-1.21e-03	0.0	247.0	-10.45	1.32	0.0	0.04	0.0	0.0
141	2	0.49	0.0	4.09e-05	-1.77	0.0	-0.03	0.88	0.0	-2.77e-03	0.0	0.0
		0.0	0.0	-1.53e-04	0.0	223.0	-0.03	-0.88	0.0	-2.77e-03	0.0	0.0
141	3	0.38	0.0	5.07e-05	-1.36	0.0	-4.21e-03	0.68	0.0	-7.11e-04	0.0	0.0
		0.0	0.0	-1.26e-04	0.0	223.0	-4.21e-03	-0.68	0.0	-7.11e-04	0.0	0.0
141	5	0.49	0.0	6.43e-05	-1.77	0.0	-5.63e-03	0.88	0.0	-9.80e-04	0.0	0.0
		0.0	0.0	-2.17e-04	0.0	223.0	-5.63e-03	-0.88	0.0	-9.80e-04	0.0	0.0
141	9	0.38	0.0	5.22e-05	-1.36	0.0	-4.06e-03	0.68	0.0	-6.61e-04	0.0	0.0
		0.0	0.0	-7.84e-05	0.0	223.0	-4.06e-03	-0.68	0.0	-6.61e-04	0.0	0.0
141	10	0.38	0.0	3.46e-05	-1.36	0.0	-0.02	0.68	0.0	-1.92e-03	0.0	0.0
		0.0	0.0	-9.99e-05	0.0	223.0	-0.02	-0.68	0.0	-1.92e-03	0.0	0.0
141	11	0.38	0.0	5.02e-05	-1.36	0.0	-4.26e-03	0.68	0.0	-7.28e-04	0.0	0.0
		0.0	0.0	-1.42e-04	0.0	223.0	-4.26e-03	-0.68	0.0	-7.28e-04	0.0	0.0

141	13	0.38	0.0	5.52e-05	-1.36	0.0	-3.77e-03	0.68	0.0	-5.60e-04	0.0	0.0
		0.0	0.0	1.71e-05	0.0	223.0	-3.77e-03	-0.68	0.0	-5.60e-04	0.0	0.0
141	14	0.38	0.0	4.64e-05	-1.36	0.0	-0.01	0.68	0.0	-1.19e-03	0.0	0.0
		0.0	0.0	6.35e-06	0.0	223.0	-0.01	-0.68	0.0	-1.19e-03	0.0	0.0
141	15	0.38	0.0	5.42e-05	-1.36	0.0	-3.87e-03	0.68	0.0	-5.94e-04	0.0	0.0
		0.0	0.0	-1.47e-05	0.0	223.0	-3.87e-03	-0.68	0.0	-5.94e-04	0.0	0.0
141	17	0.38	0.0	5.52e-05	-1.36	0.0	-3.77e-03	0.68	0.0	-5.60e-04	0.0	0.0
		0.0	0.0	1.71e-05	0.0	223.0	-3.77e-03	-0.68	0.0	-5.60e-04	0.0	0.0
141	18	0.38	0.0	4.99e-05	-1.36	0.0	-8.55e-03	0.68	0.0	-9.38e-04	0.0	0.0
		0.0	0.0	1.07e-05	0.0	223.0	-8.55e-03	-0.68	0.0	-9.38e-04	0.0	0.0
141	23	0.38	0.0	5.99e-04	-1.36	0.0	-1.18	0.68	0.0	4.13e-04	0.0	0.0
		0.0	0.0	-3.23e-04	0.0	223.0	-1.18	-0.68	0.0	4.13e-04	0.0	0.0
141	32	0.38	0.0	5.80e-04	-1.36	0.0	-1.65	0.68	0.0	5.34e-04	0.0	0.0
		0.0	0.0	-3.62e-04	0.0	223.0	-1.65	-0.68	0.0	5.34e-04	0.0	0.0
141	33	0.38	0.0	-4.81e-04	-1.36	0.0	1.64	0.68	0.0	-2.41e-03	0.0	0.0
		0.0	0.0	3.83e-04	0.0	223.0	1.64	-0.68	0.0	-2.41e-03	0.0	0.0
141	48	0.38	0.0	2.08e-04	-1.36	0.0	-0.70	0.68	0.0	-1.34e-03	0.0	0.0
		0.0	0.0	-4.47e-04	0.0	223.0	-0.70	-0.68	0.0	-1.34e-03	0.0	0.0
141	49	0.38	0.0	-1.08e-04	-1.36	0.0	0.68	0.68	0.0	-5.39e-04	0.0	0.0
		0.0	0.0	4.68e-04	0.0	223.0	0.68	-0.68	0.0	-5.39e-04	0.0	0.0
141	50	0.38	0.0	-1.11e-04	-1.36	0.0	0.25	0.68	0.0	-2.39e-03	0.0	0.0
		0.0	0.0	-2.92e-04	0.0	223.0	0.25	-0.68	0.0	-2.39e-03	0.0	0.0
141	55	0.38	0.0	4.49e-04	-1.36	0.0	-0.85	0.68	0.0	8.84e-05	0.0	0.0
		0.0	0.0	-2.14e-04	0.0	223.0	-0.85	-0.68	0.0	8.84e-05	0.0	0.0
141	64	0.38	0.0	4.36e-04	-1.36	0.0	-1.22	0.68	0.0	9.37e-05	0.0	0.0
		0.0	0.0	-2.76e-04	0.0	223.0	-1.22	-0.68	0.0	9.37e-05	0.0	0.0
141	65	0.38	0.0	-3.36e-04	-1.36	0.0	1.20	0.68	0.0	-1.97e-03	0.0	0.0
		0.0	0.0	2.97e-04	0.0	223.0	1.20	-0.68	0.0	-1.97e-03	0.0	0.0
141	80	0.38	0.0	1.64e-04	-1.36	0.0	-0.55	0.68	0.0	-1.36e-03	0.0	0.0
		0.0	0.0	-3.77e-04	0.0	223.0	-0.55	-0.68	0.0	-1.36e-03	0.0	0.0
141	81	0.38	0.0	-6.43e-05	-1.36	0.0	0.53	0.68	0.0	-5.13e-04	0.0	0.0
		0.0	0.0	3.99e-04	0.0	223.0	0.53	-0.68	0.0	-5.13e-04	0.0	0.0
141	82	0.38	0.0	-6.78e-05	-1.36	0.0	0.14	0.68	0.0	-2.13e-03	0.0	0.0
		0.0	0.0	-2.65e-04	0.0	223.0	0.14	-0.68	0.0	-2.13e-03	0.0	0.0
141	85	0.38	0.0	5.15e-05	-1.36	0.0	0.17	0.68	0.0	-2.11e-04	0.0	0.0
		0.0	0.0	3.09e-04	0.0	223.0	0.17	-0.68	0.0	-2.11e-04	0.0	0.0
141	86	0.38	0.0	4.83e-05	-1.36	0.0	-0.18	0.68	0.0	-1.66e-03	0.0	0.0
		0.0	0.0	-2.88e-04	0.0	223.0	-0.18	-0.68	0.0	-1.66e-03	0.0	0.0
141	91	0.38	0.0	7.08e-04	-1.36	0.0	-1.41	0.68	0.0	6.64e-04	0.0	0.0
		0.0	0.0	-3.96e-04	0.0	223.0	-1.41	-0.68	0.0	6.64e-04	0.0	0.0
141	100	0.38	0.0	6.83e-04	-1.36	0.0	-1.97	0.68	0.0	8.35e-04	0.0	0.0
		0.0	0.0	-4.28e-04	0.0	223.0	-1.97	-0.68	0.0	8.35e-04	0.0	0.0
141	101	0.38	0.0	-5.84e-04	-1.36	0.0	1.95	0.68	0.0	-2.71e-03	0.0	0.0
		0.0	0.0	4.49e-04	0.0	223.0	1.95	-0.68	0.0	-2.71e-03	0.0	0.0
141	116	0.38	0.0	2.39e-04	-1.36	0.0	-0.82	0.68	0.0	-1.36e-03	0.0	0.0
		0.0	0.0	-5.14e-04	0.0	223.0	-0.82	-0.68	0.0	-1.36e-03	0.0	0.0
141	117	0.38	0.0	-1.39e-04	-1.36	0.0	0.80	0.68	0.0	-5.11e-04	0.0	0.0
		0.0	0.0	5.36e-04	0.0	223.0	0.80	-0.68	0.0	-5.11e-04	0.0	0.0
141	118	0.38	0.0	-1.41e-04	-1.36	0.0	0.31	0.68	0.0	-2.62e-03	0.0	0.0
		0.0	0.0	-3.29e-04	0.0	223.0	0.31	-0.68	0.0	-2.62e-03	0.0	0.0
154	2	3.65	3.19	-1.30e-04	-8.21	0.0	-0.07	3.84	0.71	0.06	1.74	1.83
		1.30	1.74	3.68e-03	0.0	203.0	-0.07	-4.36	0.71	0.06	3.19	1.30
154	3	2.08	0.56	-7.05e-05	-6.31	0.0	-0.03	3.13	0.06	5.07e-03	0.43	0.51
		0.45	0.43	3.51e-04	0.0	203.0	-0.03	-3.18	0.06	5.07e-03	0.56	0.45
154	7	2.06	0.60	-6.59e-05	-6.31	0.0	-0.03	3.14	0.02	1.71e-03	0.55	0.47
		0.44	0.55	1.65e-04	0.0	203.0	-0.03	-3.17	0.02	1.71e-03	0.60	0.44
154	9	2.09	0.55	-7.28e-05	-6.31	0.0	-0.03	3.12	0.08	6.75e-03	0.37	0.52
		0.46	0.37	4.44e-04	0.0	203.0	-0.03	-3.19	0.08	6.75e-03	0.55	0.46
154	10	2.71	2.19	-9.69e-05	-6.31	0.0	-0.05	2.98	0.49	0.04	1.19	1.29
		0.93	1.19	2.53e-03	0.0	203.0	-0.05	-3.33	0.49	0.04	2.19	0.93
154	11	2.08	0.57	-6.97e-05	-6.31	0.0	-0.03	3.13	0.06	4.51e-03	0.45	0.50
		0.45	0.45	3.20e-04	0.0	203.0	-0.03	-3.18	0.06	4.51e-03	0.57	0.45
154	13	2.11	0.51	-7.74e-05	-6.31	0.0	-0.03	3.11	0.12	0.01	0.26	0.56
		0.47	0.26	6.30e-04	0.0	203.0	-0.03	-3.20	0.12	0.01	0.51	0.47
154	14	2.43	1.33	-8.94e-05	-6.31	0.0	-0.04	3.04	0.33	0.03	0.67	0.94
		0.70	0.67	1.67e-03	0.0	203.0	-0.04	-3.27	0.33	0.03	1.33	0.70
154	15	2.11	0.52	-7.58e-05	-6.31	0.0	-0.03	3.12	0.11	8.99e-03	0.30	0.55
		0.46	0.30	5.68e-04	0.0	203.0	-0.03	-3.20	0.11	8.99e-03	0.52	0.46
154	17	2.11	0.51	-7.74e-05	-6.31	0.0	-0.03	3.11	0.12	0.01	0.26	0.56
		0.47	0.26	6.30e-04	0.0	203.0	-0.03	-3.20	0.12	0.01	0.51	0.47
154	18	2.30	1.00	-8.46e-05	-6.31	0.0	-0.03	3.07	0.25	0.02	0.50	0.79
		0.61	0.50	1.26e-03	0.0	203.0	-0.03	-3.24	0.25	0.02	1.00	0.61
154	20	2.33	0.89	-1.01e-04	-6.31	0.0	-4.88	2.65	0.18	0.01	0.49	1.22
		0.16	0.49	1.03e-03	0.0	203.0	-4.88	-3.66	0.18	0.01	0.89	0.16
154	31	2.36	1.03	-1.01e-04	-6.31	0.0	-7.80	2.71	0.26	0.02	0.56	1.18

		0.27	0.56	1.28e-03	0.0	203.0	-7.80	-3.61	0.26	0.02	1.03	0.27
154	34	2.28	0.98	-6.85e-05	-6.31	0.0	7.73	3.43	0.24	0.02	0.44	0.39
		0.39	0.44	1.23e-03	0.0	203.0	7.73	-2.88	0.24	0.02	0.98	0.95
154	37	2.36	1.27	-9.64e-05	-6.31	0.0	1.52	3.16	0.39	0.03	0.61	0.73
		0.73	0.61	1.57e-03	0.0	203.0	1.52	-3.15	0.39	0.03	1.27	0.79
154	43	2.37	1.16	-1.05e-04	-6.31	0.0	-1.73	2.90	0.34	0.03	0.63	1.01
		0.51	0.63	1.68e-03	0.0	203.0	-1.73	-3.41	0.34	0.03	1.16	0.51
154	50	2.24	0.84	-6.73e-05	-6.31	0.0	2.53	3.21	0.15	0.01	0.37	0.59
		0.59	0.37	8.21e-04	0.0	203.0	2.53	-3.10	0.15	0.01	0.84	0.68
154	52	2.31	0.90	-9.53e-05	-6.31	0.0	-3.58	2.82	0.19	0.02	0.49	1.04
		0.34	0.49	1.09e-03	0.0	203.0	-3.58	-3.49	0.19	0.02	0.90	0.34
154	63	2.33	1.03	-9.72e-05	-6.31	0.0	-5.70	2.85	0.26	0.02	0.55	1.03
		0.41	0.55	1.27e-03	0.0	203.0	-5.70	-3.46	0.26	0.02	1.03	0.41
154	66	2.28	0.98	-7.21e-05	-6.31	0.0	5.63	3.29	0.24	0.02	0.46	0.55
		0.55	0.46	1.24e-03	0.0	203.0	5.63	-3.02	0.24	0.02	0.98	0.81
154	67	2.35	1.22	-1.05e-04	-6.31	0.0	-0.99	2.96	0.36	0.03	0.60	0.93
		0.57	0.60	1.40e-03	0.0	203.0	-0.99	-3.35	0.36	0.03	1.22	0.57
154	69	2.35	1.24	-9.60e-05	-6.31	0.0	1.12	3.11	0.38	0.03	0.59	0.77
		0.73	0.59	1.46e-03	0.0	203.0	1.12	-3.20	0.38	0.03	1.24	0.73
154	82	2.25	0.86	-6.95e-05	-6.31	0.0	1.87	3.16	0.16	0.01	0.40	0.65
		0.64	0.40	9.41e-04	0.0	203.0	1.87	-3.15	0.16	0.01	0.86	0.64
154	83	2.35	1.21	-9.91e-05	-6.31	0.0	0.06	3.04	0.36	0.03	0.58	0.84
		0.65	0.58	1.41e-03	0.0	203.0	0.06	-3.27	0.36	0.03	1.21	0.65
154	84	2.25	0.80	-7.06e-05	-6.31	0.0	-0.12	3.10	0.14	0.01	0.42	0.73
		0.57	0.42	1.10e-03	0.0	203.0	-0.12	-3.21	0.14	0.01	0.80	0.57
154	85	2.35	1.14	-9.63e-05	-6.31	0.0	-0.23	3.04	0.33	0.03	0.59	0.85
		0.64	0.59	1.56e-03	0.0	203.0	-0.23	-3.27	0.33	0.03	1.14	0.64
154	86	2.26	0.87	-7.31e-05	-6.31	0.0	0.17	3.10	0.17	0.01	0.41	0.72
		0.58	0.41	9.54e-04	0.0	203.0	0.17	-3.21	0.17	0.01	0.87	0.58
154	88	2.35	0.87	-1.04e-04	-6.31	0.0	-5.83	2.52	0.17	0.01	0.49	1.35
		0.03	0.49	9.79e-04	0.0	203.0	-5.83	-3.79	0.17	0.01	0.87	0.03
154	91	2.40	1.01	-1.16e-04	-6.31	0.0	-5.87	2.49	0.25	0.02	0.57	1.41
		0.06	0.57	1.25e-03	0.0	203.0	-5.87	-3.82	0.25	0.02	1.01	0.06
154	99	2.38	1.03	-1.04e-04	-6.31	0.0	-9.30	2.60	0.26	0.02	0.57	1.29
		0.17	0.57	1.28e-03	0.0	203.0	-9.30	-3.71	0.26	0.02	1.03	0.17
154	102	2.29	0.98	-6.58e-05	-6.31	0.0	9.23	3.54	0.24	0.02	0.43	0.28
		0.28	0.43	1.23e-03	0.0	203.0	9.23	-2.78	0.24	0.02	0.98	1.05
154	105	2.37	1.30	-9.75e-05	-6.31	0.0	1.83	3.19	0.41	0.03	0.63	0.70
		0.70	0.63	1.64e-03	0.0	203.0	1.83	-3.12	0.41	0.03	1.30	0.83
154	118	2.23	0.82	-6.50e-05	-6.31	0.0	3.01	3.25	0.14	8.39e-03	0.35	0.54
		0.54	0.35	7.39e-04	0.0	203.0	3.01	-3.06	0.14	8.39e-03	0.82	0.71
155	2	3.89	-0.51	-2.13e-04	-8.21	0.0	-0.05	4.49	1.15	0.08	-2.85	1.40
		1.40	-2.85	6.02e-03	0.0	203.0	-0.05	-3.72	1.15	0.08	-0.51	2.18
155	3	2.18	0.12	-1.04e-04	-6.31	0.0	-0.03	3.25	0.28	0.02	-0.45	0.49
		0.49	-0.45	1.47e-03	0.0	203.0	-0.03	-3.07	0.28	0.02	0.12	0.67
155	6	3.59	-0.17	-1.98e-04	-8.21	0.0	-0.06	4.42	0.97	0.07	-2.15	1.18
		1.18	-2.15	5.12e-03	0.0	203.0	-0.06	-3.78	0.97	0.07	-0.17	1.83
155	7	2.21	0.29	-1.13e-04	-6.31	0.0	-0.04	3.26	0.35	0.02	-0.42	0.49
		0.49	-0.42	1.86e-03	0.0	203.0	-0.04	-3.05	0.35	0.02	0.29	0.71
155	9	2.16	0.04	-9.86e-05	-6.31	0.0	-0.03	3.24	0.25	0.02	-0.47	0.48
		0.48	-0.47	1.28e-03	0.0	203.0	-0.03	-3.08	0.25	0.02	0.04	0.64
155	10	2.88	-0.36	-1.54e-04	-6.31	0.0	-0.04	3.42	0.79	0.05	-1.97	1.00
		1.00	-1.97	4.13e-03	0.0	203.0	-0.04	-2.89	0.79	0.05	-0.36	1.54
155	11	2.18	0.15	-1.05e-04	-6.31	0.0	-0.03	3.25	0.29	0.02	-0.45	0.49
		0.49	-0.45	1.54e-03	0.0	203.0	-0.03	-3.06	0.29	0.02	0.15	0.67
155	12	2.68	-0.13	-1.44e-04	-6.31	0.0	-0.04	3.38	0.67	0.05	-1.50	0.85
		0.85	-1.50	3.53e-03	0.0	203.0	-0.04	-2.93	0.67	0.05	-0.13	1.30
155	13	2.14	-0.12	-8.90e-05	-6.31	0.0	-0.02	3.22	0.18	0.01	-0.49	0.47
		0.47	-0.49	8.98e-04	0.0	203.0	-0.02	-3.10	0.18	0.01	-0.12	0.59
155	14	2.49	-0.32	-1.16e-04	-6.31	0.0	-0.03	3.31	0.45	0.03	-1.24	0.73
		0.73	-1.24	2.32e-03	0.0	203.0	-0.03	-3.00	0.45	0.03	-0.32	1.04
155	15	2.14	-0.07	-9.20e-05	-6.31	0.0	-0.03	3.22	0.20	0.01	-0.48	0.48
		0.48	-0.48	1.03e-03	0.0	203.0	-0.03	-3.09	0.20	0.01	-0.07	0.61
155	16	2.36	-0.19	-1.09e-04	-6.31	0.0	-0.03	3.28	0.37	0.02	-0.93	0.63
		0.63	-0.93	1.88e-03	0.0	203.0	-0.03	-3.03	0.37	0.02	-0.19	0.88
155	17	2.14	-0.12	-8.90e-05	-6.31	0.0	-0.02	3.22	0.18	0.01	-0.49	0.47
		0.47	-0.49	8.98e-04	0.0	203.0	-0.02	-3.10	0.18	0.01	-0.12	0.59
155	18	2.35	-0.24	-1.05e-04	-6.31	0.0	-0.03	3.27	0.34	0.02	-0.94	0.63
		0.63	-0.94	1.75e-03	0.0	203.0	-0.03	-3.04	0.34	0.02	-0.24	0.86
155	23	2.34	-0.23	-1.29e-04	-6.31	0.0	-4.71	3.47	0.32	0.02	-0.88	0.40
		0.40	-0.88	1.26e-03	0.0	203.0	-4.71	-2.85	0.32	0.02	-0.23	1.05
155	31	2.33	-0.23	-1.13e-04	-6.31	0.0	-6.69	3.42	0.32	0.02	-0.87	0.44
		0.44	-0.87	1.32e-03	0.0	203.0	-6.69	-2.89	0.32	0.02	-0.23	1.00
155	34	2.37	-0.25	-9.85e-05	-6.31	0.0	6.64	3.12	0.37	0.03	-1.02	0.81
		0.72	-1.02	2.19e-03	0.0	203.0	6.64	-3.19	0.37	0.03	-0.25	0.72

155	36	2.45	-0.16	-1.52e-04	-6.31	0.0	-1.50	3.41	0.46	0.04	-1.15	0.60
		0.60	-1.15	2.69e-03	0.0	203.0	-1.50	-2.90	0.46	0.04	-0.16	1.09
155	40	2.45	-0.16	-1.47e-04	-6.31	0.0	-2.10	3.40	0.45	0.04	-1.15	0.61
		0.61	-1.15	2.71e-03	0.0	203.0	-2.10	-2.92	0.45	0.04	-0.16	1.07
155	44	2.44	-0.18	-1.58e-04	-6.31	0.0	-1.27	3.40	0.50	0.03	-1.26	0.61
		0.61	-1.26	2.39e-03	0.0	203.0	-1.27	-2.91	0.50	0.03	-0.18	1.07
155	55	2.33	-0.24	-1.21e-04	-6.31	0.0	-3.44	3.38	0.32	0.02	-0.89	0.49
		0.49	-0.89	1.40e-03	0.0	203.0	-3.44	-2.93	0.32	0.02	-0.24	0.97
155	63	2.33	-0.24	-1.09e-04	-6.31	0.0	-4.89	3.36	0.32	0.02	-0.88	0.51
		0.51	-0.88	1.44e-03	0.0	203.0	-4.89	-2.95	0.32	0.02	-0.24	0.94
155	66	2.37	-0.25	-1.02e-04	-6.31	0.0	4.83	3.18	0.37	0.03	-1.01	0.74
		0.74	-1.01	2.06e-03	0.0	203.0	4.83	-3.13	0.37	0.03	-0.25	0.79
155	68	2.42	-0.18	-1.44e-04	-6.31	0.0	-1.11	3.37	0.44	0.03	-1.13	0.62
		0.62	-1.13	2.44e-03	0.0	203.0	-1.11	-2.94	0.44	0.03	-0.18	1.03
155	72	2.42	-0.18	-1.40e-04	-6.31	0.0	-1.54	3.36	0.44	0.03	-1.13	0.63
		0.63	-1.13	2.46e-03	0.0	203.0	-1.54	-2.95	0.44	0.03	-0.18	1.02
155	76	2.42	-0.19	-1.48e-04	-6.31	0.0	-0.91	3.36	0.49	0.03	-1.23	0.63
		0.63	-1.23	2.19e-03	0.0	203.0	-0.91	-2.95	0.49	0.03	-0.19	1.01
155	84	2.41	-0.19	-1.32e-04	-6.31	0.0	-0.09	3.32	0.43	0.03	-1.11	0.65
		0.65	-1.11	2.42e-03	0.0	203.0	-0.09	-2.99	0.43	0.03	-0.19	0.97
155	85	2.28	-0.29	-7.76e-05	-6.31	0.0	-0.14	3.22	0.22	0.02	-0.70	0.59
		0.59	-0.70	1.31e-03	0.0	203.0	-0.14	-3.09	0.22	0.02	-0.29	0.77
155	86	2.41	-0.20	-1.36e-04	-6.31	0.0	0.09	3.32	0.47	0.03	-1.19	0.66
		0.66	-1.19	2.19e-03	0.0	203.0	0.09	-2.99	0.47	0.03	-0.20	0.96
155	91	2.34	-0.23	-1.35e-04	-6.31	0.0	-5.64	3.53	0.32	0.02	-0.88	0.33
		0.33	-0.88	1.17e-03	0.0	203.0	-5.64	-2.79	0.32	0.02	-0.23	1.11
155	99	2.34	-0.23	-1.15e-04	-6.31	0.0	-7.98	3.47	0.32	0.02	-0.86	0.39
		0.39	-0.86	1.23e-03	0.0	203.0	-7.98	-2.84	0.32	0.02	-0.23	1.05
155	102	2.37	-0.26	-9.67e-05	-6.31	0.0	7.93	3.07	0.37	0.03	-1.03	0.87
		0.68	-1.03	2.27e-03	0.0	203.0	7.93	-3.24	0.37	0.03	-0.26	0.68
155	104	2.47	-0.15	-1.60e-04	-6.31	0.0	-1.79	3.44	0.47	0.04	-1.18	0.58
		0.58	-1.18	2.86e-03	0.0	203.0	-1.79	-2.87	0.47	0.04	-0.15	1.13
155	108	2.47	-0.15	-1.53e-04	-6.31	0.0	-2.50	3.42	0.47	0.04	-1.17	0.60
		0.60	-1.17	2.88e-03	0.0	203.0	-2.50	-2.89	0.47	0.04	-0.15	1.12
155	112	2.46	-0.16	-1.66e-04	-6.31	0.0	-1.53	3.43	0.52	0.04	-1.30	0.59
		0.59	-1.30	2.51e-03	0.0	203.0	-1.53	-2.88	0.52	0.04	-0.16	1.11
156	2	2.18	0.0	-2.18e-05	-0.08	0.0	6.92e-03	21.80	-4.60	-2.13e-04	0.0	0.0
		0.0	-0.46	4.39e-05	0.0	10.0	6.92e-03	21.72	-4.60	-2.13e-04	-0.46	2.18
156	3	0.55	0.0	-4.82e-06	-0.06	0.0	5.58e-04	5.49	-5.51	-3.80e-04	0.0	0.0
		0.0	-0.55	1.22e-05	0.0	10.0	5.58e-04	5.43	-5.51	-3.80e-04	-0.55	0.55
156	7	0.66	0.0	-5.45e-06	-0.06	0.0	3.55e-04	6.59	-9.30	-6.72e-04	0.0	0.0
		0.0	-0.93	1.53e-05	0.0	10.0	3.55e-04	6.53	-9.30	-6.72e-04	-0.93	0.66
156	9	0.49	0.0	-4.51e-06	-0.06	0.0	6.60e-04	4.94	-3.61	-2.34e-04	0.0	0.0
		0.0	-0.36	1.07e-05	0.0	10.0	6.60e-04	4.88	-3.61	-2.34e-04	-0.36	0.49
156	10	1.50	0.0	-1.50e-05	-0.06	0.0	4.73e-03	15.04	-3.05	-1.35e-04	0.0	0.0
		0.0	-0.30	3.03e-05	0.0	10.0	4.73e-03	14.98	-3.05	-1.35e-04	-0.30	1.50
156	11	0.56	0.0	-4.93e-06	-0.06	0.0	5.24e-04	5.67	-6.14	-4.29e-04	0.0	0.0
		0.0	-0.61	1.27e-05	0.0	10.0	5.24e-04	5.61	-6.14	-4.29e-04	-0.61	0.56
156	13	0.38	0.02	-3.88e-06	-0.06	0.0	8.63e-04	3.83	0.18	5.79e-05	0.0	0.0
		0.0	0.0	7.52e-06	0.0	10.0	8.63e-04	3.77	0.18	5.79e-05	0.02	0.38
156	14	0.89	0.05	-9.14e-06	-0.06	0.0	2.90e-03	8.89	0.46	1.08e-04	0.0	0.0
		0.0	0.0	1.73e-05	0.0	10.0	2.90e-03	8.83	0.46	1.08e-04	0.05	0.89
156	15	0.42	0.0	-4.09e-06	-0.06	0.0	7.95e-04	4.20	-1.08	-3.95e-05	0.0	0.0
		0.0	-0.11	8.57e-06	0.0	10.0	7.95e-04	4.14	-1.08	-3.95e-05	-0.11	0.42
156	17	0.38	0.02	-3.88e-06	-0.06	0.0	8.63e-04	3.83	0.18	5.79e-05	0.0	0.0
		0.0	0.0	7.52e-06	0.0	10.0	8.63e-04	3.77	0.18	5.79e-05	0.02	0.38
156	18	0.68	0.04	-7.04e-06	-0.06	0.0	2.08e-03	6.87	0.35	8.78e-05	0.0	0.0
		0.0	0.0	1.34e-05	0.0	10.0	2.08e-03	6.80	0.35	8.78e-05	0.04	0.68
156	24	0.69	0.0	1.02e-05	-0.06	0.0	0.45	6.93	-1.45	-1.26e-03	0.0	0.0
		0.0	-0.14	-1.12e-05	0.0	10.0	0.45	6.87	-1.45	-1.26e-03	-0.14	0.69
156	25	0.68	0.21	-2.43e-05	-0.06	0.0	-0.45	6.80	2.15	1.43e-03	0.0	0.0
		0.0	0.0	3.80e-05	0.0	10.0	-0.45	6.74	2.15	1.43e-03	0.21	0.68
156	34	0.74	0.0	-2.37e-05	-0.06	0.0	-0.36	7.42	-0.73	1.34e-04	0.0	0.0
		0.0	-0.07	3.14e-05	0.0	10.0	-0.36	7.35	-0.73	1.34e-04	-0.07	0.74
156	38	0.80	0.0	-1.27e-05	-0.06	0.0	-0.17	8.07	-3.59	-8.49e-04	0.0	0.0
		0.0	-0.36	1.61e-05	0.0	10.0	-0.17	8.01	-3.59	-8.49e-04	-0.36	0.80
156	48	0.78	0.0	-1.99e-06	-0.06	0.0	0.21	7.83	-4.63	-1.29e-03	0.0	0.0
		0.0	-0.46	3.19e-06	0.0	10.0	0.21	7.77	-4.63	-1.29e-03	-0.46	0.78
156	49	0.59	0.53	-1.21e-05	-0.06	0.0	-0.21	5.90	5.33	1.46e-03	0.0	0.0
		0.0	0.0	2.36e-05	0.0	10.0	-0.21	5.84	5.33	1.46e-03	0.53	0.59
156	56	0.69	0.0	5.47e-06	-0.06	0.0	0.32	6.96	-1.06	-9.46e-04	0.0	0.0
		0.0	-0.11	-4.68e-06	0.0	10.0	0.32	6.90	-1.06	-9.46e-04	-0.11	0.69
156	57	0.67	0.18	-1.95e-05	-0.06	0.0	-0.31	6.77	1.76	1.12e-03	0.0	0.0
		0.0	0.0	3.15e-05	0.0	10.0	-0.31	6.71	1.76	1.12e-03	0.18	0.67
156	66	0.73	0.0	-1.92e-05	-0.06	0.0	-0.25	7.31	-0.48	6.97e-05	0.0	0.0

156	74	0.0	-0.05	2.62e-05	0.0	10.0	-0.25	7.25	-0.48	6.97e-05	-0.05	0.73
		0.79	0.0	-1.11e-05	-0.06	0.0	-0.12	7.89	-2.76	-9.11e-04	0.0	0.0
		0.0	-0.28	1.36e-05	0.0	10.0	-0.12	7.83	-2.76	-9.11e-04	-0.28	0.79
156	80	0.77	0.0	-3.39e-06	-0.06	0.0	0.17	7.71	-3.54	-1.10e-03	0.0	0.0
		0.0	-0.35	4.93e-06	0.0	10.0	0.17	7.65	-3.54	-1.10e-03	-0.35	0.77
156	81	0.60	0.42	-1.07e-05	-0.06	0.0	-0.16	6.02	4.24	1.27e-03	0.0	0.0
		0.0	0.0	2.19e-05	0.0	10.0	-0.16	5.96	4.24	1.27e-03	0.42	0.60
156	84	0.77	0.0	-7.42e-06	-0.06	0.0	-0.03	7.74	-2.50	-8.94e-04	0.0	0.0
		0.0	-0.25	9.77e-06	0.0	10.0	-0.03	7.68	-2.50	-8.94e-04	-0.25	0.77
156	85	0.60	0.37	-7.04e-06	-0.06	0.0	-0.07	6.06	3.73	1.07e-03	0.0	0.0
		0.0	0.0	1.73e-05	0.0	10.0	-0.07	6.00	3.73	1.07e-03	0.37	0.60
156	86	0.76	0.0	-7.03e-06	-0.06	0.0	0.08	7.67	-3.03	-8.95e-04	0.0	0.0
		0.0	-0.30	9.54e-06	0.0	10.0	0.08	7.61	-3.03	-8.95e-04	-0.30	0.76
156	92	0.69	0.0	1.36e-05	-0.06	0.0	0.56	6.91	-1.75	-1.50e-03	0.0	0.0
		0.0	-0.17	-1.60e-05	0.0	10.0	0.56	6.85	-1.75	-1.50e-03	-0.17	0.69
156	93	0.68	0.25	-2.77e-05	-0.06	0.0	-0.55	6.82	2.45	1.68e-03	0.0	0.0
		0.0	0.0	4.28e-05	0.0	10.0	-0.55	6.76	2.45	1.68e-03	0.25	0.68
156	102	0.75	0.0	-2.69e-05	-0.06	0.0	-0.45	7.52	-0.91	1.63e-04	0.0	0.0
		0.0	-0.09	3.50e-05	0.0	10.0	-0.45	7.45	-0.91	1.63e-04	-0.09	0.75
156	106	0.82	0.0	-1.37e-05	-0.06	0.0	-0.21	8.26	-4.24	-9.51e-04	0.0	0.0
		0.0	-0.42	1.71e-05	0.0	10.0	-0.21	8.20	-4.24	-9.51e-04	-0.42	0.82
156	116	0.79	0.0	0.0	-0.06	0.0	0.25	7.97	-5.46	-1.48e-03	0.0	0.0
		0.0	-0.55	1.58e-06	0.0	10.0	0.25	7.91	-5.46	-1.48e-03	-0.55	0.79
156	117	0.57	0.62	-1.31e-05	-0.06	0.0	-0.25	5.76	6.16	1.66e-03	0.0	0.0
		0.0	0.0	2.52e-05	0.0	10.0	-0.25	5.70	6.16	1.66e-03	0.62	0.57
157	1	0.76	0.60	2.42e-05	-0.08	0.0	2.37e-04	-7.56	-5.97	-0.02	0.60	0.76
		0.0	0.0	2.37e-05	0.0	10.0	2.37e-04	-7.64	-5.97	-0.02	0.0	0.0
157	2	1.58	2.69	3.41e-05	-0.08	0.0	0.02	-15.77	-26.86	-0.05	2.69	1.58
		0.0	0.0	3.33e-04	0.0	10.0	0.02	-15.85	-26.86	-0.05	0.0	0.0
157	4	1.40	2.56	2.87e-05	-0.06	0.0	0.02	-13.99	-25.61	-0.04	2.56	1.40
		0.0	0.0	3.14e-04	0.0	10.0	0.02	-14.05	-25.61	-0.04	0.0	0.0
157	7	0.57	0.51	1.92e-05	-0.06	0.0	-6.27e-03	-5.67	-5.09	-0.03	0.51	0.57
		0.0	0.0	-3.35e-05	0.0	10.0	-6.27e-03	-5.73	-5.09	-0.03	0.0	0.0
157	9	0.59	0.45	1.85e-05	-0.06	0.0	9.20e-04	-5.83	-4.54	-0.01	0.45	0.59
		0.0	0.0	2.42e-05	0.0	10.0	9.20e-04	-5.89	-4.54	-0.01	0.0	0.0
157	10	1.13	1.85	2.51e-05	-0.06	0.0	0.02	-11.31	-18.46	-0.03	1.85	1.13
		0.0	0.0	2.30e-04	0.0	10.0	0.02	-11.37	-18.46	-0.03	0.0	0.0
157	11	0.58	0.48	1.88e-05	-0.06	0.0	-2.28e-03	-5.76	-4.78	-0.02	0.48	0.58
		0.0	0.0	-1.48e-06	0.0	10.0	-2.28e-03	-5.82	-4.78	-0.02	0.0	0.0
157	13	0.60	0.42	1.81e-05	-0.06	0.0	5.71e-03	-5.94	-4.17	-5.36e-03	0.42	0.60
		0.0	0.0	6.26e-05	0.0	10.0	5.71e-03	-6.00	-4.17	-5.36e-03	0.0	0.0
157	14	0.87	1.11	2.14e-05	-0.06	0.0	0.01	-8.68	-11.13	-0.01	1.11	0.87
		0.0	0.0	1.66e-04	0.0	10.0	0.01	-8.74	-11.13	-0.01	0.0	0.0
157	15	0.59	0.43	1.83e-05	-0.06	0.0	4.12e-03	-5.91	-4.29	-8.25e-03	0.43	0.59
		0.0	0.0	4.98e-05	0.0	10.0	4.12e-03	-5.97	-4.29	-8.25e-03	0.0	0.0
157	17	0.60	0.42	1.81e-05	-0.06	0.0	5.71e-03	-5.94	-4.17	-5.36e-03	0.42	0.60
		0.0	0.0	6.26e-05	0.0	10.0	5.71e-03	-6.00	-4.17	-5.36e-03	0.0	0.0
157	18	0.76	0.83	2.01e-05	-0.06	0.0	0.01	-7.58	-8.34	-0.01	0.83	0.76
		0.0	0.0	1.24e-04	0.0	10.0	0.01	-7.64	-8.34	-0.01	0.0	0.0
157	23	0.80	0.88	1.42e-05	-0.06	0.0	-2.09	-8.01	-8.83	-0.01	0.88	0.80
		0.0	0.0	9.51e-05	0.0	10.0	-2.09	-8.07	-8.83	-0.01	0.0	0.0
157	26	0.72	0.79	2.60e-05	-0.06	0.0	2.11	-7.16	-7.86	-7.61e-03	0.79	0.72
		0.0	0.0	1.54e-04	0.0	10.0	2.11	-7.22	-7.86	-7.61e-03	0.0	0.0
157	35	0.85	1.21	1.52e-05	-0.06	0.0	-0.57	-8.49	-12.06	-0.02	1.21	0.85
		0.0	0.0	1.07e-04	0.0	10.0	-0.57	-8.55	-12.06	-0.02	0.0	0.0
157	36	0.68	0.44	2.20e-05	-0.06	0.0	-0.66	-6.82	-4.44	-5.03e-03	0.44	0.68
		0.0	0.0	1.24e-04	0.0	10.0	-0.66	-6.88	-4.44	-5.03e-03	0.0	0.0
157	37	0.84	1.22	1.83e-05	-0.06	0.0	0.68	-8.35	-12.25	-0.02	1.22	0.84
		0.0	0.0	1.25e-04	0.0	10.0	0.68	-8.41	-12.25	-0.02	0.0	0.0
157	55	0.79	0.88	1.57e-05	-0.06	0.0	-1.51	-7.90	-8.78	-0.01	0.88	0.79
		0.0	0.0	1.02e-04	0.0	10.0	-1.51	-7.96	-8.78	-0.01	0.0	0.0
157	58	0.73	0.79	2.45e-05	-0.06	0.0	1.53	-7.27	-7.91	-8.31e-03	0.79	0.73
		0.0	0.0	1.47e-04	0.0	10.0	1.53	-7.33	-7.91	-8.31e-03	0.0	0.0
157	67	0.84	1.16	1.60e-05	-0.06	0.0	-0.41	-8.34	-11.57	-0.02	1.16	0.84
		0.0	0.0	1.08e-04	0.0	10.0	-0.41	-8.40	-11.57	-0.02	0.0	0.0
157	68	0.69	0.50	2.20e-05	-0.06	0.0	-0.48	-6.92	-4.96	-5.95e-03	0.50	0.69
		0.0	0.0	1.27e-04	0.0	10.0	-0.48	-6.98	-4.96	-5.95e-03	0.0	0.0
157	69	0.83	1.17	1.82e-05	-0.06	0.0	0.50	-8.25	-11.73	-0.02	1.17	0.83
		0.0	0.0	1.21e-04	0.0	10.0	0.50	-8.31	-11.73	-0.02	0.0	0.0
157	83	0.83	1.13	1.74e-05	-0.06	0.0	0.04	-8.22	-11.32	-0.02	1.13	0.83
		0.0	0.0	1.16e-04	0.0	10.0	0.04	-8.28	-11.32	-0.02	0.0	0.0
157	84	0.70	0.54	2.28e-05	-0.06	0.0	-0.02	-6.94	-5.37	-6.16e-03	0.54	0.70
		0.0	0.0	1.33e-04	0.0	10.0	-0.02	-7.00	-5.37	-6.16e-03	0.0	0.0
157	85	0.81	1.05	1.79e-05	-0.06	0.0	-0.02	-8.07	-10.46	-0.01	1.05	0.81
		0.0	0.0	1.24e-04	0.0	10.0	-0.02	-8.14	-10.46	-0.01	0.0	0.0

157	86	0.71	0.62	2.23e-05	-0.06	0.0	0.05	-7.09	-6.23	-6.74e-03	0.62	0.71
		0.0	0.0	1.24e-04	0.0	10.0	0.05	-7.15	-6.23	-6.74e-03	0.0	0.0
157	91	0.81	0.89	1.31e-05	-0.06	0.0	-2.50	-8.10	-8.89	-0.01	0.89	0.81
		0.0	0.0	8.96e-05	0.0	10.0	-2.50	-8.16	-8.89	-0.01	0.0	0.0
157	94	0.71	0.78	2.71e-05	-0.06	0.0	2.53	-7.06	-7.80	-7.06e-03	0.78	0.71
		0.0	0.0	1.59e-04	0.0	10.0	2.53	-7.13	-7.80	-7.06e-03	0.0	0.0
157	103	0.87	1.26	1.45e-05	-0.06	0.0	-0.68	-8.64	-12.61	-0.02	1.26	0.87
		0.0	0.0	1.04e-04	0.0	10.0	-0.68	-8.70	-12.61	-0.02	0.0	0.0
157	104	0.67	0.39	2.21e-05	-0.06	0.0	-0.79	-6.71	-3.87	-4.16e-03	0.39	0.67
		0.0	0.0	1.23e-04	0.0	10.0	-0.79	-6.77	-3.87	-4.16e-03	0.0	0.0
157	105	0.85	1.28	1.81e-05	-0.06	0.0	0.81	-8.46	-12.82	-0.02	1.28	0.85
		0.0	0.0	1.26e-04	0.0	10.0	0.81	-8.52	-12.82	-0.02	0.0	0.0
158	2	2.62	0.54	2.57e-05	-0.08	0.0	3.27e-03	-26.21	-5.41	-7.91e-03	0.54	2.62
		0.0	0.0	3.90e-04	0.0	10.0	3.27e-03	-26.29	-5.41	-7.91e-03	0.0	0.0
158	3	0.88	0.50	1.52e-05	-0.06	0.0	0.01	-8.75	-4.99	3.85e-03	0.50	0.88
		0.0	0.0	1.21e-04	0.0	10.0	0.01	-8.81	-4.99	3.85e-03	0.0	0.0
158	4	2.40	0.54	2.08e-05	-0.06	0.0	1.04e-03	-24.01	-5.38	-7.22e-03	0.54	2.40
		0.0	0.0	3.74e-04	0.0	10.0	1.04e-03	-24.07	-5.38	-7.22e-03	0.0	0.0
158	5	1.19	0.83	1.94e-05	-0.08	0.0	0.02	-11.90	-8.28	7.27e-03	0.83	1.19
		0.0	0.0	1.83e-04	0.0	10.0	0.02	-11.98	-8.28	7.27e-03	0.0	0.0
158	6	2.26	0.86	2.33e-05	-0.08	0.0	8.79e-03	-22.58	-8.56	-4.86e-04	0.86	2.26
		0.0	0.0	3.60e-04	0.0	10.0	8.79e-03	-22.66	-8.56	-4.86e-04	0.0	0.0
158	9	0.83	0.34	1.56e-05	-0.06	0.0	9.92e-03	-8.27	-3.35	1.81e-03	0.34	0.83
		0.0	0.0	9.86e-05	0.0	10.0	9.92e-03	-8.33	-3.35	1.81e-03	0.0	0.0
158	10	1.85	0.36	1.93e-05	-0.06	0.0	3.17e-03	-18.45	-3.62	-5.58e-03	0.36	1.85
		0.0	0.0	2.67e-04	0.0	10.0	3.17e-03	-18.51	-3.62	-5.58e-03	0.0	0.0
158	11	0.89	0.55	1.51e-05	-0.06	0.0	0.01	-8.91	-5.53	4.54e-03	0.55	0.89
		0.0	0.0	1.29e-04	0.0	10.0	0.01	-8.97	-5.53	4.54e-03	0.0	0.0
158	12	1.61	0.57	1.77e-05	-0.06	0.0	6.85e-03	-16.03	-5.72	-6.30e-04	0.57	1.61
		0.0	0.0	2.47e-04	0.0	10.0	6.85e-03	-16.09	-5.72	-6.30e-04	0.0	0.0
158	13	0.74	8.38e-03	1.63e-05	-0.06	0.0	7.43e-03	-7.32	-0.08	-2.29e-03	8.38e-03	0.74
		0.0	0.0	5.29e-05	0.0	10.0	7.43e-03	-7.38	-0.08	-2.29e-03	0.0	0.0
158	14	1.24	0.02	1.82e-05	-0.06	0.0	4.06e-03	-12.41	-0.22	-5.99e-03	0.02	1.24
		0.0	0.0	1.37e-04	0.0	10.0	4.06e-03	-12.47	-0.22	-5.99e-03	0.0	0.0
158	15	0.77	0.12	1.61e-05	-0.06	0.0	8.26e-03	-7.64	-1.17	-9.28e-04	0.12	0.77
		0.0	0.0	6.81e-05	0.0	10.0	8.26e-03	-7.70	-1.17	-9.28e-04	0.0	0.0
158	16	1.07	0.13	1.72e-05	-0.06	0.0	6.24e-03	-10.69	-1.25	-3.14e-03	0.13	1.07
		0.0	0.0	1.19e-04	0.0	10.0	6.24e-03	-10.75	-1.25	-3.14e-03	0.0	0.0
158	17	0.74	8.38e-03	1.63e-05	-0.06	0.0	7.43e-03	-7.32	-0.08	-2.29e-03	8.38e-03	0.74
		0.0	0.0	5.29e-05	0.0	10.0	7.43e-03	-7.38	-0.08	-2.29e-03	0.0	0.0
158	18	1.04	0.02	1.74e-05	-0.06	0.0	5.41e-03	-10.37	-0.16	-4.51e-03	0.02	1.04
		0.0	0.0	1.03e-04	0.0	10.0	5.41e-03	-10.44	-0.16	-4.51e-03	0.0	0.0
158	32	1.11	0.04	5.52e-06	-0.06	0.0	-3.12	-11.07	-0.35	-3.91e-03	0.04	1.11
		0.0	0.0	1.30e-04	0.0	10.0	-3.12	-11.13	-0.35	-3.91e-03	0.0	0.0
158	33	0.97	0.0	2.93e-05	-0.06	0.0	3.14	-9.68	0.03	-5.10e-03	-2.89e-03	0.97
		0.0	-2.89e-03	7.66e-05	0.0	10.0	3.14	-9.74	0.03	-5.10e-03	0.0	0.0
158	38	1.38	0.15	2.11e-05	-0.06	0.0	0.56	-13.75	-1.49	-7.99e-03	0.15	1.38
		0.0	0.0	2.30e-04	0.0	10.0	0.56	-13.81	-1.49	-7.99e-03	0.0	0.0
158	39	0.70	0.0	1.45e-05	-0.06	0.0	-1.04	-7.01	1.16	-8.69e-04	-0.12	0.70
		0.0	-0.12	-2.09e-05	0.0	10.0	-1.04	-7.07	1.16	-8.69e-04	0.0	0.0
158	42	1.38	0.15	2.04e-05	-0.06	0.0	1.05	-13.74	-1.49	-8.15e-03	0.15	1.38
		0.0	0.0	2.28e-04	0.0	10.0	1.05	-13.80	-1.49	-8.15e-03	0.0	0.0
158	49	0.76	0.0	4.68e-05	-0.06	0.0	1.13	-7.52	0.83	-1.93e-03	-0.08	0.76
		0.0	-0.08	0.0	0.0	10.0	1.13	-7.58	0.83	-1.93e-03	0.0	0.0
158	64	1.10	0.03	8.24e-06	-0.06	0.0	-2.28	-10.94	-0.32	-4.18e-03	0.03	1.10
		0.0	0.0	1.24e-04	0.0	10.0	-2.28	-11.00	-0.32	-4.18e-03	0.0	0.0
158	65	0.98	6.02e-04	2.66e-05	-0.06	0.0	2.29	-9.81	-6.02e-03	-4.84e-03	6.02e-04	0.98
		0.0	0.0	8.28e-05	0.0	10.0	2.29	-9.87	-6.02e-03	-4.84e-03	0.0	0.0
158	70	1.30	0.12	2.05e-05	-0.06	0.0	0.42	-12.98	-1.22	-7.39e-03	0.12	1.30
		0.0	0.0	2.00e-04	0.0	10.0	0.42	-13.04	-1.22	-7.39e-03	0.0	0.0
158	71	0.78	0.0	1.49e-05	-0.06	0.0	-0.77	-7.77	0.90	-1.52e-03	-0.09	0.78
		0.0	-0.09	8.19e-06	0.0	10.0	-0.77	-7.83	0.90	-1.52e-03	0.0	0.0
158	74	1.30	0.12	2.00e-05	-0.06	0.0	0.78	-12.98	-1.22	-7.50e-03	0.12	1.30
		0.0	0.0	1.99e-04	0.0	10.0	0.78	-13.04	-1.22	-7.50e-03	0.0	0.0
158	81	0.82	0.0	4.07e-05	-0.06	0.0	0.85	-8.16	0.63	-2.28e-03	-0.06	0.82
		0.0	-0.06	2.42e-05	0.0	10.0	0.85	-8.23	0.63	-2.28e-03	0.0	0.0
158	83	0.81	0.0	1.58e-05	-0.06	0.0	-0.09	-8.09	0.76	-2.12e-03	-0.08	0.81
		0.0	-0.08	1.96e-05	0.0	10.0	-0.09	-8.15	0.76	-2.12e-03	0.0	0.0
158	84	1.27	0.11	1.91e-05	-0.06	0.0	0.10	-12.66	-1.08	-6.89e-03	0.11	1.27
		0.0	0.0	1.87e-04	0.0	10.0	0.10	-12.72	-1.08	-6.89e-03	0.0	0.0
158	85	0.84	0.0	3.75e-05	-0.06	0.0	0.16	-8.38	0.57	-2.21e-03	-0.06	0.84
		0.0	-0.06	3.22e-05	0.0	10.0	0.16	-8.44	0.57	-2.21e-03	0.0	0.0
158	86	1.24	0.09	-2.64e-06	-0.06	0.0	-0.15	-12.37	-0.90	-6.81e-03	0.09	1.24
		0.0	0.0	1.75e-04	0.0	10.0	-0.15	-12.43	-0.90	-6.81e-03	0.0	0.0
158	100	1.12	0.04	3.48e-06	-0.06	0.0	-3.73	-11.16	-0.38	-3.76e-03	0.04	1.12

		0.0	0.0	1.35e-04	0.0	10.0	-3.73	-11.22	-0.38	-3.76e-03	0.0	0.0
158	101	0.96	0.0	3.14e-05	-0.06	0.0	3.74	-9.59	0.06	-5.25e-03	-5.68e-03	0.96
		0.0	-5.68e-03	7.22e-05	0.0	10.0	3.74	-9.65	0.06	-5.25e-03	0.0	0.0
158	106	1.43	0.17	2.16e-05	-0.06	0.0	0.66	-14.32	-1.70	-8.55e-03	0.17	1.43
		0.0	0.0	2.51e-04	0.0	10.0	0.66	-14.38	-1.70	-8.55e-03	0.0	0.0
158	107	0.65	0.0	1.41e-05	-0.06	0.0	-1.24	-6.45	1.38	-2.82e-04	-0.14	0.65
		0.0	-0.14	-4.17e-05	0.0	10.0	-1.24	-6.51	1.38	-2.82e-04	0.0	0.0
158	110	1.43	0.17	2.08e-05	-0.06	0.0	1.25	-14.30	-1.70	-8.74e-03	0.17	1.43
		0.0	0.0	2.49e-04	0.0	10.0	1.25	-14.36	-1.70	-8.74e-03	0.0	0.0
158	117	0.71	0.0	5.15e-05	-0.06	0.0	1.34	-7.05	0.98	-1.53e-03	-0.10	0.71
		0.0	-0.10	-1.80e-05	0.0	10.0	1.34	-7.12	0.98	-1.53e-03	0.0	0.0
162	2	1.88	0.0	1.47e-05	-0.08	0.0	0.03	-18.80	5.41	-7.26e-04	-0.54	1.88
		0.0	-0.54	3.63e-05	0.0	10.0	0.03	-18.88	5.41	-7.26e-04	0.0	0.0
162	3	0.24	0.0	1.89e-06	-0.06	0.0	6.81e-03	-2.37	4.99	1.67e-04	-0.50	0.24
		0.0	-0.50	5.53e-06	0.0	10.0	6.81e-03	-2.43	4.99	1.67e-04	0.0	0.0
162	4	1.77	0.0	1.41e-05	-0.06	0.0	0.03	-17.66	5.38	-7.24e-04	-0.54	1.77
		0.0	-0.54	3.47e-05	0.0	10.0	0.03	-17.72	5.38	-7.24e-04	0.0	0.0
162	5	0.26	0.0	2.35e-06	-0.08	0.0	9.77e-03	-2.56	8.28	2.80e-04	-0.83	0.26
		0.0	-0.83	7.22e-06	0.0	10.0	9.77e-03	-2.64	8.28	2.80e-04	0.0	0.0
162	6	1.33	0.0	1.09e-05	-0.08	0.0	0.03	-13.27	8.56	-3.43e-04	-0.86	1.33
		0.0	-0.86	2.76e-05	0.0	10.0	0.03	-13.34	8.56	-3.43e-04	0.0	0.0
162	9	0.29	0.0	1.98e-06	-0.06	0.0	5.98e-03	-2.85	3.35	1.09e-04	-0.34	0.29
		0.0	-0.34	5.50e-06	0.0	10.0	5.98e-03	-2.91	3.35	1.09e-04	0.0	0.0
162	10	1.31	0.0	1.01e-05	-0.06	0.0	0.02	-13.04	3.62	-4.85e-04	-0.36	1.31
		0.0	-0.36	2.49e-05	0.0	10.0	0.02	-13.10	3.62	-4.85e-04	0.0	0.0
162	11	0.22	0.0	1.86e-06	-0.06	0.0	7.09e-03	-2.22	5.53	1.86e-04	-0.55	0.22
		0.0	-0.55	5.54e-06	0.0	10.0	7.09e-03	-2.28	5.53	1.86e-04	0.0	0.0
162	12	0.94	0.0	7.56e-06	-0.06	0.0	0.02	-9.35	5.72	-2.30e-04	-0.57	0.94
		0.0	-0.57	1.91e-05	0.0	10.0	0.02	-9.41	5.72	-2.30e-04	0.0	0.0
162	13	0.38	0.0	2.15e-06	-0.06	0.0	4.31e-03	-3.80	0.08	-5.74e-06	-8.38e-03	0.38
		0.0	-8.38e-03	5.44e-06	0.0	10.0	4.31e-03	-3.86	0.08	-5.74e-06	0.0	0.0
162	14	0.89	0.0	6.22e-06	-0.06	0.0	0.01	-8.90	0.22	-3.03e-04	-0.02	0.89
		0.0	-0.02	1.52e-05	0.0	10.0	0.01	-8.96	0.22	-3.03e-04	0.0	0.0
162	15	0.35	0.0	2.09e-06	-0.06	0.0	4.87e-03	-3.48	1.17	3.26e-05	-0.12	0.35
		0.0	-0.12	5.46e-06	0.0	10.0	4.87e-03	-3.55	1.17	3.26e-05	0.0	0.0
162	16	0.66	0.0	4.54e-06	-0.06	0.0	9.75e-03	-6.54	1.25	-1.46e-04	-0.13	0.66
		0.0	-0.13	1.13e-05	0.0	10.0	9.75e-03	-6.60	1.25	-1.46e-04	0.0	0.0
162	17	0.38	0.0	2.15e-06	-0.06	0.0	4.31e-03	-3.80	0.08	-5.74e-06	-8.38e-03	0.38
		0.0	-8.38e-03	5.44e-06	0.0	10.0	4.31e-03	-3.86	0.08	-5.74e-06	0.0	0.0
162	18	0.69	0.0	4.60e-06	-0.06	0.0	9.20e-03	-6.86	0.16	-1.84e-04	-0.02	0.69
		0.0	-0.02	1.13e-05	0.0	10.0	9.20e-03	-6.92	0.16	-1.84e-04	0.0	0.0
162	23	0.70	0.18	2.89e-05	-0.06	0.0	-4.86	-7.01	-1.75	7.07e-04	0.18	0.70
		0.0	0.0	-1.20e-05	0.0	10.0	-4.86	-7.07	-1.75	7.07e-04	0.0	0.0
162	26	0.67	0.0	-1.97e-05	-0.06	0.0	4.88	-6.71	2.08	-1.08e-03	-0.21	0.67
		0.0	-0.21	3.45e-05	0.0	10.0	4.88	-6.77	2.08	-1.08e-03	0.0	0.0
162	37	0.84	0.59	-2.62e-06	-0.06	0.0	1.53	-8.33	-5.90	-1.34e-03	0.59	0.84
		0.0	0.0	4.22e-06	0.0	10.0	1.53	-8.39	-5.90	-1.34e-03	0.0	0.0
162	39	0.82	0.61	1.18e-05	-0.06	0.0	-0.75	-8.18	-6.12	-4.84e-04	0.61	0.82
		0.0	0.0	-5.17e-06	0.0	10.0	-0.75	-8.24	-6.12	-4.84e-04	0.0	0.0
162	42	0.56	0.0	-2.62e-06	-0.06	0.0	0.77	-5.54	6.45	1.16e-04	-0.64	0.56
		0.0	-0.64	2.77e-05	0.0	10.0	0.77	-5.60	6.45	1.16e-04	0.0	0.0
162	46	0.56	0.0	-2.17e-06	-0.06	0.0	1.61	-5.58	5.48	1.39e-04	-0.55	0.56
		0.0	-0.55	2.80e-05	0.0	10.0	1.61	-5.64	5.48	1.39e-04	0.0	0.0
162	55	0.71	0.14	2.22e-05	-0.06	0.0	-3.53	-7.04	-1.37	4.38e-04	0.14	0.71
		0.0	0.0	-6.18e-06	0.0	10.0	-3.53	-7.10	-1.37	4.38e-04	0.0	0.0
162	58	0.67	0.0	-1.30e-05	-0.06	0.0	3.55	-6.68	1.70	-8.06e-04	-0.17	0.67
		0.0	-0.17	2.87e-05	0.0	10.0	3.55	-6.74	1.70	-8.06e-04	0.0	0.0
162	71	0.81	0.48	9.86e-06	-0.06	0.0	-0.53	-8.05	-4.85	-5.24e-04	0.48	0.81
		0.0	0.0	-3.00e-06	0.0	10.0	-0.53	-8.11	-4.85	-5.24e-04	0.0	0.0
162	73	0.82	0.47	0.0	-0.06	0.0	0.67	-8.16	-4.65	-1.30e-03	0.47	0.82
		0.0	0.0	1.85e-06	0.0	10.0	0.67	-8.22	-4.65	-1.30e-03	0.0	0.0
162	74	0.57	0.0	0.0	-0.06	0.0	0.55	-5.67	5.17	1.56e-04	-0.52	0.57
		0.0	-0.52	2.55e-05	0.0	10.0	0.55	-5.73	5.17	1.56e-04	0.0	0.0
162	78	0.57	0.0	0.0	-0.06	0.0	1.19	-5.72	4.43	1.50e-04	-0.44	0.57
		0.0	-0.44	2.54e-05	0.0	10.0	1.19	-5.78	4.43	1.50e-04	0.0	0.0
162	83	0.80	0.42	4.69e-06	-0.06	0.0	0.06	-7.98	-4.22	-8.38e-04	0.42	0.80
		0.0	0.0	0.0	0.0	10.0	0.06	-8.04	-4.22	-8.38e-04	0.0	0.0
162	84	0.58	0.0	4.50e-06	-0.06	0.0	-0.04	-5.74	4.55	4.70e-04	-0.46	0.58
		0.0	-0.46	2.20e-05	0.0	10.0	-0.04	-5.80	4.55	4.70e-04	0.0	0.0
162	85	0.80	0.36	4.20e-06	-0.06	0.0	-0.11	-7.94	-3.57	-6.98e-04	0.36	0.80
		0.0	0.0	2.47e-06	0.0	10.0	-0.11	-8.00	-3.57	-6.98e-04	0.0	0.0
162	86	0.58	0.0	5.00e-06	-0.06	0.0	0.13	-5.78	3.89	3.30e-04	-0.39	0.58
		0.0	-0.39	2.01e-05	0.0	10.0	0.13	-5.84	3.89	3.30e-04	0.0	0.0
162	91	0.70	0.21	3.37e-05	-0.06	0.0	-5.82	-7.00	-2.06	8.94e-04	0.21	0.70
		0.0	0.0	-1.63e-05	0.0	10.0	-5.82	-7.06	-2.06	8.94e-04	0.0	0.0

162	94	0.68	0.0	-2.45e-05	-0.06	0.0	5.84	-6.72	2.39	-1.26e-03	-0.24	0.68
		0.0	-0.24	3.89e-05	0.0	10.0	5.84	-6.78	2.39	-1.26e-03	0.0	0.0
162	105	0.86	0.69	-4.06e-06	-0.06	0.0	1.83	-8.53	-6.86	-1.52e-03	0.69	0.86
		0.0	0.0	3.75e-06	0.0	10.0	1.83	-8.59	-6.86	-1.52e-03	0.0	0.0
162	107	0.84	0.71	1.32e-05	-0.06	0.0	-0.90	-8.34	-7.12	-4.98e-04	0.71	0.84
		0.0	0.0	-7.49e-06	0.0	10.0	-0.90	-8.40	-7.12	-4.98e-04	0.0	0.0
162	110	0.54	0.0	-4.02e-06	-0.06	0.0	0.92	-5.38	7.45	1.30e-04	-0.74	0.54
		0.0	-0.74	3.00e-05	0.0	10.0	0.92	-5.44	7.45	1.30e-04	0.0	0.0
162	114	0.55	0.0	-3.52e-06	-0.06	0.0	1.92	-5.42	6.32	1.64e-04	-0.63	0.55
		0.0	-0.63	3.04e-05	0.0	10.0	1.92	-5.48	6.32	1.64e-04	0.0	0.0
164	2	2.99	2.85	-1.68e-04	-1.61	0.0	-9.30e-03	0.48	-1.15	2.53e-03	2.85	2.84
		2.19	0.51	2.98e-04	0.0	203.0	-9.30e-03	-1.12	-1.15	2.53e-03	0.51	2.19
164	3	0.75	0.45	-5.18e-05	-1.24	0.0	-2.37e-03	0.54	-0.28	8.95e-04	0.45	0.51
		0.35	-0.12	1.08e-04	0.0	203.0	-2.37e-03	-0.70	-0.28	8.95e-04	-0.12	0.35
164	7	0.73	0.42	-4.91e-05	-1.24	0.0	-3.09e-03	0.52	-0.35	1.28e-03	0.42	0.50
		0.30	-0.29	1.74e-04	0.0	203.0	-3.09e-03	-0.72	-0.35	1.28e-03	-0.29	0.30
164	9	0.76	0.47	-5.32e-05	-1.24	0.0	-2.01e-03	0.55	-0.25	7.02e-04	0.47	0.52
		0.37	-0.04	7.52e-05	0.0	203.0	-2.01e-03	-0.69	-0.25	7.02e-04	-0.04	0.37
164	10	2.09	1.97	-1.19e-04	-1.24	0.0	-6.37e-03	0.40	-0.79	1.73e-03	1.97	1.96
		1.52	0.36	2.00e-04	0.0	203.0	-6.37e-03	-0.84	-0.79	1.73e-03	0.36	1.52
164	11	0.75	0.45	-5.13e-05	-1.24	0.0	-2.49e-03	0.53	-0.29	9.59e-04	0.45	0.51
		0.34	-0.15	1.19e-04	0.0	203.0	-2.49e-03	-0.70	-0.29	9.59e-04	-0.15	0.34
164	13	0.79	0.49	-5.59e-05	-1.24	0.0	-1.28e-03	0.57	-0.18	3.17e-04	0.49	0.53
		0.42	0.12	-3.40e-05	0.0	203.0	-1.28e-03	-0.67	-0.18	3.17e-04	0.12	0.42
164	14	1.45	1.24	-8.85e-05	-1.24	0.0	-3.46e-03	0.49	-0.45	8.32e-04	1.24	1.25
		0.99	0.32	7.18e-05	0.0	203.0	-3.46e-03	-0.74	-0.45	8.32e-04	0.32	0.99
164	15	0.78	0.48	-5.50e-05	-1.24	0.0	-1.52e-03	0.56	-0.20	4.46e-04	0.48	0.52
		0.41	0.07	3.13e-05	0.0	203.0	-1.52e-03	-0.68	-0.20	4.46e-04	0.07	0.41
164	17	0.79	0.49	-5.59e-05	-1.24	0.0	-1.28e-03	0.57	-0.18	3.17e-04	0.49	0.53
		0.42	0.12	-3.40e-05	0.0	203.0	-1.28e-03	-0.67	-0.18	3.17e-04	0.12	0.42
164	18	1.18	0.94	-7.55e-05	-1.24	0.0	-2.59e-03	0.52	-0.34	6.26e-04	0.94	0.96
		0.77	0.24	-5.39e-05	0.0	203.0	-2.59e-03	-0.71	-0.34	6.26e-04	0.24	0.77
164	22	1.22	0.81	-4.00e-04	-1.24	0.0	-1.67	0.31	-0.28	2.03e-03	0.81	1.13
		0.54	0.26	5.89e-04	0.0	203.0	-1.67	-0.92	-0.28	2.03e-03	0.26	0.54
164	23	1.21	1.09	2.99e-04	-1.24	0.0	1.73	0.74	-0.41	-7.35e-04	1.09	0.80
		0.80	0.22	-4.87e-04	0.0	203.0	1.73	-0.50	-0.41	-7.35e-04	0.22	0.99
164	26	1.21	0.80	-3.97e-04	-1.24	0.0	-1.74	0.31	-0.28	1.99e-03	0.80	1.12
		0.54	0.27	5.81e-04	0.0	203.0	-1.74	-0.93	-0.28	1.99e-03	0.27	0.54
164	36	1.10	0.86	5.49e-05	-1.24	0.0	0.57	0.52	-0.52	1.81e-03	0.86	0.82
		0.74	-0.10	1.40e-04	0.0	203.0	0.57	-0.71	-0.52	1.81e-03	-0.10	0.74
164	43	1.27	1.10	4.68e-05	-1.24	0.0	0.66	0.65	-0.24	-9.78e-04	1.10	1.00
		0.91	0.49	-3.03e-04	0.0	203.0	0.66	-0.58	-0.24	-9.78e-04	0.49	0.91
164	45	1.29	1.04	-1.65e-04	-1.24	0.0	-0.36	0.54	-0.18	-3.98e-04	1.04	1.12
		0.79	0.55	-1.07e-04	0.0	203.0	-0.36	-0.70	-0.18	-3.98e-04	0.55	0.79
164	54	1.19	0.85	-3.04e-04	-1.24	0.0	-1.22	0.39	-0.32	1.72e-03	0.85	1.05
		0.62	0.24	4.51e-04	0.0	203.0	-1.22	-0.84	-0.32	1.72e-03	0.24	0.62
164	55	1.20	1.04	2.03e-04	-1.24	0.0	1.27	0.66	-0.37	-4.24e-04	1.04	0.87
		0.87	0.24	-3.51e-04	0.0	203.0	1.27	-0.58	-0.37	-4.24e-04	0.24	0.91
164	58	1.19	0.85	-3.02e-04	-1.24	0.0	-1.27	0.39	-0.32	1.68e-03	0.85	1.05
		0.62	0.25	4.44e-04	0.0	203.0	-1.27	-0.85	-0.32	1.68e-03	0.25	0.62
164	68	1.11	0.87	-3.31e-05	-1.24	0.0	0.43	0.51	-0.48	1.70e-03	0.87	0.85
		0.73	-0.02	1.48e-04	0.0	203.0	0.43	-0.73	-0.48	1.70e-03	-0.02	0.73
164	75	1.26	1.07	-4.25e-05	-1.24	0.0	0.50	0.62	-0.25	-7.39e-04	1.07	1.01
		0.87	0.44	-2.45e-04	0.0	203.0	0.50	-0.62	-0.25	-7.39e-04	0.44	0.87
164	77	1.27	1.03	-1.39e-04	-1.24	0.0	-0.24	0.55	-0.21	-3.17e-04	1.03	1.08
		0.80	0.49	-1.09e-04	0.0	203.0	-0.24	-0.69	-0.21	-3.17e-04	0.49	0.80
164	84	1.12	0.86	-7.35e-05	-1.24	0.0	0.05	0.48	-0.45	1.78e-03	0.86	0.90
		0.70	0.03	2.30e-04	0.0	203.0	0.05	-0.76	-0.45	1.78e-03	0.03	0.70
164	85	1.25	1.04	-8.28e-05	-1.24	0.0	0.12	0.58	-0.24	-4.12e-04	1.04	1.04
		0.83	0.44	-1.55e-04	0.0	203.0	0.12	-0.66	-0.24	-4.12e-04	0.44	0.83
164	86	1.11	0.85	-6.82e-05	-1.24	0.0	-0.12	0.47	-0.45	1.66e-03	0.85	0.88
		0.71	0.05	2.10e-04	0.0	203.0	-0.12	-0.77	-0.45	1.66e-03	0.05	0.71
164	90	1.24	0.77	-4.70e-04	-1.24	0.0	-2.00	0.25	-0.26	2.29e-03	0.77	1.18
		0.48	0.28	6.92e-04	0.0	203.0	-2.00	-0.98	-0.26	2.29e-03	0.28	0.48
164	91	1.23	1.12	3.68e-04	-1.24	0.0	2.07	0.80	-0.43	-9.79e-04	1.12	0.74
		0.74	0.20	-5.89e-04	0.0	203.0	2.07	-0.44	-0.43	-9.79e-04	0.20	1.05
164	94	1.24	0.76	-4.66e-04	-1.24	0.0	-2.08	0.25	-0.26	2.23e-03	0.76	1.17
		0.48	0.29	6.82e-04	0.0	203.0	-2.08	-0.99	-0.26	2.23e-03	0.29	0.48
164	104	1.09	0.85	7.54e-05	-1.24	0.0	0.68	0.53	-0.55	1.95e-03	0.85	0.80
		0.75	-0.16	1.45e-04	0.0	203.0	0.68	-0.71	-0.55	1.95e-03	-0.16	0.75
164	111	1.28	1.13	6.61e-05	-1.24	0.0	0.78	0.68	-0.23	-1.21e-03	1.13	1.00
		0.94	0.52	-3.57e-04	0.0	203.0	0.78	-0.56	-0.23	-1.21e-03	0.52	0.94
164	113	1.30	1.05	-1.86e-04	-1.24	0.0	-0.44	0.53	-0.15	-5.17e-04	1.05	1.15
		0.78	0.61	-1.11e-04	0.0	203.0	-0.44	-0.71	-0.15	-5.17e-04	0.61	0.78
175	2	4.71	2.69	-1.57e-04	-10.84	0.0	0.02	5.05	1.10	-0.05	0.46	2.33

175	7	1.58	0.46	5.76e-03	0.0	203.0	0.02	-5.79	1.10	-0.05	2.69	1.58
		2.63	0.93	-7.36e-05	-8.34	0.0	-6.36e-03	4.22	-0.21	-0.03	0.93	0.46
		0.46	0.51	-1.01e-03	0.0	203.0	-6.36e-03	-4.12	-0.21	-0.03	0.51	0.57
175	10	3.51	1.85	-1.18e-04	-8.34	0.0	0.02	3.91	0.76	-0.03	0.30	1.65
		1.13	0.30	3.99e-03	0.0	203.0	0.02	-4.43	0.76	-0.03	1.85	1.13
175	11	2.68	0.61	-8.16e-05	-8.34	0.0	-2.35e-03	4.18	-0.07	-0.02	0.61	0.55
		0.55	0.48	-2.94e-04	0.0	203.0	-2.35e-03	-4.16	-0.07	-0.02	0.48	0.58
175	14	3.18	1.11	-1.14e-04	-8.34	0.0	0.01	3.98	0.57	-0.01	-0.05	1.25
		0.87	-0.05	2.99e-03	0.0	203.0	0.01	-4.36	0.57	-0.01	1.11	0.87
175	15	2.76	0.43	-9.53e-05	-8.34	0.0	4.06e-03	4.12	0.16	-8.25e-03	0.11	0.70
		0.59	0.11	8.46e-04	0.0	203.0	4.06e-03	-4.22	0.16	-8.25e-03	0.43	0.59
175	17	2.78	0.42	-9.89e-05	-8.34	0.0	5.66e-03	4.10	0.21	-5.36e-03	-0.02	0.74
		0.60	-0.02	1.13e-03	0.0	203.0	5.66e-03	-4.24	0.21	-5.36e-03	0.42	0.60
175	18	3.02	0.83	-1.08e-04	-8.34	0.0	0.01	4.03	0.43	-0.01	-0.04	1.05
		0.76	-0.04	2.25e-03	0.0	203.0	0.01	-4.31	0.43	-0.01	0.83	0.76
175	20	2.99	0.69	-1.49e-04	-8.34	0.0	0.74	3.85	0.38	-0.01	-0.03	1.20
		0.52	-0.03	1.26e-03	0.0	203.0	0.74	-4.50	0.38	-0.01	0.69	0.52
175	32	2.98	0.73	-1.41e-04	-8.34	0.0	2.48	3.90	0.40	-9.97e-03	-0.02	1.14
		0.57	-0.02	1.21e-03	0.0	203.0	2.48	-4.45	0.40	-9.97e-03	0.73	0.57
175	33	3.07	0.93	8.28e-05	-8.34	0.0	-2.46	4.17	0.46	-0.01	-0.05	0.95
		0.95	-0.05	3.28e-03	0.0	203.0	-2.46	-4.18	0.46	-0.01	0.93	0.95
175	37	3.18	1.22	-1.34e-04	-8.34	0.0	-0.13	3.98	0.63	-0.02	-0.11	1.21
		0.91	-0.11	3.61e-03	0.0	203.0	-0.13	-4.36	0.63	-0.02	1.22	0.91
175	43	3.20	1.09	-1.59e-04	-8.34	0.0	0.11	3.84	0.58	-0.02	-0.14	1.39
		0.76	-0.14	3.74e-03	0.0	203.0	0.11	-4.51	0.58	-0.02	1.09	0.76
175	47	3.19	1.09	-1.56e-04	-8.34	0.0	0.61	3.85	0.58	-0.02	-0.14	1.37
		0.77	-0.14	3.78e-03	0.0	203.0	0.61	-4.49	0.58	-0.02	1.09	0.77
175	52	2.98	0.71	-1.35e-04	-8.34	0.0	0.57	3.93	0.39	-0.01	-0.03	1.13
		0.61	-0.03	1.53e-03	0.0	203.0	0.57	-4.42	0.39	-0.01	0.71	0.61
175	64	2.98	0.75	-1.30e-04	-8.34	0.0	1.83	3.96	0.40	-0.01	-0.02	1.09
		0.64	-0.02	1.49e-03	0.0	203.0	1.83	-4.39	0.40	-0.01	0.75	0.64
175	65	3.06	0.92	-8.74e-05	-8.34	0.0	-1.81	4.11	0.46	-0.01	-0.05	1.00
		0.88	-0.05	3.00e-03	0.0	203.0	-1.81	-4.24	0.46	-0.01	0.92	0.88
175	69	3.14	1.17	-1.33e-04	-8.34	0.0	-0.10	3.98	0.60	-0.02	-0.10	1.18
		0.87	-0.10	3.22e-03	0.0	203.0	-0.10	-4.36	0.60	-0.02	1.17	0.87
175	75	3.15	1.06	-1.51e-04	-8.34	0.0	0.08	3.89	0.56	-0.02	-0.12	1.30
		0.78	-0.12	3.34e-03	0.0	203.0	0.08	-4.45	0.56	-0.02	1.06	0.78
175	79	3.15	1.06	-1.48e-04	-8.34	0.0	0.44	3.90	0.56	-0.02	-0.12	1.29
		0.78	-0.12	3.37e-03	0.0	203.0	0.44	-4.44	0.56	-0.02	1.06	0.78
175	83	3.13	1.13	-1.41e-04	-8.34	0.0	0.07	3.95	0.59	-0.02	-0.09	1.20
		0.82	-0.09	2.99e-03	0.0	203.0	0.07	-4.39	0.59	-0.02	1.13	0.82
175	84	2.91	0.54	-7.71e-05	-8.34	0.0	-0.05	4.11	0.27	-6.16e-03	0.02	0.89
		0.70	0.02	1.50e-03	0.0	203.0	-0.05	-4.23	0.27	-6.16e-03	0.54	0.70
175	85	3.14	1.05	-1.35e-04	-8.34	0.0	-0.09	3.94	0.55	-0.01	-0.11	1.23
		0.81	-0.11	3.34e-03	0.0	203.0	-0.09	-4.40	0.55	-0.01	1.05	0.81
175	86	2.90	0.62	-8.22e-05	-8.34	0.0	0.11	4.12	0.31	-6.74e-03	0.04	0.86
		0.71	0.04	1.15e-03	0.0	203.0	0.11	-4.22	0.31	-6.74e-03	0.62	0.71
175	88	2.99	0.67	-1.59e-04	-8.34	0.0	0.87	3.79	0.38	-0.01	-0.03	1.26
		0.45	-0.03	1.08e-03	0.0	203.0	0.87	-4.55	0.38	-0.01	0.67	0.45
175	100	2.97	0.72	-1.49e-04	-8.34	0.0	2.96	3.85	0.39	-9.88e-03	-0.02	1.18
		0.51	-0.02	1.02e-03	0.0	203.0	2.96	-4.49	0.39	-9.88e-03	0.72	0.51
175	101	3.07	0.95	9.74e-05	-8.34	0.0	-2.93	4.21	0.46	-0.01	-0.05	0.91
		0.91	-0.05	3.47e-03	0.0	203.0	-2.93	-4.13	0.46	-0.01	0.95	1.01
175	105	3.20	1.28	-1.36e-04	-8.34	0.0	-0.16	3.98	0.66	-0.02	-0.12	1.23
		0.94	-0.12	3.85e-03	0.0	203.0	-0.16	-4.36	0.66	-0.02	1.28	0.94
175	111	3.23	1.12	-1.67e-04	-8.34	0.0	0.13	3.80	0.60	-0.02	-0.16	1.45
		0.75	-0.16	4.01e-03	0.0	203.0	0.13	-4.55	0.60	-0.02	1.12	0.75
175	115	3.23	1.12	-1.63e-04	-8.34	0.0	0.73	3.81	0.60	-0.02	-0.16	1.44
		0.77	-0.16	4.04e-03	0.0	203.0	0.73	-4.53	0.60	-0.02	1.12	0.77
184	2	0.44	0.0	6.36e-05	-1.78	0.0	-5.63	0.95	6.35e-04	-9.39e-05	-1.43e-03	-0.12
		-0.12	-1.43e-03	-8.87e-05	0.0	225.0	-5.63	-0.84	6.35e-04	-9.39e-05	0.0	0.0
184	3	0.24	2.73e-04	4.17e-05	-1.37	0.0	-1.43	0.83	-1.21e-04	-6.69e-05	2.73e-04	-0.32
		-0.32	0.0	-1.96e-05	0.0	225.0	-1.43	-0.54	-1.21e-04	-6.69e-05	0.0	0.0
184	5	0.31	6.02e-04	6.77e-05	-1.78	0.0	-2.19	1.08	-2.68e-04	-1.05e-04	6.02e-04	-0.43
		-0.43	0.0	-2.85e-05	0.0	225.0	-2.19	-0.70	-2.68e-04	-1.05e-04	0.0	0.0
184	7	0.23	7.23e-04	6.62e-05	-1.37	0.0	-2.03	0.84	-3.21e-04	-9.97e-05	7.23e-04	-0.34
		-0.34	0.0	-2.51e-05	0.0	225.0	-2.03	-0.53	-3.21e-04	-9.97e-05	0.0	0.0
184	9	0.24	4.79e-05	2.94e-05	-1.37	0.0	-1.13	0.82	-2.13e-05	-5.05e-05	4.79e-05	-0.31
		-0.31	0.0	-1.68e-05	0.0	225.0	-1.13	-0.55	-2.13e-05	-5.05e-05	0.0	0.0
184	10	0.33	0.0	4.30e-05	-1.37	0.0	-3.82	0.74	4.47e-04	-6.50e-05	-1.01e-03	-0.12
		-0.12	-1.01e-03	-6.07e-05	0.0	225.0	-3.82	-0.63	4.47e-04	-6.50e-05	0.0	0.0
184	11	0.24	3.48e-04	4.57e-05	-1.37	0.0	-1.53	0.83	-1.55e-04	-7.24e-05	3.48e-04	-0.33
		-0.33	0.0	-2.05e-05	0.0	225.0	-1.53	-0.54	-1.55e-04	-7.24e-05	0.0	0.0
184	13	0.25	0.0	-6.73e-06	-1.37	0.0	-0.53	0.82	1.79e-04	-1.78e-05	-4.02e-04	-0.29
		-0.29	-4.02e-04	-1.13e-05	0.0	225.0	-0.53	-0.56	1.79e-04	-1.78e-05	0.0	0.0

184	14	0.29	0.0	1.16e-05	-1.37	0.0	-1.87	0.77	4.13e-04	-2.50e-05	-9.29e-04	-0.20
		-0.20	-9.29e-04	-3.33e-05	0.0	225.0	-1.87	-0.60	4.13e-04	-2.50e-05	0.0	0.0
184	15	0.25	0.0	1.30e-05	-1.37	0.0	-0.73	0.82	1.12e-04	-2.87e-05	-2.52e-04	-0.30
		-0.30	-2.52e-04	-1.32e-05	0.0	225.0	-0.73	-0.55	1.12e-04	-2.87e-05	0.0	0.0
184	17	0.25	0.0	-6.73e-06	-1.37	0.0	-0.53	0.82	1.79e-04	-1.78e-05	-4.02e-04	-0.29
		-0.29	-4.02e-04	-1.13e-05	0.0	225.0	-0.53	-0.56	1.79e-04	-1.78e-05	0.0	0.0
184	18	0.28	0.0	8.92e-06	-1.37	0.0	-1.34	0.79	3.19e-04	-2.21e-05	-7.18e-04	-0.24
		-0.24	-7.18e-04	-2.45e-05	0.0	225.0	-1.34	-0.58	3.19e-04	-2.21e-05	0.0	0.0
184	19	0.27	0.0	-2.00e-04	-1.37	0.0	4.60	0.79	1.60	0.01	-3.60	-0.24
		-0.24	-3.60	-3.03e-03	0.0	225.0	4.60	-0.58	1.60	0.01	0.0	0.0
184	22	0.28	3.60	2.18e-04	-1.37	0.0	-7.27	0.79	-1.60	-0.01	3.60	-0.23
		-0.23	0.0	2.98e-03	0.0	225.0	-7.27	-0.58	-1.60	-0.01	0.0	0.0
184	31	0.27	0.0	-1.19e-04	-1.37	0.0	2.43	0.79	1.91	-5.99e-03	-4.30	-0.25
		-0.25	-4.30	-2.22e-03	0.0	225.0	2.43	-0.58	1.91	-5.99e-03	0.0	0.0
184	34	0.28	4.30	1.37e-04	-1.37	0.0	-5.10	0.79	-1.91	5.95e-03	4.30	-0.23
		-0.23	0.0	2.17e-03	0.0	225.0	-5.10	-0.59	-1.91	5.95e-03	0.0	0.0
184	40	0.26	0.0	7.79e-05	-1.37	0.0	-2.65	0.81	0.55	-2.49e-03	-1.23	-0.28
		-0.28	-1.23	-6.19e-04	0.0	225.0	-2.65	-0.56	0.55	-2.49e-03	0.0	0.0
184	41	0.30	1.23	-6.01e-05	-1.37	0.0	-0.02	0.77	-0.55	2.44e-03	1.23	-0.19
		-0.19	0.0	5.70e-04	0.0	225.0	-0.02	-0.60	-0.55	2.44e-03	0.0	0.0
184	51	0.28	0.0	-1.48e-04	-1.37	0.0	3.09	0.79	1.17	7.59e-03	-2.63	-0.24
		-0.24	-2.63	-2.21e-03	0.0	225.0	3.09	-0.58	1.17	7.59e-03	0.0	0.0
184	54	0.28	2.62	1.65e-04	-1.37	0.0	-5.76	0.79	-1.17	-7.63e-03	2.62	-0.23
		-0.23	0.0	2.16e-03	0.0	225.0	-5.76	-0.58	-1.17	-7.63e-03	0.0	0.0
184	63	0.27	0.0	-8.83e-05	-1.37	0.0	1.50	0.79	1.39	-4.39e-03	-3.14	-0.24
		-0.24	-3.14	-1.60e-03	0.0	225.0	1.50	-0.58	1.39	-4.39e-03	0.0	0.0
184	66	0.28	3.14	1.06e-04	-1.37	0.0	-4.18	0.79	-1.39	4.35e-03	3.14	-0.23
		-0.23	0.0	1.56e-03	0.0	225.0	-4.18	-0.58	-1.39	4.35e-03	0.0	0.0
184	72	0.26	0.0	7.48e-05	-1.37	0.0	-2.67	0.81	0.39	-1.91e-03	-0.89	-0.27
		-0.27	-0.89	-4.41e-04	0.0	225.0	-2.67	-0.56	0.39	-1.91e-03	0.0	0.0
184	73	0.29	0.89	-5.69e-05	-1.37	0.0	-1.98e-03	0.77	-0.39	1.86e-03	0.89	-0.20
		-0.20	0.0	3.92e-04	0.0	225.0	-1.98e-03	-0.60	-0.39	1.86e-03	0.0	0.0
184	83	0.29	0.0	-7.06e-05	-1.37	0.0	0.49	0.78	0.02	4.10e-04	-0.04	-0.21
		-0.21	-0.04	-1.10e-04	0.0	225.0	0.49	-0.59	0.02	4.10e-04	0.0	0.0
184	84	0.26	0.04	8.85e-05	-1.37	0.0	-3.16	0.80	-0.02	-4.54e-04	0.04	-0.27
		-0.27	0.0	6.10e-05	0.0	225.0	-3.16	-0.57	-0.02	-4.54e-04	0.0	0.0
184	85	0.29	0.0	-5.74e-05	-1.37	0.0	0.23	0.78	0.04	9.16e-04	-0.09	-0.21
		-0.21	-0.09	3.48e-04	0.0	225.0	0.23	-0.59	0.04	9.16e-04	0.0	0.0
184	86	0.27	0.08	7.52e-05	-1.37	0.0	-2.90	0.80	-0.04	-9.61e-04	0.08	-0.26
		-0.26	0.0	-3.97e-04	0.0	225.0	-2.90	-0.57	-0.04	-9.61e-04	0.0	0.0
184	87	0.27	0.0	-2.40e-04	-1.37	0.0	5.73	0.79	1.92	0.01	-4.31	-0.24
		-0.24	-4.31	-3.63e-03	0.0	225.0	5.73	-0.58	1.92	0.01	0.0	0.0
184	90	0.28	4.31	2.57e-04	-1.37	0.0	-8.40	0.79	-1.92	-0.01	4.31	-0.23
		-0.23	0.0	3.58e-03	0.0	225.0	-8.40	-0.58	-1.92	-0.01	0.0	0.0
184	99	0.27	0.0	-1.42e-04	-1.37	0.0	3.12	0.80	2.28	-7.14e-03	-5.13	-0.25
		-0.25	-5.13	-2.65e-03	0.0	225.0	3.12	-0.58	2.28	-7.14e-03	0.0	0.0
184	102	0.28	5.13	1.60e-04	-1.37	0.0	-5.79	0.78	-2.28	7.10e-03	5.13	-0.22
		-0.22	0.0	2.60e-03	0.0	225.0	-5.79	-0.59	-2.28	7.10e-03	0.0	0.0
184	108	0.25	0.0	8.53e-05	-1.37	0.0	-2.76	0.81	0.65	-2.93e-03	-1.47	-0.29
		-0.29	-1.47	-7.41e-04	0.0	225.0	-2.76	-0.56	0.65	-2.93e-03	0.0	0.0
184	109	0.30	1.47	-6.75e-05	-1.37	0.0	0.09	0.77	-0.65	2.89e-03	1.47	-0.18
		-0.18	0.0	6.92e-04	0.0	225.0	0.09	-0.60	-0.65	2.89e-03	0.0	0.0
185	1	0.22	1.48e-04	1.82e-05	-1.78	0.0	0.24	1.18	-6.59e-05	-2.11e-05	1.48e-04	-0.66
		-0.66	0.0	-2.02e-05	0.0	225.0	0.24	-0.60	-6.59e-05	-2.11e-05	0.0	0.0
185	2	0.06	0.0	-5.25e-05	-1.78	0.0	2.95	1.46	6.37e-04	-4.46e-05	-1.43e-03	-1.29
		-1.29	-1.43e-03	-8.53e-05	0.0	225.0	2.95	-0.32	6.37e-04	-4.46e-05	0.0	0.0
185	7	0.17	7.20e-04	5.03e-05	-1.37	0.0	-0.63	0.92	-3.20e-04	-2.48e-05	7.20e-04	-0.53
		-0.53	0.0	-2.09e-05	0.0	225.0	-0.63	-0.45	-3.20e-04	-2.48e-05	0.0	0.0
185	9	0.17	4.49e-05	9.84e-06	-1.37	0.0	0.28	0.91	-1.99e-05	-1.52e-05	4.49e-05	-0.51
		-0.51	0.0	-1.49e-05	0.0	225.0	0.28	-0.46	-1.99e-05	-1.52e-05	0.0	0.0
185	10	0.06	0.0	-3.73e-05	-1.37	0.0	2.08	1.10	4.48e-04	-3.09e-05	-1.01e-03	-0.93
		-0.93	-1.01e-03	-5.83e-05	0.0	225.0	2.08	-0.27	4.48e-04	-3.09e-05	0.0	0.0
185	11	0.17	3.45e-04	2.78e-05	-1.37	0.0	-0.13	0.92	-1.53e-04	-1.95e-05	3.45e-04	-0.52
		-0.52	0.0	-1.76e-05	0.0	225.0	-0.13	-0.46	-1.53e-04	-1.95e-05	0.0	0.0
185	13	0.18	0.0	-1.73e-05	-1.37	0.0	0.88	0.90	1.80e-04	-8.88e-06	-4.05e-04	-0.49
		-0.49	-4.05e-04	-1.08e-05	0.0	225.0	0.88	-0.47	1.80e-04	-8.88e-06	0.0	0.0
185	14	0.11	0.0	-4.07e-05	-1.37	0.0	1.79	1.00	4.14e-04	-1.67e-05	-9.32e-04	-0.70
		-0.70	-9.32e-04	-3.26e-05	0.0	225.0	1.79	-0.37	4.14e-04	-1.67e-05	0.0	0.0
185	15	0.18	0.0	-9.95e-06	-1.37	0.0	0.68	0.91	1.13e-04	-1.10e-05	-2.55e-04	-0.49
		-0.49	-2.55e-04	-1.22e-05	0.0	225.0	0.68	-0.47	1.13e-04	-1.10e-05	0.0	0.0
185	17	0.18	0.0	-1.73e-05	-1.37	0.0	0.88	0.90	1.80e-04	-8.88e-06	-4.05e-04	-0.49
		-0.49	-4.05e-04	-1.08e-05	0.0	225.0	0.88	-0.47	1.80e-04	-8.88e-06	0.0	0.0
185	18	0.14	0.0	-3.12e-05	-1.37	0.0	1.42	0.96	3.21e-04	-1.36e-05	-7.21e-04	-0.61
		-0.61	-7.21e-04	-2.39e-05	0.0	225.0	1.42	-0.41	3.21e-04	-1.36e-05	0.0	0.0
185	24	0.15	0.0	2.01e-04	-1.37	0.0	-4.59	0.94	1.58	0.01	-3.56	-0.58

185	25	-0.58	-3.56	-3.15e-03	0.0	225.0	-4.59	-0.43	1.58	0.01	0.0	0.0
		0.13	3.55	-2.64e-04	-1.37	0.0	7.44	0.97	-1.58	-0.01	3.55	-0.65
		-0.65	0.0	3.10e-03	0.0	225.0	7.44	-0.40	-1.58	-0.01	0.0	0.0
185	31	0.14	0.0	4.53e-05	-1.37	0.0	-1.33	0.96	1.91	-3.53e-03	-4.30	-0.61
		-0.61	-4.30	-2.22e-03	0.0	225.0	-1.33	-0.41	1.91	-3.53e-03	0.0	0.0
185	34	0.14	4.30	-1.08e-04	-1.37	0.0	4.18	0.96	-1.91	3.50e-03	4.30	-0.62
		-0.62	0.0	2.17e-03	0.0	225.0	4.18	-0.41	-1.91	3.50e-03	0.0	0.0
185	48	0.16	0.0	1.36e-04	-1.37	0.0	-1.61	0.93	0.52	-2.62e-03	-1.17	-0.56
		-0.56	-1.17	-1.23e-03	0.0	225.0	-1.61	-0.44	0.52	-2.62e-03	0.0	0.0
185	49	0.12	1.17	-1.98e-04	-1.37	0.0	4.46	0.98	-0.52	2.59e-03	1.17	-0.67
		-0.67	0.0	1.18e-03	0.0	225.0	4.46	-0.39	-0.52	2.59e-03	0.0	0.0
185	56	0.15	0.0	1.44e-04	-1.37	0.0	-3.04	0.95	1.15	8.76e-03	-2.58	-0.59
		-0.59	-2.58	-2.31e-03	0.0	225.0	-3.04	-0.42	1.15	8.76e-03	0.0	0.0
185	57	0.13	2.58	-2.06e-04	-1.37	0.0	5.89	0.97	-1.15	-8.79e-03	2.58	-0.64
		-0.64	0.0	2.26e-03	0.0	225.0	5.89	-0.40	-1.15	-8.79e-03	0.0	0.0
185	63	0.14	0.0	1.87e-05	-1.37	0.0	-0.49	0.96	1.39	-2.60e-03	-3.14	-0.61
		-0.61	-3.14	-1.61e-03	0.0	225.0	-0.49	-0.41	1.39	-2.60e-03	0.0	0.0
185	66	0.14	3.14	-8.12e-05	-1.37	0.0	3.34	0.96	-1.39	2.57e-03	3.14	-0.62
		-0.62	0.0	1.56e-03	0.0	225.0	3.34	-0.41	-1.39	2.57e-03	0.0	0.0
185	80	0.15	0.0	1.09e-04	-1.37	0.0	-1.09	0.94	0.37	-2.14e-03	-0.84	-0.57
		-0.57	-0.84	-9.51e-04	0.0	225.0	-1.09	-0.43	0.37	-2.14e-03	0.0	0.0
185	81	0.12	0.84	-1.72e-04	-1.37	0.0	3.94	0.98	-0.37	2.11e-03	0.84	-0.66
		-0.66	0.0	9.03e-04	0.0	225.0	3.94	-0.39	-0.37	2.11e-03	0.0	0.0
185	85	0.13	0.0	-1.35e-04	-1.37	0.0	3.03	0.98	0.04	1.10e-03	-0.09	-0.65
		-0.65	-0.09	3.48e-04	0.0	225.0	3.03	-0.40	0.04	1.10e-03	0.0	0.0
185	86	0.15	0.08	7.25e-05	-1.37	0.0	-0.18	0.94	-0.04	-1.13e-03	0.08	-0.58
		-0.58	0.0	-3.95e-04	0.0	225.0	-0.18	-0.43	-0.04	-1.13e-03	0.0	0.0
185	92	0.15	0.0	2.45e-04	-1.37	0.0	-5.75	0.94	1.89	0.01	-4.26	-0.58
		-0.58	-4.26	-3.77e-03	0.0	225.0	-5.75	-0.43	1.89	0.01	0.0	0.0
185	93	0.13	4.26	-3.08e-04	-1.37	0.0	8.59	0.97	-1.89	-0.01	4.26	-0.65
		-0.65	0.0	3.72e-03	0.0	225.0	8.59	-0.40	-1.89	-0.01	0.0	0.0
185	99	0.14	0.0	6.22e-05	-1.37	0.0	-1.90	0.96	2.28	-4.19e-03	-5.13	-0.61
		-0.61	-5.13	-2.65e-03	0.0	225.0	-1.90	-0.41	2.28	-4.19e-03	0.0	0.0
185	102	0.14	5.13	-1.25e-04	-1.37	0.0	4.75	0.96	-2.28	4.17e-03	5.13	-0.62
		-0.62	0.0	2.61e-03	0.0	225.0	4.75	-0.41	-2.28	4.17e-03	0.0	0.0
185	116	0.16	0.0	1.61e-04	-1.37	0.0	-2.08	0.93	0.63	-3.04e-03	-1.41	-0.55
		-0.55	-1.41	-1.44e-03	0.0	225.0	-2.08	-0.44	0.63	-3.04e-03	0.0	0.0
185	117	0.12	1.41	-2.24e-04	-1.37	0.0	4.93	0.99	-0.63	3.01e-03	1.41	-0.68
		-0.68	0.0	1.39e-03	0.0	225.0	4.93	-0.38	-0.63	3.01e-03	0.0	0.0
197	2	2.84	2.85	-2.95e-05	-0.08	0.0	-9.21e-03	28.45	28.49	2.53e-03	0.0	0.0
		0.0	0.0	-3.75e-05	0.0	10.0	-9.21e-03	28.37	28.49	2.53e-03	2.85	2.84
197	3	0.51	0.45	-7.73e-06	-0.06	0.0	-2.33e-03	5.16	4.51	8.95e-04	0.0	0.0
		0.0	0.0	-1.30e-06	0.0	10.0	-2.33e-03	5.10	4.51	8.95e-04	0.45	0.51
197	4	2.68	2.70	-2.71e-05	-0.06	0.0	-8.84e-03	26.86	27.01	2.44e-03	0.0	0.0
		0.0	0.0	-3.49e-05	0.0	10.0	-8.84e-03	26.80	27.01	2.44e-03	2.70	2.68
197	9	0.52	0.47	-7.88e-06	-0.06	0.0	-1.97e-03	5.20	4.65	7.02e-04	0.0	0.0
		0.0	0.0	-3.82e-06	0.0	10.0	-1.97e-03	5.14	4.65	7.02e-04	0.47	0.52
197	10	1.96	1.97	-2.08e-05	-0.06	0.0	-6.30e-03	19.67	19.65	1.73e-03	0.0	0.0
		0.0	0.0	-2.62e-05	0.0	10.0	-6.30e-03	19.61	19.65	1.73e-03	1.97	1.96
197	13	0.53	0.49	-8.18e-06	-0.06	0.0	-1.24e-03	5.28	4.93	3.17e-04	0.0	0.0
		0.0	0.0	-8.86e-06	0.0	10.0	-1.24e-03	5.22	4.93	3.17e-04	0.49	0.53
197	14	1.25	1.24	-1.46e-05	-0.06	0.0	-3.41e-03	12.52	12.43	8.32e-04	0.0	0.0
		0.0	0.0	-2.00e-05	0.0	10.0	-3.41e-03	12.46	12.43	8.32e-04	1.24	1.25
197	17	0.53	0.49	-8.18e-06	-0.06	0.0	-1.24e-03	5.28	4.93	3.17e-04	0.0	0.0
		0.0	0.0	-8.86e-06	0.0	10.0	-1.24e-03	5.22	4.93	3.17e-04	0.49	0.53
197	18	0.96	0.94	-1.20e-05	-0.06	0.0	-2.54e-03	9.62	9.43	6.26e-04	0.0	0.0
		0.0	0.0	-1.56e-05	0.0	10.0	-2.54e-03	9.56	9.43	6.26e-04	0.94	0.96
197	23	1.01	0.96	4.98e-06	-0.06	0.0	3.71	10.14	9.61	-7.35e-04	0.0	0.0
		0.0	0.0	-4.16e-05	0.0	10.0	3.71	10.08	9.61	-7.35e-04	0.96	1.01
197	24	0.95	0.88	5.18e-06	-0.06	0.0	3.48	9.54	8.85	5.36e-05	0.0	0.0
		0.0	0.0	-3.54e-05	0.0	10.0	3.48	9.48	8.85	5.36e-05	0.88	0.95
197	26	0.91	0.93	-2.91e-05	-0.06	0.0	-3.72	9.10	9.26	1.99e-03	0.0	0.0
		0.0	0.0	1.05e-05	0.0	10.0	-3.72	9.04	9.26	1.99e-03	0.93	0.91
197	39	1.04	1.05	-6.97e-06	-0.06	0.0	0.53	10.46	10.51	-9.73e-04	0.0	0.0
		0.0	0.0	-3.42e-05	0.0	10.0	0.53	10.40	10.51	-9.73e-04	1.05	1.04
197	43	1.07	1.06	-7.24e-06	-0.06	0.0	1.46	10.69	10.64	-9.78e-04	0.0	0.0
		0.0	0.0	-3.29e-05	0.0	10.0	1.46	10.63	10.64	-9.78e-04	1.06	1.07
197	45	1.05	1.08	-1.75e-05	-0.06	0.0	-0.70	10.56	10.77	-3.98e-04	0.0	0.0
		0.0	0.0	-1.91e-05	0.0	10.0	-0.70	10.50	10.77	-3.98e-04	1.08	1.05
197	55	1.00	0.96	0.0	-0.06	0.0	2.72	10.04	9.58	-4.24e-04	0.0	0.0
		0.0	0.0	-3.49e-05	0.0	10.0	2.72	9.98	9.58	-4.24e-04	0.96	1.00
197	56	0.95	0.90	0.0	-0.06	0.0	2.52	9.50	8.95	2.68e-04	0.0	0.0
		0.0	0.0	-2.95e-05	0.0	10.0	2.52	9.44	8.95	2.68e-04	0.90	0.95
197	58	0.92	0.93	-2.44e-05	-0.06	0.0	-2.73	9.21	9.28	1.68e-03	0.0	0.0
		0.0	0.0	3.73e-06	0.0	10.0	-2.73	9.15	9.28	1.68e-03	0.93	0.92

197	71	1.03	1.03	-8.34e-06	-0.06	0.0	0.36	10.36	10.35	-7.50e-04	0.0	0.0
		0.0	0.0	-3.08e-05	0.0	10.0	0.36	10.30	10.35	-7.50e-04	1.03	1.03
197	75	1.05	1.04	-8.59e-06	-0.06	0.0	1.12	10.55	10.43	-7.39e-04	0.0	0.0
		0.0	0.0	-2.95e-05	0.0	10.0	1.12	10.49	10.43	-7.39e-04	1.04	1.05
197	77	1.04	1.05	-1.60e-05	-0.06	0.0	-0.45	10.46	10.53	-3.17e-04	0.0	0.0
		0.0	0.0	-1.96e-05	0.0	10.0	-0.45	10.40	10.53	-3.17e-04	1.05	1.04
197	83	1.02	1.03	-1.20e-05	-0.06	0.0	-0.14	10.26	10.28	-5.28e-04	0.0	0.0
		0.0	0.0	-2.55e-05	0.0	10.0	-0.14	10.20	10.28	-5.28e-04	1.03	1.02
197	85	1.04	1.04	-1.23e-05	-0.06	0.0	0.30	10.42	10.37	-4.12e-04	0.0	0.0
		0.0	0.0	-2.36e-05	0.0	10.0	0.30	10.36	10.37	-4.12e-04	1.04	1.04
197	86	0.88	0.85	-1.18e-05	-0.06	0.0	-0.31	8.82	8.49	1.66e-03	0.0	0.0
		0.0	0.0	-7.50e-06	0.0	10.0	-0.31	8.76	8.49	1.66e-03	0.85	0.88
197	91	1.02	0.96	8.37e-06	-0.06	0.0	4.44	10.24	9.63	-9.79e-04	0.0	0.0
		0.0	0.0	-4.66e-05	0.0	10.0	4.44	10.18	9.63	-9.79e-04	0.96	1.02
197	92	0.95	0.87	8.61e-06	-0.06	0.0	4.18	9.56	8.74	-8.42e-05	0.0	0.0
		0.0	0.0	-3.95e-05	0.0	10.0	4.18	9.50	8.74	-8.42e-05	0.87	0.95
197	94	0.90	0.92	-3.25e-05	-0.06	0.0	-4.44	9.00	9.23	2.23e-03	0.0	0.0
		0.0	0.0	1.55e-05	0.0	10.0	-4.44	8.94	9.23	2.23e-03	0.92	0.90
197	107	1.05	1.07	-5.99e-06	-0.06	0.0	0.64	10.57	10.68	-1.20e-03	0.0	0.0
		0.0	0.0	-3.72e-05	0.0	10.0	0.64	10.51	10.68	-1.20e-03	1.07	1.05
197	111	1.08	1.08	-6.29e-06	-0.06	0.0	1.72	10.84	10.84	-1.21e-03	0.0	0.0
		0.0	0.0	-3.57e-05	0.0	10.0	1.72	10.78	10.84	-1.21e-03	1.08	1.08
197	113	1.06	1.10	-1.86e-05	-0.06	0.0	-0.86	10.67	10.99	-5.17e-04	0.0	0.0
		0.0	0.0	-1.92e-05	0.0	10.0	-0.86	10.61	10.99	-5.17e-04	1.10	1.06
198	2	2.19	0.51	1.92e-05	-0.08	0.0	-9.18e-03	-21.87	-5.14	2.53e-03	0.51	2.19
		0.0	0.0	4.63e-05	0.0	10.0	-9.18e-03	-21.95	-5.14	2.53e-03	0.0	0.0
198	3	0.35	0.0	3.39e-06	-0.06	0.0	-2.32e-03	-3.47	1.22	8.95e-04	-0.12	0.35
		0.0	-0.12	6.90e-06	0.0	10.0	-2.32e-03	-3.53	1.22	8.95e-04	0.0	0.0
198	7	0.30	0.0	3.21e-06	-0.06	0.0	-3.04e-03	-2.99	2.86	1.28e-03	-0.29	0.30
		0.0	-0.29	7.15e-06	0.0	10.0	-3.04e-03	-3.05	2.86	1.28e-03	0.0	0.0
198	9	0.37	0.0	3.49e-06	-0.06	0.0	-1.95e-03	-3.71	0.40	7.02e-04	-0.04	0.37
		0.0	-0.04	6.77e-06	0.0	10.0	-1.95e-03	-3.77	0.40	7.02e-04	0.0	0.0
198	10	1.52	0.36	1.33e-05	-0.06	0.0	-6.29e-03	-15.14	-3.59	1.73e-03	0.36	1.52
		0.0	0.0	3.17e-05	0.0	10.0	-6.29e-03	-15.20	-3.59	1.73e-03	0.0	0.0
198	11	0.34	0.0	3.36e-06	-0.06	0.0	-2.44e-03	-3.39	1.49	9.59e-04	-0.15	0.34
		0.0	-0.15	6.94e-06	0.0	10.0	-2.44e-03	-3.45	1.49	9.59e-04	0.0	0.0
198	13	0.42	0.12	3.67e-06	-0.06	0.0	-1.23e-03	-4.19	-1.24	3.17e-04	0.12	0.42
		0.0	0.0	6.51e-06	0.0	10.0	-1.23e-03	-4.25	-1.24	3.17e-04	0.0	0.0
198	14	0.99	0.32	8.58e-06	-0.06	0.0	-3.40e-03	-9.90	-3.24	8.32e-04	0.32	0.99
		0.0	0.0	1.90e-05	0.0	10.0	-3.40e-03	-9.96	-3.24	8.32e-04	0.0	0.0
198	17	0.42	0.12	3.67e-06	-0.06	0.0	-1.23e-03	-4.19	-1.24	3.17e-04	0.12	0.42
		0.0	0.0	6.51e-06	0.0	10.0	-1.23e-03	-4.25	-1.24	3.17e-04	0.0	0.0
198	18	0.76	0.24	6.62e-06	-0.06	0.0	-2.53e-03	-7.62	-2.44	6.26e-04	0.24	0.76
		0.0	0.0	1.40e-05	0.0	10.0	-2.53e-03	-7.68	-2.44	6.26e-04	0.0	0.0
198	24	0.72	0.19	2.39e-05	-0.06	0.0	-0.46	-7.13	-1.93	5.36e-05	0.19	0.72
		0.0	0.0	-6.98e-06	0.0	10.0	-0.46	-7.19	-1.93	5.36e-05	0.0	0.0
198	25	0.81	0.29	-1.07e-05	-0.06	0.0	0.45	-8.10	-2.94	1.20e-03	0.29	0.81
		0.0	0.0	3.50e-05	0.0	10.0	0.45	-8.16	-2.94	1.20e-03	0.0	0.0
198	28	0.72	0.19	2.31e-05	-0.06	0.0	-0.40	-7.14	-1.87	6.50e-04	0.19	0.72
		0.0	0.0	-3.15e-06	0.0	10.0	-0.40	-7.20	-1.87	6.50e-04	0.0	0.0
198	37	0.85	0.54	1.73e-06	-0.06	0.0	0.08	-8.50	-5.41	-5.57e-04	0.54	0.85
		0.0	0.0	1.31e-05	0.0	10.0	0.08	-8.57	-5.41	-5.57e-04	0.0	0.0
198	39	0.84	0.56	1.19e-05	-0.06	0.0	-0.17	-8.36	-5.62	-9.73e-04	0.56	0.84
		0.0	0.0	0.0	0.0	10.0	-0.17	-8.42	-5.62	-9.73e-04	0.0	0.0
198	42	0.69	0.0	1.38e-06	-0.06	0.0	0.17	-6.87	0.74	2.22e-03	-0.07	0.69
		0.0	-0.07	2.77e-05	0.0	10.0	0.17	-6.93	0.74	2.22e-03	0.0	0.0
198	56	0.73	0.20	1.92e-05	-0.06	0.0	-0.32	-7.25	-2.03	2.68e-04	0.20	0.73
		0.0	0.0	0.0	0.0	10.0	-0.32	-7.31	-2.03	2.68e-04	0.0	0.0
198	57	0.80	0.28	-5.92e-06	-0.06	0.0	0.32	-7.98	-2.85	9.84e-04	0.28	0.80
		0.0	0.0	2.87e-05	0.0	10.0	0.32	-8.04	-2.85	9.84e-04	0.0	0.0
198	60	0.73	0.20	1.86e-05	-0.06	0.0	-0.28	-7.25	-1.99	7.05e-04	0.20	0.73
		0.0	0.0	1.96e-06	0.0	10.0	-0.28	-7.31	-1.99	7.05e-04	0.0	0.0
198	69	0.84	0.48	3.10e-06	-0.06	0.0	0.05	-8.34	-4.80	-4.47e-04	0.48	0.84
		0.0	0.0	1.19e-05	0.0	10.0	0.05	-8.40	-4.80	-4.47e-04	0.0	0.0
198	71	0.83	0.50	1.05e-05	-0.06	0.0	-0.13	-8.24	-4.96	-7.50e-04	0.50	0.83
		0.0	0.0	2.63e-06	0.0	10.0	-0.13	-8.30	-4.96	-7.50e-04	0.0	0.0
198	74	0.70	0.0	2.78e-06	-0.06	0.0	0.12	-6.99	0.09	2.00e-03	-8.93e-03	0.70
		0.0	-8.93e-03	2.54e-05	0.0	10.0	0.12	-7.05	0.09	2.00e-03	0.0	0.0
198	83	0.83	0.46	6.81e-06	-0.06	0.0	-0.04	-8.22	-4.62	-5.28e-04	0.46	0.83
		0.0	0.0	7.59e-06	0.0	10.0	-0.04	-8.28	-4.62	-5.28e-04	0.0	0.0
198	84	0.70	0.03	6.42e-06	-0.06	0.0	0.03	-7.01	-0.26	1.78e-03	0.03	0.70
		0.0	0.0	2.04e-05	0.0	10.0	0.03	-7.07	-0.26	1.78e-03	0.0	0.0
198	85	0.82	0.44	6.36e-06	-0.06	0.0	0.07	-8.22	-4.41	-4.12e-04	0.44	0.82
		0.0	0.0	7.83e-06	0.0	10.0	0.07	-8.28	-4.41	-4.12e-04	0.0	0.0
198	86	0.70	0.05	6.88e-06	-0.06	0.0	-0.08	-7.02	-0.46	1.66e-03	0.05	0.70

		0.0	0.0	2.02e-05	0.0	10.0	-0.08	-7.08	-0.46	1.66e-03	0.0	0.0
198	92	0.71	0.19	2.73e-05	-0.06	0.0	-0.56	-7.03	-1.86	-8.42e-05	0.19	0.71
		0.0	0.0	-1.14e-05	0.0	10.0	-0.56	-7.09	-1.86	-8.42e-05	0.0	0.0
198	93	0.82	0.30	-1.41e-05	-0.06	0.0	0.56	-8.21	-3.02	1.34e-03	0.30	0.82
		0.0	0.0	3.94e-05	0.0	10.0	0.56	-8.27	-3.02	1.34e-03	0.0	0.0
198	96	0.71	0.18	2.63e-05	-0.06	0.0	-0.49	-7.05	-1.79	6.31e-04	0.18	0.71
		0.0	0.0	-6.65e-06	0.0	10.0	-0.49	-7.11	-1.79	6.31e-04	0.0	0.0
198	105	0.87	0.59	0.0	-0.06	0.0	0.10	-8.66	-5.90	-7.03e-04	0.59	0.87
		0.0	0.0	1.35e-05	0.0	10.0	0.10	-8.72	-5.90	-7.03e-04	0.0	0.0
198	107	0.85	0.61	1.29e-05	-0.06	0.0	-0.21	-8.48	-6.14	-1.20e-03	0.61	0.85
		0.0	0.0	-1.84e-06	0.0	10.0	-0.21	-8.54	-6.14	-1.20e-03	0.0	0.0
198	110	0.68	0.0	0.0	-0.06	0.0	0.20	-6.75	1.27	2.45e-03	-0.13	0.68
		0.0	-0.13	2.98e-05	0.0	10.0	0.20	-6.81	1.27	2.45e-03	0.0	0.0
200	1	0.67	0.51	-1.67e-05	-0.08	0.0	-0.04	6.76	5.10	8.10e-03	0.0	0.0
		0.0	0.0	1.22e-05	0.0	10.0	-0.04	6.68	5.10	8.10e-03	0.51	0.67
200	2	1.83	1.74	-2.52e-05	-0.08	0.0	-0.07	18.33	17.41	0.06	0.0	0.0
		0.0	0.0	1.26e-04	0.0	10.0	-0.07	18.25	17.41	0.06	1.74	1.83
200	3	0.51	0.43	-1.26e-05	-0.06	0.0	-0.03	5.08	4.33	5.07e-03	0.0	0.0
		0.0	0.0	5.44e-06	0.0	10.0	-0.03	5.02	4.33	5.07e-03	0.43	0.51
200	9	0.52	0.37	-1.29e-05	-0.06	0.0	-0.03	5.25	3.75	6.75e-03	0.0	0.0
		0.0	0.0	1.11e-05	0.0	10.0	-0.03	5.19	3.75	6.75e-03	0.37	0.52
200	10	1.29	1.19	-1.86e-05	-0.06	0.0	-0.05	12.96	11.95	0.04	0.0	0.0
		0.0	0.0	8.70e-05	0.0	10.0	-0.05	12.90	11.95	0.04	1.19	1.29
200	13	0.56	0.26	-1.35e-05	-0.06	0.0	-0.03	5.59	2.57	0.01	0.0	0.0
		0.0	0.0	2.26e-05	0.0	10.0	-0.03	5.53	2.57	0.01	0.26	0.56
200	14	0.94	0.67	-1.63e-05	-0.06	0.0	-0.04	9.45	6.67	0.03	0.0	0.0
		0.0	0.0	6.05e-05	0.0	10.0	-0.04	9.39	6.67	0.03	0.67	0.94
200	17	0.56	0.26	-1.35e-05	-0.06	0.0	-0.03	5.59	2.57	0.01	0.0	0.0
		0.0	0.0	2.26e-05	0.0	10.0	-0.03	5.53	2.57	0.01	0.26	0.56
200	18	0.79	0.50	-1.52e-05	-0.06	0.0	-0.03	7.91	5.03	0.02	0.0	0.0
		0.0	0.0	4.53e-05	0.0	10.0	-0.03	7.85	5.03	0.02	0.50	0.79
200	23	0.77	0.56	-1.75e-05	-0.06	0.0	-4.26	7.74	5.59	0.02	0.0	0.0
		0.0	0.0	4.70e-05	0.0	10.0	-4.26	7.68	5.59	0.02	0.56	0.77
200	29	0.85	0.52	-1.44e-05	-0.06	0.0	6.68	8.50	5.16	0.03	0.0	0.0
		0.0	0.0	5.89e-05	0.0	10.0	6.68	8.44	5.16	0.03	0.52	0.85
200	31	0.78	0.56	-1.65e-05	-0.06	0.0	-6.77	7.82	5.62	0.02	0.0	0.0
		0.0	0.0	4.83e-05	0.0	10.0	-6.77	7.76	5.62	0.02	0.56	0.78
200	34	0.80	0.44	-1.39e-05	-0.06	0.0	6.70	7.99	4.45	0.02	0.0	0.0
		0.0	0.0	4.23e-05	0.0	10.0	6.70	7.93	4.45	0.02	0.44	0.80
200	45	0.89	0.62	-1.54e-05	-0.06	0.0	1.07	8.95	6.24	0.03	0.0	0.0
		0.0	0.0	7.72e-05	0.0	10.0	1.07	8.89	6.24	0.03	0.62	0.89
200	47	0.87	0.64	-1.64e-05	-0.06	0.0	-2.19	8.71	6.35	0.03	0.0	0.0
		0.0	0.0	7.33e-05	0.0	10.0	-2.19	8.65	6.35	0.03	0.64	0.87
200	55	0.78	0.55	-1.69e-05	-0.06	0.0	-3.13	7.86	5.47	0.02	0.0	0.0
		0.0	0.0	4.70e-05	0.0	10.0	-3.13	7.79	5.47	0.02	0.55	0.78
200	61	0.83	0.51	-1.47e-05	-0.06	0.0	4.86	8.31	5.15	0.02	0.0	0.0
		0.0	0.0	5.56e-05	0.0	10.0	4.86	8.25	5.15	0.02	0.51	0.83
200	63	0.79	0.55	-1.62e-05	-0.06	0.0	-4.95	7.90	5.49	0.02	0.0	0.0
		0.0	0.0	4.79e-05	0.0	10.0	-4.95	7.84	5.49	0.02	0.55	0.79
200	66	0.79	0.46	-1.42e-05	-0.06	0.0	4.88	7.91	4.58	0.02	0.0	0.0
		0.0	0.0	4.27e-05	0.0	10.0	4.88	7.85	4.58	0.02	0.46	0.79
200	77	0.87	0.60	-1.55e-05	-0.06	0.0	0.76	8.70	6.00	0.03	0.0	0.0
		0.0	0.0	6.99e-05	0.0	10.0	0.76	8.64	6.00	0.03	0.60	0.87
200	79	0.85	0.61	-1.62e-05	-0.06	0.0	-1.62	8.55	6.09	0.03	0.0	0.0
		0.0	0.0	6.71e-05	0.0	10.0	-1.62	8.49	6.09	0.03	0.61	0.85
200	83	0.84	0.58	-1.60e-05	-0.06	0.0	0.02	8.46	5.83	0.03	0.0	0.0
		0.0	0.0	6.30e-05	0.0	10.0	0.02	8.40	5.83	0.03	0.58	0.84
200	85	0.85	0.59	-1.58e-05	-0.06	0.0	-0.15	8.54	5.94	0.03	0.0	0.0
		0.0	0.0	6.59e-05	0.0	10.0	-0.15	8.48	5.94	0.03	0.59	0.85
200	86	0.72	0.41	-1.46e-05	-0.06	0.0	0.08	7.28	4.12	0.01	0.0	0.0
		0.0	0.0	2.48e-05	0.0	10.0	0.08	7.22	4.12	0.01	0.41	0.72
200	91	0.76	0.57	-1.79e-05	-0.06	0.0	-5.09	7.66	5.70	0.02	0.0	0.0
		0.0	0.0	4.71e-05	0.0	10.0	-5.09	7.60	5.70	0.02	0.57	0.76
200	97	0.86	0.52	-1.43e-05	-0.06	0.0	7.98	8.65	5.17	0.03	0.0	0.0
		0.0	0.0	6.13e-05	0.0	10.0	7.98	8.59	5.17	0.03	0.52	0.86
200	99	0.77	0.57	-1.68e-05	-0.06	0.0	-8.07	7.76	5.72	0.02	0.0	0.0
		0.0	0.0	4.87e-05	0.0	10.0	-8.07	7.70	5.72	0.02	0.57	0.77
200	102	0.80	0.43	-1.36e-05	-0.06	0.0	8.01	8.05	4.34	0.02	0.0	0.0
		0.0	0.0	4.20e-05	0.0	10.0	8.01	7.99	4.34	0.02	0.43	0.80
200	113	0.91	0.65	-1.54e-05	-0.06	0.0	1.30	9.14	6.45	0.03	0.0	0.0
		0.0	0.0	8.27e-05	0.0	10.0	1.30	9.08	6.45	0.03	0.65	0.91
200	115	0.88	0.66	-1.65e-05	-0.06	0.0	-2.60	8.83	6.59	0.03	0.0	0.0
		0.0	0.0	7.80e-05	0.0	10.0	-2.60	8.77	6.59	0.03	0.66	0.88
201	2	2.33	0.46	-3.13e-05	-0.08	0.0	0.02	23.37	4.60	-0.05	0.0	0.0
		0.0	0.0	2.54e-04	0.0	10.0	0.02	23.29	4.60	-0.05	0.46	2.33

201	7	0.46	0.93	-1.38e-05	-0.06	0.0	-6.29e-03	4.65	9.30	-0.03	0.0	0.0
		0.0	0.0	-6.94e-05	0.0	10.0	-6.29e-03	4.59	9.30	-0.03	0.93	0.46
201	10	1.65	0.30	-2.32e-05	-0.06	0.0	0.02	16.57	3.05	-0.03	0.0	0.0
		0.0	0.0	1.77e-04	0.0	10.0	0.02	16.51	3.05	-0.03	0.30	1.65
201	11	0.55	0.61	-1.50e-05	-0.06	0.0	-2.28e-03	5.57	6.14	-0.02	0.0	0.0
		0.0	0.0	-2.87e-05	0.0	10.0	-2.28e-03	5.51	6.14	-0.02	0.61	0.55
201	14	1.25	0.0	-2.11e-05	-0.06	0.0	0.01	12.54	-0.46	-0.01	0.0	0.0
		0.0	-0.05	1.39e-04	0.0	10.0	0.01	12.48	-0.46	-0.01	-0.05	1.25
201	15	0.70	0.11	-1.70e-05	-0.06	0.0	4.13e-03	7.04	1.08	-8.25e-03	0.0	0.0
		0.0	0.0	3.64e-05	0.0	10.0	4.13e-03	6.98	1.08	-8.25e-03	0.11	0.70
201	17	0.74	0.0	-1.75e-05	-0.06	0.0	5.73e-03	7.41	-0.18	-5.36e-03	0.0	0.0
		0.0	-0.02	5.27e-05	0.0	10.0	5.73e-03	7.35	-0.18	-5.36e-03	-0.02	0.74
201	18	1.05	0.0	-1.97e-05	-0.06	0.0	0.01	10.49	-0.35	-0.01	0.0	0.0
		0.0	-0.04	1.04e-04	0.0	10.0	0.01	10.43	-0.35	-0.01	-0.04	1.05
201	32	0.95	0.0	-1.64e-05	-0.06	0.0	6.65	9.48	-0.21	-9.97e-03	0.0	0.0
		0.0	-0.02	4.89e-05	0.0	10.0	6.65	9.42	-0.21	-9.97e-03	-0.02	0.95
201	33	1.15	0.0	-2.30e-05	-0.06	0.0	-6.63	11.50	-0.49	-0.01	0.0	0.0
		0.0	-0.05	1.60e-04	0.0	10.0	-6.63	11.44	-0.49	-0.01	-0.05	1.15
201	35	1.27	0.0	-3.45e-05	-0.06	0.0	1.14	12.73	-1.21	-0.02	0.0	0.0
		0.0	-0.12	1.78e-04	0.0	10.0	1.14	12.67	-1.21	-0.02	-0.12	1.27
201	45	1.33	0.0	-9.56e-06	-0.06	0.0	-1.23	13.31	-1.34	-0.02	0.0	0.0
		0.0	-0.13	2.14e-04	0.0	10.0	-1.23	13.25	-1.34	-0.02	-0.13	1.33
201	47	1.32	0.0	-2.11e-05	-0.06	0.0	1.71	13.19	-1.44	-0.02	0.0	0.0
		0.0	-0.14	1.97e-04	0.0	10.0	1.71	13.13	-1.44	-0.02	-0.14	1.32
201	50	0.78	0.07	-1.82e-05	-0.06	0.0	-1.69	7.79	0.74	-4.88e-03	0.0	0.0
		0.0	0.0	1.18e-05	0.0	10.0	-1.69	7.73	0.74	-4.88e-03	0.07	0.78
201	64	0.97	0.0	-1.72e-05	-0.06	0.0	4.86	9.74	-0.23	-0.01	0.0	0.0
		0.0	-0.02	6.30e-05	0.0	10.0	4.86	9.68	-0.23	-0.01	-0.02	0.97
201	65	1.12	0.0	-2.21e-05	-0.06	0.0	-4.84	11.24	-0.47	-0.01	0.0	0.0
		0.0	-0.05	1.46e-04	0.0	10.0	-4.84	11.18	-0.47	-0.01	-0.05	1.12
201	67	1.22	0.0	-3.08e-05	-0.06	0.0	0.85	12.22	-1.03	-0.02	0.0	0.0
		0.0	-0.10	1.61e-04	0.0	10.0	0.85	12.16	-1.03	-0.02	-0.10	1.22
201	77	1.26	0.0	-1.25e-05	-0.06	0.0	-0.94	12.64	-1.13	-0.01	0.0	0.0
		0.0	-0.11	1.88e-04	0.0	10.0	-0.94	12.58	-1.13	-0.01	-0.11	1.26
201	79	1.25	0.0	-2.10e-05	-0.06	0.0	1.22	12.57	-1.20	-0.02	0.0	0.0
		0.0	-0.12	1.75e-04	0.0	10.0	1.22	12.50	-1.20	-0.02	-0.12	1.25
201	82	0.84	0.05	-1.84e-05	-0.06	0.0	-1.20	8.42	0.50	-6.07e-03	0.0	0.0
		0.0	0.0	3.35e-05	0.0	10.0	-1.20	8.35	0.50	-6.07e-03	0.05	0.84
201	83	1.20	0.0	-2.15e-05	-0.06	0.0	0.12	12.06	-0.93	-0.02	0.0	0.0
		0.0	-0.09	1.60e-04	0.0	10.0	0.12	12.00	-0.93	-0.02	-0.09	1.20
201	85	1.23	0.0	-2.13e-05	-0.06	0.0	-0.19	12.37	-1.08	-0.01	0.0	0.0
		0.0	-0.11	1.73e-04	0.0	10.0	-0.19	12.31	-1.08	-0.01	-0.11	1.23
201	86	0.86	0.04	-1.80e-05	-0.06	0.0	0.22	8.61	0.38	-6.74e-03	0.0	0.0
		0.0	0.0	3.64e-05	0.0	10.0	0.22	8.55	0.38	-6.74e-03	0.04	0.86
201	100	0.93	0.0	-1.58e-05	-0.06	0.0	7.93	9.29	-0.19	-9.88e-03	0.0	0.0
		0.0	-0.02	3.89e-05	0.0	10.0	7.93	9.23	-0.19	-9.88e-03	-0.02	0.93
201	101	1.17	0.0	-2.35e-05	-0.06	0.0	-7.91	11.69	-0.51	-0.01	0.0	0.0
		0.0	-0.05	1.70e-04	0.0	10.0	-7.91	11.63	-0.51	-0.01	-0.05	1.17
201	103	1.31	0.0	-3.73e-05	-0.06	0.0	1.35	13.09	-1.36	-0.02	0.0	0.0
		0.0	-0.14	1.90e-04	0.0	10.0	1.35	13.03	-1.36	-0.02	-0.14	1.31
201	113	1.38	0.0	-7.47e-06	-0.06	0.0	-1.46	13.79	-1.51	-0.02	0.0	0.0
		0.0	-0.15	2.33e-04	0.0	10.0	-1.46	13.73	-1.51	-0.02	-0.15	1.38
201	115	1.36	0.0	-2.13e-05	-0.06	0.0	2.05	13.63	-1.63	-0.02	0.0	0.0
		0.0	-0.16	2.13e-04	0.0	10.0	2.05	13.57	-1.63	-0.02	-0.16	1.36
201	118	0.73	0.09	-1.80e-05	-0.06	0.0	-2.03	7.35	0.92	-3.92e-03	0.0	0.0
		0.0	0.0	-3.56e-06	0.0	10.0	-2.03	7.29	0.92	-3.92e-03	0.09	0.73
217	2	2.95	-0.46	-1.08e-04	-1.61	0.0	7.05e-03	1.11	-1.10	-2.13e-04	-0.46	2.18
		2.18	-2.69	3.83e-04	0.0	203.0	7.05e-03	-0.50	-1.10	-2.13e-04	-2.69	2.79
217	3	0.85	-0.47	3.39e-05	-1.24	0.0	6.24e-04	0.61	0.04	-3.80e-04	-0.55	0.55
		0.52	-0.55	5.41e-05	0.0	203.0	6.24e-04	-0.63	0.04	-3.80e-04	-0.47	0.52
217	7	0.91	-0.51	3.50e-05	-1.24	0.0	4.19e-04	0.56	0.21	-6.72e-04	-0.93	0.66
		0.53	-0.93	-9.01e-05	0.0	203.0	4.19e-04	-0.68	0.21	-6.72e-04	-0.51	0.53
217	9	0.82	-0.36	3.33e-05	-1.24	0.0	7.27e-04	0.63	-0.05	-2.34e-04	-0.36	0.49
		0.49	-0.45	5.98e-05	0.0	203.0	7.27e-04	-0.61	-0.05	-2.34e-04	-0.45	0.51
217	10	2.07	-0.30	-7.38e-05	-1.24	0.0	4.83e-03	0.83	-0.76	-1.35e-04	-0.30	1.50
		1.50	-1.85	2.67e-04	0.0	203.0	4.83e-03	-0.41	-0.76	-1.35e-04	-1.85	1.93
217	11	0.86	-0.48	3.40e-05	-1.24	0.0	5.90e-04	0.60	0.07	-4.29e-04	-0.61	0.56
		0.52	-0.61	5.31e-05	0.0	203.0	5.90e-04	-0.64	0.07	-4.29e-04	-0.48	0.52
217	13	0.76	0.02	3.21e-05	-1.24	0.0	9.33e-04	0.68	-0.21	5.79e-05	0.02	0.38
		0.38	-0.42	9.32e-05	0.0	203.0	9.33e-04	-0.56	-0.21	5.79e-05	-0.42	0.50
217	14	1.38	0.05	-4.35e-05	-1.24	0.0	2.98e-03	0.78	-0.57	1.08e-04	0.05	0.89
		0.89	-1.11	2.00e-04	0.0	203.0	2.98e-03	-0.46	-0.57	1.08e-04	-1.11	1.21
217	15	0.78	-0.11	3.25e-05	-1.24	0.0	8.65e-04	0.66	-0.16	-3.95e-05	-0.11	0.42
		0.42	-0.43	7.73e-05	0.0	203.0	8.65e-04	-0.57	-0.16	-3.95e-05	-0.43	0.51
217	17	0.76	0.02	3.21e-05	-1.24	0.0	9.33e-04	0.68	-0.21	5.79e-05	0.02	0.38

217	18	0.38	-0.42	9.32e-05	0.0	203.0	9.33e-04	-0.56	-0.21	5.79e-05	-0.42	0.50
		1.13	0.04	-3.23e-05	-1.24	0.0	2.16e-03	0.74	-0.43	8.78e-05	0.04	0.68
		0.68	-0.83	1.57e-04	0.0	203.0	2.16e-03	-0.50	-0.43	8.78e-05	-0.83	0.93
217	21	1.16	0.04	-3.23e-04	-1.24	0.0	1.73	0.96	-0.37	1.43e-03	0.04	0.45
		0.45	-0.67	6.82e-04	0.0	203.0	1.73	-0.28	-0.37	1.43e-03	-0.67	1.09
217	23	1.10	0.30	3.78e-04	-1.24	0.0	-1.75	0.57	-0.60	-5.07e-04	0.30	0.86
		0.70	-0.90	-2.72e-04	0.0	203.0	-1.75	-0.67	-0.60	-5.07e-04	-0.90	0.70
217	26	1.23	-0.22	-3.20e-04	-1.24	0.0	1.76	0.91	-0.25	6.83e-04	-0.22	0.51
		0.51	-0.77	5.68e-04	0.0	203.0	1.76	-0.32	-0.25	6.83e-04	-0.77	1.15
217	36	1.24	-0.34	1.35e-04	-1.24	0.0	-0.58	0.60	-0.28	-1.43e-03	-0.34	0.86
		0.86	-1.04	-1.83e-04	0.0	203.0	-0.58	-0.63	-0.28	-1.43e-03	-1.04	0.99
217	38	1.26	-0.40	-9.65e-05	-1.24	0.0	0.45	0.72	-0.22	-8.49e-04	-0.40	0.74
		0.74	-0.97	1.47e-04	0.0	203.0	0.45	-0.52	-0.22	-8.49e-04	-0.97	1.11
217	43	1.02	0.56	1.27e-04	-1.24	0.0	-0.66	0.75	-0.68	1.05e-03	0.56	0.64
		0.64	-0.72	1.96e-04	0.0	203.0	-0.66	-0.48	-0.68	1.05e-03	-0.72	0.77
217	53	1.13	0.06	-2.26e-04	-1.24	0.0	1.27	0.88	-0.40	1.12e-03	0.06	0.53
		0.53	-0.72	5.45e-04	0.0	203.0	1.27	-0.36	-0.40	1.12e-03	-0.72	1.01
217	55	1.10	0.22	2.82e-04	-1.24	0.0	-1.28	0.64	-0.55	-2.91e-04	0.22	0.78
		0.78	-0.87	-1.50e-04	0.0	203.0	-1.28	-0.60	-0.55	-2.91e-04	-0.87	0.78
217	58	1.19	-0.15	-2.25e-04	-1.24	0.0	1.29	0.84	-0.31	4.66e-04	-0.15	0.59
		0.59	-0.80	4.46e-04	0.0	203.0	1.29	-0.40	-0.31	4.66e-04	-0.80	1.07
217	68	1.23	-0.26	1.06e-04	-1.24	0.0	-0.43	0.64	-0.31	-1.22e-03	-0.26	0.82
		0.82	-1.00	-1.21e-04	0.0	203.0	-0.43	-0.60	-0.31	-1.22e-03	-1.00	1.00
217	70	1.24	-0.31	-7.69e-05	-1.24	0.0	0.32	0.71	-0.27	-7.92e-04	-0.31	0.74
		0.74	-0.96	1.31e-04	0.0	203.0	0.32	-0.53	-0.27	-7.92e-04	-0.96	1.07
217	75	1.04	0.44	9.99e-05	-1.24	0.0	-0.51	0.77	-0.62	9.68e-04	0.44	0.63
		0.63	-0.73	2.07e-04	0.0	203.0	-0.51	-0.47	-0.62	9.68e-04	-0.73	0.81
217	83	1.04	0.32	-2.87e-05	-1.24	0.0	0.06	0.80	-0.55	1.07e-03	0.32	0.60
		0.60	-0.70	2.96e-04	0.0	203.0	0.06	-0.44	-0.55	1.07e-03	-0.70	0.83
217	84	1.22	-0.25	-3.59e-05	-1.24	0.0	-0.05	0.68	-0.30	-8.94e-04	-0.25	0.77
		0.77	-0.97	7.48e-05	0.0	203.0	-0.05	-0.56	-0.30	-8.94e-04	-0.97	1.03
217	85	1.05	0.37	-3.11e-05	-1.24	0.0	-0.12	0.80	-0.58	1.07e-03	0.37	0.60
		0.60	-0.72	2.95e-04	0.0	203.0	-0.12	-0.44	-0.58	1.07e-03	-0.72	0.85
217	86	1.21	-0.30	3.38e-05	-1.24	0.0	0.12	0.68	-0.27	-8.95e-04	-0.30	0.76
		0.76	-0.94	7.74e-05	0.0	203.0	0.12	-0.56	-0.27	-8.95e-04	-0.94	1.00
217	89	1.19	0.03	-3.92e-04	-1.24	0.0	2.07	1.02	-0.35	1.67e-03	0.03	0.38
		0.38	-0.63	7.84e-04	0.0	203.0	2.07	-0.22	-0.35	1.67e-03	-0.63	1.14
217	91	1.10	0.35	4.47e-04	-1.24	0.0	-2.10	0.51	-0.64	-6.47e-04	0.35	0.91
		0.64	-0.93	-3.58e-04	0.0	203.0	-2.10	-0.73	-0.64	-6.47e-04	-0.93	0.64
217	94	1.26	-0.28	-3.90e-04	-1.24	0.0	2.10	0.97	-0.21	8.23e-04	-0.28	0.46
		0.46	-0.74	6.54e-04	0.0	203.0	2.10	-0.27	-0.21	8.23e-04	-0.74	1.22
217	104	1.26	-0.39	1.56e-04	-1.24	0.0	-0.69	0.58	-0.26	-1.65e-03	-0.39	0.89
		0.89	-1.07	-2.37e-04	0.0	203.0	-0.69	-0.66	-0.26	-1.65e-03	-1.07	0.99
217	106	1.29	-0.48	-1.12e-04	-1.24	0.0	0.54	0.73	-0.18	-9.51e-04	-0.48	0.73
		0.73	-0.99	1.54e-04	0.0	203.0	0.54	-0.51	-0.18	-9.51e-04	-0.99	1.15
217	111	1.01	0.65	1.47e-04	-1.24	0.0	-0.78	0.75	-0.73	1.16e-03	0.65	0.64
		0.64	-0.71	1.95e-04	0.0	203.0	-0.78	-0.49	-0.73	1.16e-03	-0.71	0.74
218	1	1.70	0.0	-1.32e-04	-7.64	0.0	-0.62	3.41	-0.14	-0.03	0.0	0.0
		-0.91	-0.31	1.86e-04	0.0	223.0	-0.62	-4.22	-0.14	-0.03	-0.31	-0.91
218	2	2.08	0.0	-2.57e-04	-7.64	0.0	-0.75	3.78	-0.18	-0.09	0.0	0.0
		-0.09	-0.41	1.73e-04	0.0	223.0	-0.75	-3.86	-0.18	-0.09	-0.41	-0.09
218	3	1.34	0.0	-1.12e-04	-5.87	0.0	-0.59	2.65	-0.13	-0.03	0.0	0.0
		-0.63	-0.30	1.80e-04	0.0	223.0	-0.59	-3.22	-0.13	-0.03	-0.30	-0.63
218	5	1.78	0.0	-1.61e-04	-7.64	0.0	-0.96	3.50	-0.21	-0.05	0.0	0.0
		-0.71	-0.48	2.92e-04	0.0	223.0	-0.96	-4.14	-0.21	-0.05	-0.48	-0.71
218	6	2.06	0.0	-2.49e-04	-7.64	0.0	-1.05	3.75	-0.24	-0.08	0.0	0.0
		-0.14	-0.54	2.83e-04	0.0	223.0	-1.05	-3.88	-0.24	-0.08	-0.54	-0.14
218	9	1.29	0.0	-9.76e-05	-5.87	0.0	-0.43	2.61	-0.10	-0.02	0.0	0.0
		-0.73	-0.21	1.27e-04	0.0	223.0	-0.43	-3.26	-0.10	-0.02	-0.21	-0.73
218	10	1.54	0.0	-1.79e-04	-5.87	0.0	-0.51	2.85	-0.12	-0.06	0.0	0.0
		-0.18	-0.28	1.18e-04	0.0	223.0	-0.51	-3.02	-0.12	-0.06	-0.28	-0.18
218	11	1.35	0.0	-1.16e-04	-5.87	0.0	-0.65	2.67	-0.15	-0.03	0.0	0.0
		-0.60	-0.32	1.98e-04	0.0	223.0	-0.65	-3.21	-0.15	-0.03	-0.32	-0.60
218	12	1.53	0.0	-1.74e-04	-5.87	0.0	-0.71	2.84	-0.17	-0.06	0.0	0.0
		-0.22	-0.37	1.92e-04	0.0	223.0	-0.71	-3.04	-0.17	-0.06	-0.37	-0.22
218	13	1.21	0.0	-7.18e-05	-5.87	0.0	-0.09	2.52	-0.02	-0.01	0.0	0.0
		-0.92	-0.04	2.01e-05	0.0	223.0	-0.09	-3.35	-0.02	-0.01	-0.04	-0.92
218	14	1.33	0.0	-1.08e-04	-5.87	0.0	-0.13	2.65	-0.03	-0.03	0.0	0.0
		-0.65	-0.08	1.70e-05	0.0	223.0	-0.13	-3.23	-0.03	-0.03	-0.08	-0.65
218	15	1.24	0.0	-8.00e-05	-5.87	0.0	-0.20	2.55	-0.05	-0.02	0.0	0.0
		-0.86	-0.10	5.56e-05	0.0	223.0	-0.20	-3.32	-0.05	-0.02	-0.10	-0.86
218	16	1.31	0.0	-1.02e-04	-5.87	0.0	-0.23	2.63	-0.05	-0.03	0.0	0.0
		-0.69	-0.12	5.31e-05	0.0	223.0	-0.23	-3.25	-0.05	-0.03	-0.12	-0.69
218	17	1.21	0.0	-7.18e-05	-5.87	0.0	-0.09	2.52	-0.02	-0.01	0.0	0.0
		-0.92	-0.04	2.01e-05	0.0	223.0	-0.09	-3.35	-0.02	-0.01	-0.04	-0.92

218	18	1.28	0.0	-9.30e-05	-5.87	0.0	-0.12	2.60	-0.03	-0.02	0.0	0.0
		-0.76	-0.06	-1.79e-05	0.0	223.0	-0.12	-3.28	-0.03	-0.02	-0.06	-0.76
218	23	1.66	0.0	-1.95e-04	-5.87	0.0	7.40	2.96	-1.35	-0.02	0.0	0.0
		0.0	-3.00	-3.76e-04	0.0	223.0	7.40	-2.91	-1.35	-0.02	-3.00	0.05
218	26	0.95	2.87	3.78e-05	-5.87	0.0	-7.64	2.24	1.29	-0.03	0.0	0.0
		-1.57	0.0	4.11e-04	0.0	223.0	-7.64	-3.64	1.29	-0.03	2.87	-1.57
218	32	1.97	0.0	-2.45e-04	-5.87	0.0	6.43	3.23	-1.63	-0.03	0.0	0.0
		0.0	-3.64	3.76e-04	0.0	223.0	6.43	-2.65	-1.63	-0.03	-3.64	0.64
218	33	0.73	3.52	8.52e-05	-5.87	0.0	-6.67	1.97	1.58	-0.02	0.0	0.0
		-2.16	0.0	-3.44e-04	0.0	223.0	-6.67	-3.91	1.58	-0.02	3.52	-2.16
218	55	1.56	0.0	-1.62e-04	-5.87	0.0	5.41	2.87	-0.97	-0.02	0.0	0.0
		-0.16	-2.16	-2.88e-04	0.0	223.0	5.41	-3.01	-0.97	-0.02	-2.16	-0.16
218	58	1.03	2.04	-3.55e-05	-5.87	0.0	-5.64	2.33	0.91	-0.02	0.0	0.0
		-1.36	0.0	3.23e-04	0.0	223.0	-5.64	-3.55	0.91	-0.02	2.04	-1.36
218	64	1.79	0.0	-2.08e-04	-5.87	0.0	4.58	3.07	-1.21	-0.03	0.0	0.0
		0.0	-2.70	2.91e-04	0.0	223.0	4.58	-2.80	-1.21	-0.03	-2.70	0.31
218	65	0.85	2.57	4.73e-05	-5.87	0.0	-4.82	2.12	1.15	-0.02	0.0	0.0
		-1.82	0.0	-2.60e-04	0.0	223.0	-4.82	-3.75	1.15	-0.02	2.57	-1.82
218	85	1.04	0.50	2.95e-05	-5.87	0.0	1.03	2.35	0.22	-0.01	0.0	0.0
		-1.31	0.0	-2.73e-04	0.0	223.0	1.03	-3.53	0.22	-0.01	0.50	-1.31
218	86	1.54	0.0	-1.84e-04	-5.87	0.0	-1.27	2.85	-0.28	-0.03	0.0	0.0
		-0.20	-0.63	3.09e-04	0.0	223.0	-1.27	-3.03	-0.28	-0.03	-0.63	-0.20
218	91	1.74	0.0	-2.19e-04	-5.87	0.0	8.86	3.03	-1.61	-0.02	0.0	0.0
		0.0	-3.60	-4.46e-04	0.0	223.0	8.86	-2.85	-1.61	-0.02	-3.60	0.20
218	94	0.89	3.47	6.28e-05	-5.87	0.0	-9.10	2.17	1.56	-0.03	0.0	0.0
		-1.72	0.0	4.81e-04	0.0	223.0	-9.10	-3.71	1.56	-0.03	3.47	-1.72
218	100	2.12	0.0	-2.74e-04	-5.87	0.0	7.73	3.34	-1.94	-0.03	0.0	0.0
		0.0	-4.32	4.40e-04	0.0	223.0	7.73	-2.53	-1.94	-0.03	-4.32	0.90
218	101	0.65	4.20	1.14e-04	-5.87	0.0	-7.97	1.85	1.88	-0.02	0.0	0.0
		-2.42	0.0	-4.09e-04	0.0	223.0	-7.97	-4.02	1.88	-0.02	4.20	-2.42
219	2	0.37	-0.19	3.34e-05	-5.41	0.0	-1.44	1.77	0.14	0.12	-0.40	-0.09
		-1.56	-0.40	-8.91e-05	0.0	158.0	-1.44	-3.64	0.14	0.12	-0.19	-1.56
219	3	0.10	-0.17	1.73e-05	-4.16	0.0	-1.11	1.75	0.08	6.35e-03	-0.30	-0.48
		-1.01	-0.30	-3.06e-05	0.0	158.0	-1.11	-2.42	0.08	6.35e-03	-0.17	-1.01
219	6	0.39	-0.28	3.60e-05	-5.41	0.0	-2.00	1.82	0.17	0.08	-0.54	-0.10
		-1.49	-0.54	-8.64e-05	0.0	158.0	-2.00	-3.59	0.17	0.08	-0.28	-1.49
219	8	0.42	-0.27	3.41e-05	-4.16	0.0	-1.96	1.25	0.17	0.07	-0.53	0.13
		-1.19	-0.53	-8.35e-05	0.0	158.0	-1.96	-2.92	0.17	0.07	-0.27	-1.19
219	9	0.05	-0.12	1.44e-05	-4.16	0.0	-0.79	1.80	0.06	0.01	-0.21	-0.57
		-1.01	-0.21	-2.36e-05	0.0	158.0	-0.79	-2.36	0.06	0.01	-0.12	-1.01
219	10	0.23	-0.13	2.32e-05	-4.16	0.0	-0.98	1.44	0.09	0.09	-0.28	-0.16
		-1.18	-0.28	-6.07e-05	0.0	158.0	-0.98	-2.72	0.09	0.09	-0.13	-1.18
219	12	0.24	-0.19	2.48e-05	-4.16	0.0	-1.35	1.47	0.11	0.06	-0.37	-0.16
		-1.13	-0.37	-5.89e-05	0.0	158.0	-1.35	-2.69	0.11	0.06	-0.19	-1.13
219	13	-0.05	-0.03	9.69e-06	-4.16	0.0	-0.14	1.92	0.01	0.02	-0.04	-0.75
		-1.00	-0.04	-9.62e-06	0.0	158.0	-0.14	-2.24	0.01	0.02	-0.03	-1.00
219	14	0.03	-0.03	1.30e-05	-4.16	0.0	-0.24	1.74	0.03	0.06	-0.08	-0.54
		-1.09	-0.08	-2.82e-05	0.0	158.0	-0.24	-2.43	0.03	0.06	-0.03	-1.09
219	16	0.03	-0.06	1.32e-05	-4.16	0.0	-0.41	1.77	0.04	0.04	-0.12	-0.57
		-1.06	-0.12	-2.54e-05	0.0	158.0	-0.41	-2.39	0.04	0.04	-0.06	-1.06
219	17	-0.05	-0.03	9.69e-06	-4.16	0.0	-0.14	1.92	0.01	0.02	-0.04	-0.75
		-1.00	-0.04	-9.62e-06	0.0	158.0	-0.14	-2.24	0.01	0.02	-0.03	-1.00
219	18	-3.63e-03	-0.03	1.16e-05	-4.16	0.0	-0.20	1.81	0.02	0.04	-0.06	-0.63
		-1.05	-0.06	-2.08e-05	0.0	158.0	-0.20	-2.35	0.02	0.04	-0.03	-1.05
219	23	0.86	3.24	2.25e-05	-4.16	0.0	5.32e-03	5.02	3.94	0.03	-3.00	-3.54
		-3.54	-3.00	-1.38e-03	0.0	158.0	5.32e-03	0.86	3.94	0.03	3.24	0.86
219	26	2.29	2.88	1.78e-05	-4.16	0.0	-0.40	-1.40	-3.90	0.06	2.88	2.29
		-2.97	-3.30	1.34e-03	0.0	158.0	-0.40	-5.56	-3.90	0.06	-3.30	-2.97
219	32	0.79	3.22	3.57e-05	-4.16	0.0	-1.27	3.80	4.35	0.04	-3.64	-2.17
		-2.17	-3.64	-1.29e-03	0.0	158.0	-1.27	-0.37	4.35	0.04	3.22	0.78
219	33	0.92	3.52	-1.71e-05	-4.16	0.0	0.88	-0.18	-4.31	0.05	3.52	0.92
		-2.89	-3.28	1.25e-03	0.0	158.0	0.88	-4.34	-4.31	0.05	-3.28	-2.89
219	36	0.32	0.36	3.13e-05	-4.16	0.0	-3.28	2.44	1.41	0.06	-1.64	-1.07
		-1.07	-1.64	-4.33e-04	0.0	158.0	-3.28	-1.73	1.41	0.06	0.36	-1.07
219	37	-0.02	1.51	-1.27e-05	-4.16	0.0	2.88	1.18	-1.37	0.03	1.51	-0.18
		-2.03	-0.42	3.92e-04	0.0	158.0	2.88	-2.98	-1.37	0.03	-0.42	-2.03
219	55	0.38	2.36	1.85e-05	-4.16	0.0	0.07	4.23	2.86	0.04	-2.16	-2.82
		-2.82	-2.16	-1.01e-03	0.0	158.0	0.07	0.07	2.86	0.04	2.36	0.38
219	58	1.57	2.04	1.63e-05	-4.16	0.0	-0.47	-0.61	-2.82	0.05	2.04	1.57
		-2.49	-2.42	9.65e-04	0.0	158.0	-0.47	-4.77	-2.82	0.05	-2.42	-2.49
219	64	0.43	2.32	2.94e-05	-4.16	0.0	-1.11	3.27	3.18	0.04	-2.70	-1.76
		-1.76	-2.70	-9.50e-04	0.0	158.0	-1.11	-0.89	3.18	0.04	2.32	0.32
219	65	0.52	2.57	-1.08e-05	-4.16	0.0	0.72	0.35	-3.14	0.05	2.57	0.51
		-2.43	-2.38	9.08e-04	0.0	158.0	0.72	-3.81	-3.14	0.05	-2.38	-2.43
219	68	0.25	0.16	2.65e-05	-4.16	0.0	-2.90	2.26	1.04	0.05	-1.29	-0.93

		-0.93	-1.29	-3.19e-04	0.0	158.0	-2.90	-1.90	1.04	0.05	0.16	-0.27
219	69	-0.08	1.17	-7.91e-06	-4.16	0.0	2.50	1.35	-1.00	0.03	1.17	-0.32
		-1.83	-0.22	2.77e-04	0.0	158.0	2.50	-2.81	-1.00	0.03	-0.22	-1.83
219	83	-0.29	0.42	8.58e-06	-4.16	0.0	2.11	2.02	-0.11	0.03	0.42	-0.91
		-1.34	0.42	-4.52e-05	0.0	158.0	2.11	-2.14	-0.11	0.03	0.42	-1.34
219	84	0.28	-0.48	2.46e-05	-4.16	0.0	-2.50	1.60	0.15	0.06	-0.55	-0.34
		-0.77	-0.55	3.07e-05	0.0	158.0	-2.50	-2.56	0.15	0.06	-0.48	-0.77
219	85	-0.37	0.50	1.11e-05	-4.16	0.0	1.99	2.18	-0.16	0.04	0.50	-0.99
		-1.42	0.28	5.05e-05	0.0	158.0	1.99	-1.98	-0.16	0.04	0.28	-1.42
219	86	0.36	-0.34	2.38e-05	-4.16	0.0	-2.38	1.43	0.20	0.05	-0.63	-0.26
		-0.69	-0.63	-9.20e-05	0.0	158.0	-2.38	-2.73	0.20	0.05	-0.34	-0.69
219	91	1.23	3.88	2.55e-05	-4.16	0.0	-4.51e-03	5.62	4.73	0.03	-3.60	-4.09
		-4.09	-3.60	-1.65e-03	0.0	158.0	-4.51e-03	1.45	4.73	0.03	3.88	1.23
219	94	2.84	3.47	1.88e-05	-4.16	0.0	-0.39	-2.00	-4.68	0.06	3.47	2.84
		-3.34	-3.94	1.61e-03	0.0	158.0	-0.39	-6.16	-4.68	0.06	-3.94	-3.34
219	100	1.13	3.86	4.04e-05	-4.16	0.0	-1.43	4.18	5.19	0.04	-4.33	-2.47
		-2.47	-4.33	-1.54e-03	0.0	158.0	-1.43	0.02	5.19	0.04	3.86	1.13
219	101	1.22	4.20	-2.18e-05	-4.16	0.0	1.04	-0.56	-5.15	0.05	4.20	1.22
		-3.23	-3.92	1.50e-03	0.0	158.0	1.04	-4.72	-5.15	0.05	-3.92	-3.23
219	104	0.40	0.47	3.49e-05	-4.16	0.0	-3.70	2.56	1.68	0.06	-1.91	-1.17
		-1.17	-1.91	-5.15e-04	0.0	158.0	-3.70	-1.60	1.68	0.06	0.47	0.88
219	105	0.02	1.78	-1.63e-05	-4.16	0.0	3.30	1.06	-1.64	0.03	1.78	-0.08
		-2.19	-0.53	4.74e-04	0.0	158.0	3.30	-3.10	-1.64	0.03	-0.53	-2.19
220	2	4.88	0.54	-3.04e-04	-10.84	0.0	3.39e-03	5.93	1.57	-7.91e-03	-2.64	1.59
		1.59	-2.64	8.16e-03	0.0	203.0	3.39e-03	-4.92	1.57	-7.91e-03	0.54	2.62
220	3	2.85	0.50	-1.48e-04	-8.34	0.0	0.01	4.31	0.45	3.85e-03	-0.41	0.60
		0.60	-0.41	2.36e-03	0.0	203.0	0.01	-4.03	0.45	3.85e-03	0.50	0.88
220	4	4.06	0.54	-2.69e-04	-8.34	0.0	1.14e-03	4.66	1.50	-7.22e-03	-2.50	1.42
		1.42	-2.50	7.82e-03	0.0	203.0	1.14e-03	-3.69	1.50	-7.22e-03	0.54	2.40
220	5	3.74	0.83	-2.01e-04	-10.84	0.0	0.02	5.62	0.66	7.27e-03	-0.52	0.78
		0.78	-0.52	3.52e-03	0.0	203.0	0.02	-5.22	0.66	7.27e-03	0.83	1.19
220	6	4.57	0.86	-2.87e-04	-10.84	0.0	8.90e-03	5.87	1.40	-4.86e-04	-1.98	1.36
		1.36	-1.98	7.33e-03	0.0	203.0	8.90e-03	-4.98	1.40	-4.86e-04	0.86	2.26
220	9	2.83	0.34	-1.39e-04	-8.34	0.0	9.98e-03	4.29	0.38	1.81e-03	-0.43	0.59
		0.59	-0.43	1.96e-03	0.0	203.0	9.98e-03	-4.05	0.38	1.81e-03	0.34	0.83
220	10	3.62	0.36	-2.18e-04	-8.34	0.0	3.26e-03	4.52	1.07	-5.58e-03	-1.82	1.14
		1.14	-1.82	5.59e-03	0.0	203.0	3.26e-03	-3.82	1.07	-5.58e-03	0.36	1.85
220	11	2.86	0.55	-1.50e-04	-8.34	0.0	0.01	4.32	0.47	4.54e-03	-0.41	0.60
		0.60	-0.41	2.50e-03	0.0	203.0	0.01	-4.03	0.47	4.54e-03	0.55	0.89
220	12	3.42	0.57	-2.07e-04	-8.34	0.0	6.93e-03	4.48	0.96	-6.30e-04	-1.38	0.98
		0.98	-1.38	5.04e-03	0.0	203.0	6.93e-03	-3.86	0.96	-6.30e-04	0.57	1.61
220	13	2.78	8.38e-03	-1.21e-04	-8.34	0.0	7.50e-03	4.24	0.23	-2.29e-03	-0.46	0.59
		0.59	-0.46	1.15e-03	0.0	203.0	7.50e-03	-4.10	0.23	-2.29e-03	8.38e-03	0.73
220	14	3.17	0.02	-1.60e-04	-8.34	0.0	4.14e-03	4.36	0.58	-5.99e-03	-1.15	0.86
		0.86	-1.15	2.96e-03	0.0	203.0	4.14e-03	-3.98	0.58	-5.99e-03	0.02	1.24
220	15	2.79	0.12	-1.27e-04	-8.34	0.0	8.33e-03	4.26	0.28	-9.28e-04	-0.45	0.59
		0.59	-0.45	1.42e-03	0.0	203.0	8.33e-03	-4.08	0.28	-9.28e-04	0.12	0.77
220	16	3.03	0.13	-1.50e-04	-8.34	0.0	6.31e-03	4.33	0.49	-3.14e-03	-0.86	0.75
		0.75	-0.86	2.51e-03	0.0	203.0	6.31e-03	-4.01	0.49	-3.14e-03	0.13	1.07
220	17	2.78	8.38e-03	-1.21e-04	-8.34	0.0	7.50e-03	4.24	0.23	-2.29e-03	-0.46	0.59
		0.59	-0.46	1.15e-03	0.0	203.0	7.50e-03	-4.10	0.23	-2.29e-03	8.38e-03	0.73
220	18	3.01	0.02	-1.45e-04	-8.34	0.0	5.48e-03	4.31	0.44	-4.51e-03	-0.87	0.75
		0.75	-0.87	2.24e-03	0.0	203.0	5.48e-03	-4.03	0.44	-4.51e-03	0.02	1.04
220	20	3.09	0.05	-2.40e-04	-8.34	0.0	1.49	4.58	0.47	-4.49e-03	-0.98	0.54
		0.54	-0.98	2.65e-03	0.0	203.0	1.49	-3.76	0.47	-4.49e-03	0.05	1.37
220	21	2.95	-0.01	8.88e-05	-8.34	0.0	-1.48	4.05	0.41	-4.53e-03	-0.77	0.95
		0.71	-0.77	1.83e-03	0.0	203.0	-1.48	-4.29	0.41	-4.53e-03	-0.01	0.71
220	23	2.97	-0.02	-1.99e-04	-8.34	0.0	1.49	4.49	0.37	-2.62e-03	-0.80	0.51
		0.51	-0.80	1.50e-03	0.0	203.0	1.49	-3.85	0.37	-2.62e-03	-0.02	1.18
220	36	3.21	0.14	-2.35e-04	-8.34	0.0	0.52	4.53	0.59	-7.40e-03	-1.13	0.73
		0.73	-1.13	4.32e-03	0.0	203.0	0.52	-3.81	0.59	-7.40e-03	0.14	1.44
220	42	3.20	0.15	-1.97e-04	-8.34	0.0	-0.26	4.41	0.59	-8.15e-03	-1.11	0.85
		0.85	-1.11	4.42e-03	0.0	203.0	-0.26	-3.93	0.59	-8.15e-03	0.15	1.32
220	44	3.20	0.12	-2.24e-04	-8.34	0.0	0.37	4.51	0.63	-7.25e-03	-1.24	0.75
		0.75	-1.24	3.82e-03	0.0	203.0	0.37	-3.83	0.63	-7.25e-03	0.12	1.40
220	55	2.97	-0.02	-1.81e-04	-8.34	0.0	1.08	4.42	0.38	-3.02e-03	-0.81	0.60
		0.60	-0.81	1.70e-03	0.0	203.0	1.08	-3.93	0.38	-3.02e-03	-0.02	1.11
220	58	3.05	0.05	-1.13e-04	-8.34	0.0	-1.07	4.21	0.50	-6.00e-03	-0.94	0.90
		0.90	-0.94	2.77e-03	0.0	203.0	-1.07	-4.13	0.50	-6.00e-03	0.05	0.97
220	68	3.16	0.12	-2.18e-04	-8.34	0.0	0.38	4.47	0.57	-6.96e-03	-1.09	0.75
		0.75	-1.09	3.79e-03	0.0	203.0	0.38	-3.87	0.57	-6.96e-03	0.12	1.34
220	74	3.16	0.12	-1.92e-04	-8.34	0.0	-0.19	4.40	0.57	-7.50e-03	-1.08	0.82
		0.82	-1.08	3.86e-03	0.0	203.0	-0.19	-3.94	0.57	-7.50e-03	0.12	1.26
220	76	3.15	0.10	-2.10e-04	-8.34	0.0	0.26	4.46	0.60	-6.86e-03	-1.19	0.77
		0.77	-1.19	3.39e-03	0.0	203.0	0.26	-3.89	0.60	-6.86e-03	0.10	1.31

220	84	3.14	0.11	-1.96e-04	-8.34	0.0	0.06	4.42	0.56	-6.89e-03	-1.07	0.79
		0.79	-1.07	3.66e-03	0.0	203.0	0.06	-3.92	0.56	-6.89e-03	0.11	1.27
220	85	2.89	-0.06	-1.05e-04	-8.34	0.0	0.06	4.22	0.29	-2.21e-03	-0.60	0.70
		0.70	-0.60	1.17e-03	0.0	203.0	0.06	-4.12	0.29	-2.21e-03	-0.06	0.84
220	86	3.14	0.09	-1.89e-04	-8.34	0.0	-0.05	4.41	0.59	-6.81e-03	-1.15	0.80
		0.80	-1.15	3.30e-03	0.0	203.0	-0.05	-3.94	0.59	-6.81e-03	0.09	1.24
220	88	3.11	0.05	-2.61e-04	-8.34	0.0	1.78	4.65	0.47	-4.45e-03	-0.99	0.48
		0.48	-0.99	2.71e-03	0.0	203.0	1.78	-3.69	0.47	-4.45e-03	0.05	1.45
220	89	2.94	-0.02	1.16e-04	-8.34	0.0	-1.77	3.98	0.40	-4.57e-03	-0.75	1.02
		0.63	-0.75	1.76e-03	0.0	203.0	-1.77	-4.36	0.40	-4.57e-03	-0.02	0.63
220	91	2.97	-0.03	-2.13e-04	-8.34	0.0	1.78	4.55	0.35	-2.29e-03	-0.79	0.44
		0.44	-0.79	1.37e-03	0.0	203.0	1.78	-3.79	0.35	-2.29e-03	-0.03	1.24
220	104	3.25	0.16	-2.50e-04	-8.34	0.0	0.62	4.58	0.61	-7.85e-03	-1.16	0.72
		0.72	-1.16	4.68e-03	0.0	203.0	0.62	-3.77	0.61	-7.85e-03	0.16	1.51
220	110	3.23	0.17	-2.03e-04	-8.34	0.0	-0.32	4.42	0.61	-8.74e-03	-1.14	0.87
		0.87	-1.14	4.80e-03	0.0	203.0	-0.32	-3.92	0.61	-8.74e-03	0.17	1.35
220	112	3.23	0.13	-2.38e-04	-8.34	0.0	0.45	4.55	0.66	-7.67e-03	-1.30	0.74
		0.74	-1.30	4.09e-03	0.0	203.0	0.45	-3.79	0.66	-7.67e-03	0.13	1.47
221	2	2.86	2.64	-1.90e-04	-1.61	0.0	0.03	0.36	-1.57	-7.26e-04	2.64	2.78
		1.89	-0.54	4.92e-04	0.0	203.0	0.03	-1.24	-1.57	-7.26e-04	-0.54	1.89
221	3	0.70	0.41	-6.09e-05	-1.24	0.0	6.75e-03	0.49	-0.45	1.67e-04	0.41	0.50
		0.24	-0.50	2.16e-04	0.0	203.0	6.75e-03	-0.75	-0.45	1.67e-04	-0.50	0.24
221	6	2.24	1.98	-1.50e-04	-1.61	0.0	0.03	0.41	-1.40	-3.43e-04	1.98	2.13
		1.33	-0.86	5.31e-04	0.0	203.0	0.03	-1.20	-1.40	-3.43e-04	-0.86	1.33
221	7	0.66	0.38	-5.28e-05	-1.24	0.0	8.42e-03	0.45	-0.59	2.82e-04	0.38	0.49
		0.15	-0.83	3.34e-04	0.0	203.0	8.42e-03	-0.79	-0.59	2.82e-04	-0.83	0.15
221	9	0.72	0.43	-6.50e-05	-1.24	0.0	5.91e-03	0.51	-0.38	1.09e-04	0.43	0.51
		0.29	-0.34	1.57e-04	0.0	203.0	5.91e-03	-0.73	-0.38	1.09e-04	-0.34	0.29
221	10	2.00	1.82	-1.36e-04	-1.24	0.0	0.02	0.32	-1.07	-4.85e-04	1.82	1.92
		1.31	-0.36	3.33e-04	0.0	203.0	0.02	-0.92	-1.07	-4.85e-04	-0.36	1.31
221	11	0.69	0.41	-5.96e-05	-1.24	0.0	7.03e-03	0.48	-0.47	1.86e-04	0.41	0.50
		0.23	-0.55	2.36e-04	0.0	203.0	7.03e-03	-0.75	-0.47	1.86e-04	-0.55	0.23
221	12	1.59	1.38	-1.09e-04	-1.24	0.0	0.02	0.35	-0.96	-2.30e-04	1.38	1.49
		0.94	-0.57	3.59e-04	0.0	203.0	0.02	-0.89	-0.96	-2.30e-04	-0.57	0.94
221	13	0.77	0.46	-7.32e-05	-1.24	0.0	4.24e-03	0.55	-0.23	-5.74e-06	0.46	0.51
		0.38	-8.69e-03	3.89e-05	0.0	203.0	4.24e-03	-0.68	-0.23	-5.74e-06	-8.69e-03	0.38
221	14	1.39	1.15	-1.08e-04	-1.24	0.0	0.01	0.46	-0.58	-3.03e-04	1.15	1.22
		0.89	-0.02	1.27e-04	0.0	203.0	0.01	-0.78	-0.58	-3.03e-04	-0.02	0.89
221	15	0.75	0.45	-7.05e-05	-1.24	0.0	4.80e-03	0.54	-0.28	3.26e-05	0.45	0.51
		0.35	-0.12	7.83e-05	0.0	203.0	4.80e-03	-0.70	-0.28	3.26e-05	-0.12	0.35
221	16	1.13	0.86	-9.11e-05	-1.24	0.0	9.68e-03	0.48	-0.49	-1.46e-04	0.86	0.94
		0.66	-0.13	1.31e-04	0.0	203.0	9.68e-03	-0.76	-0.49	-1.46e-04	-0.13	0.66
221	17	0.77	0.46	-7.32e-05	-1.24	0.0	4.24e-03	0.55	-0.23	-5.74e-06	0.46	0.51
		0.38	-8.69e-03	3.89e-05	0.0	203.0	4.24e-03	-0.68	-0.23	-5.74e-06	-8.69e-03	0.38
221	18	1.14	0.87	-9.38e-05	-1.24	0.0	9.12e-03	0.50	-0.44	-1.84e-04	0.87	0.94
		0.69	-0.02	9.18e-05	0.0	203.0	9.12e-03	-0.74	-0.44	-1.84e-04	-0.02	0.69
221	22	1.18	0.72	-5.76e-04	-1.24	0.0	1.61	0.27	-0.42	-1.02e-03	0.72	1.11
		0.44	-0.09	6.27e-04	0.0	203.0	1.61	-0.96	-0.42	-1.02e-03	-0.09	0.44
221	23	1.18	1.04	4.12e-04	-1.24	0.0	-1.64	0.72	-0.48	7.07e-04	1.04	0.78
		0.78	0.03	-4.24e-04	0.0	203.0	-1.64	-0.52	-0.48	7.07e-04	0.03	0.78
221	26	1.17	0.71	-5.71e-04	-1.24	0.0	1.66	0.27	-0.40	-1.08e-03	0.71	1.10
		0.44	-0.06	6.08e-04	0.0	203.0	1.66	-0.96	-0.40	-1.08e-03	-0.06	0.44
221	36	1.02	0.77	8.37e-05	-1.24	0.0	-0.54	0.47	-0.75	9.74e-04	0.77	0.80
		0.61	-0.67	3.98e-04	0.0	203.0	-0.54	-0.77	-0.75	9.74e-04	-0.67	0.61
221	43	1.26	1.08	4.10e-05	-1.24	0.0	-0.60	0.64	-0.25	-5.07e-04	1.08	0.99
		0.89	0.47	-3.94e-04	0.0	203.0	-0.60	-0.60	-0.25	-5.07e-04	0.47	0.89
221	45	1.27	1.02	-2.59e-04	-1.24	0.0	0.37	0.52	-0.19	-1.16e-03	1.02	1.11
		0.76	0.54	-1.82e-04	0.0	203.0	0.37	-0.72	-0.19	-1.16e-03	0.54	0.76
221	54	1.15	0.77	-4.39e-04	-1.24	0.0	1.17	0.35	-0.44	-7.59e-04	0.77	1.04
		0.53	-0.09	4.99e-04	0.0	203.0	1.17	-0.88	-0.44	-7.59e-04	-0.09	0.53
221	55	1.16	0.99	2.76e-04	-1.24	0.0	-1.20	0.63	-0.45	4.38e-04	0.99	0.85
		0.85	0.04	-3.00e-04	0.0	203.0	-1.20	-0.60	-0.45	4.38e-04	0.04	0.85
221	58	1.14	0.76	-4.35e-04	-1.24	0.0	1.22	0.36	-0.43	-8.06e-04	0.76	1.03
		0.53	-0.07	4.83e-04	0.0	203.0	1.22	-0.88	-0.43	-8.06e-04	-0.07	0.53
221	68	1.04	0.77	4.13e-05	-1.24	0.0	-0.40	0.45	-0.68	7.81e-04	0.77	0.83
		0.60	-0.53	3.76e-04	0.0	203.0	-0.40	-0.78	-0.68	7.81e-04	-0.53	0.60
221	75	1.24	1.05	-4.89e-05	-1.24	0.0	-0.45	0.60	-0.29	-5.18e-04	1.05	1.00
		0.85	0.38	-3.17e-04	0.0	203.0	-0.45	-0.63	-0.29	-5.18e-04	0.38	0.85
221	77	1.25	1.00	-2.14e-04	-1.24	0.0	0.26	0.53	-0.25	-9.94e-04	1.00	1.07
		0.77	0.42	-1.67e-04	0.0	203.0	0.26	-0.70	-0.25	-9.94e-04	0.42	0.77
221	84	1.06	0.77	-8.29e-05	-1.24	0.0	-0.04	0.43	-0.63	4.70e-04	0.77	0.87
		0.58	-0.46	4.27e-04	0.0	203.0	-0.04	-0.81	-0.63	4.70e-04	-0.46	0.58
221	85	1.24	1.01	-1.14e-04	-1.24	0.0	-0.09	0.56	-0.29	-6.98e-04	1.01	1.03
		0.80	0.36	-2.05e-04	0.0	203.0	-0.09	-0.68	-0.29	-6.98e-04	0.36	0.80
221	86	1.05	0.74	-7.46e-05	-1.24	0.0	0.10	0.43	-0.59	3.30e-04	0.74	0.85

		0.58	-0.39	3.79e-04	0.0	203.0	0.10	-0.81	-0.59	3.30e-04	-0.39	0.58
221	90	1.21	0.68	-6.74e-04	-1.24	0.0	1.92	0.21	-0.40	-1.20e-03	0.68	1.17
		0.38	-0.09	7.25e-04	0.0	203.0	1.92	-1.03	-0.40	-1.20e-03	-0.09	0.38
221	91	1.19	1.08	5.09e-04	-1.24	0.0	-1.97	0.78	-0.50	8.94e-04	1.08	0.72
		0.72	0.02	-5.19e-04	0.0	203.0	-1.97	-0.46	-0.50	8.94e-04	0.02	1.00
221	94	1.20	0.67	-6.69e-04	-1.24	0.0	1.99	0.21	-0.38	-1.26e-03	0.67	1.16
		0.38	-0.05	7.03e-04	0.0	203.0	1.99	-1.02	-0.38	-1.26e-03	-0.05	0.38
221	104	1.01	0.75	1.15e-04	-1.24	0.0	-0.65	0.47	-0.80	1.16e-03	0.75	0.77
		0.61	-0.77	4.32e-04	0.0	203.0	-0.65	-0.77	-0.80	1.16e-03	-0.77	0.61
221	111	1.27	1.12	6.63e-05	-1.24	0.0	-0.71	0.67	-0.22	-5.31e-04	1.12	0.99
		0.92	0.54	-4.66e-04	0.0	203.0	-0.71	-0.57	-0.22	-5.31e-04	0.54	0.92
221	113	1.30	1.03	-2.93e-04	-1.24	0.0	0.45	0.52	-0.14	-1.31e-03	1.03	1.14
		0.76	0.63	-2.04e-04	0.0	203.0	0.45	-0.72	-0.14	-1.31e-03	0.63	0.76
222	1	0.85	0.08	1.63e-05	-0.08	0.0	-0.04	-8.41	-0.85	0.02	0.08	0.85
		0.0	0.0	8.25e-05	0.0	10.0	-0.04	-8.49	-0.85	0.02	0.0	0.0
222	2	2.19	0.0	2.31e-05	-0.08	0.0	-0.05	-21.82	5.14	0.08	-0.51	2.19
		0.0	-0.51	2.65e-04	0.0	10.0	-0.05	-21.90	5.14	0.08	0.0	0.0
222	3	0.67	0.12	1.24e-05	-0.06	0.0	-0.03	-6.64	-1.22	0.02	0.12	0.67
		0.0	0.0	7.10e-05	0.0	10.0	-0.03	-6.70	-1.22	0.02	0.0	0.0
222	6	1.83	0.0	2.06e-05	-0.08	0.0	-0.06	-18.28	1.70	0.07	-0.17	1.83
		0.0	-0.17	2.32e-04	0.0	10.0	-0.06	-18.35	1.70	0.07	0.0	0.0
222	7	0.71	0.29	1.19e-05	-0.06	0.0	-0.04	-7.12	-2.86	0.02	0.29	0.71
		0.0	0.0	9.29e-05	0.0	10.0	-0.04	-7.18	-2.86	0.02	0.0	0.0
222	9	0.64	0.04	1.26e-05	-0.06	0.0	-0.03	-6.40	-0.40	0.02	0.04	0.64
		0.0	0.0	6.01e-05	0.0	10.0	-0.03	-6.46	-0.40	0.02	0.0	0.0
222	10	1.54	0.0	1.72e-05	-0.06	0.0	-0.04	-15.34	3.59	0.05	-0.36	1.54
		0.0	-0.36	1.82e-04	0.0	10.0	-0.04	-15.40	3.59	0.05	0.0	0.0
222	11	0.67	0.15	1.23e-05	-0.06	0.0	-0.03	-6.72	-1.49	0.02	0.15	0.67
		0.0	0.0	7.47e-05	0.0	10.0	-0.03	-6.78	-1.49	0.02	0.0	0.0
222	12	1.30	0.0	1.55e-05	-0.06	0.0	-0.04	-12.97	1.30	0.05	-0.13	1.30
		0.0	-0.13	1.60e-04	0.0	10.0	-0.04	-13.03	1.30	0.05	0.0	0.0
222	13	0.60	0.0	1.31e-05	-0.06	0.0	-0.02	-5.92	1.24	0.01	-0.12	0.60
		0.0	-0.12	3.82e-05	0.0	10.0	-0.02	-5.98	1.24	0.01	0.0	0.0
222	14	1.04	0.0	1.53e-05	-0.06	0.0	-0.03	-10.39	3.24	0.03	-0.32	1.04
		0.0	-0.32	9.89e-05	0.0	10.0	-0.03	-10.45	3.24	0.03	0.0	0.0
222	16	0.88	0.0	1.43e-05	-0.06	0.0	-0.03	-8.76	1.89	0.02	-0.19	0.88
		0.0	-0.19	8.19e-05	0.0	10.0	-0.03	-8.82	1.89	0.02	0.0	0.0
222	17	0.60	0.0	1.31e-05	-0.06	0.0	-0.02	-5.92	1.24	0.01	-0.12	0.60
		0.0	-0.12	3.82e-05	0.0	10.0	-0.02	-5.98	1.24	0.01	0.0	0.0
222	18	0.86	0.0	1.44e-05	-0.06	0.0	-0.03	-8.60	2.44	0.02	-0.24	0.86
		0.0	-0.24	7.46e-05	0.0	10.0	-0.03	-8.66	2.44	0.02	0.0	0.0
222	19	0.79	0.0	1.12e-05	-0.06	0.0	-5.35	-7.90	2.39	0.02	-0.24	0.79
		0.0	-0.24	4.40e-05	0.0	10.0	-5.35	-7.96	2.39	0.02	0.0	0.0
222	31	0.80	0.0	1.25e-05	-0.06	0.0	-7.84	-8.01	2.33	0.02	-0.23	0.80
		0.0	-0.23	4.94e-05	0.0	10.0	-7.84	-8.07	2.33	0.02	0.0	0.0
222	34	0.92	0.0	1.64e-05	-0.06	0.0	7.78	-9.20	2.55	0.03	-0.25	0.92
		0.0	-0.25	9.98e-05	0.0	10.0	7.78	-9.26	2.55	0.03	0.0	0.0
222	38	1.03	0.0	1.62e-05	-0.06	0.0	1.45	-10.25	1.78	0.04	-0.18	1.03
		0.0	-0.18	1.38e-04	0.0	10.0	1.45	-10.31	1.78	0.04	0.0	0.0
222	41	0.71	0.0	1.40e-05	-0.06	0.0	2.43	-7.08	3.26	0.01	-0.33	0.71
		0.0	-0.33	1.79e-05	0.0	10.0	2.43	-7.14	3.26	0.01	0.0	0.0
222	51	0.81	0.0	1.20e-05	-0.06	0.0	-3.90	-8.09	2.41	0.02	-0.24	0.81
		0.0	-0.24	5.17e-05	0.0	10.0	-3.90	-8.16	2.41	0.02	0.0	0.0
222	63	0.82	0.0	1.29e-05	-0.06	0.0	-5.74	-8.17	2.37	0.02	-0.24	0.82
		0.0	-0.24	5.59e-05	0.0	10.0	-5.74	-8.23	2.37	0.02	0.0	0.0
222	66	0.91	0.0	1.59e-05	-0.06	0.0	5.69	-9.04	2.51	0.03	-0.25	0.91
		0.0	-0.25	9.34e-05	0.0	10.0	5.69	-9.10	2.51	0.03	0.0	0.0
222	70	0.99	0.0	1.59e-05	-0.06	0.0	1.03	-9.87	1.92	0.03	-0.19	0.99
		0.0	-0.19	1.23e-04	0.0	10.0	1.03	-9.93	1.92	0.03	0.0	0.0
222	73	0.74	0.0	1.39e-05	-0.06	0.0	1.78	-7.41	3.08	0.01	-0.31	0.74
		0.0	-0.31	3.10e-05	0.0	10.0	1.78	-7.47	3.08	0.01	0.0	0.0
222	83	0.75	0.0	1.36e-05	-0.06	0.0	0.08	-7.51	2.95	0.01	-0.30	0.75
		0.0	-0.30	3.38e-05	0.0	10.0	0.08	-7.57	2.95	0.01	0.0	0.0
222	84	0.97	0.0	1.52e-05	-0.06	0.0	-0.13	-9.70	1.92	0.03	-0.19	0.97
		0.0	-0.19	1.15e-04	0.0	10.0	-0.13	-9.76	1.92	0.03	0.0	0.0
222	85	0.77	0.0	1.34e-05	-0.06	0.0	-0.25	-7.67	2.86	0.02	-0.29	0.77
		0.0	-0.29	4.12e-05	0.0	10.0	-0.25	-7.73	2.86	0.02	0.0	0.0
222	86	0.96	0.0	1.54e-05	-0.06	0.0	0.19	-9.54	2.01	0.03	-0.20	0.96
		0.0	-0.20	1.08e-04	0.0	10.0	0.19	-9.60	2.01	0.03	0.0	0.0
222	87	0.78	0.0	1.06e-05	-0.06	0.0	-6.42	-7.76	2.37	0.02	-0.24	0.78
		0.0	-0.24	3.84e-05	0.0	10.0	-6.42	-7.82	2.37	0.02	0.0	0.0
222	99	0.79	0.0	1.21e-05	-0.06	0.0	-9.35	-7.88	2.30	0.02	-0.23	0.79
		0.0	-0.23	4.48e-05	0.0	10.0	-9.35	-7.95	2.30	0.02	0.0	0.0
222	102	0.94	0.0	1.67e-05	-0.06	0.0	9.30	-9.32	2.57	0.03	-0.26	0.94
		0.0	-0.26	1.04e-04	0.0	10.0	9.30	-9.38	2.57	0.03	0.0	0.0

222	106	1.06	0.0	1.64e-05	-0.06	0.0	1.75	-10.53	1.67	0.04	-0.17	1.06
		0.0	-0.17	1.49e-04	0.0	10.0	1.75	-10.59	1.67	0.04	0.0	0.0
222	109	0.69	0.0	1.41e-05	-0.06	0.0	2.90	-6.83	3.41	8.17e-03	-0.34	0.69
		0.0	-0.34	8.47e-06	0.0	10.0	2.90	-6.89	3.41	8.17e-03	0.0	0.0
223	2	1.40	0.0	-3.19e-05	-0.08	0.0	-0.05	14.06	-28.49	0.08	0.0	0.0
		0.0	-2.85	3.49e-04	0.0	10.0	-0.05	13.98	-28.49	0.08	-2.85	1.40
223	3	0.49	0.0	-1.58e-05	-0.06	0.0	-0.03	4.89	-4.51	0.02	0.0	0.0
		0.0	-0.45	7.92e-05	0.0	10.0	-0.03	4.83	-4.51	0.02	-0.45	0.49
223	4	1.26	0.0	-2.75e-05	-0.06	0.0	-0.05	12.63	-27.01	0.07	0.0	0.0
		0.0	-2.70	3.33e-04	0.0	10.0	-0.05	12.56	-27.01	0.07	-2.70	1.26
223	6	1.18	0.0	-2.93e-05	-0.08	0.0	-0.06	11.81	-21.46	0.07	0.0	0.0
		0.0	-2.15	2.90e-04	0.0	10.0	-0.06	11.74	-21.46	0.07	-2.15	1.18
223	7	0.49	0.0	-1.68e-05	-0.06	0.0	-0.04	4.97	-4.23	0.02	0.0	0.0
		0.0	-0.42	9.64e-05	0.0	10.0	-0.04	4.91	-4.23	0.02	-0.42	0.49
223	9	0.48	0.0	-1.54e-05	-0.06	0.0	-0.03	4.85	-4.65	0.02	0.0	0.0
		0.0	-0.47	7.07e-05	0.0	10.0	-0.03	4.79	-4.65	0.02	-0.47	0.48
223	10	1.00	0.0	-2.32e-05	-0.06	0.0	-0.04	10.01	-19.65	0.05	0.0	0.0
		0.0	-1.97	2.40e-04	0.0	10.0	-0.04	9.94	-19.65	0.05	-1.97	1.00
223	11	0.49	0.0	-1.60e-05	-0.06	0.0	-0.03	4.90	-4.47	0.02	0.0	0.0
		0.0	-0.45	8.21e-05	0.0	10.0	-0.03	4.84	-4.47	0.02	-0.45	0.49
223	12	0.85	0.0	-2.14e-05	-0.06	0.0	-0.04	8.51	-14.97	0.05	0.0	0.0
		0.0	-1.50	2.00e-04	0.0	10.0	-0.04	8.45	-14.97	0.05	-1.50	0.85
223	13	0.47	0.0	-1.44e-05	-0.06	0.0	-0.02	4.76	-4.93	0.01	0.0	0.0
		0.0	-0.49	5.35e-05	0.0	10.0	-0.02	4.70	-4.93	0.01	-0.49	0.47
223	14	0.73	0.0	-1.83e-05	-0.06	0.0	-0.03	7.34	-12.43	0.03	0.0	0.0
		0.0	-1.24	1.38e-04	0.0	10.0	-0.03	7.28	-12.43	0.03	-1.24	0.73
223	15	0.48	0.0	-1.47e-05	-0.06	0.0	-0.03	4.79	-4.84	0.01	0.0	0.0
		0.0	-0.48	5.93e-05	0.0	10.0	-0.03	4.73	-4.84	0.01	-0.48	0.48
223	16	0.63	0.0	-1.71e-05	-0.06	0.0	-0.03	6.34	-9.34	0.02	0.0	0.0
		0.0	-0.93	1.10e-04	0.0	10.0	-0.03	6.28	-9.34	0.02	-0.93	0.63
223	17	0.47	0.0	-1.44e-05	-0.06	0.0	-0.02	4.76	-4.93	0.01	0.0	0.0
		0.0	-0.49	5.35e-05	0.0	10.0	-0.02	4.70	-4.93	0.01	-0.49	0.47
223	18	0.63	0.0	-1.68e-05	-0.06	0.0	-0.03	6.31	-9.43	0.02	0.0	0.0
		0.0	-0.94	1.04e-04	0.0	10.0	-0.03	6.25	-9.43	0.02	-0.94	0.63
223	31	0.63	0.0	-1.77e-05	-0.06	0.0	-5.70	6.36	-8.70	0.02	0.0	0.0
		0.0	-0.87	9.39e-05	0.0	10.0	-5.70	6.30	-8.70	0.02	-0.87	0.63
223	34	0.62	0.0	-1.59e-05	-0.06	0.0	5.65	6.26	-10.17	0.03	0.0	0.0
		0.0	-1.02	1.15e-04	0.0	10.0	5.65	6.20	-10.17	0.03	-1.02	0.62
223	42	0.66	0.0	-1.83e-05	-0.06	0.0	1.62	6.59	-11.37	0.04	0.0	0.0
		0.0	-1.14	1.15e-04	0.0	10.0	1.62	6.53	-11.37	0.04	-1.14	0.66
223	44	0.68	0.0	-2.02e-05	-0.06	0.0	-1.17	6.81	-12.57	0.03	0.0	0.0
		0.0	-1.26	9.90e-05	0.0	10.0	-1.17	6.75	-12.57	0.03	-1.26	0.68
223	50	0.67	0.0	-1.88e-05	-0.06	0.0	1.74	6.69	-12.43	0.04	0.0	0.0
		0.0	-1.24	1.06e-04	0.0	10.0	1.74	6.62	-12.43	0.04	-1.24	0.67
223	63	0.63	0.0	-1.73e-05	-0.06	0.0	-4.16	6.31	-8.77	0.02	0.0	0.0
		0.0	-0.88	9.73e-05	0.0	10.0	-4.16	6.25	-8.77	0.02	-0.88	0.63
223	66	0.63	0.0	-1.62e-05	-0.06	0.0	4.11	6.32	-10.10	0.03	0.0	0.0
		0.0	-1.01	1.11e-04	0.0	10.0	4.11	6.25	-10.10	0.03	-1.01	0.63
223	74	0.65	0.0	-1.82e-05	-0.06	0.0	1.17	6.57	-11.22	0.03	0.0	0.0
		0.0	-1.12	1.10e-04	0.0	10.0	1.17	6.51	-11.22	0.03	-1.12	0.65
223	76	0.67	0.0	-1.96e-05	-0.06	0.0	-0.86	6.73	-12.26	0.03	0.0	0.0
		0.0	-1.23	9.84e-05	0.0	10.0	-0.86	6.67	-12.26	0.03	-1.23	0.67
223	82	0.66	0.0	-1.86e-05	-0.06	0.0	1.27	6.65	-12.13	0.03	0.0	0.0
		0.0	-1.21	1.04e-04	0.0	10.0	1.27	6.59	-12.13	0.03	-1.21	0.66
223	84	0.65	0.0	-1.84e-05	-0.06	0.0	-0.06	6.57	-11.08	0.03	0.0	0.0
		0.0	-1.11	1.07e-04	0.0	10.0	-0.06	6.51	-11.08	0.03	-1.11	0.65
223	85	0.59	0.0	-1.48e-05	-0.06	0.0	-0.08	5.98	-6.96	0.02	0.0	0.0
		0.0	-0.70	1.07e-04	0.0	10.0	-0.08	5.92	-6.96	0.02	-0.70	0.59
223	86	0.66	0.0	-1.88e-05	-0.06	0.0	0.03	6.65	-11.90	0.03	0.0	0.0
		0.0	-1.19	1.01e-04	0.0	10.0	0.03	6.59	-11.90	0.03	-1.19	0.66
223	99	0.64	0.0	-1.79e-05	-0.06	0.0	-6.80	6.40	-8.61	0.02	0.0	0.0
		0.0	-0.86	9.17e-05	0.0	10.0	-6.80	6.33	-8.61	0.02	-0.86	0.64
223	102	0.62	0.0	-1.56e-05	-0.06	0.0	6.75	6.23	-10.26	0.03	0.0	0.0
		0.0	-1.03	1.17e-04	0.0	10.0	6.75	6.17	-10.26	0.03	-1.03	0.62
223	110	0.66	0.0	-1.85e-05	-0.06	0.0	1.94	6.62	-11.60	0.04	0.0	0.0
		0.0	-1.16	1.18e-04	0.0	10.0	1.94	6.56	-11.60	0.04	-1.16	0.66
223	112	0.69	0.0	-2.08e-05	-0.06	0.0	-1.40	6.88	-12.97	0.04	0.0	0.0
		0.0	-1.30	9.86e-05	0.0	10.0	-1.40	6.82	-12.97	0.04	-1.30	0.69
223	118	0.67	0.0	-1.91e-05	-0.06	0.0	2.08	6.73	-12.80	0.04	0.0	0.0
		0.0	-1.28	1.07e-04	0.0	10.0	2.08	6.67	-12.80	0.04	-1.28	0.67
224	2	2.78	2.64	-3.08e-05	-0.08	0.0	0.03	27.83	26.37	-7.26e-04	0.0	0.0
		0.0	0.0	-1.59e-05	0.0	10.0	0.03	27.75	26.37	-7.26e-04	2.64	2.78
224	3	0.50	0.41	-8.17e-06	-0.06	0.0	6.79e-03	5.04	4.11	1.67e-04	0.0	0.0
		0.0	0.0	7.72e-06	0.0	10.0	6.79e-03	4.98	4.11	1.67e-04	0.41	0.50
224	6	2.13	1.98	-2.41e-05	-0.08	0.0	0.03	21.37	19.80	-3.43e-04	0.0	0.0

		0.0	0.0	0.0	0.0	10.0	0.03	21.29	19.80	-3.43e-04	1.98	2.13
224	9	0.51	0.43	-8.54e-06	-0.06	0.0	5.96e-03	5.09	4.26	1.09e-04	0.0	0.0
		0.0	0.0	3.24e-06	0.0	10.0	5.96e-03	5.03	4.26	1.09e-04	0.43	0.51
224	10	1.92	1.82	-2.17e-05	-0.06	0.0	0.02	19.24	18.19	-4.85e-04	0.0	0.0
		0.0	0.0	-1.14e-05	0.0	10.0	0.02	19.18	18.19	-4.85e-04	1.82	1.92
224	12	1.49	1.38	-1.73e-05	-0.06	0.0	0.02	14.94	13.81	-2.30e-04	0.0	0.0
		0.0	0.0	-1.01e-06	0.0	10.0	0.02	14.88	13.81	-2.30e-04	1.38	1.49
224	13	0.51	0.46	-9.27e-06	-0.06	0.0	4.30e-03	5.17	4.57	-5.74e-06	0.0	0.0
		0.0	0.0	-5.72e-06	0.0	10.0	4.30e-03	5.11	4.57	-5.74e-06	0.46	0.51
224	14	1.22	1.15	-1.59e-05	-0.06	0.0	0.01	12.25	11.53	-3.03e-04	0.0	0.0
		0.0	0.0	-1.30e-05	0.0	10.0	0.01	12.19	11.53	-3.03e-04	1.15	1.22
224	16	0.94	0.86	-1.30e-05	-0.06	0.0	9.73e-03	9.39	8.64	-1.46e-04	0.0	0.0
		0.0	0.0	-7.12e-06	0.0	10.0	9.73e-03	9.33	8.64	-1.46e-04	0.86	0.94
224	17	0.51	0.46	-9.27e-06	-0.06	0.0	4.30e-03	5.17	4.57	-5.74e-06	0.0	0.0
		0.0	0.0	-5.72e-06	0.0	10.0	4.30e-03	5.11	4.57	-5.74e-06	0.46	0.51
224	18	0.94	0.87	-1.32e-05	-0.06	0.0	9.18e-03	9.42	8.75	-1.84e-04	0.0	0.0
		0.0	0.0	-1.01e-05	0.0	10.0	9.18e-03	9.36	8.75	-1.84e-04	0.87	0.94
224	28	0.93	0.81	1.07e-05	-0.06	0.0	1.93	9.35	8.07	1.84e-03	0.0	0.0
		0.0	0.0	-1.41e-05	0.0	10.0	1.93	9.29	8.07	1.84e-03	0.81	0.93
224	32	0.92	0.80	1.09e-05	-0.06	0.0	2.03	9.27	7.97	1.78e-03	0.0	0.0
		0.0	0.0	-1.51e-05	0.0	10.0	2.03	9.21	7.97	1.78e-03	0.80	0.92
224	33	0.95	0.95	-3.74e-05	-0.06	0.0	-2.01	9.57	9.52	-2.15e-03	0.0	0.0
		0.0	0.0	-5.07e-06	0.0	10.0	-2.01	9.51	9.52	-2.15e-03	0.95	0.95
224	43	1.06	1.04	-7.70e-06	-0.06	0.0	0.29	10.61	10.39	-5.07e-04	0.0	0.0
		0.0	0.0	-3.76e-05	0.0	10.0	0.29	10.55	10.39	-5.07e-04	1.04	1.06
224	45	1.04	1.06	-2.23e-05	-0.06	0.0	-0.75	10.47	10.59	-1.16e-03	0.0	0.0
		0.0	0.0	-2.57e-05	0.0	10.0	-0.75	10.41	10.59	-1.16e-03	1.06	1.04
224	49	1.05	1.06	-2.21e-05	-0.06	0.0	-0.81	10.48	10.56	-1.36e-03	0.0	0.0
		0.0	0.0	-2.82e-05	0.0	10.0	-0.81	10.42	10.56	-1.36e-03	1.06	1.05
224	60	0.93	0.82	4.19e-06	-0.06	0.0	1.40	9.33	8.18	1.33e-03	0.0	0.0
		0.0	0.0	-1.19e-05	0.0	10.0	1.40	9.26	8.18	1.33e-03	0.82	0.93
224	64	0.92	0.81	4.39e-06	-0.06	0.0	1.49	9.26	8.09	1.28e-03	0.0	0.0
		0.0	0.0	-1.28e-05	0.0	10.0	1.49	9.20	8.09	1.28e-03	0.81	0.92
224	65	0.96	0.94	-3.09e-05	-0.06	0.0	-1.48	9.59	9.40	-1.65e-03	0.0	0.0
		0.0	0.0	-7.41e-06	0.0	10.0	-1.48	9.53	9.40	-1.65e-03	0.94	0.96
224	75	1.04	1.02	-9.51e-06	-0.06	0.0	0.18	10.43	10.18	-5.18e-04	0.0	0.0
		0.0	0.0	-3.33e-05	0.0	10.0	0.18	10.37	10.18	-5.18e-04	1.02	1.04
224	77	1.03	1.03	-2.01e-05	-0.06	0.0	-0.58	10.34	10.34	-9.94e-04	0.0	0.0
		0.0	0.0	-2.47e-05	0.0	10.0	-0.58	10.27	10.34	-9.94e-04	1.03	1.03
224	81	1.03	1.03	-1.99e-05	-0.06	0.0	-0.63	10.35	10.32	-1.14e-03	0.0	0.0
		0.0	0.0	-2.65e-05	0.0	10.0	-0.63	10.29	10.32	-1.14e-03	1.03	1.03
224	84	0.87	0.77	-1.24e-05	-0.06	0.0	-0.07	8.76	7.66	4.70e-04	0.0	0.0
		0.0	0.0	9.45e-06	0.0	10.0	-0.07	8.70	7.66	4.70e-04	0.77	0.87
224	85	1.03	1.01	-1.46e-05	-0.06	0.0	-0.18	10.29	10.11	-6.98e-04	0.0	0.0
		0.0	0.0	-2.71e-05	0.0	10.0	-0.18	10.23	10.11	-6.98e-04	1.01	1.03
224	86	0.85	0.74	-1.18e-05	-0.06	0.0	0.20	8.56	7.39	3.30e-04	0.0	0.0
		0.0	0.0	6.85e-06	0.0	10.0	0.20	8.50	7.39	3.30e-04	0.74	0.85
224	96	0.93	0.80	1.53e-05	-0.06	0.0	2.30	9.37	7.97	2.22e-03	0.0	0.0
		0.0	0.0	-1.53e-05	0.0	10.0	2.30	9.30	7.97	2.22e-03	0.80	0.93
224	100	0.92	0.79	1.56e-05	-0.06	0.0	2.42	9.27	7.85	2.15e-03	0.0	0.0
		0.0	0.0	-1.65e-05	0.0	10.0	2.42	9.21	7.85	2.15e-03	0.79	0.92
224	101	0.95	0.96	-4.21e-05	-0.06	0.0	-2.40	9.58	9.64	-2.52e-03	0.0	0.0
		0.0	0.0	-3.70e-06	0.0	10.0	-2.40	9.51	9.64	-2.52e-03	0.96	0.95
224	111	1.08	1.06	-6.49e-06	-0.06	0.0	0.36	10.79	10.62	-5.31e-04	0.0	0.0
		0.0	0.0	-4.16e-05	0.0	10.0	0.36	10.73	10.62	-5.31e-04	1.06	1.08
224	113	1.06	1.09	-2.40e-05	-0.06	0.0	-0.88	10.62	10.85	-1.31e-03	0.0	0.0
		0.0	0.0	-2.74e-05	0.0	10.0	-0.88	10.56	10.85	-1.31e-03	1.09	1.06
224	117	1.06	1.08	-2.37e-05	-0.06	0.0	-0.96	10.64	10.83	-1.56e-03	0.0	0.0
		0.0	0.0	-3.04e-05	0.0	10.0	-0.96	10.57	10.83	-1.56e-03	1.08	1.06
225	2	1.60	0.0	-4.24e-05	-0.08	0.0	3.31e-03	15.99	-26.37	-7.91e-03	0.0	0.0
		0.0	-2.64	4.42e-04	0.0	10.0	3.31e-03	15.91	-26.37	-7.91e-03	-2.64	1.60
225	4	1.42	0.0	-3.66e-05	-0.06	0.0	1.07e-03	14.23	-25.00	-7.22e-03	0.0	0.0
		0.0	-2.50	4.23e-04	0.0	10.0	1.07e-03	14.17	-25.00	-7.22e-03	-2.50	1.42
225	5	0.78	0.0	-2.91e-05	-0.08	0.0	0.02	7.87	-5.18	7.27e-03	0.0	0.0
		0.0	-0.52	1.75e-04	0.0	10.0	0.02	7.79	-5.18	7.27e-03	-0.52	0.78
225	7	0.61	0.0	-2.33e-05	-0.06	0.0	0.01	6.11	-3.81	7.95e-03	0.0	0.0
		0.0	-0.38	1.56e-04	0.0	10.0	0.01	6.05	-3.81	7.95e-03	-0.38	0.61
225	10	1.14	0.0	-3.08e-05	-0.06	0.0	3.20e-03	11.45	-18.19	-5.58e-03	0.0	0.0
		0.0	-1.82	3.03e-04	0.0	10.0	3.20e-03	11.39	-18.19	-5.58e-03	-1.82	1.14
225	11	0.60	0.0	-2.20e-05	-0.06	0.0	0.01	6.03	-4.06	4.54e-03	0.0	0.0
		0.0	-0.41	1.25e-04	0.0	10.0	0.01	5.97	-4.06	4.54e-03	-0.41	0.60
225	14	0.86	0.0	-2.42e-05	-0.06	0.0	4.08e-03	8.62	-11.53	-5.99e-03	0.0	0.0
		0.0	-1.15	1.65e-04	0.0	10.0	4.08e-03	8.56	-11.53	-5.99e-03	-1.15	0.86
225	15	0.59	0.0	-1.98e-05	-0.06	0.0	8.28e-03	5.92	-4.47	-9.28e-04	0.0	0.0
		0.0	-0.45	7.63e-05	0.0	10.0	8.28e-03	5.85	-4.47	-9.28e-04	-0.45	0.59

225	17	0.59	0.0	-1.92e-05	-0.06	0.0	7.45e-03	5.89	-4.57	-2.29e-03	0.0	0.0
		0.0	-0.46	6.41e-05	0.0	10.0	7.45e-03	5.82	-4.57	-2.29e-03	-0.46	0.59
225	18	0.75	0.0	-2.22e-05	-0.06	0.0	5.42e-03	7.53	-8.75	-4.51e-03	0.0	0.0
		0.0	-0.87	1.25e-04	0.0	10.0	5.42e-03	7.47	-8.75	-4.51e-03	-0.87	0.75
225	19	0.76	0.0	-2.69e-05	-0.06	0.0	3.95	7.61	-8.35	-2.58e-03	0.0	0.0
		0.0	-0.84	1.08e-04	0.0	10.0	3.95	7.55	-8.35	-2.58e-03	-0.84	0.76
225	31	0.75	0.0	-2.45e-05	-0.06	0.0	5.15	7.51	-7.89	-2.09e-03	0.0	0.0
		0.0	-0.79	1.20e-04	0.0	10.0	5.15	7.45	-7.89	-2.09e-03	-0.79	0.75
225	33	0.71	0.0	-1.72e-05	-0.06	0.0	-5.08	7.14	-7.46	-5.10e-03	0.0	0.0
		0.0	-0.75	1.29e-04	0.0	10.0	-5.08	7.08	-7.46	-5.10e-03	-0.75	0.71
225	34	0.75	0.0	-1.98e-05	-0.06	0.0	-5.14	7.55	-9.61	-6.93e-03	0.0	0.0
		0.0	-0.96	1.30e-04	0.0	10.0	-5.14	7.49	-9.61	-6.93e-03	-0.96	0.75
225	44	0.82	0.0	-2.84e-05	-0.06	0.0	1.09	8.27	-12.43	-7.25e-03	0.0	0.0
		0.0	-1.24	1.23e-04	0.0	10.0	1.09	8.21	-12.43	-7.25e-03	-1.24	0.82
225	51	0.75	0.0	-2.55e-05	-0.06	0.0	2.87	7.55	-8.38	-2.99e-03	0.0	0.0
		0.0	-0.84	1.13e-04	0.0	10.0	2.87	7.49	-8.38	-2.99e-03	-0.84	0.75
225	63	0.74	0.0	-2.37e-05	-0.06	0.0	3.76	7.47	-8.00	-2.64e-03	0.0	0.0
		0.0	-0.80	1.22e-04	0.0	10.0	3.76	7.41	-8.00	-2.64e-03	-0.80	0.74
225	65	0.72	0.0	-1.84e-05	-0.06	0.0	-3.69	7.24	-7.65	-4.84e-03	0.0	0.0
		0.0	-0.76	1.29e-04	0.0	10.0	-3.69	7.18	-7.65	-4.84e-03	-0.76	0.72
225	66	0.76	0.0	-2.07e-05	-0.06	0.0	-3.75	7.59	-9.49	-6.38e-03	0.0	0.0
		0.0	-0.95	1.27e-04	0.0	10.0	-3.75	7.53	-9.49	-6.38e-03	-0.95	0.76
225	76	0.81	0.0	-2.73e-05	-0.06	0.0	0.79	8.15	-11.89	-6.86e-03	0.0	0.0
		0.0	-1.19	1.20e-04	0.0	10.0	0.79	8.09	-11.89	-6.86e-03	-1.19	0.81
225	83	0.71	0.0	-1.93e-05	-0.06	0.0	-0.03	7.15	-6.84	-2.12e-03	0.0	0.0
		0.0	-0.68	1.16e-04	0.0	10.0	-0.03	7.09	-6.84	-2.12e-03	-0.68	0.71
225	85	0.70	0.0	-1.88e-05	-0.06	0.0	0.08	7.01	-5.99	-2.21e-03	0.0	0.0
		0.0	-0.60	1.27e-04	0.0	10.0	0.08	6.95	-5.99	-2.21e-03	-0.60	0.70
225	86	0.80	0.0	-2.56e-05	-0.06	0.0	-0.07	8.05	-11.51	-6.81e-03	0.0	0.0
		0.0	-1.15	1.23e-04	0.0	10.0	-0.07	7.99	-11.51	-6.81e-03	-1.15	0.80
225	87	0.76	0.0	-2.79e-05	-0.06	0.0	4.73	7.65	-8.30	-2.24e-03	0.0	0.0
		0.0	-0.83	1.04e-04	0.0	10.0	4.73	7.59	-8.30	-2.24e-03	-0.83	0.76
225	99	0.75	0.0	-2.51e-05	-0.06	0.0	6.15	7.53	-7.76	-1.66e-03	0.0	0.0
		0.0	-0.78	1.19e-04	0.0	10.0	6.15	7.47	-7.76	-1.66e-03	-0.78	0.75
225	101	0.70	0.0	-1.63e-05	-0.06	0.0	-6.07	7.06	-7.26	-5.25e-03	0.0	0.0
		0.0	-0.73	1.29e-04	0.0	10.0	-6.07	7.00	-7.26	-5.25e-03	-0.73	0.70
225	102	0.75	0.0	-1.93e-05	-0.06	0.0	-6.14	7.52	-9.74	-7.36e-03	0.0	0.0
		0.0	-0.97	1.31e-04	0.0	10.0	-6.14	7.46	-9.74	-7.36e-03	-0.97	0.75
225	112	0.84	0.0	-2.94e-05	-0.06	0.0	1.31	8.38	-12.99	-7.67e-03	0.0	0.0
		0.0	-1.30	1.24e-04	0.0	10.0	1.31	8.32	-12.99	-7.67e-03	-1.30	0.84
226	2	1.30	3.19	2.59e-05	-0.08	0.0	-0.07	-12.99	-31.89	0.06	3.19	1.30
		0.0	0.0	2.49e-04	0.0	10.0	-0.07	-13.07	-31.89	0.06	0.0	0.0
226	3	0.45	0.56	1.39e-05	-0.06	0.0	-0.03	-4.50	-5.64	5.07e-03	0.56	0.45
		0.0	0.0	3.03e-05	0.0	10.0	-0.03	-4.56	-5.64	5.07e-03	0.0	0.0
226	7	0.44	0.60	1.41e-05	-0.06	0.0	-0.03	-4.39	-6.00	1.71e-03	0.60	0.44
		0.0	0.0	2.27e-05	0.0	10.0	-0.03	-4.45	-6.00	1.71e-03	0.0	0.0
226	9	0.46	0.55	1.38e-05	-0.06	0.0	-0.03	-4.55	-5.46	6.75e-03	0.55	0.46
		0.0	0.0	3.41e-05	0.0	10.0	-0.03	-4.61	-5.46	6.75e-03	0.0	0.0
226	10	0.93	2.19	1.90e-05	-0.06	0.0	-0.05	-9.28	-21.94	0.04	2.19	0.93
		0.0	0.0	1.71e-04	0.0	10.0	-0.05	-9.34	-21.94	0.04	0.0	0.0
226	11	0.45	0.57	1.39e-05	-0.06	0.0	-0.03	-4.48	-5.70	4.51e-03	0.57	0.45
		0.0	0.0	2.90e-05	0.0	10.0	-0.03	-4.54	-5.70	4.51e-03	0.0	0.0
226	13	0.47	0.51	1.36e-05	-0.06	0.0	-0.03	-4.65	-5.10	0.01	0.51	0.47
		0.0	0.0	4.17e-05	0.0	10.0	-0.03	-4.71	-5.10	0.01	0.0	0.0
226	14	0.70	1.33	1.62e-05	-0.06	0.0	-0.04	-7.02	-13.34	0.03	1.33	0.70
		0.0	0.0	1.10e-04	0.0	10.0	-0.04	-7.08	-13.34	0.03	0.0	0.0
226	15	0.46	0.52	1.37e-05	-0.06	0.0	-0.03	-4.62	-5.22	8.99e-03	0.52	0.46
		0.0	0.0	3.92e-05	0.0	10.0	-0.03	-4.68	-5.22	8.99e-03	0.0	0.0
226	17	0.47	0.51	1.36e-05	-0.06	0.0	-0.03	-4.65	-5.10	0.01	0.51	0.47
		0.0	0.0	4.17e-05	0.0	10.0	-0.03	-4.71	-5.10	0.01	0.0	0.0
226	18	0.61	1.00	1.52e-05	-0.06	0.0	-0.03	-6.07	-10.05	0.02	1.00	0.61
		0.0	0.0	8.29e-05	0.0	10.0	-0.03	-6.13	-10.05	0.02	0.0	0.0
226	22	0.55	0.97	1.76e-05	-0.06	0.0	5.44	-5.49	-9.72	0.02	0.97	0.55
		0.0	0.0	9.26e-05	0.0	10.0	5.44	-5.55	-9.72	0.02	0.0	0.0
226	25	0.58	1.10	1.69e-05	-0.06	0.0	5.37	-5.72	-10.98	0.03	1.10	0.58
		0.0	0.0	8.99e-05	0.0	10.0	5.37	-5.78	-10.98	0.03	0.0	0.0
226	31	0.66	1.03	1.37e-05	-0.06	0.0	-8.87	-6.53	-10.31	0.02	1.03	0.66
		0.0	0.0	7.70e-05	0.0	10.0	-8.87	-6.59	-10.31	0.02	0.0	0.0
226	34	0.56	0.98	1.66e-05	-0.06	0.0	8.81	-5.62	-9.78	0.02	0.98	0.56
		0.0	0.0	8.89e-05	0.0	10.0	8.81	-5.68	-9.78	0.02	0.0	0.0
226	35	0.67	1.24	1.32e-05	-0.06	0.0	-1.52	-6.66	-12.44	0.03	1.24	0.67
		0.0	0.0	7.26e-05	0.0	10.0	-1.52	-6.72	-12.44	0.03	0.0	0.0
226	37	0.64	1.27	1.44e-05	-0.06	0.0	1.79	-6.39	-12.69	0.03	1.27	0.64
		0.0	0.0	7.70e-05	0.0	10.0	1.79	-6.45	-12.69	0.03	0.0	0.0
226	54	0.57	0.97	1.70e-05	-0.06	0.0	3.97	-5.67	-9.72	0.02	0.97	0.57

		0.0	0.0	9.06e-05	0.0	10.0	3.97	-5.74	-9.72	0.02	0.0	0.0
226	57	0.59	1.09	1.64e-05	-0.06	0.0	3.91	-5.88	-10.87	0.02	1.09	0.59
		0.0	0.0	8.76e-05	0.0	10.0	3.91	-5.95	-10.87	0.02	0.0	0.0
226	63	0.64	1.03	1.41e-05	-0.06	0.0	-6.50	-6.38	-10.30	0.02	1.03	0.64
		0.0	0.0	7.82e-05	0.0	10.0	-6.50	-6.44	-10.30	0.02	0.0	0.0
226	66	0.58	0.98	1.63e-05	-0.06	0.0	6.43	-5.77	-9.79	0.02	0.98	0.58
		0.0	0.0	8.76e-05	0.0	10.0	6.43	-5.83	-9.79	0.02	0.0	0.0
226	67	0.66	1.22	1.35e-05	-0.06	0.0	-1.10	-6.56	-12.22	0.03	1.22	0.66
		0.0	0.0	7.34e-05	0.0	10.0	-1.10	-6.62	-12.22	0.03	0.0	0.0
226	69	0.64	1.24	1.44e-05	-0.06	0.0	1.33	-6.40	-12.44	0.03	1.24	0.64
		0.0	0.0	7.66e-05	0.0	10.0	1.33	-6.46	-12.44	0.03	0.0	0.0
226	83	0.65	1.21	1.41e-05	-0.06	0.0	0.10	-6.44	-12.11	0.03	1.21	0.65
		0.0	0.0	7.58e-05	0.0	10.0	0.10	-6.50	-12.11	0.03	0.0	0.0
226	84	0.57	0.80	1.63e-05	-0.06	0.0	-0.17	-5.70	-7.99	0.01	0.80	0.57
		0.0	0.0	9.01e-05	0.0	10.0	-0.17	-5.77	-7.99	0.01	0.0	0.0
226	85	0.64	1.14	1.43e-05	-0.06	0.0	-0.33	-6.33	-11.44	0.03	1.14	0.64
		0.0	0.0	8.09e-05	0.0	10.0	-0.33	-6.39	-11.44	0.03	0.0	0.0
226	86	0.58	0.87	1.61e-05	-0.06	0.0	0.27	-5.81	-8.65	0.01	0.87	0.58
		0.0	0.0	8.49e-05	0.0	10.0	0.27	-5.87	-8.65	0.01	0.0	0.0
226	87	0.68	1.04	1.23e-05	-0.06	0.0	-6.58	-6.80	-10.40	0.02	1.04	0.68
		0.0	0.0	7.15e-05	0.0	10.0	-6.58	-6.87	-10.40	0.02	0.0	0.0
226	90	0.54	0.97	1.81e-05	-0.06	0.0	6.52	-5.34	-9.69	0.02	0.97	0.54
		0.0	0.0	9.43e-05	0.0	10.0	6.52	-5.40	-9.69	0.02	0.0	0.0
226	93	0.56	1.11	1.72e-05	-0.06	0.0	6.44	-5.60	-11.11	0.03	1.11	0.56
		0.0	0.0	9.15e-05	0.0	10.0	6.44	-5.66	-11.11	0.03	0.0	0.0
226	99	0.67	1.03	1.35e-05	-0.06	0.0	-10.58	-6.64	-10.34	0.02	1.03	0.67
		0.0	0.0	7.60e-05	0.0	10.0	-10.58	-6.70	-10.34	0.02	0.0	0.0
226	102	0.55	0.98	1.69e-05	-0.06	0.0	10.51	-5.50	-9.76	0.02	0.98	0.55
		0.0	0.0	8.98e-05	0.0	10.0	10.51	-5.56	-9.76	0.02	0.0	0.0
226	105	0.64	1.30	1.44e-05	-0.06	0.0	2.14	-6.41	-13.02	0.03	1.30	0.64
		0.0	0.0	7.67e-05	0.0	10.0	2.14	-6.47	-13.02	0.03	0.0	0.0
227	2	2.79	0.0	2.64e-05	-0.08	0.0	6.95e-03	-27.89	26.86	-2.13e-04	-2.69	2.79
		0.0	-2.69	-3.45e-05	0.0	10.0	6.95e-03	-27.97	26.86	-2.13e-04	0.0	0.0
227	5	0.68	0.0	1.07e-05	-0.08	0.0	5.99e-04	-6.77	6.34	-6.55e-04	-0.63	0.68
		0.0	-0.63	-2.12e-05	0.0	10.0	5.99e-04	-6.85	6.34	-6.55e-04	0.0	0.0
227	7	0.53	0.0	8.51e-06	-0.06	0.0	3.34e-04	-5.27	5.09	-6.72e-04	-0.51	0.53
		0.0	-0.51	-2.05e-05	0.0	10.0	3.34e-04	-5.33	5.09	-6.72e-04	0.0	0.0
227	10	1.93	0.0	1.86e-05	-0.06	0.0	4.75e-03	-19.26	18.46	-1.35e-04	-1.85	1.93
		0.0	-1.85	-2.33e-05	0.0	10.0	4.75e-03	-19.32	18.46	-1.35e-04	0.0	0.0
227	11	0.52	0.0	8.14e-06	-0.06	0.0	5.17e-04	-5.18	4.78	-4.29e-04	-0.48	0.52
		0.0	-0.48	-1.45e-05	0.0	10.0	5.17e-04	-5.24	4.78	-4.29e-04	0.0	0.0
227	14	1.21	0.0	1.28e-05	-0.06	0.0	2.93e-03	-12.08	11.13	1.08e-04	-1.11	1.21
		0.0	-1.11	-9.24e-06	0.0	10.0	2.93e-03	-12.14	11.13	1.08e-04	0.0	0.0
227	15	0.51	0.0	7.57e-06	-0.06	0.0	8.10e-04	-5.03	4.29	-3.95e-05	-0.43	0.51
		0.0	-0.43	-4.81e-06	0.0	10.0	8.10e-04	-5.09	4.29	-3.95e-05	0.0	0.0
227	17	0.50	0.0	7.42e-06	-0.06	0.0	8.83e-04	-5.00	4.17	5.79e-05	-0.42	0.50
		0.0	-0.42	-2.40e-06	0.0	10.0	8.83e-04	-5.06	4.17	5.79e-05	0.0	0.0
227	18	0.93	0.0	1.06e-05	-0.06	0.0	2.11e-03	-9.24	8.34	8.78e-05	-0.83	0.93
		0.0	-0.83	-6.51e-06	0.0	10.0	2.11e-03	-9.31	8.34	8.78e-05	0.0	0.0
227	23	0.93	0.0	2.77e-05	-0.06	0.0	-3.73	-9.23	7.52	-5.07e-04	-0.75	0.93
		0.0	-0.75	-2.61e-05	0.0	10.0	-3.73	-9.29	7.52	-5.07e-04	0.0	0.0
227	25	0.87	0.0	-6.61e-06	-0.06	0.0	3.50	-8.68	8.28	1.43e-03	-0.83	0.87
		0.0	-0.83	1.97e-05	0.0	10.0	3.50	-8.74	8.28	1.43e-03	0.0	0.0
227	26	0.93	0.0	-6.39e-06	-0.06	0.0	3.73	-9.26	9.17	6.83e-04	-0.92	0.93
		0.0	-0.92	1.31e-05	0.0	10.0	3.73	-9.32	9.17	6.83e-04	0.0	0.0
227	28	0.99	0.0	2.73e-05	-0.06	0.0	-2.38	-9.85	8.50	-7.02e-04	-0.85	0.99
		0.0	-0.85	-2.91e-05	0.0	10.0	-2.38	-9.91	8.50	-7.02e-04	0.0	0.0
227	36	1.06	0.0	1.60e-05	-0.06	0.0	-1.25	-10.57	9.94	-1.43e-03	-0.99	1.06
		0.0	-0.99	-2.53e-05	0.0	10.0	-1.25	-10.63	9.94	-1.43e-03	0.0	0.0
227	38	1.04	0.0	5.74e-06	-0.06	0.0	0.92	-10.40	10.17	-8.49e-04	-1.02	1.04
		0.0	-1.02	-1.16e-05	0.0	10.0	0.92	-10.47	10.17	-8.49e-04	0.0	0.0
227	55	0.92	0.0	2.30e-05	-0.06	0.0	-2.73	-9.19	7.67	-2.91e-04	-0.77	0.92
		0.0	-0.77	-2.03e-05	0.0	10.0	-2.73	-9.25	7.67	-2.91e-04	0.0	0.0
227	57	0.88	0.0	-1.86e-06	-0.06	0.0	2.53	-8.79	8.28	1.12e-03	-0.83	0.88
		0.0	-0.83	1.28e-05	0.0	10.0	2.53	-8.85	8.28	1.12e-03	0.0	0.0
227	58	0.93	0.0	-1.67e-06	-0.06	0.0	2.74	-9.30	9.02	4.66e-04	-0.90	0.93
		0.0	-0.90	7.29e-06	0.0	10.0	2.74	-9.36	9.02	4.66e-04	0.0	0.0
227	60	0.98	0.0	2.28e-05	-0.06	0.0	-1.75	-9.74	8.49	-5.50e-04	-0.85	0.98
		0.0	-0.85	-2.35e-05	0.0	10.0	-1.75	-9.80	8.49	-5.50e-04	0.0	0.0
227	68	1.04	0.0	1.46e-05	-0.06	0.0	-0.93	-10.39	9.71	-1.22e-03	-0.97	1.04
		0.0	-0.97	-2.20e-05	0.0	10.0	-0.93	-10.45	9.71	-1.22e-03	0.0	0.0
227	70	1.03	0.0	7.17e-06	-0.06	0.0	0.64	-10.27	9.90	-7.92e-04	-0.99	1.03
		0.0	-0.99	-1.20e-05	0.0	10.0	0.64	-10.33	9.90	-7.92e-04	0.0	0.0
227	84	1.02	0.0	1.09e-05	-0.06	0.0	-0.13	-10.22	9.65	-8.94e-04	-0.97	1.02
		0.0	-0.97	-1.59e-05	0.0	10.0	-0.13	-10.28	9.65	-8.94e-04	0.0	0.0

227	85	0.85	0.0	1.04e-05	-0.06	0.0	-0.30	-8.48	7.24	1.07e-03	-0.72	0.85
		0.0	-0.72	1.77e-06	0.0	10.0	-0.30	-8.54	7.24	1.07e-03	0.0	0.0
227	86	1.00	0.0	1.09e-05	-0.06	0.0	0.31	-10.01	9.45	-8.95e-04	-0.94	1.00
		0.0	-0.94	-1.48e-05	0.0	10.0	0.31	-10.07	9.45	-8.95e-04	0.0	0.0
227	91	0.93	0.0	3.11e-05	-0.06	0.0	-4.45	-9.25	7.39	-6.47e-04	-0.74	0.93
		0.0	-0.74	-3.02e-05	0.0	10.0	-4.45	-9.31	7.39	-6.47e-04	0.0	0.0
227	93	0.86	0.0	-1.00e-05	-0.06	0.0	4.20	-8.58	8.28	1.68e-03	-0.83	0.86
		0.0	-0.83	2.47e-05	0.0	10.0	4.20	-8.64	8.28	1.68e-03	0.0	0.0
227	94	0.93	0.0	-9.79e-06	-0.06	0.0	4.46	-9.24	9.30	8.23e-04	-0.93	0.93
		0.0	-0.93	1.72e-05	0.0	10.0	4.46	-9.30	9.30	8.23e-04	0.0	0.0
227	96	1.00	0.0	3.05e-05	-0.06	0.0	-2.84	-9.96	8.52	-8.30e-04	-0.85	1.00
		0.0	-0.85	-3.33e-05	0.0	10.0	-2.84	-10.02	8.52	-8.30e-04	0.0	0.0
227	104	1.08	0.0	1.71e-05	-0.06	0.0	-1.49	-10.77	10.19	-1.65e-03	-1.02	1.08
		0.0	-1.02	-2.83e-05	0.0	10.0	-1.49	-10.83	10.19	-1.65e-03	0.0	0.0
227	106	1.06	0.0	4.72e-06	-0.06	0.0	1.11	-10.56	10.45	-9.51e-04	-1.05	1.06
		0.0	-1.05	-1.19e-05	0.0	10.0	1.11	-10.63	10.45	-9.51e-04	0.0	0.0
228	1	0.43	0.0	-4.76e-04	-2.19	0.0	1.76	1.10	0.0	3.64e-04	0.0	0.0
		0.0	0.0	1.03e-05	0.0	158.0	1.76	-1.10	0.0	3.64e-04	0.0	0.0
228	2	0.43	0.0	-4.73e-04	-2.19	0.0	2.75	1.10	0.0	1.50e-03	0.0	0.0
		0.0	0.0	4.98e-05	0.0	158.0	2.75	-1.10	0.0	1.50e-03	0.0	0.0
228	7	0.33	0.0	-3.67e-04	-1.69	0.0	0.71	0.84	0.0	3.17e-04	0.0	0.0
		0.0	0.0	7.52e-06	0.0	158.0	0.71	-0.84	0.0	3.17e-04	0.0	0.0
228	9	0.33	0.0	-3.66e-04	-1.69	0.0	1.43	0.84	0.0	2.76e-04	0.0	0.0
		0.0	0.0	7.99e-06	0.0	158.0	1.43	-0.84	0.0	2.76e-04	0.0	0.0
228	10	0.33	0.0	-3.64e-04	-1.69	0.0	2.09	0.84	0.0	1.03e-03	0.0	0.0
		0.0	0.0	3.43e-05	0.0	158.0	2.09	-0.84	0.0	1.03e-03	0.0	0.0
228	11	0.33	0.0	-3.66e-04	-1.69	0.0	1.11	0.84	0.0	2.94e-04	0.0	0.0
		0.0	0.0	7.78e-06	0.0	158.0	1.11	-0.84	0.0	2.94e-04	0.0	0.0
228	13	0.33	0.0	-3.65e-04	-1.69	0.0	1.91	0.84	0.0	2.48e-04	0.0	0.0
		0.0	0.0	8.31e-06	0.0	158.0	1.91	-0.84	0.0	2.48e-04	0.0	0.0
228	14	0.33	0.0	-3.64e-04	-1.69	0.0	2.24	0.84	0.0	6.27e-04	0.0	0.0
		0.0	0.0	2.15e-05	0.0	158.0	2.24	-0.84	0.0	6.27e-04	0.0	0.0
228	15	0.33	0.0	-3.65e-04	-1.69	0.0	1.75	0.84	0.0	2.58e-04	0.0	0.0
		0.0	0.0	8.20e-06	0.0	158.0	1.75	-0.84	0.0	2.58e-04	0.0	0.0
228	17	0.33	0.0	-3.65e-04	-1.69	0.0	1.91	0.84	0.0	2.48e-04	0.0	0.0
		0.0	0.0	8.31e-06	0.0	158.0	1.91	-0.84	0.0	2.48e-04	0.0	0.0
228	18	0.33	0.0	-3.64e-04	-1.69	0.0	2.11	0.84	0.0	4.76e-04	0.0	0.0
		0.0	0.0	1.62e-05	0.0	158.0	2.11	-0.84	0.0	4.76e-04	0.0	0.0
228	27	0.33	0.0	-9.13e-04	-1.69	0.0	11.96	0.84	0.0	7.64e-03	0.0	0.0
		0.0	0.0	2.68e-04	0.0	158.0	11.96	-0.84	0.0	7.64e-03	0.0	0.0
228	28	0.33	0.0	-9.14e-04	-1.69	0.0	10.85	0.84	0.0	7.05e-03	0.0	0.0
		0.0	0.0	2.62e-04	0.0	158.0	10.85	-0.84	0.0	7.05e-03	0.0	0.0
228	29	0.33	0.0	8.77e-04	-1.69	0.0	-6.64	0.84	0.0	-6.09e-03	0.0	0.0
		0.0	0.0	-2.30e-04	0.0	158.0	-6.64	-0.84	0.0	-6.09e-03	0.0	0.0
228	30	0.33	0.0	8.75e-04	-1.69	0.0	-7.74	0.84	0.0	-6.69e-03	0.0	0.0
		0.0	0.0	-2.35e-04	0.0	158.0	-7.74	-0.84	0.0	-6.69e-03	0.0	0.0
228	48	0.33	0.0	-5.07e-04	-1.69	0.0	3.10	0.84	0.0	1.28e-03	0.0	0.0
		0.0	0.0	5.77e-05	0.0	158.0	3.10	-0.84	0.0	1.28e-03	0.0	0.0
228	49	0.33	0.0	2.68e-04	-1.69	0.0	1.11	0.84	0.0	-3.32e-04	0.0	0.0
		0.0	0.0	-2.52e-05	0.0	158.0	1.11	-0.84	0.0	-3.32e-04	0.0	0.0
228	59	0.33	0.0	-7.40e-04	-1.69	0.0	9.36	0.84	0.0	5.72e-03	0.0	0.0
		0.0	0.0	2.00e-04	0.0	158.0	9.36	-0.84	0.0	5.72e-03	0.0	0.0
228	60	0.33	0.0	-7.41e-04	-1.69	0.0	8.38	0.84	0.0	5.25e-03	0.0	0.0
		0.0	0.0	1.95e-04	0.0	158.0	8.38	-0.84	0.0	5.25e-03	0.0	0.0
228	61	0.33	0.0	6.39e-04	-1.69	0.0	-4.17	0.84	0.0	-4.30e-03	0.0	0.0
		0.0	0.0	-1.63e-04	0.0	158.0	-4.17	-0.84	0.0	-4.30e-03	0.0	0.0
228	62	0.33	0.0	6.38e-04	-1.69	0.0	-5.15	0.84	0.0	-4.77e-03	0.0	0.0
		0.0	0.0	-1.67e-04	0.0	158.0	-5.15	-0.84	0.0	-4.77e-03	0.0	0.0
228	80	0.33	0.0	-4.66e-04	-1.69	0.0	2.55	0.84	0.0	9.04e-04	0.0	0.0
		0.0	0.0	4.15e-05	0.0	158.0	2.55	-0.84	0.0	9.04e-04	0.0	0.0
228	81	0.33	0.0	-2.73e-04	-1.69	0.0	1.66	0.84	0.0	4.76e-05	0.0	0.0
		0.0	0.0	-9.13e-06	0.0	158.0	1.66	-0.84	0.0	4.76e-05	0.0	0.0
228	83	0.33	0.0	-3.64e-04	-1.69	0.0	3.58	0.84	0.0	1.17e-03	0.0	0.0
		0.0	0.0	2.28e-05	0.0	158.0	3.58	-0.84	0.0	1.17e-03	0.0	0.0
228	84	0.33	0.0	-3.65e-04	-1.69	0.0	0.63	0.84	0.0	-2.20e-04	0.0	0.0
		0.0	0.0	9.59e-06	0.0	158.0	0.63	-0.84	0.0	-2.20e-04	0.0	0.0
228	85	0.33	0.0	-3.63e-04	-1.69	0.0	3.53	0.84	0.0	1.44e-03	0.0	0.0
		0.0	0.0	4.23e-05	0.0	158.0	3.53	-0.84	0.0	1.44e-03	0.0	0.0
228	86	0.33	0.0	-3.66e-04	-1.69	0.0	0.68	0.84	0.0	-4.89e-04	0.0	0.0
		0.0	0.0	-9.89e-06	0.0	158.0	0.68	-0.84	0.0	-4.89e-04	0.0	0.0
228	95	0.33	0.0	-1.05e-03	-1.69	0.0	13.83	0.84	0.0	9.03e-03	0.0	0.0
		0.0	0.0	3.16e-04	0.0	158.0	13.83	-0.84	0.0	9.03e-03	0.0	0.0
228	96	0.33	0.0	-1.05e-03	-1.69	0.0	12.58	0.84	0.0	8.33e-03	0.0	0.0
		0.0	0.0	3.10e-04	0.0	158.0	12.58	-0.84	0.0	8.33e-03	0.0	0.0
228	97	0.33	0.0	1.05e-03	-1.69	0.0	-8.37	0.84	0.0	-7.38e-03	0.0	0.0

		0.0	0.0	-2.77e-04	0.0	158.0	-8.37	-0.84	0.0	-7.38e-03	0.0	0.0
228	98	0.33	0.0	1.04e-03	-1.69	0.0	-9.62	0.84	0.0	-8.07e-03	0.0	0.0
		0.0	0.0	-2.84e-04	0.0	158.0	-9.62	-0.84	0.0	-8.07e-03	0.0	0.0
228	116	0.33	0.0	-5.35e-04	-1.69	0.0	3.40	0.84	0.0	1.50e-03	0.0	0.0
		0.0	0.0	6.75e-05	0.0	158.0	3.40	-0.84	0.0	1.50e-03	0.0	0.0
228	117	0.33	0.0	3.19e-04	-1.69	0.0	0.81	0.84	0.0	-5.49e-04	0.0	0.0
		0.0	0.0	-3.51e-05	0.0	158.0	0.81	-0.84	0.0	-5.49e-04	0.0	0.0
234	2	1.36	0.0	5.50e-05	-7.64	0.0	-0.68	4.58	0.08	-0.03	-0.19	-1.69
		-1.69	-0.19	-3.09e-04	0.0	223.0	-0.68	-3.06	0.08	-0.03	0.0	0.0
234	3	1.13	0.0	5.60e-05	-5.87	0.0	-0.51	3.43	0.07	0.02	-0.17	-1.10
		-1.10	-0.17	-1.97e-04	0.0	223.0	-0.51	-2.44	0.07	0.02	0.0	0.0
234	5	1.48	0.0	8.68e-05	-7.64	0.0	-0.83	4.45	0.12	0.04	-0.27	-1.40
		-1.40	-0.27	-3.14e-04	0.0	223.0	-0.83	-3.19	0.12	0.04	0.0	0.0
234	6	1.41	0.0	8.24e-05	-7.64	0.0	-0.92	4.52	0.12	6.99e-03	-0.28	-1.57
		-1.57	-0.28	-3.85e-04	0.0	223.0	-0.92	-3.12	0.12	6.99e-03	0.0	0.0
234	9	1.12	0.0	4.33e-05	-5.87	0.0	-0.37	3.44	0.05	0.01	-0.12	-1.13
		-1.13	-0.12	-1.44e-04	0.0	223.0	-0.37	-2.43	0.05	0.01	0.0	0.0
234	10	1.05	0.0	3.91e-05	-5.87	0.0	-0.46	3.51	0.06	-0.02	-0.13	-1.28
		-1.28	-0.13	-2.11e-04	0.0	223.0	-0.46	-2.36	0.06	-0.02	0.0	0.0
234	11	1.13	0.0	6.03e-05	-5.87	0.0	-0.56	3.43	0.08	0.02	-0.18	-1.09
		-1.09	-0.18	-2.14e-04	0.0	223.0	-0.56	-2.45	0.08	0.02	0.0	0.0
234	12	1.09	0.0	5.73e-05	-5.87	0.0	-0.63	3.48	0.08	3.42e-03	-0.19	-1.20
		-1.20	-0.19	-2.61e-04	0.0	223.0	-0.63	-2.40	0.08	3.42e-03	0.0	0.0
234	13	1.10	0.0	-3.09e-05	-5.87	0.0	-0.08	3.47	0.01	-9.27e-03	-0.03	-1.18
		-1.18	-0.03	-3.81e-05	0.0	223.0	-0.08	-2.41	0.01	-9.27e-03	0.0	0.0
234	14	1.06	0.0	-2.99e-05	-5.87	0.0	-0.13	3.50	0.01	-0.02	-0.03	-1.26
		-1.26	-0.03	-7.19e-05	0.0	223.0	-0.13	-2.37	0.01	-0.02	0.0	0.0
234	15	1.10	0.0	-2.71e-05	-5.87	0.0	-0.18	3.46	0.03	-2.46e-03	-0.06	-1.16
		-1.16	-0.06	-7.33e-05	0.0	223.0	-0.18	-2.42	0.03	-2.46e-03	0.0	0.0
234	16	1.08	0.0	-2.65e-05	-5.87	0.0	-0.21	3.48	0.03	-0.01	-0.06	-1.21
		-1.21	-0.06	-9.36e-05	0.0	223.0	-0.21	-2.39	0.03	-0.01	0.0	0.0
234	17	1.10	0.0	-3.09e-05	-5.87	0.0	-0.08	3.47	0.01	-9.27e-03	-0.03	-1.18
		-1.18	-0.03	-3.81e-05	0.0	223.0	-0.08	-2.41	0.01	-9.27e-03	0.0	0.0
234	18	1.08	0.0	-3.03e-05	-5.87	0.0	-0.11	3.49	0.01	-0.02	-0.03	-1.23
		-1.23	-0.03	-5.84e-05	0.0	223.0	-0.11	-2.39	0.01	-0.02	0.0	0.0
234	20	0.90	2.96	-1.68e-04	-5.87	0.0	-5.43	3.70	-1.33	-0.01	2.96	-1.69
		-1.69	0.0	-4.90e-04	0.0	223.0	-5.43	-2.18	-1.33	-0.01	0.0	0.0
234	21	1.28	0.0	2.01e-04	-5.87	0.0	5.20	3.28	1.35	-0.02	-3.02	-0.76
		-0.76	-3.02	4.13e-04	0.0	223.0	5.20	-2.60	1.35	-0.02	0.0	0.0
234	27	0.58	3.50	-1.33e-04	-5.87	0.0	-4.56	4.12	-1.57	-0.02	3.50	-2.63
		-2.63	0.0	-2.22e-04	0.0	223.0	-4.56	-1.76	-1.57	-0.02	0.0	0.0
234	30	1.73	0.0	1.66e-04	-5.87	0.0	4.33	2.86	1.60	-0.02	-3.56	0.18
		0.0	-3.56	-2.25e-04	0.0	223.0	4.33	-3.02	1.60	-0.02	0.0	0.0
234	52	0.94	2.11	-1.13e-04	-5.87	0.0	-4.04	3.64	-0.95	-0.01	2.11	-1.57
		-1.57	0.0	-3.84e-04	0.0	223.0	-4.04	-2.23	-0.95	-0.01	0.0	0.0
234	53	1.23	0.0	1.46e-04	-5.87	0.0	3.81	3.33	0.97	-0.02	-2.17	-0.88
		-0.88	-2.17	3.03e-04	0.0	223.0	3.81	-2.54	0.97	-0.02	0.0	0.0
234	59	0.69	2.57	-9.73e-05	-5.87	0.0	-3.28	3.96	-1.15	-0.02	2.57	-2.28
		-2.28	0.0	-1.61e-04	0.0	223.0	-3.28	-1.92	-1.15	-0.02	0.0	0.0
234	62	1.55	0.0	1.30e-04	-5.87	0.0	3.06	3.02	1.18	-0.02	-2.63	-0.17
		-0.17	-2.63	-2.01e-04	0.0	223.0	3.06	-2.86	1.18	-0.02	0.0	0.0
234	83	0.92	0.42	-7.39e-05	-5.87	0.0	1.00	3.67	-0.19	-0.03	0.42	-1.64
		-1.64	0.0	2.86e-04	0.0	223.0	1.00	-2.20	-0.19	-0.03	0.0	0.0
234	84	1.26	0.0	1.00e-04	-5.87	0.0	-1.22	3.30	0.22	-0.01	-0.48	-0.81
		-0.81	-0.48	-4.03e-04	0.0	223.0	-1.22	-2.57	0.22	-0.01	0.0	0.0
234	88	0.87	3.56	-2.07e-04	-5.87	0.0	-6.45	3.74	-1.60	-0.01	3.56	-1.78
		-1.78	0.0	-5.72e-04	0.0	223.0	-6.45	-2.14	-1.60	-0.01	0.0	0.0
234	89	1.32	0.0	2.40e-04	-5.87	0.0	6.23	3.24	1.62	-0.03	-3.62	-0.67
		-0.67	-3.62	4.96e-04	0.0	223.0	6.23	-2.64	1.62	-0.03	0.0	0.0
234	95	0.50	4.18	-1.59e-04	-5.87	0.0	-5.45	4.23	-1.87	-0.02	4.18	-2.89
		-2.89	0.0	-2.64e-04	0.0	223.0	-5.45	-1.64	-1.87	-0.02	0.0	0.0
234	98	1.86	0.0	1.93e-04	-5.87	0.0	5.22	2.74	1.90	-0.02	-4.24	0.44
		0.0	-4.24	-2.49e-04	0.0	223.0	5.22	-3.13	1.90	-0.02	0.0	0.0
235	2	0.44	0.0	-4.50e-05	-1.78	0.0	-0.74	0.84	-6.35e-04	-9.39e-05	0.0	0.0
		-0.12	-1.43e-03	-8.76e-05	0.0	225.0	-0.74	-0.95	-6.35e-04	-9.39e-05	-1.43e-03	-0.12
235	4	0.37	0.0	-3.86e-05	-1.37	0.0	-0.78	0.67	-5.82e-04	-8.85e-05	0.0	0.0
		-0.04	-1.31e-03	-8.43e-05	0.0	225.0	-0.78	-0.70	-5.82e-04	-8.85e-05	-1.31e-03	-0.04
235	5	0.31	6.02e-04	4.84e-05	-1.78	0.0	0.71	0.70	2.68e-04	-1.05e-04	0.0	0.0
		-0.43	0.0	-2.90e-05	0.0	225.0	0.71	-1.08	2.68e-04	-1.05e-04	6.02e-04	-0.43
235	7	0.23	7.23e-04	5.48e-05	-1.37	0.0	0.68	0.53	3.21e-04	-9.97e-05	0.0	0.0
		-0.34	0.0	-2.57e-05	0.0	225.0	0.68	-0.84	3.21e-04	-9.97e-05	7.23e-04	-0.34
235	10	0.33	0.0	-3.28e-05	-1.37	0.0	-0.48	0.63	-4.47e-04	-6.50e-05	0.0	0.0
		-0.12	-1.01e-03	-5.99e-05	0.0	225.0	-0.48	-0.74	-4.47e-04	-6.50e-05	-1.01e-03	-0.12
235	11	0.24	3.48e-04	2.94e-05	-1.37	0.0	0.49	0.54	1.55e-04	-7.24e-05	0.0	0.0
		-0.33	0.0	-2.08e-05	0.0	225.0	0.49	-0.83	1.55e-04	-7.24e-05	3.48e-04	-0.33

235	14	0.29	0.0	-4.16e-05	-1.37	0.0	-0.29	0.60	-4.13e-04	-2.50e-05	0.0	0.0
		-0.20	-9.29e-04	-3.25e-05	0.0	225.0	-0.29	-0.77	-4.13e-04	-2.50e-05	-9.29e-04	-0.20
235	15	0.25	0.0	-1.47e-05	-1.37	0.0	0.19	0.55	-1.12e-04	-2.87e-05	0.0	0.0
		-0.30	-2.52e-04	-1.30e-05	0.0	225.0	0.19	-0.82	-1.12e-04	-2.87e-05	-2.52e-04	-0.30
235	17	0.25	0.0	-2.13e-05	-1.37	0.0	0.12	0.56	-1.79e-04	-1.78e-05	0.0	0.0
		-0.29	-4.02e-04	-1.10e-05	0.0	225.0	0.12	-0.82	-1.79e-04	-1.78e-05	-4.02e-04	-0.29
235	18	0.28	0.0	-3.35e-05	-1.37	0.0	-0.13	0.58	-3.19e-04	-2.21e-05	0.0	0.0
		-0.24	-7.18e-04	-2.39e-05	0.0	225.0	-0.13	-0.79	-3.19e-04	-2.21e-05	-7.18e-04	-0.24
235	19	0.27	0.0	-2.45e-04	-1.37	0.0	-6.46	0.58	-1.60	0.01	0.0	0.0
		-0.24	-3.60	-1.98e-04	0.0	225.0	-6.46	-0.79	-1.60	0.01	-3.60	-0.24
235	22	0.28	3.60	1.78e-04	-1.37	0.0	6.20	0.58	1.60	-0.01	0.0	0.0
		-0.23	0.0	-1.96e-04	0.0	225.0	6.20	-0.79	1.60	-0.01	3.60	-0.23
235	31	0.27	0.0	-1.60e-04	-1.37	0.0	-4.25	0.58	-1.91	-5.99e-03	0.0	0.0
		-0.25	-4.30	1.12e-03	0.0	225.0	-4.25	-0.79	-1.91	-5.99e-03	-4.30	-0.25
235	34	0.28	4.30	9.35e-05	-1.37	0.0	3.99	0.59	1.91	5.95e-03	0.0	0.0
		-0.23	0.0	-1.16e-03	0.0	225.0	3.99	-0.79	1.91	5.95e-03	4.30	-0.23
235	40	0.26	0.0	5.50e-05	-1.37	0.0	1.27	0.56	-0.55	-2.49e-03	0.0	0.0
		-0.28	-1.23	4.45e-04	0.0	225.0	1.27	-0.81	-0.55	-2.49e-03	-1.23	-0.28
235	41	0.30	1.23	-1.22e-04	-1.37	0.0	-1.53	0.60	0.55	2.44e-03	0.0	0.0
		-0.19	0.0	-4.93e-04	0.0	225.0	-1.53	-0.77	0.55	2.44e-03	1.23	-0.19
235	51	0.28	0.0	-1.93e-04	-1.37	0.0	-4.85	0.58	-1.17	7.59e-03	0.0	0.0
		-0.24	-2.63	-1.55e-04	0.0	225.0	-4.85	-0.79	-1.17	7.59e-03	-2.63	-0.24
235	54	0.28	2.62	1.26e-04	-1.37	0.0	4.59	0.58	1.17	-7.63e-03	0.0	0.0
		-0.23	0.0	-1.44e-04	0.0	225.0	4.59	-0.79	1.17	-7.63e-03	2.62	-0.23
235	63	0.27	0.0	-1.31e-04	-1.37	0.0	-3.24	0.58	-1.39	-4.39e-03	0.0	0.0
		-0.24	-3.14	8.18e-04	0.0	225.0	-3.24	-0.79	-1.39	-4.39e-03	-3.14	-0.24
235	66	0.28	3.14	6.39e-05	-1.37	0.0	2.98	0.58	1.39	4.35e-03	0.0	0.0
		-0.23	0.0	-8.60e-04	0.0	225.0	2.98	-0.79	1.39	4.35e-03	3.14	-0.23
235	72	0.26	0.0	4.93e-05	-1.37	0.0	1.27	0.56	-0.39	-1.91e-03	0.0	0.0
		-0.27	-0.89	3.40e-04	0.0	225.0	1.27	-0.81	-0.39	-1.91e-03	-0.89	-0.27
235	73	0.29	0.89	-1.16e-04	-1.37	0.0	-1.53	0.60	0.39	1.86e-03	0.0	0.0
		-0.20	0.0	-3.87e-04	0.0	225.0	-1.53	-0.77	0.39	1.86e-03	0.89	-0.20
235	83	0.29	0.0	-1.27e-04	-1.37	0.0	-2.08	0.59	-0.02	4.10e-04	0.0	0.0
		-0.21	-0.04	-1.41e-04	0.0	225.0	-2.08	-0.78	-0.02	4.10e-04	-0.04	-0.21
235	84	0.26	0.04	6.04e-05	-1.37	0.0	1.82	0.57	0.02	-4.54e-04	0.0	0.0
		-0.27	0.0	9.32e-05	0.0	225.0	1.82	-0.80	0.02	-4.54e-04	0.04	-0.27
235	85	0.29	0.0	-1.10e-04	-1.37	0.0	-1.85	0.59	-0.04	9.16e-04	0.0	0.0
		-0.21	-0.09	7.79e-05	0.0	225.0	-1.85	-0.78	-0.04	9.16e-04	-0.09	-0.21
235	86	0.27	0.08	4.29e-05	-1.37	0.0	1.59	0.57	0.04	-9.61e-04	0.0	0.0
		-0.26	0.0	-1.26e-04	0.0	225.0	1.59	-0.80	0.04	-9.61e-04	0.08	-0.26
235	87	0.27	0.0	-2.84e-04	-1.37	0.0	-7.67	0.58	-1.92	0.01	0.0	0.0
		-0.24	-4.31	-2.31e-04	0.0	225.0	-7.67	-0.79	-1.92	0.01	-4.31	-0.24
235	90	0.28	4.31	2.17e-04	-1.37	0.0	7.41	0.58	1.92	-0.01	0.0	0.0
		-0.23	0.0	-2.33e-04	0.0	225.0	7.41	-0.79	1.92	-0.01	4.31	-0.23
235	99	0.27	0.0	-1.83e-04	-1.37	0.0	-5.01	0.58	-2.28	-7.14e-03	0.0	0.0
		-0.25	-5.13	1.34e-03	0.0	225.0	-5.01	-0.80	-2.28	-7.14e-03	-5.13	-0.25
235	102	0.28	5.13	1.16e-04	-1.37	0.0	4.75	0.59	2.28	7.10e-03	0.0	0.0
		-0.22	0.0	-1.38e-03	0.0	225.0	4.75	-0.78	2.28	7.10e-03	5.13	-0.22
235	108	0.25	0.0	6.52e-05	-1.37	0.0	1.40	0.56	-0.65	-2.93e-03	0.0	0.0
		-0.29	-1.47	5.28e-04	0.0	225.0	1.40	-0.81	-0.65	-2.93e-03	-1.47	-0.29
235	109	0.30	1.47	-1.32e-04	-1.37	0.0	-1.66	0.60	0.65	2.89e-03	0.0	0.0
		-0.18	0.0	-5.76e-04	0.0	225.0	-1.66	-0.77	0.65	2.89e-03	1.47	-0.18
236	2	1.28	0.0	4.78e-05	-7.64	0.0	0.69	4.68	0.09	-5.12e-05	-0.20	-1.92
		-1.92	-0.20	-3.14e-04	0.0	223.0	0.69	-2.96	0.09	-5.12e-05	0.0	0.0
236	3	1.15	0.0	5.87e-05	-5.87	0.0	0.53	3.41	0.07	-2.11e-04	-0.16	-1.05
		-1.05	-0.16	-1.92e-04	0.0	223.0	0.53	-2.47	0.07	-2.11e-04	0.0	0.0
236	5	1.51	0.0	7.41e-05	-7.64	0.0	0.86	4.42	0.11	-2.65e-04	-0.25	-1.35
		-1.35	-0.25	-3.05e-04	0.0	223.0	0.86	-3.21	0.11	-2.65e-04	0.0	0.0
236	6	1.35	0.0	5.29e-05	-7.64	0.0	0.95	4.60	0.12	-1.03e-04	-0.27	-1.73
		-1.73	-0.27	-3.82e-04	0.0	223.0	0.95	-3.04	0.12	-1.03e-04	0.0	0.0
236	9	1.15	0.0	6.06e-05	-5.87	0.0	0.38	3.41	0.05	-2.20e-04	-0.11	-1.06
		-1.06	-0.11	-1.41e-04	0.0	223.0	0.38	-2.46	0.05	-2.20e-04	0.0	0.0
236	10	1.00	0.0	4.05e-05	-5.87	0.0	0.47	3.58	0.06	-6.58e-05	-0.14	-1.43
		-1.43	-0.14	-2.15e-04	0.0	223.0	0.47	-2.30	0.06	-6.58e-05	0.0	0.0
236	11	1.16	0.0	5.80e-05	-5.87	0.0	0.58	3.41	0.08	-2.08e-04	-0.17	-1.04
		-1.04	-0.17	-2.09e-04	0.0	223.0	0.58	-2.47	0.08	-2.08e-04	0.0	0.0
236	12	1.05	0.0	4.39e-05	-5.87	0.0	0.64	3.52	0.08	-1.00e-04	-0.19	-1.30
		-1.30	-0.19	-2.60e-04	0.0	223.0	0.64	-2.35	0.08	-1.00e-04	0.0	0.0
236	13	1.14	0.0	6.45e-05	-5.87	0.0	0.09	3.42	0.01	-2.38e-04	-0.03	-1.08
		-1.08	-0.03	-3.94e-05	0.0	223.0	0.09	-2.45	0.01	-2.38e-04	0.0	0.0
236	14	1.06	0.0	5.44e-05	-5.87	0.0	0.13	3.51	0.02	-1.61e-04	-0.04	-1.27
		-1.27	-0.04	-7.62e-05	0.0	223.0	0.13	-2.37	0.02	-1.61e-04	0.0	0.0
236	15	1.14	0.0	6.32e-05	-5.87	0.0	0.19	3.42	0.03	-2.32e-04	-0.06	-1.08
		-1.08	-0.06	-7.33e-05	0.0	223.0	0.19	-2.45	0.03	-2.32e-04	0.0	0.0
236	16	1.09	0.0	5.72e-05	-5.87	0.0	0.21	3.47	0.03	-1.86e-04	-0.07	-1.19

		-1.19	-0.07	-9.54e-05	0.0	223.0	0.21	-2.41	0.03	-1.86e-04	0.0	0.0
236	17	1.14	0.0	6.45e-05	-5.87	0.0	0.09	3.42	0.01	-2.38e-04	-0.03	-1.08
		-1.08	-0.03	-3.94e-05	0.0	223.0	0.09	-2.45	0.01	-2.38e-04	0.0	0.0
236	18	1.09	0.0	5.85e-05	-5.87	0.0	0.11	3.47	0.02	-1.92e-04	-0.04	-1.19
		-1.19	-0.04	-6.15e-05	0.0	223.0	0.11	-2.40	0.02	-1.92e-04	0.0	0.0
236	19	5.05	3.57	6.29e-04	-5.87	0.0	-11.47	0.72	-1.60	1.15e-03	3.57	4.96
		0.0	0.0	-3.53e-04	0.0	223.0	-11.47	-5.16	-1.60	1.15e-03	0.0	0.0
236	22	0.0	0.0	-5.12e-04	-5.87	0.0	11.70	6.23	1.63	-1.53e-03	-3.65	-7.34
		-7.34	-3.65	3.01e-04	0.0	223.0	11.70	0.36	1.63	-1.53e-03	0.0	0.0
236	27	7.31	3.80	6.13e-04	-5.87	0.0	-11.24	-0.34	-1.70	2.01e-03	3.80	7.31
		0.0	0.0	-2.30e-04	0.0	223.0	-11.24	-6.21	-1.70	2.01e-03	0.0	0.0
236	30	0.0	0.0	-4.96e-04	-5.87	0.0	11.46	7.28	1.74	-2.39e-03	-3.87	-9.69
		-9.69	-3.87	-2.69e-04	0.0	223.0	11.46	1.41	1.74	-2.39e-03	0.0	0.0
236	31	7.32	3.74	6.09e-04	-5.87	0.0	-11.23	-0.34	-1.68	1.97e-03	3.74	7.32
		0.0	0.0	-2.22e-04	0.0	223.0	-11.23	-6.22	-1.68	1.97e-03	0.0	0.0
236	34	0.0	0.0	-4.92e-04	-5.87	0.0	11.45	7.29	1.71	-2.36e-03	-3.82	-9.70
		-9.70	-3.82	-2.79e-04	0.0	223.0	11.45	1.41	1.71	-2.36e-03	0.0	0.0
236	51	3.70	2.61	4.74e-04	-5.87	0.0	-8.36	1.46	-1.17	7.78e-04	2.61	3.29
		0.0	0.0	-2.55e-04	0.0	223.0	-8.36	-4.41	-1.17	7.78e-04	0.0	0.0
236	54	0.03	0.0	-3.57e-04	-5.87	0.0	8.59	5.48	1.20	-1.16e-03	-2.68	-5.68
		-5.68	-2.68	2.05e-04	0.0	223.0	8.59	-0.39	1.20	-1.16e-03	0.0	0.0
236	59	5.09	2.78	4.63e-04	-5.87	0.0	-8.21	0.70	-1.25	1.40e-03	2.78	5.00
		0.0	0.0	-1.67e-04	0.0	223.0	-8.21	-5.18	-1.25	1.40e-03	0.0	0.0
236	62	0.0	0.0	-3.46e-04	-5.87	0.0	8.44	6.25	1.28	-1.78e-03	-2.86	-7.39
		-7.39	-2.86	-2.34e-04	0.0	223.0	8.44	0.38	1.28	-1.78e-03	0.0	0.0
236	63	5.10	2.73	4.60e-04	-5.87	0.0	-8.20	0.69	-1.22	1.37e-03	2.73	5.01
		0.0	0.0	-1.61e-04	0.0	223.0	-8.20	-5.18	-1.22	1.37e-03	0.0	0.0
236	66	0.0	0.0	-3.43e-04	-5.87	0.0	8.43	6.25	1.26	-1.75e-03	-2.81	-7.40
		-7.40	-2.81	-2.39e-04	0.0	223.0	8.43	0.38	1.26	-1.75e-03	0.0	0.0
236	83	1.13	0.41	7.36e-05	-5.87	0.0	-1.00	3.43	-0.18	-5.07e-04	0.41	-1.10
		-1.10	0.0	2.82e-04	0.0	223.0	-1.00	-2.44	-0.18	-5.07e-04	0.0	0.0
236	84	1.05	0.0	4.34e-05	-5.87	0.0	1.23	3.51	0.22	1.23e-04	-0.49	-1.29
		-1.29	-0.49	-4.05e-04	0.0	223.0	1.23	-2.36	0.22	1.23e-04	0.0	0.0
236	85	1.14	0.26	6.34e-05	-5.87	0.0	-0.96	3.42	-0.12	-5.94e-04	0.26	-1.08
		-1.08	0.0	2.98e-04	0.0	223.0	-0.96	-2.45	-0.12	-5.94e-04	0.0	0.0
236	86	1.04	0.0	5.36e-05	-5.87	0.0	1.19	3.53	0.15	2.11e-04	-0.34	-1.31
		-1.31	-0.34	-4.21e-04	0.0	223.0	1.19	-2.35	0.15	2.11e-04	0.0	0.0
236	87	6.16	4.27	7.41e-04	-5.87	0.0	-13.74	0.17	-1.91	1.42e-03	4.27	6.16
		0.0	0.0	-4.21e-04	0.0	223.0	-13.74	-5.70	-1.91	1.42e-03	0.0	0.0
236	90	0.0	0.0	-6.24e-04	-5.87	0.0	13.97	6.77	1.95	-1.80e-03	-4.35	-8.55
		-8.55	-4.35	3.68e-04	0.0	223.0	13.97	0.90	1.95	-1.80e-03	0.0	0.0
236	95	8.95	4.53	7.20e-04	-5.87	0.0	-13.42	-1.08	-2.03	2.43e-03	4.53	8.95
		0.0	0.0	-2.73e-04	0.0	223.0	-13.42	-6.95	-2.03	2.43e-03	0.0	0.0
236	98	0.0	0.0	-6.03e-04	-5.87	0.0	13.64	8.02	2.07	-2.82e-03	-4.61	-11.34
		-11.34	-4.61	-3.01e-04	0.0	223.0	13.64	2.15	2.07	-2.82e-03	0.0	0.0
236	99	8.96	4.47	7.15e-04	-5.87	0.0	-13.40	-1.08	-2.00	2.40e-03	4.47	8.96
		0.0	0.0	-2.64e-04	0.0	223.0	-13.40	-6.96	-2.00	2.40e-03	0.0	0.0
236	102	0.0	0.0	-5.98e-04	-5.87	0.0	13.63	8.03	2.04	-2.78e-03	-4.55	-11.35
		-11.35	-4.55	-3.13e-04	0.0	223.0	13.63	2.15	2.04	-2.78e-03	0.0	0.0
237	2	0.39	-0.20	6.18e-05	-5.41	0.0	1.67	1.55	0.11	-3.58e-04	-0.37	0.05
		-1.79	-0.37	-8.85e-05	0.0	158.0	1.67	-3.86	0.11	-3.58e-04	-0.20	-1.79
237	3	0.11	-0.15	4.20e-06	-4.16	0.0	1.37	1.98	0.09	2.40e-04	-0.29	-0.63
		-0.79	-0.29	-3.28e-05	0.0	158.0	1.37	-2.18	0.09	2.40e-04	-0.15	-0.79
237	6	0.26	-0.27	3.97e-05	-5.41	0.0	2.27	1.92	0.16	4.52e-05	-0.52	-0.28
		-1.52	-0.52	-8.84e-05	0.0	158.0	2.27	-3.49	0.16	4.52e-05	-0.27	-1.52
237	9	0.12	-0.11	6.60e-06	-4.16	0.0	1.04	1.95	0.06	1.24e-04	-0.21	-0.60
		-0.81	-0.21	-2.49e-05	0.0	158.0	1.04	-2.21	0.06	1.24e-04	-0.11	-0.81
237	10	0.27	-0.14	4.27e-05	-4.16	0.0	1.17	1.28	0.07	-2.53e-04	-0.25	-0.04
		-1.30	-0.25	-6.02e-05	0.0	158.0	1.17	-2.88	0.07	-2.53e-04	-0.14	-1.30
237	12	0.19	-0.19	2.80e-05	-4.16	0.0	1.56	1.53	0.11	1.56e-05	-0.35	-0.26
		-1.13	-0.35	-6.02e-05	0.0	158.0	1.56	-2.63	0.11	1.56e-05	-0.19	-1.13
237	13	0.14	-0.03	1.17e-05	-4.16	0.0	0.39	1.87	3.83e-03	-1.09e-04	-0.04	-0.52
		-0.85	-0.04	-9.06e-06	0.0	158.0	0.39	-2.29	3.83e-03	-1.09e-04	-0.03	-0.85
237	14	0.21	-0.04	2.98e-05	-4.16	0.0	0.46	1.54	9.63e-03	-2.98e-04	-0.06	-0.24
		-1.10	-0.06	-2.67e-05	0.0	158.0	0.46	-2.62	9.63e-03	-2.98e-04	-0.04	-1.10
237	16	0.17	-0.07	2.06e-05	-4.16	0.0	0.65	1.70	0.03	-1.45e-04	-0.11	-0.38
		-0.98	-0.11	-2.49e-05	0.0	158.0	0.65	-2.46	0.03	-1.45e-04	-0.07	-0.98
237	17	0.14	-0.03	1.17e-05	-4.16	0.0	0.39	1.87	3.83e-03	-1.09e-04	-0.04	-0.52
		-0.85	-0.04	-9.06e-06	0.0	158.0	0.39	-2.29	3.83e-03	-1.09e-04	-0.03	-0.85
237	18	0.17	-0.04	2.24e-05	-4.16	0.0	0.43	1.67	7.31e-03	-2.22e-04	-0.05	-0.35
		-1.00	-0.05	-1.97e-05	0.0	158.0	0.43	-2.49	7.31e-03	-2.22e-04	-0.04	-1.00
237	25	16.75	3.61	8.08e-04	-4.16	0.0	-0.95	-19.98	-4.42	0.01	3.61	16.75
		-17.97	-3.37	1.48e-03	0.0	158.0	-0.95	-24.14	-4.42	0.01	-3.37	-17.97
237	26	16.62	3.17	8.07e-04	-4.16	0.0	0.69	-19.81	-4.27	0.01	3.17	16.62
		-18.11	-3.59	1.42e-03	0.0	158.0	0.69	-23.97	-4.27	0.01	-3.59	-18.11

237	32	12.48	3.52	-8.88e-04	-4.16	0.0	1.83	18.91	4.73	-0.01	-3.94	-13.97
		-13.97	-3.94	-1.38e-03	0.0	158.0	1.83	14.74	4.73	-0.01	3.52	12.48
237	33	13.26	3.84	9.33e-04	-4.16	0.0	-0.97	-15.56	-4.72	0.01	3.84	13.26
		-14.47	-3.60	1.34e-03	0.0	158.0	-0.97	-19.72	-4.72	0.01	-3.60	-14.47
237	40	3.21	0.51	-2.60e-04	-4.16	0.0	3.49	7.04	1.61	-2.80e-03	-1.79	-4.64
		-4.64	-1.79	-4.15e-04	0.0	158.0	3.49	2.88	1.61	-2.80e-03	0.51	3.21
237	41	3.93	1.69	3.05e-04	-4.16	0.0	-2.63	-3.69	-1.59	2.35e-03	1.69	3.93
		-5.21	-0.58	3.76e-04	0.0	158.0	-2.63	-7.86	-1.59	2.35e-03	-0.58	-5.21
237	53	12.07	2.61	5.95e-04	-4.16	0.0	-0.74	-14.04	-3.20	7.78e-03	2.61	12.07
		-13.40	-2.39	1.05e-03	0.0	158.0	-0.74	-18.20	-3.20	7.78e-03	-2.39	-13.40
237	58	11.96	2.26	5.92e-04	-4.16	0.0	0.74	-13.91	-3.09	8.12e-03	2.26	11.96
		-13.42	-2.64	1.02e-03	0.0	158.0	0.74	-18.07	-3.09	8.12e-03	-2.64	-13.42
237	64	8.80	2.53	-6.41e-04	-4.16	0.0	1.58	14.22	3.45	-7.94e-03	-2.91	-10.27
		-10.27	-2.91	-1.01e-03	0.0	158.0	1.58	10.06	3.45	-7.94e-03	2.53	8.80
237	65	9.56	2.81	6.86e-04	-4.16	0.0	-0.72	-10.87	-3.44	7.50e-03	2.81	9.56
		-10.80	-2.61	9.72e-04	0.0	158.0	-0.72	-15.04	-3.44	7.50e-03	-2.61	-10.80
237	72	2.09	0.26	-1.85e-04	-4.16	0.0	3.11	5.61	1.18	-2.06e-03	-1.40	-3.50
		-3.50	-1.40	-3.06e-04	0.0	158.0	3.11	1.45	1.18	-2.06e-03	0.26	2.09
237	73	2.79	1.30	2.30e-04	-4.16	0.0	-2.25	-2.27	-1.17	1.61e-03	1.30	2.79
		-4.08	-0.34	2.67e-04	0.0	158.0	-2.25	-6.43	-1.17	1.61e-03	-0.34	-4.08
237	83	0.24	0.44	3.00e-05	-4.16	0.0	-1.86	1.50	-0.13	-6.98e-04	0.44	-0.18
		-1.11	0.41	-4.40e-05	0.0	158.0	-1.86	-2.66	-0.13	-6.98e-04	0.41	-1.11
237	84	0.13	-0.49	1.51e-05	-4.16	0.0	2.72	1.85	0.15	2.54e-04	-0.54	-0.53
		-0.88	-0.54	3.07e-05	0.0	158.0	2.72	-2.31	0.15	2.54e-04	-0.49	-0.88
237	85	0.34	0.52	2.48e-05	-4.16	0.0	-1.73	1.47	-0.18	-7.49e-04	0.52	-0.19
		-0.82	0.26	5.38e-05	0.0	158.0	-1.73	-2.70	-0.18	-7.49e-04	0.26	-0.82
237	86	6.56e-03	-0.34	2.13e-05	-4.16	0.0	2.59	1.88	0.20	3.04e-04	-0.62	-0.52
		-1.17	-0.62	-9.31e-05	0.0	158.0	2.59	-2.28	0.20	3.04e-04	-0.34	-1.17
237	93	20.14	4.32	9.64e-04	-4.16	0.0	-1.17	-24.27	-5.30	0.01	4.32	20.14
		-21.33	-4.04	1.78e-03	0.0	158.0	-1.17	-28.43	-5.30	0.01	-4.04	-21.33
237	94	19.99	3.83	9.62e-04	-4.16	0.0	0.69	-24.07	-5.13	0.01	3.83	19.99
		-21.50	-4.29	1.71e-03	0.0	158.0	0.69	-28.23	-5.13	0.01	-4.29	-21.50
237	100	15.09	4.22	-1.06e-03	-4.16	0.0	2.05	22.25	5.64	-0.01	-4.68	-16.61
		-16.61	-4.68	-1.64e-03	0.0	158.0	2.05	18.09	5.64	-0.01	4.22	15.09
237	101	15.90	4.58	1.11e-03	-4.16	0.0	-1.19	-18.90	-5.63	0.01	4.58	15.90
		-17.09	-4.30	1.60e-03	0.0	158.0	-1.19	-23.06	-5.63	0.01	-4.30	-17.09
237	108	4.02	0.65	-3.15e-04	-4.16	0.0	3.90	8.07	1.91	-3.32e-03	-2.09	-5.46
		-5.46	-2.09	-4.92e-04	0.0	158.0	3.90	3.91	1.91	-3.32e-03	0.65	4.02
237	109	4.75	1.99	3.60e-04	-4.16	0.0	-3.04	-4.73	-1.90	2.87e-03	1.99	4.75
		-6.02	-0.73	4.53e-04	0.0	158.0	-3.04	-8.89	-1.90	2.87e-03	-0.73	-6.02
238	2	1.94	0.0	-1.91e-04	-7.64	0.0	0.74	3.65	-0.17	-2.67e-03	0.0	0.0
		-0.37	-0.37	1.54e-04	0.0	223.0	0.74	-3.98	-0.17	-2.67e-03	-0.37	-0.37
238	3	1.20	0.0	-8.51e-05	-5.87	0.0	0.57	2.51	-0.13	-4.26e-04	0.0	0.0
		-0.94	-0.29	1.73e-04	0.0	223.0	0.57	-3.36	-0.13	-4.26e-04	-0.29	-0.94
238	5	1.53	0.0	-1.05e-04	-7.64	0.0	0.92	3.24	-0.21	-6.45e-04	0.0	0.0
		-1.28	-0.48	2.83e-04	0.0	223.0	0.92	-4.39	-0.21	-6.45e-04	-0.48	-1.28
238	6	1.78	0.0	-1.57e-04	-7.64	0.0	1.02	3.50	-0.23	-2.18e-03	0.0	0.0
		-0.71	-0.52	2.65e-04	0.0	223.0	1.02	-4.14	-0.23	-2.18e-03	-0.52	-0.71
238	9	1.22	0.0	-9.00e-05	-5.87	0.0	0.41	2.54	-0.09	-3.43e-04	0.0	0.0
		-0.89	-0.21	1.21e-04	0.0	223.0	0.41	-3.34	-0.09	-3.43e-04	-0.21	-0.89
238	10	1.46	0.0	-1.40e-04	-5.87	0.0	0.50	2.78	-0.11	-1.80e-03	0.0	0.0
		-0.35	-0.25	1.05e-04	0.0	223.0	0.50	-3.10	-0.11	-1.80e-03	-0.25	-0.35
238	11	1.19	0.0	-8.35e-05	-5.87	0.0	0.63	2.51	-0.14	-4.53e-04	0.0	0.0
		-0.96	-0.32	1.91e-04	0.0	223.0	0.63	-3.37	-0.14	-4.53e-04	-0.32	-0.96
238	12	1.36	0.0	-1.18e-04	-5.87	0.0	0.69	2.68	-0.16	-1.47e-03	0.0	0.0
		-0.58	-0.35	1.79e-04	0.0	223.0	0.69	-3.20	-0.16	-1.47e-03	-0.35	-0.58
238	13	1.26	0.0	-9.98e-05	-5.87	0.0	0.09	2.58	-0.02	-1.77e-04	0.0	0.0
		-0.79	-0.04	1.71e-05	0.0	223.0	0.09	-3.29	-0.02	-1.77e-04	-0.04	-0.79
238	14	1.38	0.0	-1.25e-04	-5.87	0.0	0.13	2.70	-0.03	-9.07e-04	0.0	0.0
		-0.52	-0.06	1.05e-05	0.0	223.0	0.13	-3.17	-0.03	-9.07e-04	-0.06	-0.52
238	15	1.25	0.0	-9.64e-05	-5.87	0.0	0.19	2.57	-0.04	-2.32e-04	0.0	0.0
		-0.83	-0.09	5.18e-05	0.0	223.0	0.19	-3.31	-0.04	-2.32e-04	-0.09	-0.83
238	16	1.32	0.0	-1.12e-04	-5.87	0.0	0.22	2.64	-0.05	-6.70e-04	0.0	0.0
		-0.66	-0.11	4.69e-05	0.0	223.0	0.22	-3.24	-0.05	-6.70e-04	-0.11	-0.66
238	17	1.26	0.0	-9.98e-05	-5.87	0.0	0.09	2.58	-0.02	-1.77e-04	0.0	0.0
		-0.79	-0.04	1.71e-05	0.0	223.0	0.09	-3.29	-0.02	-1.77e-04	-0.04	-0.79
238	18	1.34	0.0	-1.15e-04	-5.87	0.0	0.11	2.65	-0.02	-6.15e-04	0.0	0.0
		-0.63	-0.05	1.27e-05	0.0	223.0	0.11	-3.22	-0.02	-6.15e-04	-0.05	-0.63
238	20	0.0	0.0	4.77e-04	-5.87	0.0	8.63	-0.11	-1.65	7.09e-04	0.0	0.0
		-6.80	-3.68	2.29e-04	0.0	223.0	8.63	-5.99	-1.65	7.09e-04	-3.68	-6.80
238	21	5.58	3.58	-6.97e-04	-5.87	0.0	-8.41	5.42	1.60	-1.94e-03	0.0	0.0
		0.0	0.0	-2.08e-04	0.0	223.0	-8.41	-0.45	1.60	-1.94e-03	3.58	5.54
238	32	0.0	0.0	5.07e-04	-5.87	0.0	8.29	-1.18	-1.77	1.48e-03	0.0	0.0
		-9.19	-3.94	4.22e-04	0.0	223.0	8.29	-7.06	-1.77	1.48e-03	-3.94	-9.19
238	33	7.92	3.84	-7.32e-04	-5.87	0.0	-8.06	6.49	1.72	-2.71e-03	0.0	0.0

		0.0	0.0	-3.99e-04	0.0	223.0	-8.06	0.62	1.72	-2.71e-03	3.84	7.92
238	52	0.07	0.0	3.18e-04	-5.87	0.0	6.36	0.63	-1.22	3.44e-04	0.0	0.0
		-5.13	-2.71	1.83e-04	0.0	223.0	6.36	-5.24	-1.22	3.44e-04	-2.71	-5.13
238	53	4.14	2.61	-5.38e-04	-5.87	0.0	-6.13	4.67	1.17	-1.57e-03	0.0	0.0
		0.0	0.0	-1.61e-04	0.0	223.0	-6.13	-1.20	1.17	-1.57e-03	2.61	3.87
238	64	0.0	0.0	3.40e-04	-5.87	0.0	6.12	-0.15	-1.31	8.91e-04	0.0	0.0
		-6.87	-2.91	3.24e-04	0.0	223.0	6.12	-6.02	-1.31	8.91e-04	-2.91	-6.87
238	65	5.64	2.81	-5.65e-04	-5.87	0.0	-5.90	5.45	1.26	-2.12e-03	0.0	0.0
		0.0	0.0	-3.01e-04	0.0	223.0	-5.90	-0.42	1.26	-2.12e-03	2.81	5.61
238	83	1.40	0.44	-1.31e-04	-5.87	0.0	-1.01	2.72	0.20	-2.82e-04	0.0	0.0
		-0.48	0.0	-3.67e-04	0.0	223.0	-1.01	-3.15	0.20	-2.82e-04	0.44	-0.48
238	84	1.27	0.0	-9.91e-05	-5.87	0.0	1.24	2.58	-0.24	-9.48e-04	0.0	0.0
		-0.79	-0.54	3.92e-04	0.0	223.0	1.24	-3.29	-0.24	-9.48e-04	-0.54	-0.79
238	85	1.44	0.52	-1.44e-04	-5.87	0.0	-0.94	2.76	0.23	-5.71e-05	0.0	0.0
		-0.39	0.0	-2.79e-04	0.0	223.0	-0.94	-3.11	0.23	-5.71e-05	0.52	-0.39
238	86	1.23	0.0	-8.77e-05	-5.87	0.0	1.17	2.54	-0.28	-1.17e-03	0.0	0.0
		-0.88	-0.62	3.04e-04	0.0	223.0	1.17	-3.33	-0.28	-1.17e-03	-0.62	-0.88
238	88	0.0	0.0	5.93e-04	-5.87	0.0	10.30	-0.66	-1.97	9.74e-04	0.0	0.0
		-8.01	-4.39	2.66e-04	0.0	223.0	10.30	-6.53	-1.97	9.74e-04	-4.39	-8.01
238	89	6.75	4.29	-8.13e-04	-5.87	0.0	-10.07	5.96	1.92	-2.20e-03	0.0	0.0
		0.0	0.0	-2.46e-04	0.0	223.0	-10.07	0.09	1.92	-2.20e-03	4.29	6.75
238	100	0.0	0.0	6.26e-04	-5.87	0.0	9.85	-1.92	-2.10	1.90e-03	0.0	0.0
		-10.84	-4.68	4.96e-04	0.0	223.0	9.85	-7.80	-2.10	1.90e-03	-4.68	-10.84
238	101	9.58	4.58	-8.51e-04	-5.87	0.0	-9.62	7.23	2.05	-3.13e-03	0.0	0.0
		0.0	0.0	-4.73e-04	0.0	223.0	-9.62	1.36	2.05	-3.13e-03	4.58	9.58
239	1	0.22	1.48e-04	6.33e-05	-1.78	0.0	2.37	0.60	6.59e-05	-2.11e-05	0.0	0.0
		-0.66	0.0	-2.03e-05	0.0	225.0	2.37	-1.18	6.59e-05	-2.11e-05	1.48e-04	-0.66
239	2	0.06	0.0	1.70e-04	-1.78	0.0	7.55	0.32	-6.37e-04	-4.46e-05	0.0	0.0
		-1.29	-1.43e-03	-8.41e-05	0.0	225.0	7.55	-1.46	-6.37e-04	-4.46e-05	-1.43e-03	-1.29
239	3	0.17	2.70e-04	5.97e-05	-1.37	0.0	1.92	0.46	1.20e-04	-1.84e-05	0.0	0.0
		-0.51	0.0	-1.71e-05	0.0	225.0	1.92	-0.91	1.20e-04	-1.84e-05	2.70e-04	-0.51
239	7	0.17	7.20e-04	9.14e-05	-1.37	0.0	2.18	0.45	3.20e-04	-2.48e-05	0.0	0.0
		-0.53	0.0	-2.15e-05	0.0	225.0	2.18	-0.92	3.20e-04	-2.48e-05	7.20e-04	-0.53
239	9	0.17	4.49e-05	4.38e-05	-1.37	0.0	1.79	0.46	1.99e-05	-1.52e-05	0.0	0.0
		-0.51	0.0	-1.49e-05	0.0	225.0	1.79	-0.91	1.99e-05	-1.52e-05	4.49e-05	-0.51
239	10	0.06	0.0	1.15e-04	-1.37	0.0	5.23	0.27	-4.48e-04	-3.09e-05	0.0	0.0
		-0.93	-1.01e-03	-5.75e-05	0.0	225.0	5.23	-1.10	-4.48e-04	-3.09e-05	-1.01e-03	-0.93
239	11	0.17	3.45e-04	6.50e-05	-1.37	0.0	1.96	0.46	1.53e-04	-1.95e-05	0.0	0.0
		-0.52	0.0	-1.78e-05	0.0	225.0	1.96	-0.92	1.53e-04	-1.95e-05	3.45e-04	-0.52
239	13	0.18	0.0	1.21e-05	-1.37	0.0	1.52	0.47	-1.80e-04	-8.88e-06	0.0	0.0
		-0.49	-4.05e-04	-1.05e-05	0.0	225.0	1.52	-0.90	-1.80e-04	-8.88e-06	-4.05e-04	-0.49
239	14	0.11	0.0	4.78e-05	-1.37	0.0	3.24	0.37	-4.14e-04	-1.67e-05	0.0	0.0
		-0.70	-9.32e-04	-3.18e-05	0.0	225.0	3.24	-1.00	-4.14e-04	-1.67e-05	-9.32e-04	-0.70
239	15	0.18	0.0	2.27e-05	-1.37	0.0	1.61	0.47	-1.13e-04	-1.10e-05	0.0	0.0
		-0.49	-2.55e-04	-1.20e-05	0.0	225.0	1.61	-0.91	-1.13e-04	-1.10e-05	-2.55e-04	-0.49
239	17	0.18	0.0	1.21e-05	-1.37	0.0	1.52	0.47	-1.80e-04	-8.88e-06	0.0	0.0
		-0.49	-4.05e-04	-1.05e-05	0.0	225.0	1.52	-0.90	-1.80e-04	-8.88e-06	-4.05e-04	-0.49
239	18	0.14	0.0	3.35e-05	-1.37	0.0	2.55	0.41	-3.21e-04	-1.36e-05	0.0	0.0
		-0.61	-7.21e-04	-2.33e-05	0.0	225.0	2.55	-0.96	-3.21e-04	-1.36e-05	-7.21e-04	-0.61
239	24	0.15	0.0	2.33e-04	-1.37	0.0	8.70	0.43	-1.58	0.01	0.0	0.0
		-0.58	-3.56	-1.92e-04	0.0	225.0	8.70	-0.94	-1.58	0.01	-3.56	-0.58
239	25	0.13	3.55	-1.66e-04	-1.37	0.0	-3.59	0.40	1.58	-0.01	0.0	0.0
		-0.65	0.0	-1.95e-04	0.0	225.0	-3.59	-0.97	1.58	-0.01	3.55	-0.65
239	31	0.14	0.0	8.81e-05	-1.37	0.0	5.10	0.41	-1.91	-3.53e-03	0.0	0.0
		-0.61	-4.30	1.12e-03	0.0	225.0	5.10	-0.96	-1.91	-3.53e-03	-4.30	-0.61
239	34	0.14	4.30	-2.11e-05	-1.37	0.0	4.90e-03	0.41	1.91	3.50e-03	0.0	0.0
		-0.62	0.0	-1.16e-03	0.0	225.0	4.90e-03	-0.96	1.91	3.50e-03	4.30	-0.62
239	48	0.16	0.0	1.71e-04	-1.37	0.0	6.00	0.44	-0.52	-2.62e-03	0.0	0.0
		-0.56	-1.17	2.12e-04	0.0	225.0	6.00	-0.93	-0.52	-2.62e-03	-1.17	-0.56
239	49	0.12	1.17	-1.04e-04	-1.37	0.0	-0.89	0.39	0.52	2.59e-03	0.0	0.0
		-0.67	0.0	-2.48e-04	0.0	225.0	-0.89	-0.98	0.52	2.59e-03	1.17	-0.67
239	56	0.15	0.0	1.84e-04	-1.37	0.0	7.13	0.42	-1.15	8.76e-03	0.0	0.0
		-0.59	-2.58	-1.52e-04	0.0	225.0	7.13	-0.95	-1.15	8.76e-03	-2.58	-0.59
239	57	0.13	2.58	-1.17e-04	-1.37	0.0	-2.02	0.40	1.15	-8.79e-03	0.0	0.0
		-0.64	0.0	-1.42e-04	0.0	225.0	-2.02	-0.97	1.15	-8.79e-03	2.58	-0.64
239	63	0.14	0.0	6.84e-05	-1.37	0.0	4.30	0.41	-1.39	-2.60e-03	0.0	0.0
		-0.61	-3.14	8.17e-04	0.0	225.0	4.30	-0.96	-1.39	-2.60e-03	-3.14	-0.61
239	66	0.14	3.14	-2.30e-06	-1.37	0.0	0.81	0.41	1.39	2.57e-03	0.0	0.0
		-0.62	0.0	-8.57e-04	0.0	225.0	0.81	-0.96	1.39	2.57e-03	3.14	-0.62
239	80	0.15	0.0	1.50e-04	-1.37	0.0	5.43	0.43	-0.37	-2.14e-03	0.0	0.0
		-0.57	-0.84	1.29e-04	0.0	225.0	5.43	-0.94	-0.37	-2.14e-03	-0.84	-0.57
239	81	0.12	0.84	-8.28e-05	-1.37	0.0	-0.32	0.39	0.37	2.11e-03	0.0	0.0
		-0.66	0.0	-1.64e-04	0.0	225.0	-0.32	-0.98	0.37	2.11e-03	0.84	-0.66
239	85	0.13	0.0	-5.39e-05	-1.37	0.0	0.62	0.40	-0.04	1.10e-03	0.0	0.0
		-0.65	-0.09	7.80e-05	0.0	225.0	0.62	-0.98	-0.04	1.10e-03	-0.09	-0.65

239	86	0.15	0.08	1.21e-04	-1.37	0.0	4.49	0.43	0.04	-1.13e-03	0.0	0.0
		-0.58	0.0	-1.25e-04	0.0	225.0	4.49	-0.94	0.04	-1.13e-03	0.08	-0.58
239	92	0.15	0.0	2.71e-04	-1.37	0.0	9.87	0.43	-1.89	0.01	0.0	0.0
		-0.58	-4.26	-2.23e-04	0.0	225.0	9.87	-0.94	-1.89	0.01	-4.26	-0.58
239	93	0.13	4.26	-2.04e-04	-1.37	0.0	-4.76	0.40	1.89	-0.01	0.0	0.0
		-0.65	0.0	-2.32e-04	0.0	225.0	-4.76	-0.97	1.89	-0.01	4.26	-0.65
239	99	0.14	0.0	1.01e-04	-1.37	0.0	5.64	0.41	-2.28	-4.19e-03	0.0	0.0
		-0.61	-5.13	1.34e-03	0.0	225.0	5.64	-0.96	-2.28	-4.19e-03	-5.13	-0.61
239	102	0.14	5.13	-3.35e-05	-1.37	0.0	-0.53	0.41	2.28	4.17e-03	0.0	0.0
		-0.62	0.0	-1.38e-03	0.0	225.0	-0.53	-0.96	2.28	4.17e-03	5.13	-0.62
239	116	0.16	0.0	1.91e-04	-1.37	0.0	6.54	0.44	-0.63	-3.04e-03	0.0	0.0
		-0.55	-1.41	2.64e-04	0.0	225.0	6.54	-0.93	-0.63	-3.04e-03	-1.41	-0.55
239	117	0.12	1.41	-1.24e-04	-1.37	0.0	-1.43	0.38	0.63	3.01e-03	0.0	0.0
		-0.68	0.0	-3.01e-04	0.0	225.0	-1.43	-0.99	0.63	3.01e-03	1.41	-0.68
240	1	0.04	0.0	-1.73e-05	-0.66	0.0	-1.04	0.49	1.66e-05	-2.14e-05	-3.37e-05	-0.33
		-0.33	-3.37e-05	-1.92e-05	0.0	203.0	-1.04	-0.17	1.66e-05	-2.14e-05	0.0	0.0
240	3	0.03	0.0	-2.13e-05	-0.51	0.0	-1.03	0.39	1.58e-05	-1.48e-05	-3.21e-05	-0.27
		-0.27	-3.21e-05	-1.62e-05	0.0	203.0	-1.03	-0.12	1.58e-05	-1.48e-05	0.0	0.0
240	4	6.54e-03	6.28e-06	-8.47e-05	-0.51	0.0	-1.32	0.45	-3.09e-06	4.27e-05	6.28e-06	-0.40
		-0.40	0.0	-7.44e-05	0.0	203.0	-1.32	-0.06	-3.09e-06	4.27e-05	0.0	0.0
240	5	0.03	0.0	-4.03e-05	-0.66	0.0	-1.71	0.53	2.54e-05	-1.67e-05	-5.16e-05	-0.39
		-0.39	-5.16e-05	-2.35e-05	0.0	203.0	-1.71	-0.14	2.54e-05	-1.67e-05	0.0	0.0
240	6	0.01	0.0	-8.47e-05	-0.66	0.0	-1.91	0.57	1.22e-05	2.35e-05	-2.47e-05	-0.48
		-0.48	-2.47e-05	-6.42e-05	0.0	203.0	-1.91	-0.09	1.22e-05	2.35e-05	0.0	0.0
240	9	0.04	0.0	-9.81e-06	-0.51	0.0	-0.69	0.37	1.14e-05	-1.71e-05	-2.32e-05	-0.24
		-0.24	-2.32e-05	-1.41e-05	0.0	203.0	-0.69	-0.14	1.14e-05	-1.71e-05	0.0	0.0
240	10	0.02	2.43e-06	-5.20e-05	-0.51	0.0	-0.89	0.41	-1.20e-06	2.12e-05	2.43e-06	-0.32
		-0.32	0.0	-5.28e-05	0.0	203.0	-0.89	-0.10	-1.20e-06	2.12e-05	0.0	0.0
240	11	0.03	0.0	-2.51e-05	-0.51	0.0	-1.14	0.40	1.73e-05	-1.40e-05	-3.51e-05	-0.29
		-0.29	-3.51e-05	-1.69e-05	0.0	203.0	-1.14	-0.11	1.73e-05	-1.40e-05	0.0	0.0
240	12	0.01	0.0	-5.47e-05	-0.51	0.0	-1.28	0.42	8.47e-06	1.28e-05	-1.72e-05	-0.34
		-0.34	-1.72e-05	-4.41e-05	0.0	203.0	-1.28	-0.09	8.47e-06	1.28e-05	0.0	0.0
240	13	0.06	0.0	1.32e-05	-0.51	0.0	-0.02	0.34	2.59e-06	-2.18e-05	-5.26e-06	-0.17
		-0.17	-5.26e-06	-9.78e-06	0.0	203.0	-0.02	-0.17	2.59e-06	-2.18e-05	0.0	0.0
240	14	0.04	7.54e-06	-7.96e-06	-0.51	0.0	-0.11	0.36	-3.71e-06	-2.64e-06	7.54e-06	-0.21
		-0.21	0.0	-2.92e-05	0.0	203.0	-0.11	-0.15	-3.71e-06	-2.64e-06	0.0	0.0
240	15	0.05	0.0	5.51e-06	-0.51	0.0	-0.24	0.35	5.53e-06	-2.02e-05	-1.12e-05	-0.19
		-0.19	-1.12e-05	-1.12e-05	0.0	203.0	-0.24	-0.16	5.53e-06	-2.02e-05	0.0	0.0
240	16	0.04	0.0	-7.17e-06	-0.51	0.0	-0.30	0.36	1.75e-06	-8.75e-06	-3.55e-06	-0.22
		-0.22	-3.55e-06	-2.28e-05	0.0	203.0	-0.30	-0.15	1.75e-06	-8.75e-06	0.0	0.0
240	17	0.06	0.0	1.32e-05	-0.51	0.0	-0.02	0.34	2.59e-06	-2.18e-05	-5.26e-06	-0.17
		-0.17	-5.26e-06	-9.78e-06	0.0	203.0	-0.02	-0.17	2.59e-06	-2.18e-05	0.0	0.0
240	18	0.05	2.42e-06	-1.72e-06	-0.51	0.0	-0.08	0.35	-1.19e-06	-1.03e-05	2.42e-06	-0.20
		-0.20	0.0	-2.14e-05	0.0	203.0	-0.08	-0.16	-1.19e-06	-1.03e-05	0.0	0.0
240	27	0.0	0.05	-1.31e-03	-0.51	0.0	10.05	1.63	-0.02	-6.58e-04	0.05	-2.80
		-2.80	0.0	-3.73e-04	0.0	203.0	10.05	1.12	-0.02	-6.58e-04	0.0	0.0
240	28	0.0	0.05	-1.37e-03	-0.51	0.0	9.56	1.71	-0.02	-6.31e-04	0.05	-2.96
		-2.96	0.0	-3.04e-04	0.0	203.0	9.56	1.20	-0.02	-6.31e-04	0.0	0.0
240	29	2.57	0.0	1.37e-03	-0.51	0.0	-9.71	-1.01	0.02	6.11e-04	-0.05	2.57
		0.0	-0.05	2.61e-04	0.0	203.0	-9.71	-1.52	0.02	6.11e-04	0.0	0.0
240	30	2.41	0.0	1.31e-03	-0.51	0.0	-10.20	-0.93	0.02	6.38e-04	-0.05	2.41
		0.0	-0.05	3.30e-04	0.0	203.0	-10.20	-1.44	0.02	6.38e-04	0.0	0.0
240	31	0.0	0.05	-1.31e-03	-0.51	0.0	10.02	1.64	-0.02	-6.57e-04	0.05	-2.80
		-2.80	0.0	-1.94e-04	0.0	203.0	10.02	1.13	-0.02	-6.57e-04	0.0	0.0
240	34	2.41	0.0	1.31e-03	-0.51	0.0	-10.17	-0.93	0.02	6.37e-04	-0.05	2.41
		0.0	-0.05	1.52e-04	0.0	203.0	-10.17	-1.44	0.02	6.37e-04	0.0	0.0
240	59	0.0	0.04	-9.49e-04	-0.51	0.0	7.32	1.28	-0.02	-4.85e-04	0.04	-2.08
		-2.08	0.0	-2.82e-04	0.0	203.0	7.32	0.77	-0.02	-4.85e-04	0.0	0.0
240	60	0.0	0.04	-9.99e-04	-0.51	0.0	6.90	1.35	-0.02	-4.61e-04	0.04	-2.22
		-2.22	0.0	-2.21e-04	0.0	203.0	6.90	0.84	-0.02	-4.61e-04	0.0	0.0
240	61	1.83	0.0	1.00e-03	-0.51	0.0	-7.06	-0.65	0.02	4.40e-04	-0.04	1.83
		0.0	-0.04	1.79e-04	0.0	203.0	-7.06	-1.16	0.02	4.40e-04	0.0	0.0
240	62	1.69	0.0	9.50e-04	-0.51	0.0	-7.48	-0.58	0.02	4.64e-04	-0.04	1.69
		0.0	-0.04	2.39e-04	0.0	203.0	-7.48	-1.09	0.02	4.64e-04	0.0	0.0
240	63	0.0	0.04	-9.51e-04	-0.51	0.0	7.29	1.28	-0.02	-4.84e-04	0.04	-2.08
		-2.08	0.0	-1.31e-04	0.0	203.0	7.29	0.77	-0.02	-4.84e-04	0.0	0.0
240	66	1.69	0.0	9.52e-04	-0.51	0.0	-7.45	-0.58	0.02	4.63e-04	-0.04	1.69
		0.0	-0.04	8.87e-05	0.0	203.0	-7.45	-1.09	0.02	4.63e-04	0.0	0.0
240	83	0.14	1.57e-04	7.51e-05	-0.51	0.0	0.55	0.24	-7.73e-05	-4.59e-05	1.57e-04	0.02
		0.0	0.0	-1.12e-04	0.0	203.0	0.55	-0.27	-7.73e-05	-4.59e-05	0.0	0.0
240	84	4.91e-03	0.0	-7.41e-05	-0.51	0.0	-0.71	0.46	7.49e-05	2.53e-05	-1.52e-04	-0.41
		-0.41	-1.52e-04	6.90e-05	0.0	203.0	-0.71	-0.05	7.49e-05	2.53e-05	0.0	0.0
240	85	0.13	3.25e-04	6.87e-05	-0.51	0.0	0.46	0.25	-1.60e-04	-4.33e-05	3.25e-04	0.01
		0.0	0.0	3.37e-04	0.0	203.0	0.46	-0.26	-1.60e-04	-4.33e-05	0.0	0.0
240	86	6.45e-03	0.0	-6.77e-05	-0.51	0.0	-0.61	0.45	1.58e-04	2.27e-05	-3.20e-04	-0.40

		-0.40	-3.20e-04	-3.80e-04	0.0	203.0	-0.61	-0.06	1.58e-04	2.27e-05	0.0	0.0
240	95	0.0	0.06	-1.57e-03	-0.51	0.0	12.01	1.88	-0.03	-7.83e-04	0.06	-3.31
		-3.31	0.0	-4.39e-04	0.0	203.0	12.01	1.37	-0.03	-7.83e-04	0.0	0.0
240	96	0.0	0.06	-1.63e-03	-0.51	0.0	11.44	1.98	-0.03	-7.52e-04	0.06	-3.49
		-3.49	0.0	-3.61e-04	0.0	203.0	11.44	1.47	-0.03	-7.52e-04	0.0	0.0
240	97	3.10	0.0	1.63e-03	-0.51	0.0	-11.59	-1.27	0.03	7.32e-04	-0.06	3.10
		0.0	-0.06	3.18e-04	0.0	203.0	-11.59	-1.78	0.03	7.32e-04	0.0	0.0
240	98	2.92	0.0	1.57e-03	-0.51	0.0	-12.16	-1.18	0.03	7.62e-04	-0.06	2.92
		0.0	-0.06	3.96e-04	0.0	203.0	-12.16	-1.69	0.03	7.62e-04	0.0	0.0
240	99	0.0	0.06	-1.57e-03	-0.51	0.0	11.97	1.89	-0.03	-7.82e-04	0.06	-3.31
		-3.31	0.0	-2.34e-04	0.0	203.0	11.97	1.38	-0.03	-7.82e-04	0.0	0.0
240	102	2.92	0.0	1.57e-03	-0.51	0.0	-12.12	-1.18	0.03	7.61e-04	-0.06	2.92
		0.0	-0.06	1.91e-04	0.0	203.0	-12.12	-1.69	0.03	7.61e-04	0.0	0.0
241	1	0.11	0.0	8.29e-05	-0.81	0.0	-0.20	0.27	-1.37e-05	-2.14e-05	0.0	0.0
		-0.33	-3.37e-05	-2.29e-05	0.0	247.0	-0.20	-0.53	-1.37e-05	-2.14e-05	-3.37e-05	-0.33
241	4	0.04	6.28e-06	1.16e-04	-0.62	0.0	-0.24	0.15	2.54e-06	4.27e-05	0.0	0.0
		-0.40	0.0	-9.06e-05	0.0	247.0	-0.24	-0.47	2.54e-06	4.27e-05	6.28e-06	-0.40
241	5	0.09	0.0	1.19e-04	-0.81	0.0	-0.40	0.24	-2.09e-05	-1.67e-05	0.0	0.0
		-0.39	-5.16e-05	-2.79e-05	0.0	247.0	-0.40	-0.56	-2.09e-05	-1.67e-05	-5.16e-05	-0.39
241	6	0.07	0.0	1.47e-04	-0.81	0.0	-0.41	0.21	-1.00e-05	2.35e-05	0.0	0.0
		-0.48	-2.47e-05	-7.78e-05	0.0	247.0	-0.41	-0.60	-1.00e-05	2.35e-05	-2.47e-05	-0.48
241	8	0.04	0.0	1.40e-04	-0.62	0.0	-0.43	0.14	-9.38e-06	3.01e-05	0.0	0.0
		-0.43	-2.32e-05	-7.42e-05	0.0	247.0	-0.43	-0.49	-9.38e-06	3.01e-05	-2.32e-05	-0.43
241	9	0.09	0.0	5.82e-05	-0.62	0.0	-0.12	0.21	-9.38e-06	-1.71e-05	0.0	0.0
		-0.24	-2.32e-05	-1.69e-05	0.0	247.0	-0.12	-0.41	-9.38e-06	-1.71e-05	-2.32e-05	-0.24
241	10	0.06	2.43e-06	8.46e-05	-0.62	0.0	-0.14	0.18	0.0	2.12e-05	0.0	0.0
		-0.32	0.0	-6.43e-05	0.0	247.0	-0.14	-0.44	0.0	2.12e-05	2.43e-06	-0.32
241	11	0.08	0.0	8.23e-05	-0.62	0.0	-0.25	0.19	-1.42e-05	-1.40e-05	0.0	0.0
		-0.29	-3.51e-05	-2.02e-05	0.0	247.0	-0.25	-0.43	-1.42e-05	-1.40e-05	-3.51e-05	-0.29
241	12	0.06	0.0	1.01e-04	-0.62	0.0	-0.26	0.17	-6.96e-06	1.28e-05	0.0	0.0
		-0.34	-1.72e-05	-5.34e-05	0.0	247.0	-0.26	-0.45	-6.96e-06	1.28e-05	-1.72e-05	-0.34
241	13	0.12	0.0	2.21e-05	-0.62	0.0	0.07	0.24	-2.13e-06	-2.18e-05	0.0	0.0
		-0.17	-5.26e-06	-1.18e-05	0.0	247.0	0.07	-0.38	-2.13e-06	-2.18e-05	-5.26e-06	-0.17
241	14	0.10	7.54e-06	3.53e-05	-0.62	0.0	0.06	0.22	3.05e-06	-2.64e-06	0.0	0.0
		-0.21	0.0	-3.56e-05	0.0	247.0	0.06	-0.40	3.05e-06	-2.64e-06	7.54e-06	-0.21
241	15	0.11	0.0	3.42e-05	-0.62	0.0	5.73e-03	0.23	-4.55e-06	-2.02e-05	0.0	0.0
		-0.19	-1.12e-05	-1.35e-05	0.0	247.0	5.73e-03	-0.39	-4.55e-06	-2.02e-05	-1.12e-05	-0.19
241	16	0.10	0.0	4.21e-05	-0.62	0.0	2.24e-03	0.22	-1.44e-06	-8.75e-06	0.0	0.0
		-0.22	-3.55e-06	-2.78e-05	0.0	247.0	2.24e-03	-0.40	-1.44e-06	-8.75e-06	-3.55e-06	-0.22
241	17	0.12	0.0	2.21e-05	-0.62	0.0	0.07	0.24	-2.13e-06	-2.18e-05	0.0	0.0
		-0.17	-5.26e-06	-1.18e-05	0.0	247.0	0.07	-0.38	-2.13e-06	-2.18e-05	-5.26e-06	-0.17
241	18	0.11	2.42e-06	3.00e-05	-0.62	0.0	0.07	0.23	0.0	-1.03e-05	0.0	0.0
		-0.20	0.0	-2.61e-05	0.0	247.0	0.07	-0.39	0.0	-1.03e-05	2.42e-06	-0.20
241	28	0.0	0.05	9.74e-04	-0.62	0.0	3.99	-0.89	0.02	-6.31e-04	0.0	0.0
		-2.96	0.0	-9.49e-04	0.0	247.0	3.99	-1.51	0.02	-6.31e-04	0.05	-2.96
241	29	2.57	0.0	-9.24e-04	-0.62	0.0	-3.86	1.35	-0.02	6.11e-04	0.0	0.0
		0.0	-0.05	8.97e-04	0.0	247.0	-3.86	0.73	-0.02	6.11e-04	-0.05	2.57
241	31	0.0	0.05	8.84e-04	-0.62	0.0	3.55	-0.82	0.02	-6.57e-04	0.0	0.0
		-2.80	0.0	-9.52e-04	0.0	247.0	3.55	-1.44	0.02	-6.57e-04	0.05	-2.80
241	32	0.0	0.05	9.72e-04	-0.62	0.0	4.01	-0.89	0.02	-6.32e-04	0.0	0.0
		-2.96	0.0	-1.03e-03	0.0	247.0	4.01	-1.51	0.02	-6.32e-04	0.05	-2.96
241	33	2.57	0.0	-9.23e-04	-0.62	0.0	-3.88	1.35	-0.02	6.12e-04	0.0	0.0
		0.0	-0.05	9.81e-04	0.0	247.0	-3.88	0.73	-0.02	6.12e-04	-0.05	2.57
241	34	2.41	0.0	-8.34e-04	-0.62	0.0	-3.42	1.29	-0.02	6.37e-04	0.0	0.0
		0.0	-0.05	8.99e-04	0.0	247.0	-3.42	0.67	-0.02	6.37e-04	-0.05	2.41
241	60	0.0	0.04	7.23e-04	-0.62	0.0	2.95	-0.59	0.01	-4.61e-04	0.0	0.0
		-2.22	0.0	-6.91e-04	0.0	247.0	2.95	-1.21	0.01	-4.61e-04	0.04	-2.22
241	61	1.83	0.0	-6.73e-04	-0.62	0.0	-2.82	1.05	-0.01	4.40e-04	0.0	0.0
		0.0	-0.04	6.39e-04	0.0	247.0	-2.82	0.43	-0.01	4.40e-04	-0.04	1.83
241	63	0.0	0.04	6.43e-04	-0.62	0.0	2.57	-0.53	0.01	-4.84e-04	0.0	0.0
		-2.08	0.0	-6.91e-04	0.0	247.0	2.57	-1.15	0.01	-4.84e-04	0.04	-2.08
241	64	0.0	0.04	7.21e-04	-0.62	0.0	2.97	-0.59	0.01	-4.62e-04	0.0	0.0
		-2.22	0.0	-7.67e-04	0.0	247.0	2.97	-1.21	0.01	-4.62e-04	0.04	-2.22
241	65	1.83	0.0	-6.72e-04	-0.62	0.0	-2.84	1.05	-0.01	4.41e-04	0.0	0.0
		0.0	-0.04	7.14e-04	0.0	247.0	-2.84	0.43	-0.01	4.41e-04	-0.04	1.83
241	66	1.69	0.0	-5.94e-04	-0.62	0.0	-2.43	0.99	-0.01	4.63e-04	0.0	0.0
		0.0	-0.04	6.38e-04	0.0	247.0	-2.43	0.37	-0.01	4.63e-04	-0.04	1.69
241	83	0.20	1.57e-04	-9.72e-05	-0.62	0.0	-0.48	0.32	6.35e-05	-4.59e-05	0.0	0.0
		0.0	0.0	-1.38e-04	0.0	247.0	-0.48	-0.30	6.35e-05	-4.59e-05	1.57e-04	0.02
241	84	0.04	0.0	1.56e-04	-0.62	0.0	0.62	0.14	-6.15e-05	2.53e-05	0.0	0.0
		-0.41	-1.52e-04	8.60e-05	0.0	247.0	0.62	-0.48	-6.15e-05	2.53e-05	-1.52e-04	-0.41
241	85	0.20	3.25e-04	-9.25e-05	-0.62	0.0	-0.54	0.31	1.32e-04	-4.33e-05	0.0	0.0
		0.0	0.0	8.84e-05	0.0	247.0	-0.54	-0.31	1.32e-04	-4.33e-05	3.25e-04	0.01
241	86	0.04	0.0	1.52e-04	-0.62	0.0	0.67	0.15	-1.30e-04	2.27e-05	0.0	0.0
		-0.40	-3.20e-04	-1.41e-04	0.0	247.0	0.67	-0.47	-1.30e-04	2.27e-05	-3.20e-04	-0.40

241	96	0.0	0.06	1.16e-03	-0.62	0.0	4.74	-1.10	0.02	-7.52e-04	0.0	0.0
		-3.49	0.0	-1.13e-03	0.0	247.0	4.74	-1.72	0.02	-7.52e-04	0.06	-3.49
241	97	3.10	0.0	-1.11e-03	-0.62	0.0	-4.61	1.57	-0.02	7.32e-04	0.0	0.0
		0.0	-0.06	1.08e-03	0.0	247.0	-4.61	0.95	-0.02	7.32e-04	-0.06	3.10
241	99	0.0	0.06	1.05e-03	-0.62	0.0	4.24	-1.03	0.02	-7.82e-04	0.0	0.0
		-3.31	0.0	-1.13e-03	0.0	247.0	4.24	-1.65	0.02	-7.82e-04	0.06	-3.31
241	100	0.0	0.06	1.15e-03	-0.62	0.0	4.76	-1.10	0.02	-7.53e-04	0.0	0.0
		-3.49	0.0	-1.23e-03	0.0	247.0	4.76	-1.72	0.02	-7.53e-04	0.06	-3.49
241	101	3.10	0.0	-1.10e-03	-0.62	0.0	-4.63	1.56	-0.02	7.33e-04	0.0	0.0
		0.0	-0.06	1.17e-03	0.0	247.0	-4.63	0.94	-0.02	7.33e-04	-0.06	3.10
241	102	2.92	0.0	-1.00e-03	-0.62	0.0	-4.11	1.49	-0.02	7.61e-04	0.0	0.0
		0.0	-0.06	1.08e-03	0.0	247.0	-4.11	0.87	-0.02	7.61e-04	-0.06	2.92
242	1	0.12	0.0	7.84e-05	-0.81	0.0	-0.46	0.28	-1.02e-05	5.24e-06	0.0	0.0
		-0.30	-2.53e-05	-2.44e-05	0.0	247.0	-0.46	-0.52	-1.02e-05	5.24e-06	-2.53e-05	-0.30
242	2	0.10	0.0	7.41e-05	-0.81	0.0	-0.21	0.25	-1.76e-06	2.38e-05	0.0	0.0
		-0.37	-4.34e-06	-9.57e-05	0.0	247.0	-0.21	-0.55	-1.76e-06	2.38e-05	-4.34e-06	-0.37
242	4	0.06	0.0	7.00e-05	-0.62	0.0	-0.24	0.18	-1.82e-06	1.41e-05	0.0	0.0
		-0.33	-4.50e-06	-9.21e-05	0.0	247.0	-0.24	-0.44	-1.82e-06	1.41e-05	-4.50e-06	-0.33
242	6	0.08	0.0	1.16e-04	-0.81	0.0	-0.69	0.24	-1.13e-05	-6.11e-06	0.0	0.0
		-0.41	-2.79e-05	-8.00e-05	0.0	247.0	-0.69	-0.57	-1.13e-05	-6.11e-06	-2.79e-05	-0.41
242	7	0.07	0.0	1.15e-04	-0.62	0.0	-0.90	0.18	-1.73e-05	-2.87e-05	0.0	0.0
		-0.31	-4.28e-05	-2.64e-05	0.0	247.0	-0.90	-0.44	-1.73e-05	-2.87e-05	-4.28e-05	-0.31
242	9	0.10	0.0	5.41e-05	-0.62	0.0	-0.29	0.22	-6.79e-06	7.77e-06	0.0	0.0
		-0.22	-1.68e-05	-1.79e-05	0.0	247.0	-0.29	-0.40	-6.79e-06	7.77e-06	-1.68e-05	-0.22
242	10	0.08	0.0	5.13e-05	-0.62	0.0	-0.12	0.20	-1.14e-06	2.01e-05	0.0	0.0
		-0.27	-2.82e-06	-6.54e-05	0.0	247.0	-0.12	-0.42	-1.14e-06	2.01e-05	-2.82e-06	-0.27
242	11	0.08	0.0	8.11e-05	-0.62	0.0	-0.56	0.20	-1.15e-05	-8.44e-06	0.0	0.0
		-0.26	-2.83e-05	-2.17e-05	0.0	247.0	-0.56	-0.42	-1.15e-05	-8.44e-06	-2.83e-05	-0.26
242	12	0.07	0.0	7.91e-05	-0.62	0.0	-0.44	0.19	-7.51e-06	0.0	0.0	0.0
		-0.30	-1.86e-05	-5.50e-05	0.0	247.0	-0.44	-0.43	-7.51e-06	0.0	-1.86e-05	-0.30
242	13	0.12	0.0	1.37e-05	-0.62	0.0	0.12	0.25	0.0	3.21e-05	0.0	0.0
		-0.16	0.0	-1.21e-05	0.0	247.0	0.12	-0.37	0.0	3.21e-05	0.0	-0.16
242	14	0.11	7.53e-06	1.22e-05	-0.62	0.0	0.20	0.24	3.05e-06	3.82e-05	0.0	0.0
		-0.18	0.0	-3.59e-05	0.0	247.0	0.20	-0.38	3.05e-06	3.82e-05	7.53e-06	-0.18
242	15	0.11	0.0	2.71e-05	-0.62	0.0	-0.02	0.24	-2.11e-06	2.40e-05	0.0	0.0
		-0.18	-5.22e-06	-1.41e-05	0.0	247.0	-0.02	-0.38	-2.11e-06	2.40e-05	-5.22e-06	-0.18
242	16	0.11	0.0	2.63e-05	-0.62	0.0	0.03	0.23	0.0	2.77e-05	0.0	0.0
		-0.19	-1.03e-06	-2.83e-05	0.0	247.0	0.03	-0.39	0.0	2.77e-05	-1.03e-06	-0.19
242	17	0.12	0.0	1.37e-05	-0.62	0.0	0.12	0.25	0.0	3.21e-05	0.0	0.0
		-0.16	0.0	-1.21e-05	0.0	247.0	0.12	-0.37	0.0	3.21e-05	0.0	-0.16
242	18	0.12	4.74e-06	1.28e-05	-0.62	0.0	0.17	0.24	1.92e-06	3.58e-05	0.0	0.0
		-0.17	0.0	-2.64e-05	0.0	247.0	0.17	-0.38	1.92e-06	3.58e-05	4.74e-06	-0.17
242	27	2.60	0.05	-9.43e-04	-0.62	0.0	-4.43	1.36	0.02	-6.01e-04	0.0	0.0
		0.0	0.0	-1.04e-03	0.0	247.0	-4.43	0.74	0.02	-6.01e-04	0.05	2.60
242	30	0.0	0.0	9.60e-04	-0.62	0.0	4.76	-0.88	-0.02	6.72e-04	0.0	0.0
		-2.94	-0.05	9.89e-04	0.0	247.0	4.76	-1.50	-0.02	6.72e-04	-0.05	-2.94
242	31	2.60	0.05	-9.41e-04	-0.62	0.0	-4.38	1.36	0.02	-6.01e-04	0.0	0.0
		0.0	0.0	-9.58e-04	0.0	247.0	-4.38	0.74	0.02	-6.01e-04	0.05	2.60
242	34	0.0	0.0	9.58e-04	-0.62	0.0	4.72	-0.88	-0.02	6.72e-04	0.0	0.0
		-2.94	-0.05	9.06e-04	0.0	247.0	4.72	-1.50	-0.02	6.72e-04	-0.05	-2.94
242	59	1.86	0.04	-6.92e-04	-0.62	0.0	-3.20	1.06	0.01	-4.26e-04	0.0	0.0
		0.0	0.0	-7.71e-04	0.0	247.0	-3.20	0.44	0.01	-4.26e-04	0.04	1.86
242	62	0.0	0.0	7.08e-04	-0.62	0.0	3.54	-0.58	-0.01	4.98e-04	0.0	0.0
		-2.20	-0.04	7.18e-04	0.0	247.0	3.54	-1.20	-0.01	4.98e-04	-0.04	-2.20
242	63	1.86	0.04	-6.90e-04	-0.62	0.0	-3.16	1.06	0.01	-4.26e-04	0.0	0.0
		0.0	0.0	-6.96e-04	0.0	247.0	-3.16	0.44	0.01	-4.26e-04	0.04	1.86
242	66	0.0	0.0	7.07e-04	-0.62	0.0	3.50	-0.58	-0.01	4.98e-04	0.0	0.0
		-2.20	-0.04	6.43e-04	0.0	247.0	3.50	-1.20	-0.01	4.98e-04	-0.04	-2.20
242	83	0.22	1.65e-04	-1.23e-04	-0.62	0.0	-0.31	0.33	6.68e-05	8.16e-05	0.0	0.0
		0.0	0.0	-1.38e-04	0.0	247.0	-0.31	-0.29	6.68e-05	8.16e-05	1.65e-04	0.06
242	84	0.04	0.0	1.49e-04	-0.62	0.0	0.65	0.15	-6.30e-05	-1.01e-05	0.0	0.0
		-0.40	-1.56e-04	8.56e-05	0.0	247.0	0.65	-0.47	-6.30e-05	-1.01e-05	-1.56e-04	-0.40
242	85	0.22	3.66e-04	-1.18e-04	-0.62	0.0	-0.18	0.33	1.48e-04	8.18e-05	0.0	0.0
		0.0	0.0	8.83e-05	0.0	247.0	-0.18	-0.29	1.48e-04	8.18e-05	3.66e-04	0.05
242	86	0.04	0.0	1.43e-04	-0.62	0.0	0.52	0.15	-1.44e-04	-1.02e-05	0.0	0.0
		-0.40	-3.57e-04	-1.41e-04	0.0	247.0	0.52	-0.47	-1.44e-04	-1.02e-05	-3.57e-04	-0.40
242	95	3.13	0.06	-1.12e-03	-0.62	0.0	-5.31	1.58	0.02	-7.25e-04	0.0	0.0
		0.0	0.0	-1.24e-03	0.0	247.0	-5.31	0.96	0.02	-7.25e-04	0.06	3.13
242	98	0.0	0.0	1.14e-03	-0.62	0.0	5.65	-1.10	-0.02	7.96e-04	0.0	0.0
		-3.48	-0.06	1.18e-03	0.0	247.0	5.65	-1.72	-0.02	7.96e-04	-0.06	-3.48
242	99	3.13	0.06	-1.12e-03	-0.62	0.0	-5.25	1.58	0.02	-7.25e-04	0.0	0.0
		0.0	0.0	-1.14e-03	0.0	247.0	-5.25	0.96	0.02	-7.25e-04	0.06	3.13
242	102	0.0	0.0	1.14e-03	-0.62	0.0	5.59	-1.10	-0.02	7.97e-04	0.0	0.0
		-3.47	-0.06	1.09e-03	0.0	247.0	5.59	-1.72	-0.02	7.97e-04	-0.06	-3.47
243	1	0.05	0.0	3.93e-06	-0.66	0.0	-1.40	0.48	1.24e-05	5.24e-06	-2.53e-05	-0.30

		-0.30	-2.53e-05	-2.03e-05	0.0	203.0	-1.40	-0.18	1.24e-05	5.24e-06	0.0	0.0
243	2	0.03	0.0	-6.08e-05	-0.66	0.0	-1.12	0.52	2.14e-06	2.38e-05	-4.34e-06	-0.37
		-0.37	-4.34e-06	-7.87e-05	0.0	203.0	-1.12	-0.15	2.14e-06	2.38e-05	0.0	0.0
243	3	0.03	0.0	-5.67e-06	-0.51	0.0	-1.43	0.38	1.25e-05	-4.38e-06	-2.54e-05	-0.25
		-0.25	-2.54e-05	-1.73e-05	0.0	203.0	-1.43	-0.13	1.25e-05	-4.38e-06	0.0	0.0
243	6	0.02	0.0	-5.76e-05	-0.66	0.0	-2.23	0.54	1.38e-05	-6.11e-06	-2.79e-05	-0.41
		-0.41	-2.79e-05	-6.60e-05	0.0	203.0	-2.23	-0.13	1.38e-05	-6.11e-06	0.0	0.0
243	7	0.02	0.0	-2.05e-05	-0.51	0.0	-2.46	0.41	2.11e-05	-2.87e-05	-4.28e-05	-0.31
		-0.31	-4.28e-05	-2.21e-05	0.0	203.0	-2.46	-0.10	2.11e-05	-2.87e-05	0.0	0.0
243	9	0.04	0.0	2.99e-06	-0.51	0.0	-0.92	0.36	8.26e-06	7.77e-06	-1.68e-05	-0.22
		-0.22	-1.68e-05	-1.48e-05	0.0	203.0	-0.92	-0.15	8.26e-06	7.77e-06	0.0	0.0
243	10	0.03	0.0	-3.83e-05	-0.51	0.0	-0.73	0.39	1.39e-06	2.01e-05	-2.82e-06	-0.27
		-0.27	-2.82e-06	-5.38e-05	0.0	203.0	-0.73	-0.12	1.39e-06	2.01e-05	0.0	0.0
243	11	0.03	0.0	-8.14e-06	-0.51	0.0	-1.61	0.38	1.40e-05	-8.44e-06	-2.83e-05	-0.26
		-0.26	-2.83e-05	-1.81e-05	0.0	203.0	-1.61	-0.13	1.40e-05	-8.44e-06	0.0	0.0
243	12	0.02	0.0	-3.62e-05	-0.51	0.0	-1.48	0.40	9.14e-06	0.0	-1.86e-05	-0.30
		-0.30	-1.86e-05	-4.54e-05	0.0	203.0	-1.48	-0.11	9.14e-06	0.0	0.0	0.0
243	13	0.06	0.0	1.66e-05	-0.51	0.0	0.11	0.33	0.0	3.21e-05	0.0	-0.16
		-0.16	0.0	-9.98e-06	0.0	203.0	0.11	-0.18	0.0	3.21e-05	0.0	0.0
243	14	0.05	7.53e-06	-5.11e-06	-0.51	0.0	0.20	0.34	-3.71e-06	3.82e-05	7.53e-06	-0.18
		-0.18	0.0	-2.95e-05	0.0	203.0	0.20	-0.17	-3.71e-06	3.82e-05	0.0	0.0
243	15	0.06	0.0	1.16e-05	-0.51	0.0	-0.24	0.34	2.57e-06	2.40e-05	-5.22e-06	-0.18
		-0.18	-5.22e-06	-1.16e-05	0.0	203.0	-0.24	-0.17	2.57e-06	2.40e-05	0.0	0.0
243	16	0.05	0.0	-2.45e-06	-0.51	0.0	-0.18	0.35	0.0	2.77e-05	-1.03e-06	-0.19
		-0.19	-1.03e-06	-2.33e-05	0.0	203.0	-0.18	-0.16	0.0	2.77e-05	0.0	0.0
243	17	0.06	0.0	1.66e-05	-0.51	0.0	0.11	0.33	0.0	3.21e-05	0.0	-0.16
		-0.16	0.0	-9.98e-06	0.0	203.0	0.11	-0.18	0.0	3.21e-05	0.0	0.0
243	18	0.06	4.74e-06	4.57e-06	-0.51	0.0	0.16	0.34	-2.34e-06	3.58e-05	4.74e-06	-0.17
		-0.17	0.0	-2.17e-05	0.0	203.0	0.16	-0.17	-2.34e-06	3.58e-05	0.0	0.0
243	27	2.60	0.05	1.36e-03	-0.51	0.0	-8.15	-1.03	-0.02	-6.01e-04	0.05	2.60
		0.0	0.0	-3.67e-04	0.0	203.0	-8.15	-1.54	-0.02	-6.01e-04	0.0	0.0
243	30	0.0	0.0	-1.35e-03	-0.51	0.0	8.48	1.71	0.02	6.72e-04	-0.05	-2.94
		-2.94	-0.05	3.23e-04	0.0	203.0	8.48	1.20	0.02	6.72e-04	0.0	0.0
243	31	2.60	0.05	1.36e-03	-0.51	0.0	-8.15	-1.03	-0.02	-6.01e-04	0.05	2.60
		0.0	0.0	-1.88e-04	0.0	203.0	-8.15	-1.54	-0.02	-6.01e-04	0.0	0.0
243	32	2.43	0.05	1.32e-03	-0.51	0.0	-8.76	-0.94	-0.02	-6.37e-04	0.05	2.43
		0.0	0.0	-4.76e-04	0.0	203.0	-8.76	-1.45	-0.02	-6.37e-04	0.0	0.0
243	33	0.0	0.0	-1.31e-03	-0.51	0.0	9.09	1.62	0.02	7.08e-04	-0.05	-2.77
		-2.77	-0.05	4.33e-04	0.0	203.0	9.09	1.11	0.02	7.08e-04	0.0	0.0
243	34	0.0	0.0	-1.35e-03	-0.51	0.0	8.47	1.70	0.02	6.72e-04	-0.05	-2.94
		-2.94	-0.05	1.45e-04	0.0	203.0	8.47	1.19	0.02	6.72e-04	0.0	0.0
243	59	1.86	0.04	9.98e-04	-0.51	0.0	-5.85	-0.66	-0.02	-4.26e-04	0.04	1.86
		0.0	0.0	-2.77e-04	0.0	203.0	-5.85	-1.17	-0.02	-4.26e-04	0.0	0.0
243	62	0.0	0.0	-9.88e-04	-0.51	0.0	6.17	1.34	0.02	4.98e-04	-0.04	-2.20
		-2.20	-0.04	2.34e-04	0.0	203.0	6.17	0.83	0.02	4.98e-04	0.0	0.0
243	63	1.86	0.04	9.97e-04	-0.51	0.0	-5.84	-0.66	-0.02	-4.26e-04	0.04	1.86
		0.0	0.0	-1.27e-04	0.0	203.0	-5.84	-1.17	-0.02	-4.26e-04	0.0	0.0
243	64	1.71	0.04	9.57e-04	-0.51	0.0	-6.38	-0.59	-0.02	-4.57e-04	0.04	1.71
		0.0	0.0	-3.67e-04	0.0	203.0	-6.38	-1.10	-0.02	-4.57e-04	0.0	0.0
243	65	0.0	0.0	-9.48e-04	-0.51	0.0	6.70	1.27	0.02	5.28e-04	-0.04	-2.05
		-2.05	-0.04	3.24e-04	0.0	203.0	6.70	0.76	0.02	5.28e-04	0.0	0.0
243	66	0.0	0.0	-9.88e-04	-0.51	0.0	6.17	1.34	0.02	4.98e-04	-0.04	-2.20
		-2.20	-0.04	8.38e-05	0.0	203.0	6.17	0.83	0.02	4.98e-04	0.0	0.0
243	83	0.16	1.65e-04	6.57e-05	-0.51	0.0	0.95	0.23	-8.13e-05	8.16e-05	1.65e-04	0.06
		0.0	0.0	-1.12e-04	0.0	203.0	0.95	-0.28	-8.13e-05	8.16e-05	0.0	0.0
243	84	6.25e-03	0.0	-5.66e-05	-0.51	0.0	-0.62	0.45	7.66e-05	-1.01e-05	-1.56e-04	-0.40
		-0.40	-1.56e-04	6.87e-05	0.0	203.0	-0.62	-0.06	7.66e-05	-1.01e-05	0.0	0.0
243	85	0.16	3.66e-04	6.46e-05	-0.51	0.0	0.97	0.23	-1.80e-04	8.18e-05	3.66e-04	0.05
		0.0	0.0	3.37e-04	0.0	203.0	0.97	-0.28	-1.80e-04	8.18e-05	0.0	0.0
243	86	7.12e-03	0.0	-5.55e-05	-0.51	0.0	-0.64	0.45	1.76e-04	-1.02e-05	-3.57e-04	-0.40
		-0.40	-3.57e-04	-3.80e-04	0.0	203.0	-0.64	-0.06	1.76e-04	-1.02e-05	0.0	0.0
243	95	3.13	0.06	1.63e-03	-0.51	0.0	-9.78	-1.29	-0.03	-7.25e-04	0.06	3.13
		0.0	0.0	-4.32e-04	0.0	203.0	-9.78	-1.80	-0.03	-7.25e-04	0.0	0.0
243	98	0.0	0.0	-1.62e-03	-0.51	0.0	10.11	1.97	0.03	7.96e-04	-0.06	-3.48
		-3.48	-0.06	3.89e-04	0.0	203.0	10.11	1.46	0.03	7.96e-04	0.0	0.0
243	99	3.13	0.06	1.63e-03	-0.51	0.0	-9.78	-1.29	-0.03	-7.25e-04	0.06	3.13
		0.0	0.0	-2.26e-04	0.0	203.0	-9.78	-1.80	-0.03	-7.25e-04	0.0	0.0
243	100	2.94	0.06	1.57e-03	-0.51	0.0	-10.48	-1.19	-0.03	-7.66e-04	0.06	2.94
		0.0	0.0	-5.59e-04	0.0	203.0	-10.48	-1.70	-0.03	-7.66e-04	0.0	0.0
243	101	0.0	0.0	-1.57e-03	-0.51	0.0	10.80	1.87	0.03	8.37e-04	-0.06	-3.28
		-3.28	-0.06	5.16e-04	0.0	203.0	10.80	1.36	0.03	8.37e-04	0.0	0.0
243	102	0.0	0.0	-1.62e-03	-0.51	0.0	10.11	1.97	0.03	7.97e-04	-0.06	-3.47
		-3.47	-0.06	1.83e-04	0.0	203.0	10.11	1.46	0.03	7.97e-04	0.0	0.0
244	1	1.06	0.0	-2.80e-03	-3.43	0.0	0.14	1.71	0.0	-1.38e-04	0.0	0.0
		0.0	0.0	-2.45e-05	0.0	247.0	0.14	-1.71	0.0	-1.38e-04	0.0	0.0

244	4	0.81	0.0	-2.13e-03	-2.64	0.0	0.09	1.32	0.0	-7.28e-05	0.0	0.0
		0.0	0.0	-9.76e-05	0.0	247.0	0.09	-1.32	0.0	-7.28e-05	0.0	0.0
244	5	1.06	0.0	-2.78e-03	-3.43	0.0	0.15	1.71	0.0	-1.90e-04	0.0	0.0
		0.0	0.0	-2.81e-05	0.0	247.0	0.15	-1.71	0.0	-1.90e-04	0.0	0.0
244	8	0.81	0.0	-2.11e-03	-2.64	0.0	0.11	1.32	0.0	-1.41e-04	0.0	0.0
		0.0	0.0	-7.79e-05	0.0	247.0	0.11	-1.32	0.0	-1.41e-04	0.0	0.0
244	9	0.81	0.0	-2.16e-03	-2.64	0.0	0.11	1.32	0.0	-9.78e-05	0.0	0.0
		0.0	0.0	-1.83e-05	0.0	247.0	0.11	-1.32	0.0	-9.78e-05	0.0	0.0
244	10	0.81	0.0	-2.14e-03	-2.64	0.0	0.10	1.32	0.0	-6.36e-05	0.0	0.0
		0.0	0.0	-7.00e-05	0.0	247.0	0.10	-1.32	0.0	-6.36e-05	0.0	0.0
244	11	0.81	0.0	-2.14e-03	-2.64	0.0	0.11	1.32	0.0	-1.33e-04	0.0	0.0
		0.0	0.0	-2.07e-05	0.0	247.0	0.11	-1.32	0.0	-1.33e-04	0.0	0.0
244	12	0.81	0.0	-2.13e-03	-2.64	0.0	0.10	1.32	0.0	-1.09e-04	0.0	0.0
		0.0	0.0	-5.69e-05	0.0	247.0	0.10	-1.32	0.0	-1.09e-04	0.0	0.0
244	13	0.81	0.0	-2.17e-03	-2.64	0.0	0.10	1.32	0.0	-4.53e-05	0.0	0.0
		0.0	0.0	-1.47e-05	0.0	247.0	0.10	-1.32	0.0	-4.53e-05	0.0	0.0
244	14	0.81	0.0	-2.17e-03	-2.64	0.0	0.09	1.32	0.0	-2.82e-05	0.0	0.0
		0.0	0.0	-4.05e-05	0.0	247.0	0.09	-1.32	0.0	-2.82e-05	0.0	0.0
244	15	0.81	0.0	-2.17e-03	-2.64	0.0	0.10	1.32	0.0	-6.28e-05	0.0	0.0
		0.0	0.0	-1.59e-05	0.0	247.0	0.10	-1.32	0.0	-6.28e-05	0.0	0.0
244	17	0.81	0.0	-2.17e-03	-2.64	0.0	0.10	1.32	0.0	-4.53e-05	0.0	0.0
		0.0	0.0	-1.47e-05	0.0	247.0	0.10	-1.32	0.0	-4.53e-05	0.0	0.0
244	18	0.81	0.0	-2.17e-03	-2.64	0.0	0.10	1.32	0.0	-3.50e-05	0.0	0.0
		0.0	0.0	-3.02e-05	0.0	247.0	0.10	-1.32	0.0	-3.50e-05	0.0	0.0
244	24	0.81	0.0	-1.74e-03	-2.64	0.0	-0.33	1.32	0.0	0.07	0.0	0.0
		0.0	0.0	-4.60e-03	0.0	247.0	-0.33	-1.32	0.0	0.07	0.0	0.0
244	25	0.81	0.0	-2.63e-03	-2.64	0.0	0.52	1.32	0.0	-0.07	0.0	0.0
		0.0	0.0	4.54e-03	0.0	247.0	0.52	-1.32	0.0	-0.07	0.0	0.0
244	27	0.81	0.0	-1.78e-03	-2.64	0.0	-0.38	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	-3.25e-03	0.0	247.0	-0.38	-1.32	0.0	0.05	0.0	0.0
244	30	0.81	0.0	-2.58e-03	-2.64	0.0	0.57	1.32	0.0	-0.05	0.0	0.0
		0.0	0.0	3.19e-03	0.0	247.0	0.57	-1.32	0.0	-0.05	0.0	0.0
244	32	0.81	0.0	-1.74e-03	-2.64	0.0	-0.41	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	-3.26e-03	0.0	247.0	-0.41	-1.32	0.0	0.05	0.0	0.0
244	33	0.81	0.0	-2.63e-03	-2.64	0.0	0.60	1.32	0.0	-0.05	0.0	0.0
		0.0	0.0	3.20e-03	0.0	247.0	0.60	-1.32	0.0	-0.05	0.0	0.0
244	56	0.81	0.0	-1.85e-03	-2.64	0.0	-0.22	1.32	0.0	0.05	0.0	0.0
		0.0	0.0	-3.35e-03	0.0	247.0	-0.22	-1.32	0.0	0.05	0.0	0.0
244	57	0.81	0.0	-2.50e-03	-2.64	0.0	0.41	1.32	0.0	-0.05	0.0	0.0
		0.0	0.0	3.29e-03	0.0	247.0	0.41	-1.32	0.0	-0.05	0.0	0.0
244	59	0.81	0.0	-1.88e-03	-2.64	0.0	-0.25	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	-2.38e-03	0.0	247.0	-0.25	-1.32	0.0	0.04	0.0	0.0
244	62	0.81	0.0	-2.46e-03	-2.64	0.0	0.44	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	2.32e-03	0.0	247.0	0.44	-1.32	0.0	-0.04	0.0	0.0
244	64	0.81	0.0	-1.84e-03	-2.64	0.0	-0.27	1.32	0.0	0.04	0.0	0.0
		0.0	0.0	-2.38e-03	0.0	247.0	-0.27	-1.32	0.0	0.04	0.0	0.0
244	65	0.81	0.0	-2.50e-03	-2.64	0.0	0.46	1.32	0.0	-0.04	0.0	0.0
		0.0	0.0	2.32e-03	0.0	247.0	0.46	-1.32	0.0	-0.04	0.0	0.0
244	83	0.81	0.0	-2.23e-03	-2.64	0.0	0.13	1.32	0.0	4.27e-04	0.0	0.0
		0.0	0.0	-1.36e-04	0.0	247.0	0.13	-1.32	0.0	4.27e-04	0.0	0.0
244	84	0.81	0.0	-2.11e-03	-2.64	0.0	0.06	1.32	0.0	-4.97e-04	0.0	0.0
		0.0	0.0	7.55e-05	0.0	247.0	0.06	-1.32	0.0	-4.97e-04	0.0	0.0
244	85	0.81	0.0	-2.23e-03	-2.64	0.0	0.13	1.32	0.0	9.33e-04	0.0	0.0
		0.0	0.0	9.23e-05	0.0	247.0	0.13	-1.32	0.0	9.33e-04	0.0	0.0
244	86	0.81	0.0	-2.11e-03	-2.64	0.0	0.06	1.32	0.0	-1.00e-03	0.0	0.0
		0.0	0.0	-1.53e-04	0.0	247.0	0.06	-1.32	0.0	-1.00e-03	0.0	0.0
244	92	0.81	0.0	-1.67e-03	-2.64	0.0	-0.42	1.32	0.0	0.08	0.0	0.0
		0.0	0.0	-5.50e-03	0.0	247.0	-0.42	-1.32	0.0	0.08	0.0	0.0
244	93	0.81	0.0	-2.73e-03	-2.64	0.0	0.61	1.32	0.0	-0.08	0.0	0.0
		0.0	0.0	5.44e-03	0.0	247.0	0.61	-1.32	0.0	-0.08	0.0	0.0
244	95	0.81	0.0	-1.71e-03	-2.64	0.0	-0.47	1.32	0.0	0.06	0.0	0.0
		0.0	0.0	-3.88e-03	0.0	247.0	-0.47	-1.32	0.0	0.06	0.0	0.0
244	98	0.81	0.0	-2.67e-03	-2.64	0.0	0.66	1.32	0.0	-0.06	0.0	0.0
		0.0	0.0	3.82e-03	0.0	247.0	0.66	-1.32	0.0	-0.06	0.0	0.0
244	100	0.81	0.0	-1.66e-03	-2.64	0.0	-0.50	1.32	0.0	0.06	0.0	0.0
		0.0	0.0	-3.88e-03	0.0	247.0	-0.50	-1.32	0.0	0.06	0.0	0.0
244	101	0.81	0.0	-2.73e-03	-2.64	0.0	0.69	1.32	0.0	-0.06	0.0	0.0
		0.0	0.0	3.82e-03	0.0	247.0	0.69	-1.32	0.0	-0.06	0.0	0.0
245	1	0.0	0.0	4.72e-04	2.19	0.0	-0.35	-1.10	0.0	1.30e-04	0.0	0.0
		-0.43	0.0	4.22e-05	0.0	158.0	-0.35	1.10	0.0	1.30e-04	0.0	0.0
245	2	0.0	0.0	4.43e-04	2.19	0.0	-0.26	-1.10	0.0	-7.39e-04	0.0	0.0
		-0.43	0.0	7.25e-05	0.0	158.0	-0.26	1.10	0.0	-7.39e-04	0.0	0.0
245	4	0.0	0.0	3.35e-04	1.69	0.0	-0.19	-0.84	0.0	-6.88e-04	0.0	0.0
		-0.33	0.0	7.11e-05	0.0	158.0	-0.19	0.84	0.0	-6.88e-04	0.0	0.0
245	5	0.0	0.0	4.74e-04	2.19	0.0	-0.37	-1.10	0.0	3.63e-04	0.0	0.0

245	6	-0.43	0.0	6.63e-05	0.0	158.0	-0.37	1.10	0.0	3.63e-04	0.0	0.0
		0.0	0.0	4.54e-04	2.19	0.0	-0.31	-1.10	0.0	-2.45e-04	0.0	0.0
		-0.43	0.0	8.75e-05	0.0	158.0	-0.31	1.10	0.0	-2.45e-04	0.0	0.0
245	9	0.0	0.0	3.62e-04	1.69	0.0	-0.27	-0.84	0.0	6.45e-05	0.0	0.0
		-0.33	0.0	2.88e-05	0.0	158.0	-0.27	0.84	0.0	6.45e-05	0.0	0.0
245	10	0.0	0.0	3.43e-04	1.69	0.0	-0.21	-0.84	0.0	-5.15e-04	0.0	0.0
		-0.33	0.0	4.90e-05	0.0	158.0	-0.21	0.84	0.0	-5.15e-04	0.0	0.0
245	11	0.0	0.0	3.64e-04	1.69	0.0	-0.28	-0.84	0.0	2.20e-04	0.0	0.0
		-0.33	0.0	4.49e-05	0.0	158.0	-0.28	0.84	0.0	2.20e-04	0.0	0.0
245	12	0.0	0.0	3.51e-04	1.69	0.0	-0.24	-0.84	0.0	-1.86e-04	0.0	0.0
		-0.33	0.0	5.90e-05	0.0	158.0	-0.24	0.84	0.0	-1.86e-04	0.0	0.0
245	13	0.0	0.0	3.60e-04	1.69	0.0	-0.25	-0.84	0.0	-1.68e-04	0.0	0.0
		-0.33	0.0	4.67e-06	0.0	158.0	-0.25	0.84	0.0	-1.68e-04	0.0	0.0
245	14	0.0	0.0	3.50e-04	1.69	0.0	-0.22	-0.84	0.0	-4.58e-04	0.0	0.0
		-0.33	0.0	1.48e-05	0.0	158.0	-0.22	0.84	0.0	-4.58e-04	0.0	0.0
245	15	0.0	0.0	3.61e-04	1.69	0.0	-0.26	-0.84	0.0	-4.58e-05	0.0	0.0
		-0.33	0.0	1.27e-05	0.0	158.0	-0.26	0.84	0.0	-9.08e-05	0.0	0.0
245	16	0.0	0.0	3.55e-04	1.69	0.0	-0.24	-0.84	0.0	-2.65e-04	0.0	0.0
		-0.33	0.0	1.88e-05	0.0	158.0	-0.24	0.84	0.0	-2.65e-04	0.0	0.0
245	17	0.0	0.0	3.60e-04	1.69	0.0	-0.25	-0.84	0.0	-1.68e-04	0.0	0.0
		-0.33	0.0	4.67e-06	0.0	158.0	-0.25	0.84	0.0	-1.68e-04	0.0	0.0
245	18	0.0	0.0	3.54e-04	1.69	0.0	-0.23	-0.84	0.0	-3.42e-04	0.0	0.0
		-0.33	0.0	1.07e-05	0.0	158.0	-0.23	0.84	0.0	-3.42e-04	0.0	0.0
245	26	0.0	0.0	-8.30e-04	1.69	0.0	-0.23	-0.84	0.0	0.02	0.0	0.0
		-0.33	0.0	-9.88e-04	0.0	158.0	-0.23	0.84	0.0	0.02	0.0	0.0
245	36	0.0	0.0	4.87e-04	1.69	0.0	-0.31	-0.84	0.0	-4.16e-03	0.0	0.0
		-0.33	0.0	3.33e-04	0.0	158.0	-0.31	0.84	0.0	-4.16e-03	0.0	0.0
245	37	0.0	0.0	-2.75e-04	1.69	0.0	-0.16	-0.84	0.0	3.48e-03	0.0	0.0
		-0.33	0.0	-3.11e-04	0.0	158.0	-0.16	0.84	0.0	3.48e-03	0.0	0.0
245	47	0.0	0.0	5.01e-04	1.69	0.0	-0.17	-0.84	0.0	-5.59e-03	0.0	0.0
		-0.33	0.0	1.64e-04	0.0	158.0	-0.17	0.84	0.0	-5.59e-03	0.0	0.0
245	48	0.0	0.0	5.03e-04	1.69	0.0	-0.30	-0.84	0.0	-4.00e-03	0.0	0.0
		-0.33	0.0	4.02e-04	0.0	158.0	-0.30	0.84	0.0	-4.00e-03	0.0	0.0
245	49	0.0	0.0	-3.03e-04	1.69	0.0	-0.16	-0.84	0.0	3.32e-03	0.0	0.0
		-0.33	0.0	-3.81e-04	0.0	158.0	-0.16	0.84	0.0	3.32e-03	0.0	0.0
245	58	0.0	0.0	-6.08e-04	1.69	0.0	-0.24	-0.84	0.0	0.01	0.0	0.0
		-0.33	0.0	-7.10e-04	0.0	158.0	-0.24	0.84	0.0	0.01	0.0	0.0
245	68	0.0	0.0	4.49e-04	1.69	0.0	-0.29	-0.84	0.0	-3.06e-03	0.0	0.0
		-0.33	0.0	2.44e-04	0.0	158.0	-0.29	0.84	0.0	-3.06e-03	0.0	0.0
245	69	0.0	0.0	2.68e-04	1.69	0.0	-0.17	-0.84	0.0	2.38e-03	0.0	0.0
		-0.33	0.0	-2.23e-04	0.0	158.0	-0.17	0.84	0.0	2.38e-03	0.0	0.0
245	79	0.0	0.0	4.58e-04	1.69	0.0	-0.18	-0.84	0.0	-4.26e-03	0.0	0.0
		-0.33	0.0	1.09e-04	0.0	158.0	-0.18	0.84	0.0	-4.26e-03	0.0	0.0
245	80	0.0	0.0	4.61e-04	1.69	0.0	-0.29	-0.84	0.0	-2.90e-03	0.0	0.0
		-0.33	0.0	3.09e-04	0.0	158.0	-0.29	0.84	0.0	-2.90e-03	0.0	0.0
245	81	0.0	0.0	2.59e-04	1.69	0.0	-0.17	-0.84	0.0	2.22e-03	0.0	0.0
		-0.33	0.0	-2.87e-04	0.0	158.0	-0.17	0.84	0.0	2.22e-03	0.0	0.0
245	83	0.0	0.0	3.50e-04	1.69	0.0	-0.18	-0.84	0.0	-9.11e-04	0.0	0.0
		-0.33	0.0	3.67e-06	0.0	158.0	-0.18	0.84	0.0	-9.11e-04	0.0	0.0
245	84	0.0	0.0	3.58e-04	1.69	0.0	-0.28	-0.84	0.0	2.26e-04	0.0	0.0
		-0.33	0.0	1.78e-05	0.0	158.0	-0.28	0.84	0.0	2.26e-04	0.0	0.0
245	85	0.0	0.0	3.53e-04	1.69	0.0	-0.18	-0.84	0.0	-9.53e-04	0.0	0.0
		-0.33	0.0	-7.90e-05	0.0	158.0	-0.18	0.84	0.0	-9.53e-04	0.0	0.0
245	86	0.0	0.0	3.55e-04	1.69	0.0	-0.28	-0.84	0.0	2.68e-04	0.0	0.0
		-0.33	0.0	1.00e-04	0.0	158.0	-0.28	0.84	0.0	2.68e-04	0.0	0.0
245	94	0.0	0.0	-9.89e-04	1.69	0.0	-0.23	-0.84	0.0	0.02	0.0	0.0
		-0.33	0.0	-1.19e-03	0.0	158.0	-0.23	0.84	0.0	0.02	0.0	0.0
245	104	0.0	0.0	5.15e-04	1.69	0.0	-0.32	-0.84	0.0	-4.95e-03	0.0	0.0
		-0.33	0.0	3.96e-04	0.0	158.0	-0.32	0.84	0.0	-4.95e-03	0.0	0.0
245	105	0.0	0.0	-3.25e-04	1.69	0.0	-0.14	-0.84	0.0	4.26e-03	0.0	0.0
		-0.33	0.0	-3.75e-04	0.0	158.0	-0.14	0.84	0.0	4.26e-03	0.0	0.0
245	115	0.0	0.0	5.31e-04	1.69	0.0	-0.16	-0.84	0.0	-6.56e-03	0.0	0.0
		-0.33	0.0	1.99e-04	0.0	158.0	-0.16	0.84	0.0	-6.56e-03	0.0	0.0
245	116	0.0	0.0	5.33e-04	1.69	0.0	-0.32	-0.84	0.0	-4.75e-03	0.0	0.0
		-0.33	0.0	4.73e-04	0.0	158.0	-0.32	0.84	0.0	-4.75e-03	0.0	0.0
245	117	0.0	0.0	-3.56e-04	1.69	0.0	-0.15	-0.84	0.0	4.07e-03	0.0	0.0
		-0.33	0.0	-4.52e-04	0.0	158.0	-0.15	0.84	0.0	4.07e-03	0.0	0.0
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-21.50	-5.13	-0.01	-10.84		-80.45	-28.43	-31.89	-0.09		
		20.14	5.13	0.01	3.43		74.35	28.45	28.49	0.12		

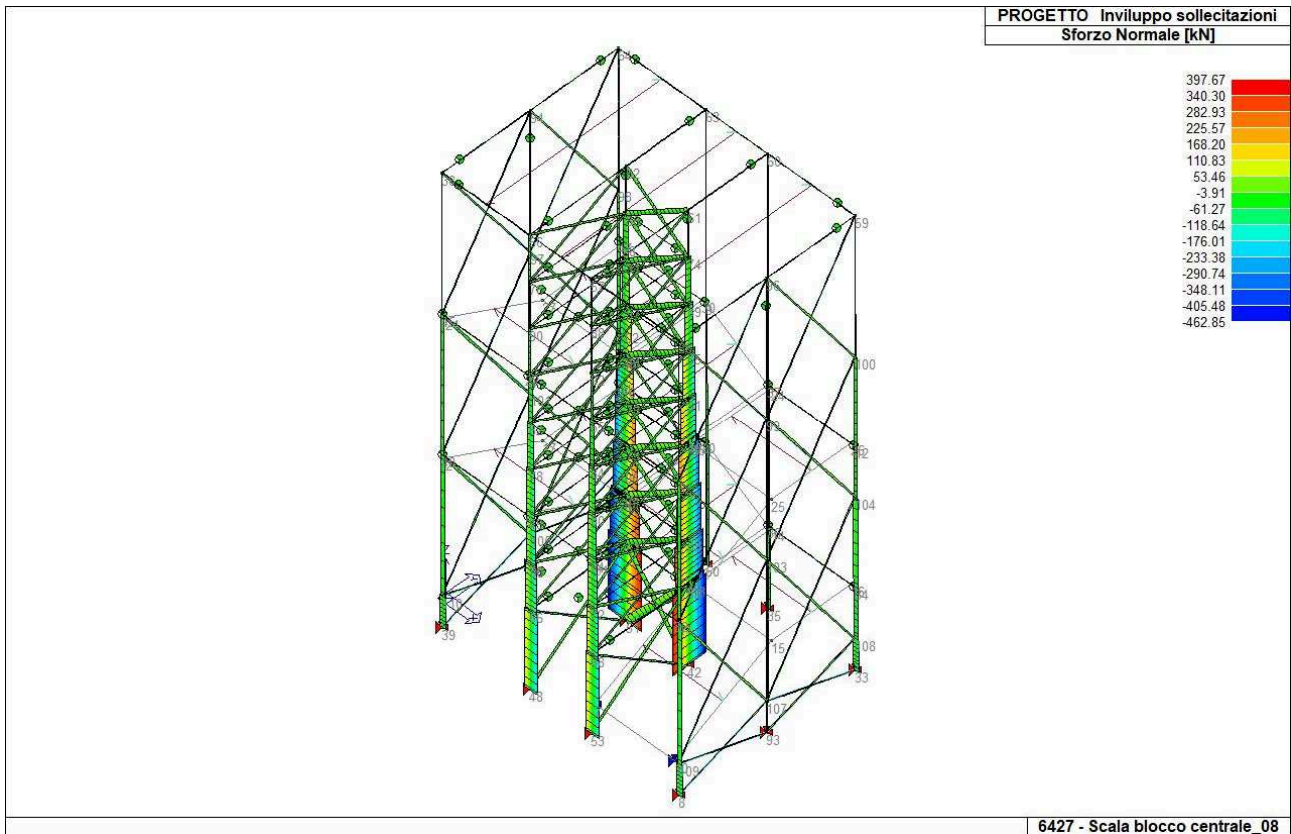


Figura 13: Involuppo sforzo normale

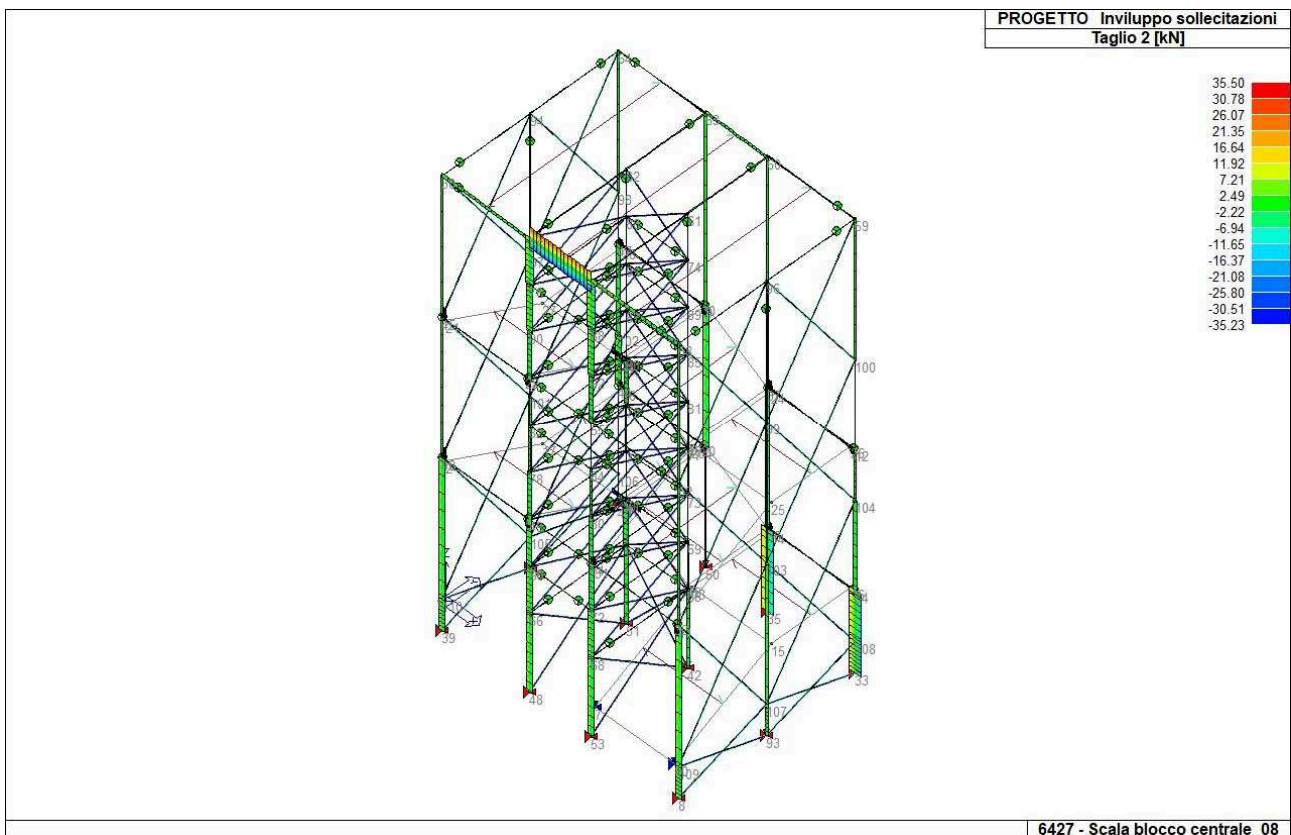


Figura 14: Involuppo sforzo di taglio

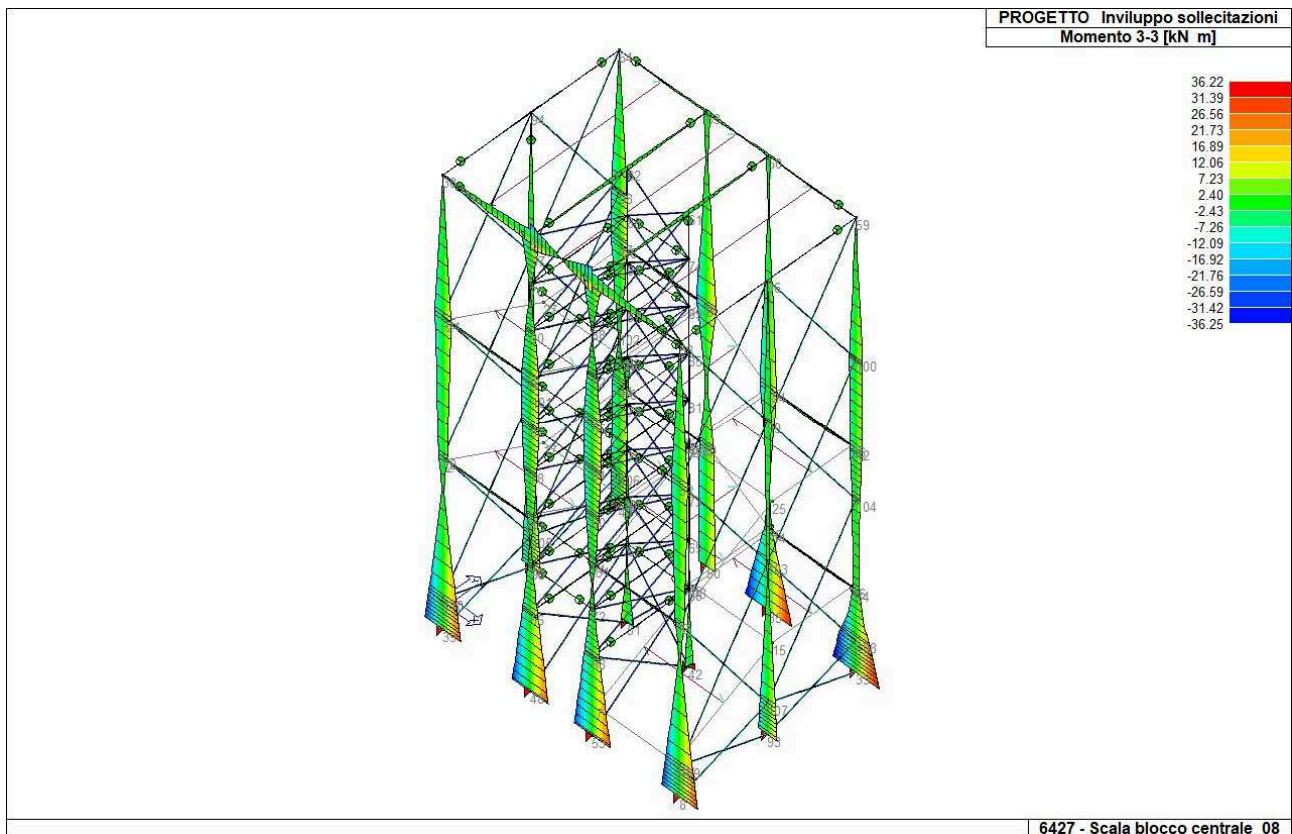


Figura 15: Involuppo momento flettente

16 VERIFICHE PER ELEMENTI IN ACCIAIO

16.1 LEGENDA TABELLA VERIFICHE PER ELEMENTI IN ACCIAIO

Il programma consente la verifica dei seguenti tipi di elementi:

1. aste
2. travi
3. pilastri

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

- Ok:** verifica con esito positivo
- NV:** verifica con esito negativo
- Nr:** verifica non richiesta.

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

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

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

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

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

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

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

Azione	SEZIONI GENERICHE	PROFILI SEMPLICI	PROFILI ACCOPPIATI	
4.2.3.1	Classificazione automatica	L, doppio T, C, rettangolare cava, circolare cava	Tutti	Da profilo semplice
4.2.3.1	Classificazione di default 2	Circolare		
4.2.3.1	Classificazione di default 3	restanti		
4.2.4.1.2.1	Trazione	si	si	si
4.2.4.1.2.2	Compressione	si	si	si
4.2.4.1.2.4	Taglio	si	si	si
4.2.4.1.2.5	Torsione	si	si	si
	Flessione, taglio e forza assiale	si	si	si
4.2.4.1.3.1	Aste compresse	si	si	per elementi ravvicinati e a croce o coppie calastrellate
4.2.4.1.3.2	Travi inflesse	doppio T simmetrica	doppio T	no

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

Asta	Trave	Pilastro	numero dell’elemento			
	Stato		codice di verifica per resistenza, stabilità, svergolamento			
	Note		sezione e materiali adottati per l’elemento			
	V N		(ASTE) verifica come da par. 4.2.4.1.2 per punto (4.2.6) e (4.2.10)			
	V V/T		(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni taglio-torsione (4.2.16 e 4.2.28)			
	V N/M		(TRAVI E PILASTRI) verifica di resistenza come da par. 4.2.4.1.2 per azioni composte (4.2.33) con riduzione per taglio (4.2.40) ove richiesto			
N	M3	M2	V2	V3	T	sollecitazioni di interesse per la verifica
	V stab					(ASTE) verifica come da par. 4.2.4.1.3.1 per punto (4.2.41)
	V stab					(TRAVI E PILASTRI) verifica come da par. 4.2.4.1.3 per punti (C4.2.32) o (C4.2.36) (membrature inflesse e compresse senza/con presenza di instabilità flesso-torsionale)
	BetaxL	B22xL	B33xL			lunghezze libere di inflessione (se indicato riferiti al piano di normale 22 o 33 rispettivamente)
	Snellezza					snellezza massima
	Classe					classe del profilo
	Chi mn					coefficiente di riduzione (della capacità) per la modalità di instabilità pertinente
	Rif. cmb					combinazioni in cui si sono rispettivamente attinti i valori di verifica più elevati
	V flst					(TRAVI E PILASTRI) verifica di stabilità come da par. 4.2.4.1.3.2 per punto (4.2.48)
	B1-1 x L					Beta1-1 x L: interesse tra i ritegni torsionali
	Chi LT					coefficiente di riduzione (della capacità) per la modalità di instabilità flesso-torsionale
	Snell adim					Valore della snellezza adimensionale, utilizzato per il controllo previsto al par. 7.5.5

v.Omeg	Valore del rapporto capacità/domanda per l' azione di interesse (momento per travi e azione assiale per aste) utilizzato per l' amplificazione delle azioni
f.Om. N	Fattore di amplificazione delle azioni assiali per travi e colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.5
f.Om. T	Fattore di amplificazione delle azioni (assiali, flettenti e taglianti) per colonne (prodotto di 1.1 x Omega x gamma rd materiale); utilizzato come specificato al par. 7.5.4
V.7.5.4 M Ed	Verifica come prevista al punto 7.5.4 e valore dell' azione flettente
V.7.5.5 N Ed	Verifica come prevista al punto 7.5.5 e valore dell' azione assiale
V.7.5.6 V Ed,G V Ed,M	Verifica come prevista al punto 7.5.6 e valore dei tagli dovuti ai carichi e alla capacità
V.7.5.10 V Ed	Verifica come prevista al punto 7.5.10 e valore dell' azione di taglio
sovr. Xi (Xf, Yi, Yf)	Valore della sovreresistenza come prevista al par. 7.5.4.2 (i valori non sono normalizzati pertanto saranno maggiori uguali a gamma rd in base alla classe di duttilità)

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

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

Asta	Stato	Note	V N	N kN	V stab	N kN	Cl.	Beta x L cm	Snell.	LambDaS	Chi mn	v.Omeg	Rif. cmb
1	ok	s=5,m=12	0.03	22.0			1	339.6	158.4	1.82	0.23	0.0	2,0
2	ok	s=5,m=12	0.02	13.2	0.06	-11.6	1	339.6	158.4	1.82	0.23	0.0	90,87
3	ok	s=5,m=12	0.02	-14.5	0.07	-14.5	1	339.6	158.4	1.82	0.23	0.0	90,90
4	ok	s=5,m=12	0.02	16.3	0.06	-11.8	1	339.6	158.4	1.82	0.23	0.0	90,87
5	ok	s=5,m=12	0.02	13.1			1	339.6	158.4	1.82	0.23	0.0	87,0
6	ok	s=5,m=12	0.03	27.8			1	339.6	158.4	1.82	0.23	0.0	2,0
7	ok	s=5,m=12	0.02	17.8	0.07	-12.6	1	339.6	158.4	1.82	0.23	0.0	87,90
8	ok	s=5,m=12	0.02	15.4	0.08	-14.9	1	339.6	158.4	1.82	0.23	0.0	90,87
9	ok	s=5,m=12	0.03	27.6			1	339.6	158.4	1.82	0.23	0.0	2,0
10	ok	s=5,m=12	0.02	-19.1	0.10	-19.1	1	339.6	158.4	1.82	0.23	0.0	87,87
11	ok	s=5,m=12	0.03	28.4			1	339.6	158.4	1.82	0.23	0.0	2,0
12	ok	s=5,m=12	0.02	-16.3	0.08	-16.3	1	339.6	158.4	1.82	0.23	0.0	90,90
13	ok	s=5,m=12	0.01	-8.9			1	191.0	89.1	1.03	0.52	0.0	87,0
14	ok	s=5,m=12	0.05	40.3			1	191.0	89.1	1.03	0.52	0.0	2,0
15	ok	s=5,m=12	9.19e-03	7.8			1	191.0	89.1	1.03	0.52	0.0	87,0
16	ok	s=5,m=12	0.01	8.6			1	191.0	89.1	1.03	0.52	0.0	90,0
17	ok	s=5,m=12	0.04	-32.4	0.17	-32.4	1	339.6	158.4	1.82	0.23	0.0	2,2
18	ok	s=5,m=12	0.02	-17.3	0.09	-17.3	1	339.6	158.4	1.82	0.23	0.0	93,93
19	ok	s=5,m=12	0.02	-18.9	0.10	-18.9	1	339.6	158.4	1.82	0.23	0.0	92,92
20	ok	s=5,m=12	0.02	-16.6	0.09	-16.6	1	339.6	158.4	1.82	0.23	0.0	93,93
21	ok	s=5,m=12	0.02	-14.6	0.08	-14.6	1	339.6	158.4	1.82	0.23	0.0	92,92
22	ok	s=5,m=12	0.03	-24.5	0.13	-24.5	1	339.6	158.4	1.82	0.23	0.0	2,2
23	ok	s=5,m=12	0.03	-26.9	0.14	-26.9	1	339.6	158.4	1.82	0.23	0.0	2,2
24	ok	s=5,m=12	0.04	-33.0	0.17	-33.0	1	339.6	158.4	1.82	0.23	0.0	2,2
25	ok	s=5,m=12	0.02	-21.0	0.11	-21.0	1	339.6	158.4	1.82	0.23	0.0	2,2
26	ok	s=5,m=12	0.03	-22.5	0.12	-22.5	1	339.6	158.4	1.82	0.23	0.0	93,93
27	ok	s=5,m=12	0.05	-38.8	0.20	-38.8	1	339.6	158.4	1.82	0.23	0.0	2,2
28	ok	s=5,m=12	0.02	-17.9	0.09	-17.9	1	339.6	158.4	1.82	0.23	0.0	92,92
29	ok	s=5,m=12	0.01	-8.9			1	191.0	89.1	1.03	0.52	0.0	93,0
30	ok	s=5,m=12	0.02	-19.4			1	191.0	89.1	1.03	0.52	0.0	2,0
31	ok	s=5,m=12	0.01	-8.8			1	191.0	89.1	1.03	0.52	0.0	92,0
32	ok	s=5,m=12	0.01	8.7			1	191.0	89.1	1.03	0.52	0.0	92,0
33	ok	s=6,m=12	0.07	-24.7	0.28	-24.7	1	219.7	149.6	1.72	0.25	0.0	96,96
34	ok	s=6,m=12	0.07	25.6	0.28	-25.2	1	219.7	149.6	1.72	0.25	0.0	100,101
35	ok	s=6,m=12	0.07	25.1	0.28	-24.7	1	219.7	149.6	1.72	0.25	0.0	96,97

36	ok s=6,m=12	0.07	-24.8	0.28	-24.8	1	219.7	149.6	1.72	0.25	0.0	96,96
37	ok s=6,m=12	0.07	25.8	0.29	-25.4	1	219.7	149.6	1.72	0.25	0.0	96,97
38	ok s=6,m=12	0.07	-24.7	0.28	-24.7	1	219.7	149.6	1.72	0.25	0.0	99,99
39	ok s=6,m=12	0.07	26.0	0.29	-25.9	1	219.7	149.6	1.72	0.25	0.0	99,102
40	ok s=6,m=12	0.07	-24.4	0.27	-24.4	1	219.7	149.6	1.72	0.25	0.0	95,95
41	ok s=6,m=12	0.08	-28.1	0.32	-28.1	1	219.7	149.6	1.72	0.25	0.0	102,102
42	ok s=6,m=12	0.07	-25.1	0.28	-25.1	1	219.7	149.6	1.72	0.25	0.0	99,99
43	ok s=6,m=12	0.08	-27.7	0.31	-27.7	1	219.7	149.6	1.72	0.25	0.0	102,102
44	ok s=6,m=12	0.07	-25.8	0.29	-25.8	1	219.7	149.6	1.72	0.25	0.0	99,99
45	ok s=6,m=12	0.08	29.7	0.32	-28.2	1	219.7	149.6	1.72	0.25	0.0	99,102
46	ok s=6,m=12	0.07	-25.0	0.28	-25.0	1	219.7	149.6	1.72	0.25	0.0	99,99
47	ok s=6,m=12	0.08	29.6	0.30	-26.5	1	219.7	149.6	1.72	0.25	0.0	99,102
48	ok s=6,m=12	0.09	-30.3	0.34	-30.3	1	219.7	149.6	1.72	0.25	0.0	99,99
49	ok s=6,m=12	0.07	-24.3	0.27	-24.3	1	219.7	149.6	1.72	0.25	0.0	98,98
50	ok s=6,m=12	0.07	25.4	0.28	-24.9	1	219.7	149.6	1.72	0.25	0.0	98,95
51	ok s=6,m=12	0.07	25.0	0.28	-24.6	1	219.7	149.6	1.72	0.25	0.0	101,100
52	ok s=6,m=12	0.07	-24.8	0.28	-24.8	1	219.7	149.6	1.72	0.25	0.0	101,101
53	ok s=6,m=12	0.07	25.6	0.28	-25.2	1	219.7	149.6	1.72	0.25	0.0	97,96
54	ok s=6,m=12	0.07	-24.6	0.28	-24.6	1	219.7	149.6	1.72	0.25	0.0	97,97
55	ok s=6,m=12	0.08	26.6	0.29	-26.3	1	219.7	149.6	1.72	0.25	0.0	97,96
56	ok s=6,m=12	0.07	-24.2	0.27	-24.2	1	219.7	149.6	1.72	0.25	0.0	97,97
57	ok s=6,m=12	0.08	27.5	0.31	-27.2	1	219.7	149.6	1.72	0.25	0.0	97,96
58	ok s=6,m=12	0.07	-25.5	0.29	-25.5	1	219.7	149.6	1.72	0.25	0.0	97,97
59	ok s=6,m=12	0.08	26.7	0.30	-26.6	1	219.7	149.6	1.72	0.25	0.0	97,96
60	ok s=6,m=12	0.07	-24.3	0.27	-24.3	1	219.7	149.6	1.72	0.25	0.0	97,97
61	ok s=6,m=12	0.08	29.8	0.33	-29.6	1	219.7	149.6	1.72	0.25	0.0	97,96
62	ok s=6,m=12	0.07	-24.2	0.27	-24.2	1	219.7	149.6	1.72	0.25	0.0	97,97
63	ok s=6,m=12	0.08	27.8	0.30	-26.8	1	219.7	149.6	1.72	0.25	0.0	97,96
64	ok s=6,m=12	0.08	-29.4	0.33	-29.4	1	219.7	149.6	1.72	0.25	0.0	97,97
65	ok s=6,m=12	0.14	-49.1	0.34	-49.1	1	158.7	108.1	1.25	0.41	0.0	102,102
66	ok s=6,m=12	0.14	-49.7	0.34	-49.7	1	158.7	108.1	1.25	0.41	0.0	100,100
67	ok s=6,m=12	0.15	-52.7	0.36	-52.7	1	158.7	108.1	1.25	0.41	0.0	102,102
68	ok s=6,m=12	0.15	-52.2	0.36	-52.2	1	158.7	108.1	1.25	0.41	0.0	99,99
69	ok s=6,m=12	0.15	-54.3	0.37	-54.3	1	158.7	108.1	1.25	0.41	0.0	102,102
70	ok s=6,m=12	0.16	-56.3	0.39	-56.3	1	158.7	108.1	1.25	0.41	0.0	100,100
71	ok s=6,m=12	0.17	-60.1	0.41	-60.1	1	158.7	108.1	1.25	0.41	0.0	102,102
72	ok s=6,m=12	0.15	-53.2	0.36	-53.2	1	158.7	108.1	1.25	0.41	0.0	99,99
73	ok s=6,m=12	0.14	-50.9	0.35	-50.9	1	158.7	108.1	1.25	0.41	0.0	101,101
74	ok s=6,m=12	0.09	-30.7	0.21	-30.7	1	158.7	108.1	1.25	0.41	0.0	99,99
75	ok s=6,m=12	0.18	-63.3	0.43	-63.3	1	158.7	108.1	1.25	0.41	0.0	101,101
76	ok s=6,m=12	0.16	-58.3	0.40	-58.3	1	158.7	108.1	1.25	0.41	0.0	99,99
77	ok s=6,m=12	0.18	-64.5	0.44	-64.5	1	158.7	108.1	1.25	0.41	0.0	101,101
78	ok s=6,m=12	0.17	-59.2	0.41	-59.2	1	158.7	108.1	1.25	0.41	0.0	99,99
79	ok s=6,m=12	0.16	-56.0	0.38	-56.0	1	158.7	108.1	1.25	0.41	0.0	101,101
80	ok s=6,m=12	0.10	-34.2	0.23	-34.2	1	158.7	108.1	1.25	0.41	0.0	99,99
81	ok s=6,m=12	0.23	-80.3	0.80	-80.3	1	203.9	138.9	1.60	0.28	0.0	97,97
82	ok s=6,m=12	0.21	-74.1	0.74	-74.1	1	203.9	138.9	1.60	0.28	0.0	99,99
83	ok s=6,m=12	0.12	-42.8	0.61	-42.8	1	254.3	173.2	1.99	0.20	0.0	102,102
84	ok s=6,m=12	0.05	-17.6	0.25	-17.6	1	254.3	173.2	1.99	0.20	0.0	99,99
85	ok s=6,m=12	0.12	-43.7	0.63	-43.7	1	254.3	173.2	1.99	0.20	0.0	96,96
86	ok s=6,m=12	0.04	-15.8	0.23	-15.8	1	254.3	173.2	1.99	0.20	0.0	97,97

Asta	V N	N	V stab	N	Beta x L	Snell.	LambDaS	Chi mn	v.Omeg
	0.23	-80.35	0.80	-80.35	339.62	173.18	1.03	0.20	0.0
		40.35					1.99		0.0

Trave	Stato	Note	V V/T	V N/M	V stab	Cl.	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT	Rif. cmb
87	ok s=4,m=12		0.02	0.15							0.15	0.2	1.00	5,5,0,1
88	ok s=4,m=12		0.01	0.06							0.06	0.2	1.00	5,6,0,1
89	ok s=4,m=12		0.02	0.15							0.15	0.2	1.00	2,6,0,1
91	ok s=4,m=12		0.02	0.15							0.15	0.2	1.00	2,2,0,1
92	ok s=4,m=12		0.01	0.06							0.06	0.2	1.00	2,2,0,1
93	ok s=4,m=12		0.02	0.16							0.15	0.2	1.00	2,6,0,1
94	ok s=2,m=12	1.78e-03	1.61e-03								1.47e-03	0.2	1.00	92,94,0,1
95	ok s=4,m=12		0.02	0.15							0.15	0.2	1.00	2,6,0,1
96	ok s=4,m=12		0.01	0.06							0.06	0.2	1.00	2,2,0,1
97	ok s=4,m=12		0.02	0.15							0.15	0.2	1.00	2,2,0,1
98	ok s=4,m=12		0.01	0.06							0.06	0.2	1.00	6,1,0,1
99	ok s=4,m=12		0.02	0.15							0.15	0.2	1.00	2,2,0,1
100	ok s=4,m=12		0.01	0.09							0.06	0.2	1.00	6,99,0,1
101	ok s=4,m=12		0.02	0.15							0.15	0.2	1.00	2,2,0,1
103	ok s=4,m=12		0.02	0.15							0.15	0.2	1.00	2,2,0,1
104	ok s=4,m=12		0.01	0.09							0.06	0.2	1.00	6,99,0,1

105	ok s=4,m=12	0.02	0.15	1						0.15	0.2	1.00	2,5,0,1	
106	ok s=2,m=12	1.67e-03	1.47e-03	1						1.47e-03	0.2	1.00	5,5,0,1	
107	ok s=4,m=12	0.02	0.16	1						0.15	0.2	1.00	2,5,0,1	
108	ok s=4,m=12	0.01	0.07	1						0.06	0.2	1.00	5,97,0,1	
109	ok s=4,m=12	0.02	0.15	1						0.15	0.2	1.00	2,2,0,1	
110	ok s=4,m=12	0.01	0.06	1						0.06	0.2	1.00	2,5,0,1	
111	ok s=4,m=12	0.02	0.15	1						0.15	0.2	1.00	92,2,0,1	
112	ok s=4,m=12	0.01	0.10	1						0.06	0.2	1.00	2,99,0,1	
113	ok s=4,m=12	0.02	0.17	1	0.22	1	1.4	0.8	118.7	0.43	0.15	0.2	1.00	2,101,100,1
115	ok s=4,m=12	0.02	0.17	1	0.22	1	1.4	0.8	118.7	0.43	0.15	0.2	1.00	2,99,102,1
141	ok s=2,m=12	2.35e-03	2.93e-03	1						2.93e-03	0.3	1.00	2,2,0,2	
154	ok s=2,m=12	0.01	0.05	1						0.02	0.3	1.00	2,2,0,2	
155	ok s=2,m=12	0.01	0.05	1						0.02	0.3	1.00	2,2,0,2	
156	ok s=2,m=12	0.06	0.02	1						0.01	7.32e-03	1.00	2,6,0,2	
157	ok s=2,m=12	0.04	0.04	1						9.40e-03	7.32e-03	1.00	2,2,0,2	
158	ok s=2,m=12	0.07	0.02	1						0.02	7.32e-03	1.00	2,6,0,2	
162	ok s=2,m=12	0.05	0.02	1						0.01	7.32e-03	1.00	2,6,0,2	
164	ok s=2,m=12	2.99e-03	0.05	1						0.02	0.3	1.00	2,2,0,2	
175	ok s=2,m=12	0.02	0.05	1						0.03	0.3	1.00	2,2,0,2	
184	ok s=2,m=12	2.88e-03	0.07	1						2.61e-03	0.3	1.00	5,99,0,2	
185	ok s=2,m=12	3.90e-03	0.07	1						7.67e-03	0.3	1.00	2,102,0,2	
197	ok s=2,m=12	0.08	0.05	1						0.02	7.32e-03	1.00	2,2,0,2	
198	ok s=2,m=12	0.06	0.02	1						0.01	7.32e-03	1.00	2,2,0,2	
200	ok s=2,m=12	0.05	0.03	1						0.01	7.32e-03	1.00	2,2,0,2	
201	ok s=2,m=12	0.06	0.02	1						0.01	7.32e-03	1.00	2,6,0,2	
217	ok s=2,m=12	2.95e-03	0.05	1						0.02	0.3	1.00	2,2,0,2	
218	ok s=2,m=12	0.01	0.07	1						0.01	0.3	1.00	2,101,0,101	
219	ok s=2,m=12	0.02	0.07	1						0.02	0.2	1.00	2,92,0,91	
220	ok s=2,m=12	0.02	0.05	1						0.03	0.3	1.00	2,2,0,2	
221	ok s=2,m=12	3.31e-03	0.05	1						0.02	0.3	1.00	2,2,0,2	
222	ok s=2,m=12	0.06	0.02	1						0.01	7.32e-03	1.00	2,2,0,2	
223	ok s=2,m=12	0.04	0.04	1						8.33e-03	7.32e-03	1.00	2,2,0,2	
224	ok s=2,m=12	0.07	0.05	1						0.02	7.32e-03	1.00	2,2,0,2	
225	ok s=2,m=12	0.04	0.04	1						9.48e-03	7.32e-03	1.00	2,2,0,2	
226	ok s=2,m=12	0.04	0.05	1						7.74e-03	7.32e-03	1.00	2,2,0,2	
227	ok s=2,m=12	0.07	0.05	1						0.02	7.32e-03	1.00	2,2,0,2	
228	ok s=4,m=12	0.01	0.11	1						0.06	0.2	1.00	2,95,0,1	
234	ok s=2,m=12	0.01	0.07	1						0.02	0.3	1.00	2,95,0,95	
235	ok s=2,m=12	2.88e-03	0.07	1						2.61e-03	0.3	1.00	5,99,0,2	
236	ok s=2,m=12	0.02	0.12	1						0.07	0.3	1.00	102,98,0,102	
237	ok s=2,m=12	0.08	0.18	1						0.13	0.2	1.00	93,94,0,94	
238	ok s=2,m=12	0.02	0.12	1						0.06	0.3	1.00	100,100,0,100	
239	ok s=2,m=12	3.90e-03	0.07	1						7.67e-03	0.3	1.00	2,102,0,2	
240	ok s=5,m=12	7.58e-03	0.08	1						0.08	0.6	0.69	96,96,0,96	
241	ok s=5,m=12	6.61e-03	0.07	1						0.09	0.7	0.62	96,96,0,96	
242	ok s=5,m=12	6.59e-03	0.07	1						0.09	0.7	0.62	98,98,0,98	
243	ok s=5,m=12	7.55e-03	0.07	1						0.08	0.6	0.69	98,98,0,98	
244	ok s=4,m=12	0.02	0.15	1						0.15	0.2	1.00	5,5,0,1	
245	ok s=4,m=12	0.01	0.06	1						0.06	0.2	1.00	2,5,0,1	

Trave	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
	0.08	0.18	0.22	1.37	0.79	118.66	0.43	0.15	0.73	0.62

Trave	v.Omeg	f.Om. N	Stato	V N/M	V stab	Rif. cmb	V[7.5.4]	M Ed	V[7.5.5]	N Ed	V[7.5.6]	V Ed,G	V Ed,M
								kN m		kN		kN	kN
87							0.0	0.0	0.0	0.0	0.0	0.0	0.0
88							0.0	0.0	0.0	0.0	0.0	0.0	0.0
89							0.0	0.0	0.0	0.0	0.0	0.0	0.0
91							0.0	0.0	0.0	0.0	0.0	0.0	0.0
92							0.0	0.0	0.0	0.0	0.0	0.0	0.0
93							0.0	0.0	0.0	0.0	0.0	0.0	0.0
94							0.0	0.0	0.0	0.0	0.0	0.0	0.0
95							0.0	0.0	0.0	0.0	0.0	0.0	0.0
96							0.0	0.0	0.0	0.0	0.0	0.0	0.0
97							0.0	0.0	0.0	0.0	0.0	0.0	0.0
98							0.0	0.0	0.0	0.0	0.0	0.0	0.0
99							0.0	0.0	0.0	0.0	0.0	0.0	0.0
100							0.0	0.0	0.0	0.0	0.0	0.0	0.0
101							0.0	0.0	0.0	0.0	0.0	0.0	0.0
103							0.0	0.0	0.0	0.0	0.0	0.0	0.0
104							0.0	0.0	0.0	0.0	0.0	0.0	0.0
105							0.0	0.0	0.0	0.0	0.0	0.0	0.0
106							0.0	0.0	0.0	0.0	0.0	0.0	0.0

107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
184	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
197	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
198	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
217	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
218	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
219	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
222	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
227	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
228	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
234	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
237	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
239	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
242	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
243	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
244	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
245	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Pilas.	Stato	Note	V V/T	V N/M	V stab	Cl. LamS	22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT	Rif. cmb
90	ok	s=3,m=12	0.06	0.17		3								99,99,0,0
102	ok	s=3,m=12	5.09e-04	0.04		3								96,102,0,0
114	ok	s=3,m=12	2.39e-04	0.04		3								89,100,0,0
116	ok	s=3,m=12	1.56e-04	0.01		3								103,87,0,0
117	ok	s=2,m=12	7.77e-03	0.08		1					0.08	9.18e-02	1.00	92,88,0,91
118	ok	s=3,m=12	1.46e-03	0.19	0.20	3	0.4	0.2	30.7	0.94				96,97,97,0
119	ok	s=3,m=12	1.58e-03	0.09		3								100,98,0,0
120	ok	s=2,m=12	7.81e-03	0.08		1					0.08	0.1	1.00	92,94,0,91
121	ok	s=3,m=12	0.06	0.27		3								97,95,0,0
122	ok	s=3,m=12	2.19e-03	0.24	0.23	3	0.4	0.2	30.7	0.94				99,99,99,0
123	ok	s=3,m=12	0.01	0.32	0.31	3	0.3	0.2	27.8	0.96				97,97,97,0
124	ok	s=2,m=12	0.02	0.09		1					0.07	0.1	1.00	92,102,0,92
125	ok	s=2,m=12	0.02	0.09		1					0.07	0.1	1.00	92,96,0,92
126	ok	s=2,m=12	0.03	0.08		1					0.08	8.52e-02	1.00	94,94,0,94
127	ok	s=2,m=12	0.03	0.08		1					0.08	8.09e-02	1.00	92,92,0,92
128	ok	s=3,m=12	2.46e-03	0.13		3								97,99,0,0
129	ok	s=2,m=12	0.02	0.05		1					0.05	9.59e-02	1.00	91,92,0,92
130	ok	s=2,m=12	0.02	0.05		1					0.05	0.1	1.00	94,92,0,92
131	ok	s=2,m=12	1.48e-03	0.08		1					0.08	8.56e-02	1.00	102,87,0,92
132	ok	s=3,m=12	1.83e-03	0.15	0.16	3	0.4	0.2	30.7	0.94				99,97,97,0

133	ok s=3,m=12	1.56e-04	0.01		3															93,94,0,0
134	ok s=2,m=12	1.39e-03	0.08		1						0.08	7.93e-02	1.00							99,93,0,92
135	ok s=3,m=12	2.37e-03	0.17	0.18	3	0.4	0.2	30.7	0.94											96,99,99,0
136	ok s=2,m=12	0.02	0.07		1						0.03	9.95e-02	1.00							92,102,0,91
137	ok s=2,m=12	0.02	0.07		1						0.03	0.1	1.00							92,96,0,91
138	ok s=3,m=12	3.63e-04	0.06		3															100,98,0,0
139	ok s=3,m=12	5.99e-04	0.06		3															95,99,0,0
140	ok s=3,m=12	7.31e-03	0.21		3															96,97,0,0
142	ok s=2,m=12	8.40e-03	0.09		1						0.09	8.20e-02	1.00	101,100,0,101						
143	ok s=2,m=12	8.40e-03	0.09		1						0.09	8.20e-02	1.00	101,95,0,101						
147	ok s=3,m=12	7.96e-03	0.15		3															96,99,0,0
159	ok s=2,m=12	0.02	0.17		1						0.16	7.92e-02	1.00	92,90,0,92						
160	ok s=2,m=12	0.01	0.06		1						0.06	0.1	1.00	92,94,0,91						
161	ok s=2,m=12	0.02	0.11		1						0.09	0.3	1.00	101,96,0,101						
163	ok s=3,m=12	0.06	0.31		3									97,97,0,0						
168	ok s=3,m=12	0.06	0.19		3									99,97,0,0						
176	ok s=2,m=12	0.02	0.13		1						0.13	0.3	1.00	92,90,0,92						
177	ok s=2,m=12	0.04	0.20		1						0.14	0.1	1.00	99,97,0,102						
178	ok s=2,m=12	0.02	0.17		1						0.06	0.1	1.00	2,2,0,101						
179	ok s=2,m=12	0.02	0.13		1						0.13	0.3	1.00	92,93,0,92						
180	ok s=2,m=12	0.01	0.16		1						0.07	0.2	1.00	2,2,0,102						
181	ok s=2,m=12	0.02	0.18		1						0.08	0.1	1.00	99,2,0,99						
182	ok s=2,m=12	7.43e-03	0.08		1						0.06	0.2	1.00	101,95,0,101						
183	ok s=2,m=12	8.69e-03	0.10		1						0.07	0.2	1.00	99,100,0,99						
186	ok s=2,m=12	3.91e-03	0.03		1						0.03	0.2	1.00	99,96,0,99						
187	ok s=2,m=12	3.91e-03	0.03		1						0.03	0.2	1.00	99,102,0,99						
188	ok s=2,m=12	4.38e-03	0.03		1						0.03	0.3	1.00	101,96,0,99						
189	ok s=2,m=12	4.38e-03	0.03		1						0.03	0.3	1.00	101,102,0,99						
190	ok s=2,m=12	8.40e-03	0.07		1						0.07	0.3	1.00	101,100,0,101						
191	ok s=2,m=12	8.40e-03	0.07		1						0.07	0.3	1.00	101,101,0,101						
192	ok s=2,m=12	0.02	0.18		1						0.06	0.1	1.00	2,2,0,99						
193	ok s=3,m=12	0.01	0.27	0.25	3	0.3	0.2	27.8	0.96					100,95,95,0						
194	ok s=3,m=12	9.04e-03	0.40	0.47	3	0.6	0.3	51.1	0.84					99,97,97,0						
195	ok s=2,m=12	0.02	0.18		1						0.16	0.2	1.00	92,87,0,92						
196	ok s=2,m=12	9.46e-03	0.20		1						0.08	0.2	1.00	2,2,0,102						
199	ok s=2,m=12	5.12e-03	0.08		1						0.07	0.2	1.00	100,93,0,92						
202	ok s=3,m=12	7.09e-03	0.39	0.47	3	0.6	0.3	51.1	0.84					96,95,99,0						
203	ok s=2,m=12	0.02	0.18		1						0.16	7.99e-02	1.00	92,92,0,92						
204	ok s=2,m=12	0.02	0.11		1						0.08	7.12e-02	1.00	2,100,0,102						
205	ok s=2,m=12	5.14e-03	0.08		1						0.07	0.2	1.00	100,92,0,92						
206	ok s=2,m=12	0.02	0.18		1						0.16	0.2	1.00	92,92,0,92						
207	ok s=2,m=12	9.29e-03	0.08		1						0.07	0.2	1.00	92,92,0,92						
208	ok s=2,m=12	0.01	0.08		1						0.08	7.23e-02	1.00	91,87,0,92						
209	ok s=2,m=12	8.08e-03	0.15		1						0.06	0.2	1.00	2,2,0,101						
210	ok s=2,m=12	7.65e-03	0.10		1						0.08	0.3	1.00	99,101,0,99						
211	ok s=2,m=12	0.01	0.11		1						0.09	0.3	1.00	101,96,0,101						
212	ok s=2,m=12	0.02	0.17		1						0.08	0.1	1.00	2,2,0,99						
213	ok s=2,m=12	0.01	0.08		1						0.08	8.16e-02	1.00	94,93,0,92						
214	ok s=2,m=12	9.27e-03	0.08		1						0.07	0.2	1.00	92,93,0,92						
229	ok s=2,m=12	0.01	0.06		1						0.06	9.65e-02	1.00	92,91,0,91						
230	ok s=2,m=12	0.04	0.23		1						0.22	6.88e-02	1.00	99,102,0,99						
231	ok s=2,m=12	0.01	0.17		1						0.03	0.2	1.00	2,2,0,100						
232	ok s=2,m=12	0.04	0.31		1						0.21	0.1	1.00	100,97,0,99						
233	ok s=2,m=12	0.01	0.10		1						0.08	0.2	1.00	99,2,0,99						

Pilas.	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
							0.84			1.00
	0.06	0.40	0.47	0.59	0.30	51.10		0.22	0.30	

Pilas.	f.Om. N	f.Om. T	Stato	V V/T	V N/M	V stab	V flst	Rif. cmbV[7.5.10]	V Ed	sovr. kN	Xi sovr.	Xf sovr.	Yi sovr.	Yf
90	0.0	0.0	ok	0.0	0.0			0,0,0,0						
102	0.0	0.0	ok	0.0	0.0			0,0,0,0						
114	0.0	0.0	ok	0.0	0.0			0,0,0,0						
116	0.0	0.0	ok	0.0	0.0			0,0,0,0						
117	0.0	0.0	ok	0.0	0.0			0,0,0,0						
118	0.0	0.0	ok	0.0	0.0			0,0,0,0						
119	0.0	0.0	ok	0.0	0.0			0,0,0,0						
120	0.0	0.0	ok	0.0	0.0			0,0,0,0						
121	0.0	0.0	ok	0.0	0.0			0,0,0,0						
122	0.0	0.0	ok	0.0	0.0			0,0,0,0						
123	0.0	0.0	ok	0.0	0.0			0,0,0,0						
124	0.0	0.0	ok	0.0	0.0			0,0,0,0						
125	0.0	0.0	ok	0.0	0.0			0,0,0,0						

126	0.0	0.0	ok	0.0	0.0	0,0,0,0
127	0.0	0.0	ok	0.0	0.0	0,0,0,0
128	0.0	0.0	ok	0.0	0.0	0,0,0,0
129	0.0	0.0	ok	0.0	0.0	0,0,0,0
130	0.0	0.0	ok	0.0	0.0	0,0,0,0
131	0.0	0.0	ok	0.0	0.0	0,0,0,0
132	0.0	0.0	ok	0.0	0.0	0,0,0,0
133	0.0	0.0	ok	0.0	0.0	0,0,0,0
134	0.0	0.0	ok	0.0	0.0	0,0,0,0
135	0.0	0.0	ok	0.0	0.0	0,0,0,0
136	0.0	0.0	ok	0.0	0.0	0,0,0,0
137	0.0	0.0	ok	0.0	0.0	0,0,0,0
138	0.0	0.0	ok	0.0	0.0	0,0,0,0
139	0.0	0.0	ok	0.0	0.0	0,0,0,0
140	0.0	0.0	ok	0.0	0.0	0,0,0,0
142	0.0	0.0	ok	0.0	0.0	0,0,0,0
143	0.0	0.0	ok	0.0	0.0	0,0,0,0
147	0.0	0.0	ok	0.0	0.0	0,0,0,0
159	0.0	0.0	ok	0.0	0.0	0,0,0,0
160	0.0	0.0	ok	0.0	0.0	0,0,0,0
161	0.0	0.0	ok	0.0	0.0	0,0,0,0
163	0.0	0.0	ok	0.0	0.0	0,0,0,0
168	0.0	0.0	ok	0.0	0.0	0,0,0,0
176	0.0	0.0	ok	0.0	0.0	0,0,0,0
177	0.0	0.0	ok	0.0	0.0	0,0,0,0
178	0.0	0.0	ok	0.0	0.0	0,0,0,0
179	0.0	0.0	ok	0.0	0.0	0,0,0,0
180	0.0	0.0	ok	0.0	0.0	0,0,0,0
181	0.0	0.0	ok	0.0	0.0	0,0,0,0
182	0.0	0.0	ok	0.0	0.0	0,0,0,0
183	0.0	0.0	ok	0.0	0.0	0,0,0,0
186	0.0	0.0	ok	0.0	0.0	0,0,0,0
187	0.0	0.0	ok	0.0	0.0	0,0,0,0
188	0.0	0.0	ok	0.0	0.0	0,0,0,0
189	0.0	0.0	ok	0.0	0.0	0,0,0,0
190	0.0	0.0	ok	0.0	0.0	0,0,0,0
191	0.0	0.0	ok	0.0	0.0	0,0,0,0
192	0.0	0.0	ok	0.0	0.0	0,0,0,0
193	0.0	0.0	ok	0.0	0.0	0,0,0,0
194	0.0	0.0	ok	0.0	0.0	0,0,0,0
195	0.0	0.0	ok	0.0	0.0	0,0,0,0
196	0.0	0.0	ok	0.0	0.0	0,0,0,0
199	0.0	0.0	ok	0.0	0.0	0,0,0,0
202	0.0	0.0	ok	0.0	0.0	0,0,0,0
203	0.0	0.0	ok	0.0	0.0	0,0,0,0
204	0.0	0.0	ok	0.0	0.0	0,0,0,0
205	0.0	0.0	ok	0.0	0.0	0,0,0,0
206	0.0	0.0	ok	0.0	0.0	0,0,0,0
207	0.0	0.0	ok	0.0	0.0	0,0,0,0
208	0.0	0.0	ok	0.0	0.0	0,0,0,0
209	0.0	0.0	ok	0.0	0.0	0,0,0,0
210	0.0	0.0	ok	0.0	0.0	0,0,0,0
211	0.0	0.0	ok	0.0	0.0	0,0,0,0
212	0.0	0.0	ok	0.0	0.0	0,0,0,0
213	0.0	0.0	ok	0.0	0.0	0,0,0,0
214	0.0	0.0	ok	0.0	0.0	0,0,0,0
229	0.0	0.0	ok	0.0	0.0	0,0,0,0
230	0.0	0.0	ok	0.0	0.0	0,0,0,0
231	0.0	0.0	ok	0.0	0.0	0,0,0,0
232	0.0	0.0	ok	0.0	0.0	0,0,0,0
233	0.0	0.0	ok	0.0	0.0	0,0,0,0

Pilas.

V V/T V N/M V stab V flst
0.0 0.0

V[7.5.10] V Ed sovr. Xi sovr. Xf sovr. Yi sovr. Yf

17 STATI LIMITE D' ESERCIZIO ACCIAIO

17.1 LEGENDA TABELLA STATI LIMITE D' ESERCIZIO ACCIAIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, per gli elementi trave, i risultati relativi alle combinazioni considerate (rare o caratteristiche).

I valori di interesse sono i seguenti:

f*1000/L	massima deformazione normalizzata in combinazioni rare
-----------------	--

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

Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L	Trave	f*1000/L
87	0.9	88	0.2	89	0.9	91	0.9	92	0.2	93	0.9	94	4.40e-02
95	0.9	96	0.2	97	0.9	98	0.2	99	0.9	100	0.2	101	0.9
103	0.9	104	0.2	105	0.9	106	4.91e-02	107	0.9	108	0.2	109	0.9
110	0.2	111	0.9	112	0.2	113	0.9	115	0.9	141	7.05e-02	154	1.2
155	2.0	156	0.3	157	2.3	158	2.7	162	0.2	164	0.1	175	2.0
184	2.70e-02	185	2.59e-02	197	0.3	198	0.3	200	0.9	201	1.8	217	0.1
218	8.86e-02	219	3.84e-02	220	2.8	221	0.2	222	1.8	223	2.4	224	0.2
225	3.0	226	1.7	227	0.2	228	0.2	234	0.1	235	2.66e-02	236	0.1
237	3.81e-02	238	8.55e-02	239	5.11e-02	240	2.69e-02	241	4.08e-02	242	3.28e-02	243	2.65e-02
244	0.9	245	0.2										

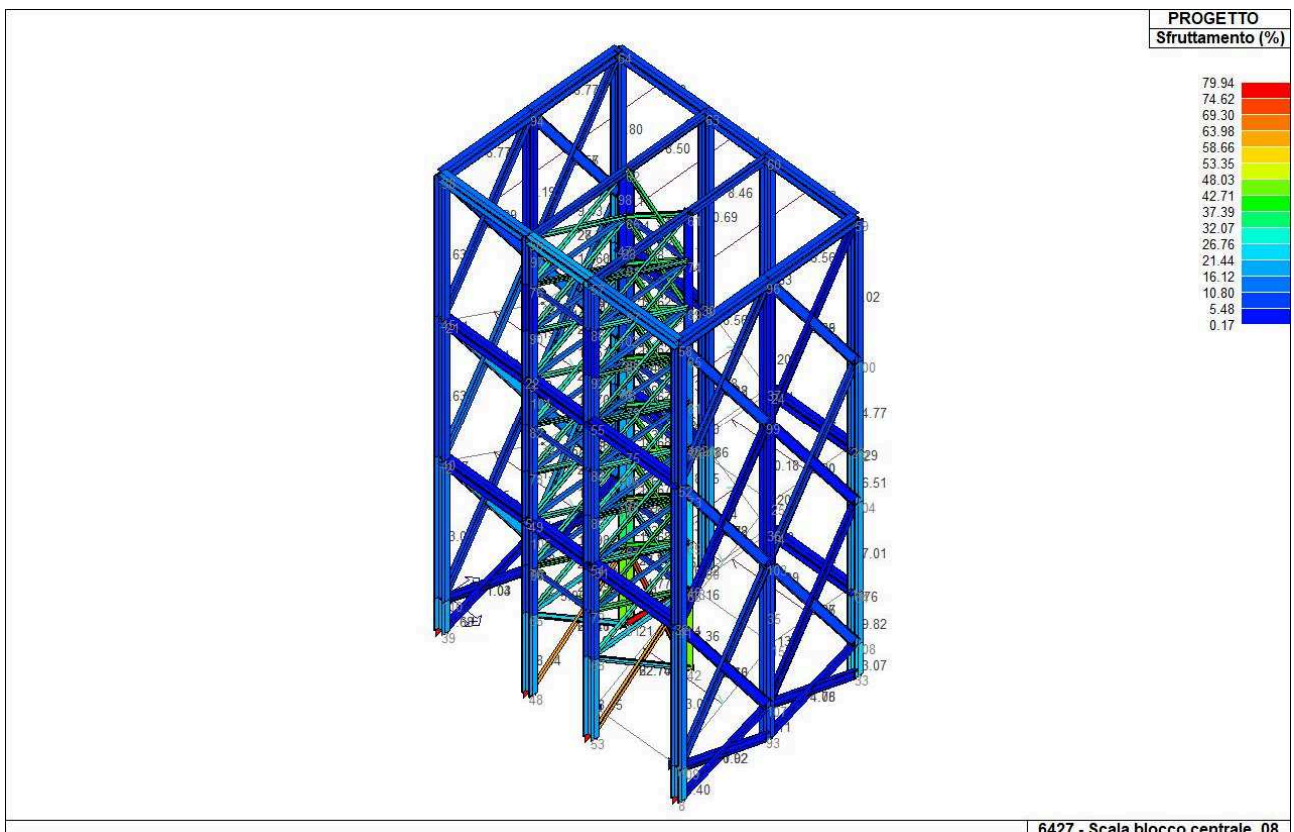


Figura 16: Sfruttamento [%]

18 TABULATO DI CALCOLO STRUTTURALE - PARTE LEGNO

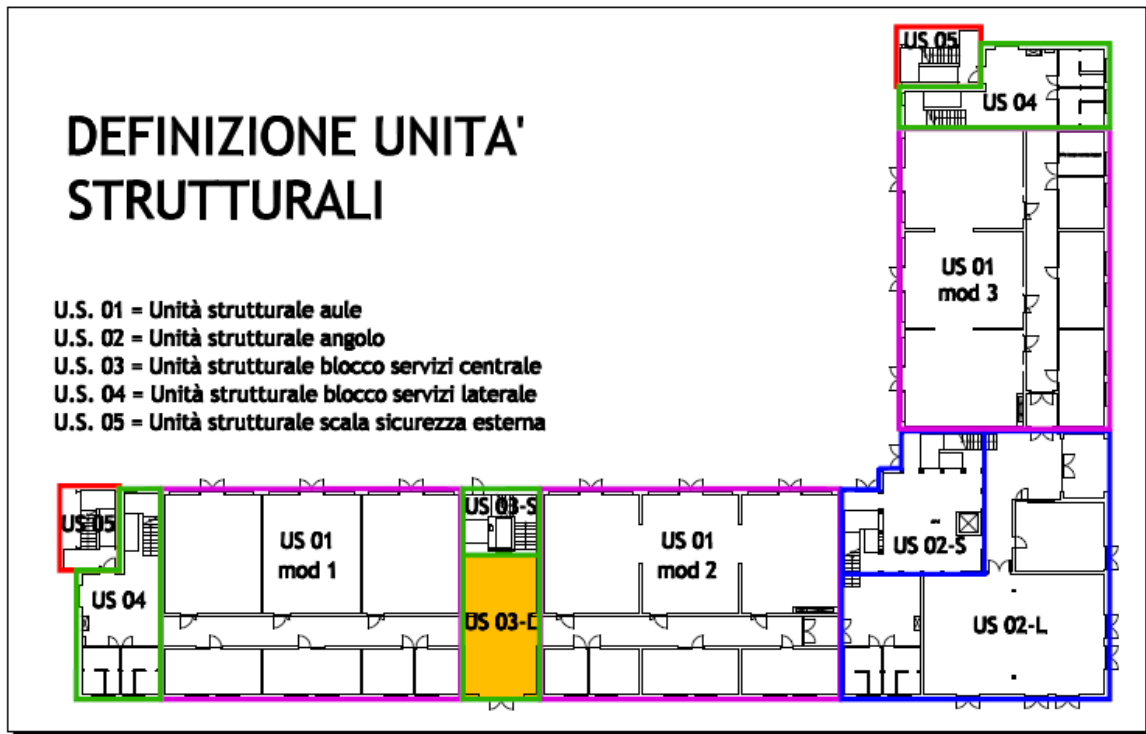


Figura 17: Unità strutturale in legno

18.1 DESCRIZIONE GENERALE DELL'OPERA

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

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

18.2 QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO

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

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

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 17-01-2018
Progetto acciaio	D.M. 17-01-2018

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
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Progetto legno	D.M. 17-01-2018
Progetto muratura	D.M. 17-01-2018
Azione sismica	
Norma applicata per l' azione sismica	D.M. 17-01-2018

18.3 AZIONI DI PROGETTO SULLA COSTRUZIONE

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

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

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

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

$$K * u = F$$

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

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

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

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

- Elemento tipo **TRUSS** (biella-D2)
- Elemento tipo **BEAM** (trave-D2)
- Elemento tipo **MEMBRANE** (membrana-D3)
- Elemento tipo **PLATE** (piastra-guscio-D3)

Elemento tipo BOUNDARY	(molla)
Elemento tipo STIFFNESS	(matrice di rigidezza)
Elemento tipo BRICK	(elemento solido)
Elemento tipo SOLAIO	(macro elemento composto da più membrane)

18.4 MODELLO NUMERICO

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

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

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

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

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

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

Modellazione della geometria e proprietà meccaniche:	
nodi	858
elementi D2 (per aste, travi, pilastri...)	76
elementi D3 (per pareti, platee,	744

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
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gusci...)	
elementi solaio	5
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	600.00
Ymin =	0.00
Ymax =	1099.00
Zmin =	0.00
Zmax =	1050.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastrri	NO
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	NO
Tipo di vincoli:	
Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

18.5 MODELLAZIONE DELLE AZIONI

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

18.6 COMBINAZIONI E/O PERCORSI DI CARICO

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

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2

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Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	SI
SLC	SI
SLD	SI
SLO	SI
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati

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

2.8.1. Risultati dell'analisi modale

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

2.8.2. Deformate e sollecitazioni per condizioni di carico

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

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

2.8.4. Reazioni vincolari

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

2.8.5. Altri risultati significativi

Nella presente parte vengono riportati tutti gli altri risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura.

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

per i dati in ingresso:

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

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

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

per il progetto-verifica degli elementi:

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

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

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

18.7 VERIFICHE AGLI STATI LIMITE ULTIMI

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

18.8 VERIFICHE AGLI STATI LIMITE DI ESERCIZIO

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

18.9 RELAZIONE SUI MATERIALI

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

19 NORMATIVA DI RIFERIMENTO

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

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

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

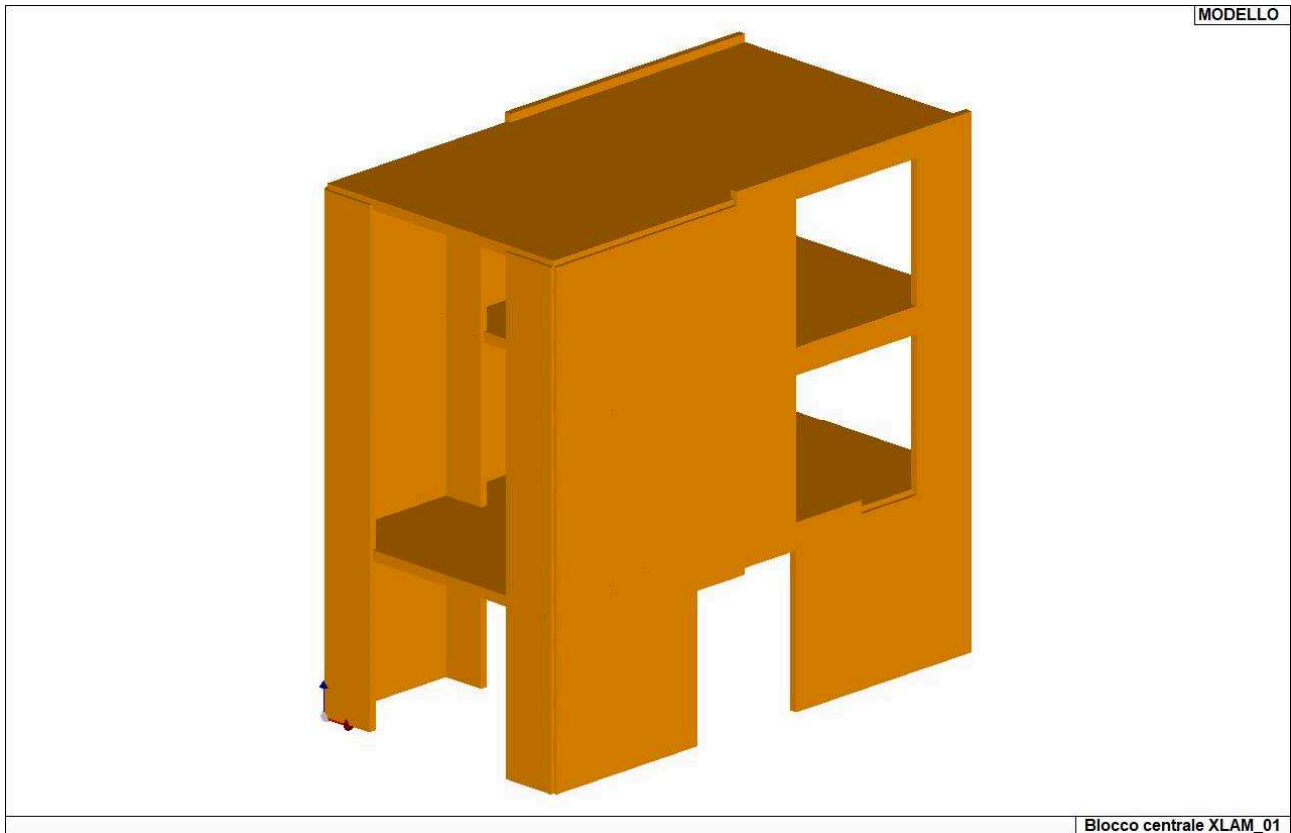


Figura 18: Vista solida

20 CARATTERISTICHE MATERIALI UTILIZZATI

20.1 LEGENDA TABELLA DATI MATERIALI

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

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

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

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

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

1	cemento armato	Rck	resistenza caratteristica cubica
---	----------------	-----	----------------------------------

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

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

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

Modellazione di strutture in c.a.

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

Modellazione di strutture in acciaio

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO - METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO

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

Modellazione di strutture in muratura

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

Modellazione di strutture in legno

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

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
62	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	kN/ m2	kN/ m2		kN/ m2	kN/ m3	
	Modulo E0,05		8.250e+06	0.0	1.725e+05	5.0	0.0
	LamellareMateriale non massiccio e pertanto da considerare come lamellareSi		8.250e+06				
	Resist. fc0k	100.0					
	Resist. ft0k	100.0					
	Resist. fmk	100.0					

Id	Tipo / Note	Young	Poisson	G	Gamma	Alfa
	Resist. fvk	100.0				
78	Legno lamellare omogeneo GL32h E = 1.420e+05-legno E = 1.420e+05	1.420e+07	0.0	6.500e+05	4.9	0.0
	Modulo E0,05	1.180e+07				
	LamellareMateriale non massiccio e pertanto da considerare come lamellareSi					
	Resist. fc0k	3.200e+04				
	Resist. ft0k	2.560e+04				
	Resist. fmk	3.200e+04				
	Resist. fvk	3500.0				

Legno	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
aste						
Beta assegnato	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80	0.80	0.80	0.80
travi						
3-3 Beta * automatico	LSi	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
3-3 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
3-3 Beta * assegnato [cm]	L0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
2-2 Beta * automatico	LSi	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
2-2 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
2-2 Beta * assegnato [cm]	L0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
1-1 Beta * automatico	LSi	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
1-1 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
1-1 Beta * assegnato [cm]	L0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
pilastr						
Metodo di calcolo 3-3	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
3-3 Beta assegnato	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
3-3 Beta * assegnato [cm]	L0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
Metodo di calcolo 2-2	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
2-2 Beta assegnato	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
2-2 Beta * assegnato [cm]	L0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
1-1 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
1-1 Beta * assegnato [cm]	L0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
Generalità						
Gamma non sismico	1.45	1.45	1.45	1.45	1.45	1.45
	1.45	1.45	1.45	1.45	1.45	1.45
Gamma sismico	1.45	1.45	1.45	1.45	1.45	1.45
	1.45	1.45	1.45	1.45	1.45	1.45
Fattore di confidenza FC	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
Classificazione						
Classe di servizio	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)

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

XLAM	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
L direzione 1 [*] [cm]	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
L direzione 2 [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
Verifica V da D.38	No	No	No	No	No	No
	No	No	No	No	No	No
Verifica M da M.5-45	No	No	No	No	No	No
	No	No	No	No	No	No
Media valori elementi	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si	Si	Si
Connessioni pareti						
rvpk [kN/ m]	37.00	90.00	74.00	60.00	74.00	37.00
	60.00	30.00	37.00	30.00	37.00	90.00
rvtk [kN/ m]	37.00	90.00	74.00	60.00	74.00	37.00
	60.00	30.00	37.00	30.00	37.00	90.00
rvlk [kN/ m]	80.00	80.00	80.00	80.00	50.00	50.00
	80.00	80.00	50.00	50.00	50.00	80.00
RHk [kN]	204.00	408.96	204.00	95.29	53.52	53.52
	95.29	408.00	107.00	62.00	160.00	434.40
dH [cm]	10.00	10.00	10.00	10.00	10.00	10.00
	10.00	10.00	10.00	10.00	10.00	10.00
fcH90k [kN/ m2]	15750.00	15750.00	15750.00	15750.00	15750.00	15750.00
	15750.00	15750.00	15750.00	15750.00	15750.00	15750.00
Pannelli solaio						
f ist<L/	500.00	500.00	500.00	500.00	500.00	500.00
	500.00	500.00	500.00	500.00	500.00	500.00

XLAM	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
f inf<L/	350.00	350.00	350.00	350.00	350.00	350.00
	350.00	350.00	350.00	350.00	350.00	350.00
Verifica vibrazioni (EC5 7.3)	No	No	No	No	No	No
	No	No	No	No	No	No
E massetto collaborante [kN/ m2]	2.000e+07	2.000e+07	2.000e+07	2.000e+07	2.000e+07	2.000e+07
	2.000e+07	2.000e+07	2.000e+07	2.000e+07	2.000e+07	2.000e+07
t massetto collaborante [cm]	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00	4.00	4.00	4.00	4.00
Smorzamento percentuale	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
Resistenza al fuoco						
Spessore carbonizzazione [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
3- intradosso	No	No	No	No	No	No
	No	No	No	No	No	No
3+ estradosso	No	No	No	No	No	No
	No	No	No	No	No	No

21 MODELLAZIONE DELLE SEZIONI

21.1 LEGENDA TABELLA DATI SEZIONI

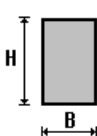
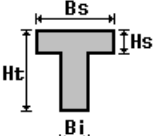
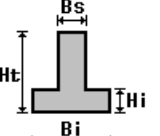
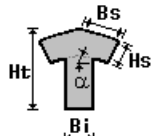
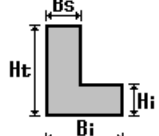
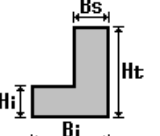
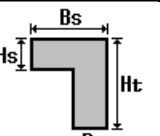
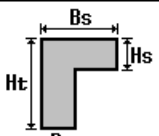
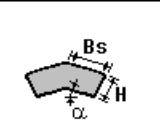
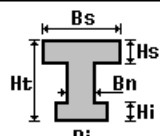
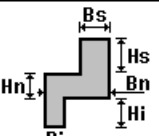
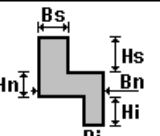
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

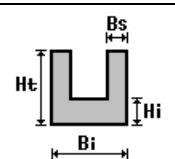
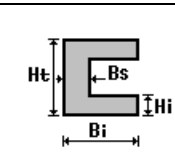
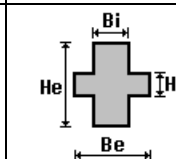
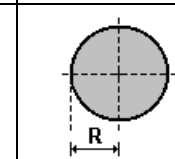
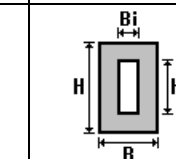
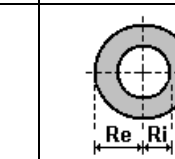
1. sezione di tipo generico
2. profilati semplici
3. profilati accoppiati e speciali

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

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

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

					
rettangolare	a T	a T rovescia	a T di colmo	a L	a L specchiata
					
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE			PROGETTO STRUTTURE PAG. 285 DI 722		

a L specchiata rovescia	a L rovescia	a L di colmo	a doppio T	a quattro specchiata	a quattro
					
a U	a C	a croce	circolare	rettangolare cava	circolare cava

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

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

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

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

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

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

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
1	solaio legno 22 cm- Rettangolare: b=100 h=22	2200.00	1833.33	1833.33	3.057e+05	1.833e+06	8.873e+04	3.667e+04	8066.67	5.500e+04	1.210e+04
2	trave sbalzo-Rettangolare: b=16 h=56	896.00	746.67	746.67	6.270e+04	1.911e+04	2.342e+05	2389.33	8362.67	3584.00	1.254e+04

22 MODELLAZIONE STRUTTURA: NODI

22.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

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

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

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

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

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

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

22.1.1 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
15	0.0	634.0	58.3	16	0.0	692.1	58.3	18	0.0	634.0	116.7
19	0.0	692.1	116.7	20	0.0	634.0	175.0	21	0.0	692.1	175.0
22	0.0	634.0	233.3	23	0.0	692.1	233.3	24	0.0	634.0	291.7
25	0.0	692.1	291.7	26	0.0	634.0	350.0	27	0.0	692.1	350.0
28	0.0	750.3	58.3	30	0.0	750.3	116.7	31	0.0	750.3	175.0
32	0.0	750.3	233.3	33	0.0	750.3	291.7	34	0.0	750.3	350.0
35	0.0	808.4	58.3	37	0.0	808.4	116.7	38	0.0	808.4	175.0
39	0.0	808.4	233.3	40	0.0	808.4	291.7	41	0.0	808.4	350.0
42	0.0	866.5	58.3	44	0.0	866.5	116.7	45	0.0	866.5	175.0
46	0.0	866.5	233.3	47	0.0	866.5	291.7	48	0.0	866.5	350.0
49	0.0	924.6	58.3	51	0.0	924.6	116.7	52	0.0	924.6	175.0
53	0.0	924.6	233.3	54	0.0	924.6	291.7	55	0.0	924.6	350.0
56	0.0	953.0	58.3	58	0.0	953.0	116.7	59	0.0	953.0	175.0
60	0.0	953.0	233.3	61	0.0	953.0	291.7	62	0.0	953.0	350.0
64	0.0	953.0	700.0	65	600.0	1050.3	116.7	66	600.0	1050.3	175.0
67	600.0	1050.3	233.3	68	600.0	1050.3	291.7	69	600.0	1050.3	350.0
70	0.0	1099.0	58.3	71	0.0	1099.0	116.7	72	0.0	1099.0	175.0
73	0.0	1099.0	233.3	74	0.0	1099.0	291.7	75	0.0	1099.0	350.0
76	600.0	634.0	58.3	77	600.0	692.1	58.3	79	600.0	634.0	116.7
80	600.0	692.1	116.7	81	600.0	634.0	175.0	82	600.0	692.1	175.0
83	600.0	634.0	233.3	84	600.0	692.1	233.3	85	600.0	634.0	291.7
86	600.0	692.1	291.7	87	600.0	634.0	350.0	88	600.0	692.1	350.0
89	600.0	750.3	58.3	91	600.0	750.3	116.7	92	600.0	750.3	175.0
93	600.0	750.3	233.3	94	600.0	750.3	291.7	95	600.0	750.3	350.0
96	600.0	808.4	58.3	98	600.0	808.4	116.7	99	600.0	808.4	175.0
100	600.0	808.4	233.3	101	600.0	808.4	291.7	102	600.0	808.4	350.0
103	600.0	866.5	58.3	105	600.0	866.5	116.7	106	600.0	866.5	175.0
107	600.0	866.5	233.3	108	600.0	866.5	291.7	109	600.0	866.5	350.0
110	600.0	924.6	58.3	112	600.0	924.6	116.7	113	600.0	924.6	175.0
114	600.0	924.6	233.3	115	600.0	924.6	291.7	116	600.0	924.6	350.0
117	600.0	953.0	58.3	119	600.0	953.0	116.7	120	600.0	953.0	175.0
121	600.0	953.0	233.3	122	600.0	953.0	291.7	123	600.0	953.0	350.0
124	0.0	1001.7	291.7	125	0.0	1050.3	58.3	127	0.0	1050.3	116.7
128	0.0	1050.3	175.0	129	0.0	1050.3	233.3	130	0.0	1050.3	291.7
131	600.0	1099.0	58.3	132	600.0	1099.0	116.7	133	600.0	1099.0	175.0
134	600.0	1099.0	233.3	135	600.0	1099.0	291.7	136	600.0	1099.0	350.0
137	0.0	373.0	58.3	138	0.0	315.0	58.3	139	0.0	373.0	116.7
140	0.0	315.0	116.7	141	0.0	373.0	175.0	142	0.0	315.0	175.0
143	0.0	373.0	233.3	144	0.0	315.0	233.3	145	0.0	373.0	291.7
146	0.0	315.0	291.7	147	0.0	373.0	350.0	148	0.0	315.0	350.0
149	0.0	262.5	58.3	151	0.0	262.5	116.7	152	0.0	262.5	175.0
153	0.0	262.5	233.3	154	0.0	262.5	291.7	155	0.0	262.5	350.0
156	0.0	210.0	58.3	158	0.0	210.0	116.7	159	0.0	210.0	175.0
160	0.0	210.0	233.3	161	0.0	210.0	291.7	162	0.0	210.0	350.0
163	0.0	157.5	58.3	165	0.0	157.5	116.7	166	0.0	157.5	175.0
167	0.0	157.5	233.3	168	0.0	157.5	291.7	169	0.0	157.5	350.0
170	0.0	105.0	58.3	172	0.0	105.0	116.7	173	0.0	105.0	175.0
174	0.0	105.0	233.3	175	0.0	105.0	291.7	176	0.0	105.0	350.0
177	0.0	52.5	58.3	179	0.0	52.5	116.7	180	0.0	52.5	175.0

181	0.0	52.5	233.3	182	0.0	52.5	291.7	183	0.0	52.5	350.0
184	0.0	0.0	58.3	185	0.0	0.0	116.7	186	0.0	0.0	175.0
187	0.0	0.0	233.3	188	0.0	0.0	291.7	189	0.0	0.0	350.0
190	40.0	0.0	58.3	192	40.0	0.0	116.7	193	40.0	0.0	175.0
194	40.0	0.0	233.3	195	40.0	0.0	291.7	196	40.0	0.0	350.0
197	80.0	0.0	58.3	199	80.0	0.0	116.7	200	80.0	0.0	175.0
201	80.0	0.0	233.3	202	80.0	0.0	291.7	203	80.0	0.0	350.0
204	120.0	0.0	58.3	205	120.0	0.0	116.7	206	120.0	0.0	175.0
207	120.0	0.0	233.3	208	120.0	0.0	291.7	209	120.0	0.0	350.0
210	50.0	315.0	58.3	212	50.0	315.0	116.7	213	50.0	315.0	175.0
214	50.0	315.0	233.3	215	50.0	315.0	291.7	216	50.0	315.0	350.0
217	100.0	315.0	58.3	218	100.0	315.0	116.7	219	100.0	315.0	175.0
220	100.0	315.0	233.3	221	100.0	315.0	291.7	222	100.0	315.0	350.0
223	500.0	315.0	58.3	224	550.0	315.0	58.3	226	500.0	315.0	116.7
227	550.0	315.0	116.7	228	500.0	315.0	175.0	229	550.0	315.0	175.0
230	500.0	315.0	233.3	231	550.0	315.0	233.3	232	500.0	315.0	291.7
233	550.0	315.0	291.7	234	500.0	315.0	350.0	235	550.0	315.0	350.0
236	600.0	315.0	58.3	237	600.0	315.0	116.7	238	600.0	315.0	175.0
239	600.0	315.0	233.3	240	600.0	315.0	291.7	241	600.0	315.0	350.0
242	600.0	373.0	58.3	243	600.0	373.0	116.7	244	600.0	373.0	175.0
245	600.0	373.0	233.3	246	600.0	373.0	291.7	247	600.0	373.0	350.0
248	600.0	262.5	58.3	250	600.0	262.5	116.7	251	600.0	262.5	175.0
252	600.0	262.5	233.3	253	600.0	262.5	291.7	254	600.0	262.5	350.0
255	600.0	210.0	58.3	257	600.0	210.0	116.7	258	600.0	210.0	175.0
259	600.0	210.0	233.3	260	600.0	210.0	291.7	261	600.0	210.0	350.0
262	600.0	157.5	58.3	264	600.0	157.5	116.7	265	600.0	157.5	175.0
266	600.0	157.5	233.3	267	600.0	157.5	291.7	268	600.0	157.5	350.0
269	600.0	105.0	58.3	271	600.0	105.0	116.7	272	600.0	105.0	175.0
273	600.0	105.0	233.3	274	600.0	105.0	291.7	275	600.0	105.0	350.0
276	600.0	52.5	58.3	278	600.0	52.5	116.7	279	600.0	52.5	175.0
280	600.0	52.5	233.3	281	600.0	52.5	291.7	282	600.0	52.5	350.0
283	600.0	0.0	58.3	284	600.0	0.0	116.7	285	600.0	0.0	175.0
286	600.0	0.0	233.3	287	600.0	0.0	291.7	288	600.0	0.0	350.0
289	560.0	0.0	58.3	291	560.0	0.0	116.7	292	560.0	0.0	175.0
293	560.0	0.0	233.3	294	560.0	0.0	291.7	295	560.0	0.0	350.0
296	520.0	0.0	58.3	298	520.0	0.0	116.7	299	520.0	0.0	175.0
300	520.0	0.0	233.3	301	520.0	0.0	291.7	302	520.0	0.0	350.0
303	480.0	0.0	58.3	304	480.0	0.0	116.7	305	480.0	0.0	175.0
306	480.0	0.0	233.3	307	480.0	0.0	291.7	308	480.0	0.0	350.0
309	0.0	0.0	408.3	310	0.0	52.5	408.3	311	0.0	0.0	466.7
312	0.0	52.5	466.7	313	0.0	0.0	525.0	314	0.0	52.5	525.0
315	0.0	0.0	583.3	316	0.0	52.5	583.3	317	0.0	0.0	641.7
318	0.0	52.5	641.7	319	0.0	0.0	700.0	320	0.0	52.5	700.0
321	0.0	105.0	408.3	322	0.0	105.0	466.7	323	0.0	105.0	525.0
324	0.0	105.0	583.3	325	0.0	105.0	641.7	326	0.0	105.0	700.0
327	0.0	157.5	408.3	328	0.0	157.5	466.7	329	0.0	157.5	525.0
330	0.0	157.5	583.3	331	0.0	157.5	641.7	332	0.0	157.5	700.0
333	0.0	210.0	408.3	334	0.0	210.0	466.7	335	0.0	210.0	525.0
336	0.0	210.0	583.3	337	0.0	210.0	641.7	338	0.0	210.0	700.0
339	0.0	262.5	408.3	340	0.0	262.5	466.7	341	0.0	262.5	525.0
342	0.0	262.5	583.3	343	0.0	262.5	641.7	344	0.0	262.5	700.0
345	0.0	315.0	408.3	346	0.0	315.0	466.7	347	0.0	315.0	525.0
348	0.0	315.0	583.3	349	0.0	315.0	641.7	350	0.0	315.0	700.0
351	0.0	373.0	408.3	352	0.0	373.0	466.7	353	0.0	373.0	525.0
354	0.0	373.0	583.3	355	0.0	373.0	641.7	356	0.0	373.0	700.0
357	0.0	425.2	408.3	358	0.0	425.2	350.0	359	0.0	425.2	466.7
360	0.0	425.2	525.0	361	0.0	425.2	583.3	362	0.0	425.2	641.7
363	0.0	425.2	700.0	364	0.0	477.4	408.3	365	0.0	477.4	350.0
366	0.0	477.4	466.7	367	0.0	477.4	525.0	368	0.0	477.4	583.3
369	0.0	477.4	641.7	370	0.0	477.4	700.0	371	0.0	529.6	408.3
372	0.0	529.6	350.0	373	0.0	529.6	466.7	374	0.0	529.6	525.0
375	0.0	529.6	583.3	376	0.0	529.6	641.7	377	0.0	529.6	700.0
378	0.0	581.8	408.3	379	0.0	581.8	350.0	380	0.0	581.8	466.7
381	0.0	581.8	525.0	382	0.0	581.8	583.3	383	0.0	581.8	641.7
384	0.0	581.8	700.0	385	0.0	634.0	408.3	386	0.0	634.0	466.7
387	0.0	634.0	525.0	388	0.0	634.0	583.3	389	0.0	634.0	641.7
390	0.0	634.0	700.0	391	40.0	0.0	933.3	392	40.0	0.0	991.7
393	40.0	0.0	1050.0	394	50.0	315.0	758.3	395	50.0	315.0	816.7
396	50.0	315.0	875.0	397	50.0	315.0	933.3	398	50.0	315.0	991.7
399	50.0	315.0	1050.0	400	100.0	315.0	758.3	401	100.0	315.0	816.7
402	100.0	315.0	875.0	403	100.0	315.0	933.3	404	100.0	315.0	991.7
405	100.0	315.0	1050.0	406	0.0	1099.0	408.3	407	0.0	953.0	408.3
408	0.0	1099.0	466.7	409	0.0	953.0	466.7	410	0.0	1099.0	525.0
411	0.0	953.0	525.0	412	0.0	1099.0	583.3	413	0.0	953.0	583.3
414	0.0	1099.0	641.7	415	0.0	953.0	641.7	416	0.0	1099.0	700.0

417	0.0	1001.7	408.3	418	0.0	1001.7	350.0	419	0.0	1001.7	466.7
420	0.0	1001.7	525.0	421	0.0	1001.7	583.3	422	0.0	1001.7	641.7
423	0.0	1001.7	700.0	424	0.0	1050.3	408.3	425	0.0	1050.3	350.0
426	0.0	1050.3	466.7	427	0.0	1050.3	525.0	428	0.0	1050.3	583.3
429	0.0	1050.3	641.7	430	0.0	1050.3	700.0	431	0.0	1001.7	58.3
433	0.0	1001.7	116.7	434	0.0	1001.7	175.0	435	0.0	1001.7	233.3
436	600.0	1001.7	58.3	438	600.0	1001.7	116.7	439	600.0	1001.7	175.0
440	600.0	1001.7	233.3	441	600.0	1001.7	291.7	442	600.0	1001.7	350.0
443	600.0	1050.3	58.3	444	600.0	953.0	408.3	445	600.0	1001.7	408.3
446	600.0	953.0	466.7	447	600.0	1001.7	466.7	448	600.0	953.0	525.0
449	600.0	1001.7	525.0	450	600.0	953.0	583.3	451	600.0	1001.7	583.3
452	600.0	953.0	641.7	453	600.0	1001.7	641.7	454	600.0	953.0	700.0
455	600.0	1001.7	700.0	456	600.0	1050.3	408.3	457	600.0	1050.3	466.7
458	600.0	1050.3	525.0	459	600.0	1050.3	583.3	460	600.0	1050.3	641.7
461	600.0	1050.3	700.0	462	600.0	1099.0	408.3	463	600.0	1099.0	466.7
464	600.0	1099.0	525.0	465	600.0	1099.0	583.3	466	600.0	1099.0	641.7
467	600.0	1099.0	700.0	468	600.0	373.0	408.3	469	600.0	425.2	408.3
470	600.0	425.2	350.0	471	600.0	373.0	466.7	472	600.0	425.2	466.7
473	600.0	373.0	525.0	474	600.0	425.2	525.0	475	600.0	373.0	583.3
476	600.0	425.2	583.3	477	600.0	373.0	641.7	478	600.0	425.2	641.7
479	600.0	373.0	700.0	480	600.0	425.2	700.0	481	600.0	477.4	408.3
482	600.0	477.4	350.0	483	600.0	477.4	466.7	484	600.0	477.4	525.0
485	600.0	477.4	583.3	486	600.0	477.4	641.7	487	600.0	477.4	700.0
488	600.0	529.6	408.3	489	600.0	529.6	350.0	490	600.0	529.6	466.7
491	600.0	529.6	525.0	492	600.0	529.6	583.3	493	600.0	529.6	641.7
494	600.0	529.6	700.0	495	600.0	581.8	408.3	496	600.0	581.8	350.0
497	600.0	581.8	466.7	498	600.0	581.8	525.0	499	600.0	581.8	583.3
500	600.0	581.8	641.7	501	600.0	581.8	700.0	502	600.0	634.0	408.3
503	600.0	634.0	466.7	504	600.0	634.0	525.0	505	600.0	634.0	583.3
506	600.0	634.0	641.7	507	600.0	634.0	700.0	508	600.0	315.0	408.3
509	600.0	315.0	466.7	510	600.0	315.0	525.0	511	600.0	315.0	583.3
512	600.0	315.0	641.7	513	600.0	315.0	700.0	514	550.0	315.0	408.3
515	550.0	315.0	466.7	516	550.0	315.0	525.0	517	550.0	315.0	583.3
518	550.0	315.0	641.7	519	550.0	315.0	700.0	520	500.0	315.0	408.3
521	500.0	315.0	466.7	522	500.0	315.0	525.0	523	500.0	315.0	583.3
524	500.0	315.0	641.7	525	500.0	315.0	700.0	526	600.0	262.5	408.3
527	600.0	262.5	466.7	528	600.0	262.5	525.0	529	600.0	262.5	583.3
530	600.0	262.5	641.7	531	600.0	262.5	700.0	532	600.0	210.0	408.3
533	600.0	210.0	466.7	534	600.0	210.0	525.0	535	600.0	210.0	583.3
536	600.0	210.0	641.7	537	600.0	210.0	700.0	538	600.0	157.5	408.3
539	600.0	157.5	466.7	540	600.0	157.5	525.0	541	600.0	157.5	583.3
542	600.0	157.5	641.7	543	600.0	157.5	700.0	544	600.0	105.0	408.3
545	600.0	105.0	466.7	546	600.0	105.0	525.0	547	600.0	105.0	583.3
548	600.0	105.0	641.7	549	600.0	105.0	700.0	550	600.0	52.5	408.3
551	600.0	52.5	466.7	552	600.0	52.5	525.0	553	600.0	52.5	583.3
554	600.0	52.5	641.7	555	600.0	52.5	700.0	556	600.0	0.0	408.3
557	600.0	0.0	466.7	558	600.0	0.0	525.0	559	600.0	0.0	583.3
560	600.0	0.0	641.7	561	600.0	0.0	700.0	562	560.0	0.0	408.3
563	560.0	0.0	466.7	564	560.0	0.0	525.0	565	560.0	0.0	583.3
566	560.0	0.0	641.7	567	560.0	0.0	700.0	568	520.0	0.0	408.3
569	520.0	0.0	466.7	570	520.0	0.0	525.0	571	520.0	0.0	583.3
572	520.0	0.0	641.7	573	520.0	0.0	700.0	574	480.0	0.0	408.3
575	480.0	0.0	466.7	576	480.0	0.0	525.0	577	480.0	0.0	583.3
578	480.0	0.0	641.7	579	480.0	0.0	700.0	580	120.0	0.0	408.3
581	80.0	0.0	408.3	582	120.0	0.0	466.7	583	80.0	0.0	466.7
584	120.0	0.0	525.0	585	80.0	0.0	525.0	586	120.0	0.0	583.3
587	80.0	0.0	583.3	588	120.0	0.0	641.7	589	80.0	0.0	641.7
590	120.0	0.0	700.0	591	80.0	0.0	700.0	592	40.0	0.0	408.3
593	40.0	0.0	466.7	594	40.0	0.0	525.0	595	40.0	0.0	583.3
596	40.0	0.0	641.7	597	40.0	0.0	700.0	598	50.0	315.0	408.3
599	50.0	315.0	466.7	600	50.0	315.0	525.0	601	50.0	315.0	583.3
602	50.0	315.0	641.7	603	50.0	315.0	700.0	604	100.0	315.0	408.3
605	100.0	315.0	466.7	606	100.0	315.0	525.0	607	100.0	315.0	583.3
608	100.0	315.0	641.7	609	100.0	315.0	700.0	610	0.0	953.0	1050.0
611	0.0	0.0	758.3	612	0.0	52.5	758.3	613	0.0	0.0	816.7
614	0.0	52.5	816.7	615	0.0	0.0	875.0	616	0.0	52.5	875.0
617	0.0	0.0	933.3	618	0.0	52.5	933.3	619	0.0	0.0	991.7
620	0.0	52.5	991.7	621	0.0	0.0	1050.0	622	0.0	52.5	1050.0
623	0.0	105.0	758.3	624	0.0	105.0	816.7	625	0.0	105.0	875.0
626	0.0	105.0	933.3	627	0.0	105.0	991.7	628	0.0	105.0	1050.0
629	0.0	157.5	758.3	630	0.0	157.5	816.7	631	0.0	157.5	875.0
632	0.0	157.5	933.3	633	0.0	157.5	991.7	634	0.0	157.5	1050.0
635	0.0	210.0	758.3	636	0.0	210.0	816.7	637	0.0	210.0	875.0
638	0.0	210.0	933.3	639	0.0	210.0	991.7	640	0.0	210.0	1050.0
641	0.0	262.5	758.3	642	0.0	262.5	816.7	643	0.0	262.5	875.0

644	0.0	262.5	933.3	645	0.0	262.5	991.7	646	0.0	262.5	1050.0
647	0.0	315.0	758.3	648	0.0	315.0	816.7	649	0.0	315.0	875.0
650	0.0	315.0	933.3	651	0.0	315.0	991.7	652	0.0	315.0	1050.0
653	0.0	373.0	758.3	654	0.0	373.0	816.7	655	0.0	373.0	875.0
656	0.0	373.0	933.3	657	0.0	373.0	991.7	658	0.0	373.0	1050.0
659	0.0	425.2	758.3	660	0.0	425.2	816.7	661	0.0	425.2	875.0
662	0.0	425.2	933.3	663	0.0	425.2	991.7	664	0.0	425.2	1050.0
665	0.0	477.4	758.3	666	0.0	477.4	816.7	667	0.0	477.4	875.0
668	0.0	477.4	933.3	669	0.0	477.4	991.7	670	0.0	477.4	1050.0
671	0.0	529.6	758.3	672	0.0	529.6	816.7	673	0.0	529.6	875.0
674	0.0	529.6	933.3	675	0.0	529.6	991.7	676	0.0	529.6	1050.0
677	0.0	581.8	758.3	678	0.0	581.8	816.7	679	0.0	581.8	875.0
680	0.0	581.8	933.3	681	0.0	581.8	991.7	682	0.0	581.8	1050.0
683	0.0	634.0	758.3	684	0.0	634.0	816.7	685	0.0	634.0	875.0
686	0.0	634.0	933.3	687	0.0	634.0	991.7	688	0.0	634.0	1050.0
689	0.0	1099.0	758.3	690	0.0	953.0	758.3	691	0.0	1099.0	816.7
692	0.0	953.0	816.7	693	0.0	1099.0	875.0	694	0.0	953.0	875.0
695	0.0	1099.0	933.3	696	0.0	953.0	933.3	697	0.0	1099.0	991.7
698	0.0	953.0	991.7	699	0.0	1099.0	1050.0	700	0.0	1001.7	758.3
701	0.0	1001.7	816.7	702	0.0	1001.7	875.0	703	0.0	1001.7	933.3
704	0.0	1001.7	991.7	705	0.0	1001.7	1050.0	706	0.0	1050.3	758.3
707	0.0	1050.3	816.7	708	0.0	1050.3	875.0	709	0.0	1050.3	933.3
710	0.0	1050.3	991.7	711	0.0	1050.3	1050.0	712	600.0	953.0	758.3
713	600.0	1001.7	758.3	714	600.0	953.0	816.7	715	600.0	1001.7	816.7
716	600.0	953.0	875.0	717	600.0	1001.7	875.0	718	600.0	953.0	933.3
719	600.0	1001.7	933.3	720	600.0	953.0	991.7	721	600.0	1001.7	991.7
722	600.0	953.0	1050.0	723	600.0	1001.7	1050.0	724	600.0	1050.3	758.3
725	600.0	1050.3	816.7	726	600.0	1050.3	875.0	727	600.0	1050.3	933.3
728	600.0	1050.3	991.7	729	600.0	1050.3	1050.0	730	600.0	1099.0	758.3
731	600.0	1099.0	816.7	732	600.0	1099.0	875.0	733	600.0	1099.0	933.3
734	600.0	1099.0	991.7	735	600.0	1099.0	1050.0	736	600.0	373.0	758.3
737	600.0	425.2	758.3	738	600.0	373.0	816.7	739	600.0	425.2	816.7
740	600.0	373.0	875.0	741	600.0	425.2	875.0	742	600.0	373.0	933.3
743	600.0	425.2	933.3	744	600.0	373.0	991.7	745	600.0	425.2	991.7
746	600.0	373.0	1050.0	747	600.0	425.2	1050.0	748	600.0	477.4	758.3
749	600.0	477.4	816.7	750	600.0	477.4	875.0	751	600.0	477.4	933.3
752	600.0	477.4	991.7	753	600.0	477.4	1050.0	754	600.0	529.6	758.3
755	600.0	529.6	816.7	756	600.0	529.6	875.0	757	600.0	529.6	933.3
758	600.0	529.6	991.7	759	600.0	529.6	1050.0	760	600.0	581.8	758.3
761	600.0	581.8	816.7	762	600.0	581.8	875.0	763	600.0	581.8	933.3
764	600.0	581.8	991.7	765	600.0	581.8	1050.0	766	600.0	634.0	758.3
767	600.0	634.0	816.7	768	600.0	634.0	875.0	769	600.0	634.0	933.3
770	600.0	634.0	991.7	771	600.0	634.0	1050.0	772	600.0	315.0	758.3
773	600.0	315.0	816.7	774	600.0	315.0	875.0	775	600.0	315.0	933.3
776	600.0	315.0	991.7	777	600.0	315.0	1050.0	778	550.0	315.0	758.3
779	550.0	315.0	816.7	780	550.0	315.0	875.0	781	550.0	315.0	933.3
782	550.0	315.0	991.7	783	550.0	315.0	1050.0	784	500.0	315.0	758.3
785	500.0	315.0	816.7	786	500.0	315.0	875.0	787	500.0	315.0	933.3
788	500.0	315.0	991.7	789	500.0	315.0	1050.0	790	600.0	262.5	758.3
791	600.0	262.5	816.7	792	600.0	262.5	875.0	793	600.0	262.5	933.3
794	600.0	262.5	991.7	795	600.0	262.5	1050.0	796	600.0	210.0	758.3
797	600.0	210.0	816.7	798	600.0	210.0	875.0	799	600.0	210.0	933.3
800	600.0	210.0	991.7	801	600.0	210.0	1050.0	802	600.0	157.5	758.3
803	600.0	157.5	816.7	804	600.0	157.5	875.0	805	600.0	157.5	933.3
806	600.0	157.5	991.7	807	600.0	157.5	1050.0	808	600.0	105.0	758.3
809	600.0	105.0	816.7	810	600.0	105.0	875.0	811	600.0	105.0	933.3
812	600.0	105.0	991.7	813	600.0	105.0	1050.0	814	600.0	52.5	758.3
815	600.0	52.5	816.7	816	600.0	52.5	875.0	817	600.0	52.5	933.3
818	600.0	52.5	991.7	819	600.0	52.5	1050.0	820	600.0	0.0	758.3
821	600.0	0.0	816.7	822	600.0	0.0	875.0	823	600.0	0.0	933.3
824	600.0	0.0	991.7	825	600.0	0.0	1050.0	826	560.0	0.0	758.3
827	560.0	0.0	816.7	828	560.0	0.0	875.0	829	560.0	0.0	933.3
830	560.0	0.0	991.7	831	560.0	0.0	1050.0	832	520.0	0.0	758.3
833	520.0	0.0	816.7	834	520.0	0.0	875.0	835	520.0	0.0	933.3
836	520.0	0.0	991.7	837	520.0	0.0	1050.0	838	480.0	0.0	758.3
839	480.0	0.0	816.7	840	480.0	0.0	875.0	841	480.0	0.0	933.3
842	480.0	0.0	991.7	843	480.0	0.0	1050.0	844	120.0	0.0	758.3
845	80.0	0.0	758.3	846	120.0	0.0	816.7	847	80.0	0.0	816.7
848	120.0	0.0	875.0	849	80.0	0.0	875.0	850	120.0	0.0	933.3
851	80.0	0.0	933.3	852	120.0	0.0	991.7	853	80.0	0.0	991.7
854	120.0	0.0	1050.0	855	80.0	0.0	1050.0	856	40.0	0.0	758.3
857	40.0	0.0	816.7	858	40.0	0.0	875.0				

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
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	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
1	0.0	0.0	0.0	v=111000						
2	120.0	0.0	0.0	v=111000						
3	480.0	0.0	0.0	v=111000						
4	600.0	0.0	0.0	v=111000						
5	600.0	315.0	0.0	v=111000						
6	0.0	315.0	0.0	v=111000						
7	100.0	315.0	0.0	v=111000						
8	500.0	315.0	0.0	v=111000						
9	0.0	373.0	0.0	v=111000						
10	600.0	373.0	0.0	v=111000						
11	0.0	634.0	0.0	v=111000						
12	600.0	634.0	0.0	v=111000						
13	0.0	1099.0	0.0	v=111000						
14	600.0	1099.0	0.0	v=111000						
17	0.0	692.1	0.0	v=111000						
29	0.0	750.3	0.0	v=111000						
36	0.0	808.4	0.0	v=111000						
43	0.0	866.5	0.0	v=111000						
50	0.0	924.6	0.0	v=111000						
57	0.0	953.0	0.0	v=111000						
63	600.0	1050.3	0.0	v=111000						
78	600.0	692.1	0.0	v=111000						
90	600.0	750.3	0.0	v=111000						
97	600.0	808.4	0.0	v=111000						
104	600.0	866.5	0.0	v=111000						
111	600.0	924.6	0.0	v=111000						
118	600.0	953.0	0.0	v=111000						
126	0.0	1050.3	0.0	v=111000						
150	0.0	262.5	0.0	v=111000						
157	0.0	210.0	0.0	v=111000						
164	0.0	157.5	0.0	v=111000						
171	0.0	105.0	0.0	v=111000						
178	0.0	52.5	0.0	v=111000						
191	40.0	0.0	0.0	v=111000						
198	80.0	0.0	0.0	v=111000						
211	50.0	315.0	0.0	v=111000						
225	550.0	315.0	0.0	v=111000						
249	600.0	262.5	0.0	v=111000						
256	600.0	210.0	0.0	v=111000						
263	600.0	157.5	0.0	v=111000						
270	600.0	105.0	0.0	v=111000						
277	600.0	52.5	0.0	v=111000						
290	560.0	0.0	0.0	v=111000						
297	520.0	0.0	0.0	v=111000						
432	0.0	1001.7	0.0	v=111000						
437	600.0	1001.7	0.0	v=111000						

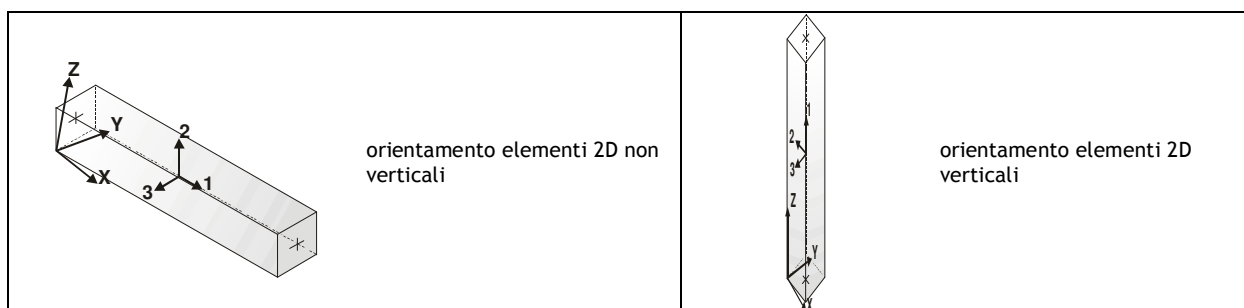
23 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

23.1 TABELLA DATI TRAVI

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

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

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



In particolare per ogni elemento viene indicato in tabella:

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

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

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

85	ANALISI PUSHOVER DI UN EDIFICIO IN C. A.
87	ANALISI ELASTO PLASTICA INCREMENTALE
88	ANALISI ELASTO PLASTICA INCREMENTALE
98	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
99	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
102	SNELLEZZE EC5
130	PROGETTO E VERIFICA DI TRAVI PREM

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave	95	102	78	2					
2	Trave	88	95	78	2					
3	Trave	87	88	78	2					
4	Trave	496	87	78	2					
5	Trave	489	496	78	2					
6	Trave	482	489	78	2					
7	Trave	470	482	78	2					
8	Trave	247	470	78	2					
9	Trave	241	247	78	2					
10	Trave	254	241	78	2					
11	Trave	261	254	78	2					
12	Trave	268	261	78	2					
13	Trave	275	268	78	2					
14	Trave	282	275	78	2					
15	Trave	288	282	78	2					
16	Trave	501	507	78	2					
17	Trave	494	501	78	2					
18	Trave	487	494	78	2					
19	Trave	480	487	78	2					
20	Trave	479	480	78	2					
21	Trave	513	479	78	2					
22	Trave	531	513	78	2					
23	Trave	537	531	78	2					
24	Trave	543	537	78	2					
25	Trave	549	543	78	2					
26	Trave	555	549	78	2					
27	Trave	561	555	78	2					
28	Trave	34	41	78	2					
29	Trave	27	34	78	2					
30	Trave	26	27	78	2					
31	Trave	379	26	78	2					
32	Trave	372	379	78	2					
33	Trave	365	372	78	2					
34	Trave	358	365	78	2					
35	Trave	147	358	78	2					
36	Trave	148	147	78	2					
37	Trave	155	148	78	2					
38	Trave	162	155	78	2					
39	Trave	169	162	78	2					
40	Trave	176	169	78	2					
41	Trave	183	176	78	2					
42	Trave	189	183	78	2					
43	Trave	384	390	78	2					
44	Trave	377	384	78	2					
45	Trave	370	377	78	2					
46	Trave	363	370	78	2					
47	Trave	356	363	78	2					
48	Trave	350	356	78	2					
49	Trave	344	350	78	2					
50	Trave	338	344	78	2					
51	Trave	332	338	78	2					
52	Trave	326	332	78	2					
53	Trave	320	326	78	2					
54	Trave	319	320	78	2					
55	Trave	507	454	78	2		000001	000001		
56	Trave	454	455	78	2					
57	Trave	455	461	78	2					
58	Trave	461	467	78	2					
59	Trave	771	722	78	2		000001	000001		
60	Trave	722	723	78	2					
61	Trave	723	729	78	2					
62	Trave	729	735	78	2					

63	Trave	765	771	78	2		
64	Trave	759	765	78	2		
65	Trave	753	759	78	2		
66	Trave	682	688	78	2		
67	Trave	676	682	78	2		
68	Trave	670	676	78	2		
69	Trave	390	64	78	2	000001	000001
70	Trave	64	423	78	2		
71	Trave	423	430	78	2		
72	Trave	430	416	78	2		
73	Trave	711	699	78	2		
74	Trave	705	711	78	2		
75	Trave	610	705	78	2		
76	Trave	688	610	78	2	000001	000001

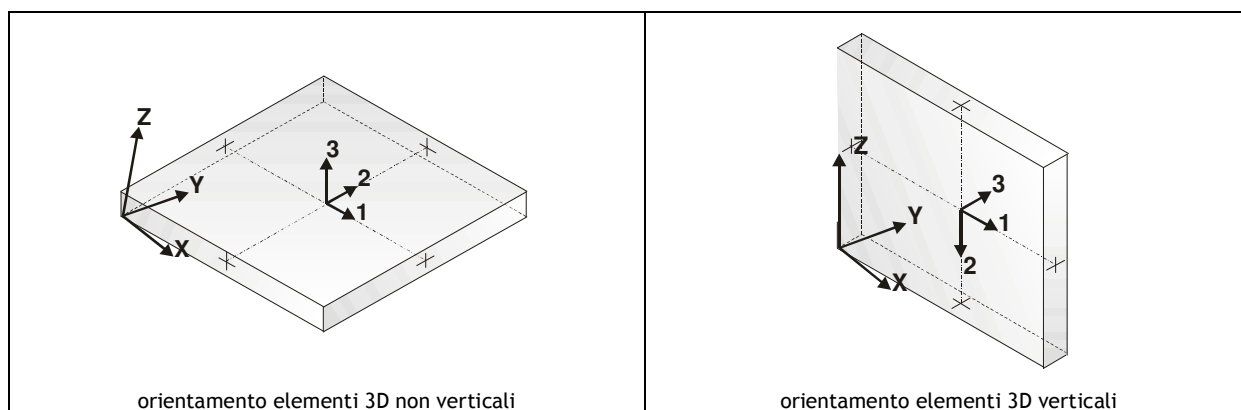
24 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

24.1 LEGENDA TABELLA DATI SHELL

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

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

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



In particolare per ogni elemento viene indicato in tabella:

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

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

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

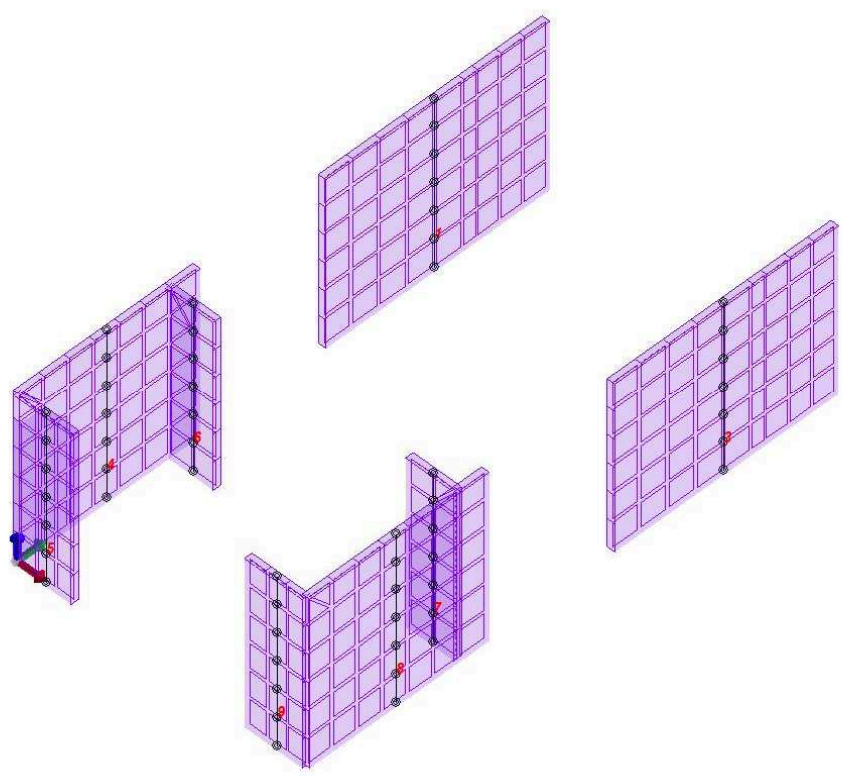


Figura 19: Numerazione macro piano terra

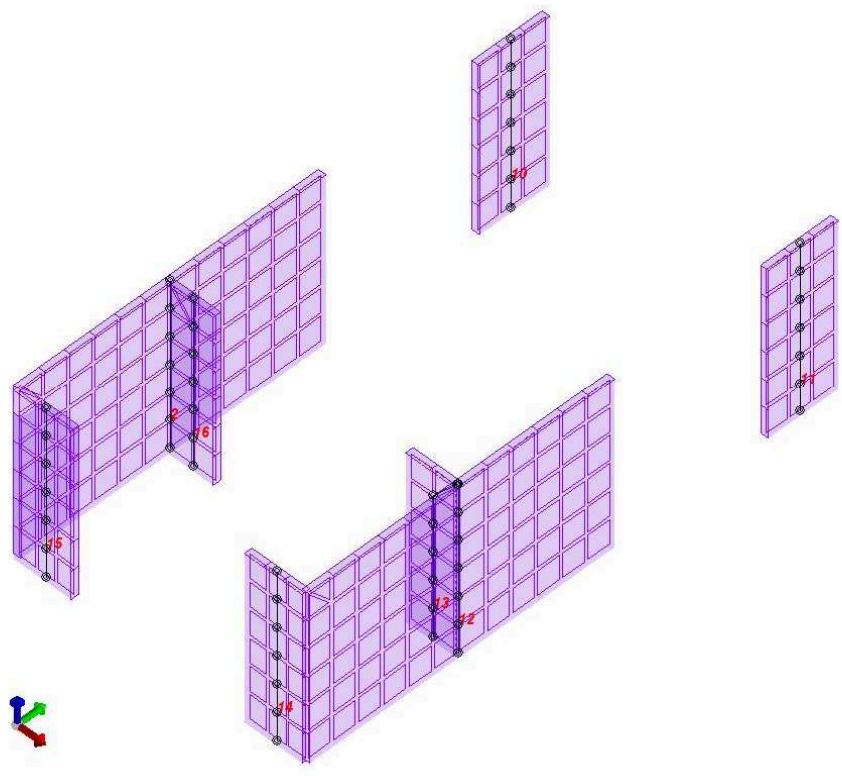
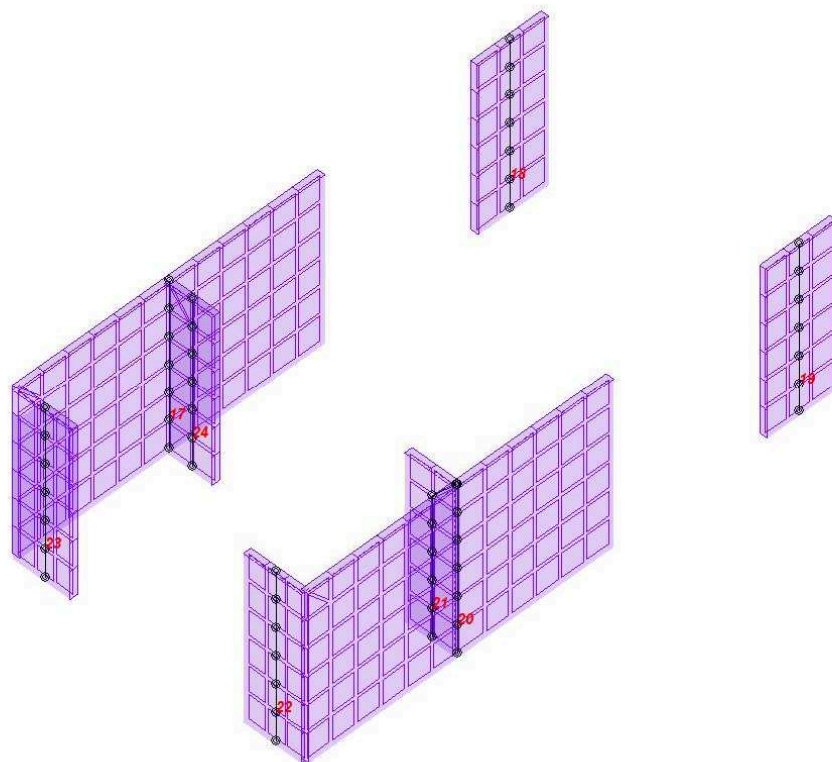


Figura 20: Numerazione macro piano primo



Blocco centrale XLAM_01

Figura 21: Numerazione macro piano secondo

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Wink V daN/cm ³	Wink O daN/cm ³
1	Setto	11	17	16	15	62	16.0		
2	Setto	15	16	19	18	62	16.0		
3	Setto	18	19	21	20	62	16.0		
4	Setto	20	21	23	22	62	16.0		
5	Setto	22	23	25	24	62	16.0		
6	Setto	24	25	27	26	62	16.0		
7	Setto	17	29	28	16	62	16.0		
8	Setto	16	28	30	19	62	16.0		
9	Setto	19	30	31	21	62	16.0		
10	Setto	21	31	32	23	62	16.0		
11	Setto	23	32	33	25	62	16.0		
12	Setto	25	33	34	27	62	16.0		
13	Setto	29	36	35	28	62	16.0		
14	Setto	28	35	37	30	62	16.0		
15	Setto	30	37	38	31	62	16.0		
16	Setto	31	38	39	32	62	16.0		
17	Setto	32	39	40	33	62	16.0		
18	Setto	33	40	41	34	62	16.0		
19	Setto	36	43	42	35	62	16.0		
20	Setto	35	42	44	37	62	16.0		
21	Setto	37	44	45	38	62	16.0		
22	Setto	38	45	46	39	62	16.0		
23	Setto	39	46	47	40	62	16.0		
24	Setto	40	47	48	41	62	16.0		
25	Setto	43	50	49	42	62	16.0		
26	Setto	42	49	51	44	62	16.0		
27	Setto	44	51	52	45	62	16.0		
28	Setto	45	52	53	46	62	16.0		
29	Setto	46	53	54	47	62	16.0		
30	Setto	47	54	55	48	62	16.0		
31	Setto	50	57	56	49	62	16.0		
32	Setto	49	56	58	51	62	16.0		
33	Setto	51	58	59	52	62	16.0		
34	Setto	52	59	60	53	62	16.0		
35	Setto	53	60	61	54	62	16.0		
36	Setto	54	61	62	55	62	16.0		
37	Setto	379	26	385	378	62	16.0		

38	Setto	378	385	386	380	62	16.0
39	Setto	380	386	387	381	62	16.0
40	Setto	381	387	388	382	62	16.0
41	Setto	382	388	389	383	62	16.0
42	Setto	383	389	390	384	62	16.0
43	Setto	63	14	131	443	62	16.0
44	Setto	443	131	132	65	62	16.0
45	Setto	65	132	133	66	62	16.0
46	Setto	66	133	134	67	62	16.0
47	Setto	67	134	135	68	62	16.0
48	Setto	68	135	136	69	62	16.0
49	Setto	12	78	77	76	62	16.0
50	Setto	76	77	80	79	62	16.0
51	Setto	79	80	82	81	62	16.0
52	Setto	81	82	84	83	62	16.0
53	Setto	83	84	86	85	62	16.0
54	Setto	85	86	88	87	62	16.0
55	Setto	78	90	89	77	62	16.0
56	Setto	77	89	91	80	62	16.0
57	Setto	80	91	92	82	62	16.0
58	Setto	82	92	93	84	62	16.0
59	Setto	84	93	94	86	62	16.0
60	Setto	86	94	95	88	62	16.0
61	Setto	90	97	96	89	62	16.0
62	Setto	89	96	98	91	62	16.0
63	Setto	91	98	99	92	62	16.0
64	Setto	92	99	100	93	62	16.0
65	Setto	93	100	101	94	62	16.0
66	Setto	94	101	102	95	62	16.0
67	Setto	97	104	103	96	62	16.0
68	Setto	96	103	105	98	62	16.0
69	Setto	98	105	106	99	62	16.0
70	Setto	99	106	107	100	62	16.0
71	Setto	100	107	108	101	62	16.0
72	Setto	101	108	109	102	62	16.0
73	Setto	104	111	110	103	62	16.0
74	Setto	103	110	112	105	62	16.0
75	Setto	105	112	113	106	62	16.0
76	Setto	106	113	114	107	62	16.0
77	Setto	107	114	115	108	62	16.0
78	Setto	108	115	116	109	62	16.0
79	Setto	111	118	117	110	62	16.0
80	Setto	110	117	119	112	62	16.0
81	Setto	112	119	120	113	62	16.0
82	Setto	113	120	121	114	62	16.0
83	Setto	114	121	122	115	62	16.0
84	Setto	115	122	123	116	62	16.0
85	Setto	432	126	125	431	62	16.0
86	Setto	431	125	127	433	62	16.0
87	Setto	433	127	128	434	62	16.0
88	Setto	434	128	129	435	62	16.0
89	Setto	435	129	130	124	62	16.0
90	Setto	124	130	425	418	62	16.0
91	Setto	126	13	70	125	62	16.0
92	Setto	125	70	71	127	62	16.0
93	Setto	127	71	72	128	62	16.0
94	Setto	128	72	73	129	62	16.0
95	Setto	129	73	74	130	62	16.0
96	Setto	130	74	75	425	62	16.0
97	Setto	6	9	137	138	62	16.0
98	Setto	138	137	139	140	62	16.0
99	Setto	140	139	141	142	62	16.0
100	Setto	142	141	143	144	62	16.0
101	Setto	144	143	145	146	62	16.0
102	Setto	146	145	147	148	62	16.0
103	Setto	150	6	138	149	62	16.0
104	Setto	149	138	140	151	62	16.0
105	Setto	151	140	142	152	62	16.0
106	Setto	152	142	144	153	62	16.0
107	Setto	153	144	146	154	62	16.0
108	Setto	154	146	148	155	62	16.0
109	Setto	157	150	149	156	62	16.0
110	Setto	156	149	151	158	62	16.0
111	Setto	158	151	152	159	62	16.0
112	Setto	159	152	153	160	62	16.0

113	Setto	160	153	154	161	62	16.0
114	Setto	161	154	155	162	62	16.0
115	Setto	164	157	156	163	62	16.0
116	Setto	163	156	158	165	62	16.0
117	Setto	165	158	159	166	62	16.0
118	Setto	166	159	160	167	62	16.0
119	Setto	167	160	161	168	62	16.0
120	Setto	168	161	162	169	62	16.0
121	Setto	171	164	163	170	62	16.0
122	Setto	170	163	165	172	62	16.0
123	Setto	172	165	166	173	62	16.0
124	Setto	173	166	167	174	62	16.0
125	Setto	174	167	168	175	62	16.0
126	Setto	175	168	169	176	62	16.0
127	Setto	178	171	170	177	62	16.0
128	Setto	177	170	172	179	62	16.0
129	Setto	179	172	173	180	62	16.0
130	Setto	180	173	174	181	62	16.0
131	Setto	181	174	175	182	62	16.0
132	Setto	182	175	176	183	62	16.0
133	Setto	1	178	177	184	62	16.0
134	Setto	184	177	179	185	62	16.0
135	Setto	185	179	180	186	62	16.0
136	Setto	186	180	181	187	62	16.0
137	Setto	187	181	182	188	62	16.0
138	Setto	189	182	183		62	16.0
139	Setto	184	190	191	1	62	16.0
140	Setto	185	192	190	184	62	16.0
141	Setto	186	193	192	185	62	16.0
142	Setto	187	194	193	186	62	16.0
143	Setto	188	195	194	187	62	16.0
144	Setto	189	196	195	188	62	16.0
145	Setto	190	197	198	191	62	16.0
146	Setto	192	199	197	190	62	16.0
147	Setto	193	200	199	192	62	16.0
148	Setto	194	201	200	193	62	16.0
149	Setto	195	202	201	194	62	16.0
150	Setto	196	203	202	195	62	16.0
151	Setto	197	204	2	198	62	16.0
152	Setto	199	205	204	197	62	16.0
153	Setto	200	206	205	199	62	16.0
154	Setto	201	207	206	200	62	16.0
155	Setto	202	208	207	201	62	16.0
156	Setto	203	209	208	202	62	16.0
157	Setto	138	210	211	6	62	16.0
158	Setto	140	212	210	138	62	16.0
159	Setto	142	213	212	140	62	16.0
160	Setto	144	214	213	142	62	16.0
161	Setto	146	215	214	144	62	16.0
162	Setto	148	216	215		62	16.0
163	Setto	210	217	7	211	62	16.0
164	Setto	212	218	217	210	62	16.0
165	Setto	213	219	218	212	62	16.0
166	Setto	214	220	219	213	62	16.0
167	Setto	215	221	220	214	62	16.0
168	Setto	216	222	221	215	62	16.0
169	Setto	223	224	225	8	62	16.0
170	Setto	226	227	224	223	62	16.0
171	Setto	228	229	227	226	62	16.0
172	Setto	230	231	229	228	62	16.0
173	Setto	232	233	231	230	62	16.0
174	Setto	234	235	233	232	62	16.0
175	Setto	224	236	5	225	62	16.0
176	Setto	227	237	236	224	62	16.0
177	Setto	229	238	237	227	62	16.0
178	Setto	231	239	238	229	62	16.0
179	Setto	233	240	239	231	62	16.0
180	Setto	233	241	240		62	16.0
181	Setto	5	10	242	236	62	16.0
182	Setto	236	242	243	237	62	16.0
183	Setto	237	243	244	238	62	16.0
184	Setto	238	244	245	239	62	16.0
185	Setto	239	245	246	240	62	16.0
186	Setto	240	246	247	241	62	16.0
187	Setto	249	5	236	248	62	16.0

188	Setto	248	236	237	250	62	16.0
189	Setto	250	237	238	251	62	16.0
190	Setto	251	238	239	252	62	16.0
191	Setto	252	239	240	253	62	16.0
192	Setto	253	240	241	254	62	16.0
193	Setto	256	249	248	255	62	16.0
194	Setto	255	248	250	257	62	16.0
195	Setto	257	250	251	258	62	16.0
196	Setto	258	251	252	259	62	16.0
197	Setto	259	252	253	260	62	16.0
198	Setto	260	253	254	261	62	16.0
199	Setto	263	256	255	262	62	16.0
200	Setto	262	255	257	264	62	16.0
201	Setto	264	257	258	265	62	16.0
202	Setto	265	258	259	266	62	16.0
203	Setto	266	259	260	267	62	16.0
204	Setto	267	260	261	268	62	16.0
205	Setto	270	263	262	269	62	16.0
206	Setto	269	262	264	271	62	16.0
207	Setto	271	264	265	272	62	16.0
208	Setto	272	265	266	273	62	16.0
209	Setto	273	266	267	274	62	16.0
210	Setto	274	267	268	275	62	16.0
211	Setto	277	270	269	276	62	16.0
212	Setto	276	269	271	278	62	16.0
213	Setto	278	271	272	279	62	16.0
214	Setto	279	272	273	280	62	16.0
215	Setto	280	273	274	281	62	16.0
216	Setto	281	274	275	282	62	16.0
217	Setto	4	277	276	283	62	16.0
218	Setto	283	276	278	284	62	16.0
219	Setto	284	278	279	285	62	16.0
220	Setto	285	279	280	286	62	16.0
221	Setto	286	280	281	287	62	16.0
222	Setto	288	281	282		62	16.0
223	Setto	289	283	4	290	62	16.0
224	Setto	291	284	283	289	62	16.0
225	Setto	292	285	284	291	62	16.0
226	Setto	293	286	285	292	62	16.0
227	Setto	294	287	286	293	62	16.0
228	Setto	295	288	287	294	62	16.0
229	Setto	296	289	290	297	62	16.0
230	Setto	298	291	289	296	62	16.0
231	Setto	299	292	291	298	62	16.0
232	Setto	300	293	292	299	62	16.0
233	Setto	301	294	293	300	62	16.0
234	Setto	302	295	294	301	62	16.0
235	Setto	303	296	297	3	62	16.0
236	Setto	304	298	296	303	62	16.0
237	Setto	305	299	298	304	62	16.0
238	Setto	306	300	299	305	62	16.0
239	Setto	307	301	300	306	62	16.0
240	Setto	308	302	301	307	62	16.0
241	Setto	189	183	310	309	62	16.0
242	Setto	309	310	312	311	62	16.0
243	Setto	311	312	314	313	62	16.0
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245	Setto	315	316	318	317	62	16.0
246	Setto	319	318	320		62	16.0
247	Setto	183	176	321	310	62	16.0
248	Setto	310	321	322	312	62	16.0
249	Setto	312	322	323	314	62	16.0
250	Setto	314	323	324	316	62	16.0
251	Setto	316	324	325	318	62	16.0
252	Setto	318	325	326	320	62	16.0
253	Setto	176	169	327	321	62	16.0
254	Setto	321	327	328	322	62	16.0
255	Setto	322	328	329	323	62	16.0
256	Setto	323	329	330	324	62	16.0
257	Setto	324	330	331	325	62	16.0
258	Setto	325	331	332	326	62	16.0
259	Setto	169	162	333	327	62	16.0
260	Setto	327	333	334	328	62	16.0
261	Setto	328	334	335	329	62	16.0
262	Setto	329	335	336	330	62	16.0

263	Setto	330	336	337	331	62	16.0
264	Setto	331	337	338	332	62	16.0
265	Setto	162	155	339	333	62	16.0
266	Setto	333	339	340	334	62	16.0
267	Setto	334	340	341	335	62	16.0
268	Setto	335	341	342	336	62	16.0
269	Setto	336	342	343	337	62	16.0
270	Setto	337	343	344	338	62	16.0
271	Setto	155	148	345	339	62	16.0
272	Setto	339	345	346	340	62	16.0
273	Setto	340	346	347	341	62	16.0
274	Setto	341	347	348	342	62	16.0
275	Setto	342	348	349	343	62	16.0
276	Setto	343	349	350	344	62	16.0
277	Setto	148	147	351	345	62	16.0
278	Setto	345	351	352	346	62	16.0
279	Setto	346	352	353	347	62	16.0
280	Setto	347	353	354	348	62	16.0
281	Setto	348	354	355	349	62	16.0
282	Setto	349	355	356	350	62	16.0
283	Setto	147	358	357	351	62	16.0
284	Setto	351	357	359	352	62	16.0
285	Setto	352	359	360	353	62	16.0
286	Setto	353	360	361	354	62	16.0
287	Setto	354	361	362	355	62	16.0
288	Setto	355	362	363	356	62	16.0
289	Setto	358	365	364	357	62	16.0
290	Setto	357	364	366	359	62	16.0
291	Setto	359	366	367	360	62	16.0
292	Setto	360	367	368	361	62	16.0
293	Setto	361	368	369	362	62	16.0
294	Setto	362	369	370	363	62	16.0
295	Setto	365	372	371	364	62	16.0
296	Setto	364	371	373	366	62	16.0
297	Setto	366	373	374	367	62	16.0
298	Setto	367	374	375	368	62	16.0
299	Setto	368	375	376	369	62	16.0
300	Setto	369	376	377	370	62	16.0
301	Setto	372	379	378	371	62	16.0
302	Setto	371	378	380	373	62	16.0
303	Setto	373	380	381	374	62	16.0
304	Setto	374	381	382	375	62	16.0
305	Setto	375	382	383	376	62	16.0
306	Setto	376	383	384	377	62	16.0
307	Setto	62	418	417	407	62	16.0
308	Setto	407	417	419	409	62	16.0
309	Setto	409	419	420	411	62	16.0
310	Setto	411	420	421	413	62	16.0
311	Setto	413	421	422	415	62	16.0
312	Setto	415	422	423	64	62	16.0
313	Setto	418	425	424	417	62	16.0
314	Setto	417	424	426	419	62	16.0
315	Setto	419	426	427	420	62	16.0
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317	Setto	421	428	429	422	62	16.0
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319	Setto	425	75	406	424	62	16.0
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321	Setto	426	408	410	427	62	16.0
322	Setto	427	410	412	428	62	16.0
323	Setto	428	412	414	429	62	16.0
324	Setto	429	414	416	430	62	16.0
325	Setto	57	432	431	56	62	16.0
326	Setto	56	431	433	58	62	16.0
327	Setto	58	433	434	59	62	16.0
328	Setto	59	434	435	60	62	16.0
329	Setto	60	435	124	61	62	16.0
330	Setto	61	124	418	62	62	16.0
331	Setto	118	437	436	117	62	16.0
332	Setto	117	436	438	119	62	16.0
333	Setto	119	438	439	120	62	16.0
334	Setto	120	439	440	121	62	16.0
335	Setto	121	440	441	122	62	16.0
336	Setto	122	441	442	123	62	16.0
337	Setto	437	63	443	436	62	16.0

338	Setto	436	443	65	438	62	16.0
339	Setto	438	65	66	439	62	16.0
340	Setto	439	66	67	440	62	16.0
341	Setto	440	67	68	441	62	16.0
342	Setto	441	68	69	442	62	16.0
343	Setto	123	442	445	444	62	16.0
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346	Setto	448	449	451	450	62	16.0
347	Setto	450	451	453	452	62	16.0
348	Setto	452	453	455	454	62	16.0
349	Setto	442	69	456	445	62	16.0
350	Setto	445	456	457	447	62	16.0
351	Setto	447	457	458	449	62	16.0
352	Setto	449	458	459	451	62	16.0
353	Setto	451	459	460	453	62	16.0
354	Setto	453	460	461	455	62	16.0
355	Setto	69	136	462	456	62	16.0
356	Setto	456	462	463	457	62	16.0
357	Setto	457	463	464	458	62	16.0
358	Setto	458	464	465	459	62	16.0
359	Setto	459	465	466	460	62	16.0
360	Setto	460	466	467	461	62	16.0
361	Setto	247	470	469	468	62	16.0
362	Setto	468	469	472	471	62	16.0
363	Setto	471	472	474	473	62	16.0
364	Setto	473	474	476	475	62	16.0
365	Setto	475	476	478	477	62	16.0
366	Setto	477	478	480	479	62	16.0
367	Setto	470	482	481	469	62	16.0
368	Setto	469	481	483	472	62	16.0
369	Setto	472	483	484	474	62	16.0
370	Setto	474	484	485	476	62	16.0
371	Setto	476	485	486	478	62	16.0
372	Setto	478	486	487	480	62	16.0
373	Setto	482	489	488	481	62	16.0
374	Setto	481	488	490	483	62	16.0
375	Setto	483	490	491	484	62	16.0
376	Setto	484	491	492	485	62	16.0
377	Setto	485	492	493	486	62	16.0
378	Setto	486	493	494	487	62	16.0
379	Setto	489	496	495	488	62	16.0
380	Setto	488	495	497	490	62	16.0
381	Setto	490	497	498	491	62	16.0
382	Setto	491	498	499	492	62	16.0
383	Setto	492	499	500	493	62	16.0
384	Setto	493	500	501	494	62	16.0
385	Setto	496	87	502	495	62	16.0
386	Setto	495	502	503	497	62	16.0
387	Setto	497	503	504	498	62	16.0
388	Setto	498	504	505	499	62	16.0
389	Setto	499	505	506	500	62	16.0
390	Setto	500	506	507	501	62	16.0
391	Setto	241	247	468	508	62	16.0
392	Setto	508	468	471	509	62	16.0
393	Setto	509	471	473	510	62	16.0
394	Setto	510	473	475	511	62	16.0
395	Setto	511	475	477	512	62	16.0
396	Setto	512	477	479	513	62	16.0
397	Setto	514	508	241	235	62	16.0
398	Setto	515	509	508	514	62	16.0
399	Setto	516	510	509	515	62	16.0
400	Setto	517	511	510	516	62	16.0
401	Setto	518	512	511	517	62	16.0
402	Setto	518	513	512		62	16.0
403	Setto	520	514	235	234	62	16.0
404	Setto	521	515	514	520	62	16.0
405	Setto	522	516	515	521	62	16.0
406	Setto	523	517	516	522	62	16.0
407	Setto	524	518	517	523	62	16.0
408	Setto	525	519	518	524	62	16.0
409	Setto	254	241	508	526	62	16.0
410	Setto	526	508	509	527	62	16.0
411	Setto	527	509	510	528	62	16.0
412	Setto	528	510	511	529	62	16.0

413	Setto	529	511	512	530	62	16.0
414	Setto	530	512	513	531	62	16.0
415	Setto	261	254	526	532	62	16.0
416	Setto	532	526	527	533	62	16.0
417	Setto	533	527	528	534	62	16.0
418	Setto	534	528	529	535	62	16.0
419	Setto	535	529	530	536	62	16.0
420	Setto	536	530	531	537	62	16.0
421	Setto	268	261	532	538	62	16.0
422	Setto	538	532	533	539	62	16.0
423	Setto	539	533	534	540	62	16.0
424	Setto	540	534	535	541	62	16.0
425	Setto	541	535	536	542	62	16.0
426	Setto	542	536	537	543	62	16.0
427	Setto	275	268	538	544	62	16.0
428	Setto	544	538	539	545	62	16.0
429	Setto	545	539	540	546	62	16.0
430	Setto	546	540	541	547	62	16.0
431	Setto	547	541	542	548	62	16.0
432	Setto	548	542	543	549	62	16.0
433	Setto	282	275	544	550	62	16.0
434	Setto	550	544	545	551	62	16.0
435	Setto	551	545	546	552	62	16.0
436	Setto	552	546	547	553	62	16.0
437	Setto	553	547	548	554	62	16.0
438	Setto	554	548	549	555	62	16.0
439	Setto	288	282	550	556	62	16.0
440	Setto	556	550	551	557	62	16.0
441	Setto	557	551	552	558	62	16.0
442	Setto	558	552	553	559	62	16.0
443	Setto	559	553	554	560	62	16.0
444	Setto	561	554	555		62	16.0
445	Setto	562	556	288	295	62	16.0
446	Setto	563	557	556	562	62	16.0
447	Setto	564	558	557	563	62	16.0
448	Setto	565	559	558	564	62	16.0
449	Setto	566	560	559	565	62	16.0
450	Setto	567	561	560	566	62	16.0
451	Setto	568	562	295	302	62	16.0
452	Setto	569	563	562	568	62	16.0
453	Setto	570	564	563	569	62	16.0
454	Setto	571	565	564	570	62	16.0
455	Setto	572	566	565	571	62	16.0
456	Setto	573	567	566	572	62	16.0
457	Setto	574	568	302	308	62	16.0
458	Setto	575	569	568	574	62	16.0
459	Setto	576	570	569	575	62	16.0
460	Setto	577	571	570	576	62	16.0
461	Setto	578	572	571	577	62	16.0
462	Setto	579	573	572	578	62	16.0
463	Setto	581	580	209	203	62	16.0
464	Setto	583	582	580	581	62	16.0
465	Setto	585	584	582	583	62	16.0
466	Setto	587	586	584	585	62	16.0
467	Setto	589	588	586	587	62	16.0
468	Setto	591	590	588	589	62	16.0
469	Setto	592	581	203	196	62	16.0
470	Setto	593	583	581	592	62	16.0
471	Setto	594	585	583	593	62	16.0
472	Setto	595	587	585	594	62	16.0
473	Setto	596	589	587	595	62	16.0
474	Setto	597	591	589	596	62	16.0
475	Setto	309	592	196	189	62	16.0
476	Setto	311	593	592	309	62	16.0
477	Setto	313	594	593	311	62	16.0
478	Setto	315	595	594	313	62	16.0
479	Setto	317	596	595	315	62	16.0
480	Setto	319	597	596	317	62	16.0
481	Setto	345	598	216	148	62	16.0
482	Setto	346	599	598	345	62	16.0
483	Setto	347	600	599	346	62	16.0
484	Setto	348	601	600	347	62	16.0
485	Setto	349	602	601	348	62	16.0
486	Setto	350	603	602		62	16.0
487	Setto	598	604	222	216	62	16.0

488	Setto	599	605	604	598	62	16.0
489	Setto	600	606	605	599	62	16.0
490	Setto	601	607	606	600	62	16.0
491	Setto	602	608	607	601	62	16.0
492	Setto	603	609	608	602	62	16.0
493	Setto	384	390	683	677	62	16.0
494	Setto	677	683	684	678	62	16.0
495	Setto	678	684	685	679	62	16.0
496	Setto	679	685	686	680	62	16.0
497	Setto	680	686	687	681	62	16.0
498	Setto	681	687	688	682	62	16.0
499	Setto	319	320	612	611	62	16.0
500	Setto	611	612	614	613	62	16.0
501	Setto	613	614	616	615	62	16.0
502	Setto	615	616	618	617	62	16.0
503	Setto	617	618	620	619	62	16.0
504	Setto	621	620	622		62	16.0
505	Setto	320	326	623	612	62	16.0
506	Setto	612	623	624	614	62	16.0
507	Setto	614	624	625	616	62	16.0
508	Setto	616	625	626	618	62	16.0
509	Setto	618	626	627	620	62	16.0
510	Setto	620	627	628	622	62	16.0
511	Setto	326	332	629	623	62	16.0
512	Setto	623	629	630	624	62	16.0
513	Setto	624	630	631	625	62	16.0
514	Setto	625	631	632	626	62	16.0
515	Setto	626	632	633	627	62	16.0
516	Setto	627	633	634	628	62	16.0
517	Setto	332	338	635	629	62	16.0
518	Setto	629	635	636	630	62	16.0
519	Setto	630	636	637	631	62	16.0
520	Setto	631	637	638	632	62	16.0
521	Setto	632	638	639	633	62	16.0
522	Setto	633	639	640	634	62	16.0
523	Setto	338	344	641	635	62	16.0
524	Setto	635	641	642	636	62	16.0
525	Setto	636	642	643	637	62	16.0
526	Setto	637	643	644	638	62	16.0
527	Setto	638	644	645	639	62	16.0
528	Setto	639	645	646	640	62	16.0
529	Setto	344	350	647	641	62	16.0
530	Setto	641	647	648	642	62	16.0
531	Setto	642	648	649	643	62	16.0
532	Setto	643	649	650	644	62	16.0
533	Setto	644	650	651	645	62	16.0
534	Setto	645	651	652	646	62	16.0
535	Setto	350	356	653	647	62	16.0
536	Setto	647	653	654	648	62	16.0
537	Setto	648	654	655	649	62	16.0
538	Setto	649	655	656	650	62	16.0
539	Setto	650	656	657	651	62	16.0
540	Setto	651	657	658	652	62	16.0
541	Setto	356	363	659	653	62	16.0
542	Setto	653	659	660	654	62	16.0
543	Setto	654	660	661	655	62	16.0
544	Setto	655	661	662	656	62	16.0
545	Setto	656	662	663	657	62	16.0
546	Setto	657	663	664	658	62	16.0
547	Setto	363	370	665	659	62	16.0
548	Setto	659	665	666	660	62	16.0
549	Setto	660	666	667	661	62	16.0
550	Setto	661	667	668	662	62	16.0
551	Setto	662	668	669	663	62	16.0
552	Setto	663	669	670	664	62	16.0
553	Setto	370	377	671	665	62	16.0
554	Setto	665	671	672	666	62	16.0
555	Setto	666	672	673	667	62	16.0
556	Setto	667	673	674	668	62	16.0
557	Setto	668	674	675	669	62	16.0
558	Setto	669	675	676	670	62	16.0
559	Setto	377	384	677	671	62	16.0
560	Setto	671	677	678	672	62	16.0
561	Setto	672	678	679	673	62	16.0
562	Setto	673	679	680	674	62	16.0

563	Setto	674	680	681	675	62	16.0
564	Setto	675	681	682	676	62	16.0
565	Setto	64	423	700	690	62	16.0
566	Setto	690	700	701	692	62	16.0
567	Setto	692	701	702	694	62	16.0
568	Setto	694	702	703	696	62	16.0
569	Setto	696	703	704	698	62	16.0
570	Setto	698	704	705	610	62	16.0
571	Setto	423	430	706	700	62	16.0
572	Setto	700	706	707	701	62	16.0
573	Setto	701	707	708	702	62	16.0
574	Setto	702	708	709	703	62	16.0
575	Setto	703	709	710	704	62	16.0
576	Setto	704	710	711	705	62	16.0
577	Setto	430	416	689	706	62	16.0
578	Setto	706	689	691	707	62	16.0
579	Setto	707	691	693	708	62	16.0
580	Setto	708	693	695	709	62	16.0
581	Setto	709	695	697	710	62	16.0
582	Setto	710	697	699	711	62	16.0
583	Setto	454	455	713	712	62	16.0
584	Setto	712	713	715	714	62	16.0
585	Setto	714	715	717	716	62	16.0
586	Setto	716	717	719	718	62	16.0
587	Setto	718	719	721	720	62	16.0
588	Setto	720	721	723	722	62	16.0
589	Setto	455	461	724	713	62	16.0
590	Setto	713	724	725	715	62	16.0
591	Setto	715	725	726	717	62	16.0
592	Setto	717	726	727	719	62	16.0
593	Setto	719	727	728	721	62	16.0
594	Setto	721	728	729	723	62	16.0
595	Setto	461	467	730	724	62	16.0
596	Setto	724	730	731	725	62	16.0
597	Setto	725	731	732	726	62	16.0
598	Setto	726	732	733	727	62	16.0
599	Setto	727	733	734	728	62	16.0
600	Setto	728	734	735	729	62	16.0
601	Setto	479	480	737	736	62	16.0
602	Setto	736	737	739	738	62	16.0
603	Setto	738	739	741	740	62	16.0
604	Setto	740	741	743	742	62	16.0
605	Setto	742	743	745	744	62	16.0
606	Setto	744	745	747	746	62	16.0
607	Setto	480	487	748	737	62	16.0
608	Setto	737	748	749	739	62	16.0
609	Setto	739	749	750	741	62	16.0
610	Setto	741	750	751	743	62	16.0
611	Setto	743	751	752	745	62	16.0
612	Setto	745	752	753	747	62	16.0
613	Setto	487	494	754	748	62	16.0
614	Setto	748	754	755	749	62	16.0
615	Setto	749	755	756	750	62	16.0
616	Setto	750	756	757	751	62	16.0
617	Setto	751	757	758	752	62	16.0
618	Setto	752	758	759	753	62	16.0
619	Setto	494	501	760	754	62	16.0
620	Setto	754	760	761	755	62	16.0
621	Setto	755	761	762	756	62	16.0
622	Setto	756	762	763	757	62	16.0
623	Setto	757	763	764	758	62	16.0
624	Setto	758	764	765	759	62	16.0
625	Setto	501	507	766	760	62	16.0
626	Setto	760	766	767	761	62	16.0
627	Setto	761	767	768	762	62	16.0
628	Setto	762	768	769	763	62	16.0
629	Setto	763	769	770	764	62	16.0
630	Setto	764	770	771	765	62	16.0
631	Setto	513	479	736	772	62	16.0
632	Setto	772	736	738	773	62	16.0
633	Setto	773	738	740	774	62	16.0
634	Setto	774	740	742	775	62	16.0
635	Setto	775	742	744	776	62	16.0
636	Setto	776	744	746	777	62	16.0
637	Setto	778	772	513	519	62	16.0

638	Setto	779	773	772	778	62	16.0
639	Setto	780	774	773	779	62	16.0
640	Setto	781	775	774	780	62	16.0
641	Setto	782	776	775	781	62	16.0
642	Setto	782	777	776		62	16.0
643	Setto	784	778	519	525	62	16.0
644	Setto	785	779	778	784	62	16.0
645	Setto	786	780	779	785	62	16.0
646	Setto	787	781	780	786	62	16.0
647	Setto	788	782	781	787	62	16.0
648	Setto	789	783	782	788	62	16.0
649	Setto	531	513	772	790	62	16.0
650	Setto	790	772	773	791	62	16.0
651	Setto	791	773	774	792	62	16.0
652	Setto	792	774	775	793	62	16.0
653	Setto	793	775	776	794	62	16.0
654	Setto	794	776	777	795	62	16.0
655	Setto	537	531	790	796	62	16.0
656	Setto	796	790	791	797	62	16.0
657	Setto	797	791	792	798	62	16.0
658	Setto	798	792	793	799	62	16.0
659	Setto	799	793	794	800	62	16.0
660	Setto	800	794	795	801	62	16.0
661	Setto	543	537	796	802	62	16.0
662	Setto	802	796	797	803	62	16.0
663	Setto	803	797	798	804	62	16.0
664	Setto	804	798	799	805	62	16.0
665	Setto	805	799	800	806	62	16.0
666	Setto	806	800	801	807	62	16.0
667	Setto	549	543	802	808	62	16.0
668	Setto	808	802	803	809	62	16.0
669	Setto	809	803	804	810	62	16.0
670	Setto	810	804	805	811	62	16.0
671	Setto	811	805	806	812	62	16.0
672	Setto	812	806	807	813	62	16.0
673	Setto	555	549	808	814	62	16.0
674	Setto	814	808	809	815	62	16.0
675	Setto	815	809	810	816	62	16.0
676	Setto	816	810	811	817	62	16.0
677	Setto	817	811	812	818	62	16.0
678	Setto	818	812	813	819	62	16.0
679	Setto	561	555	814	820	62	16.0
680	Setto	820	814	815	821	62	16.0
681	Setto	821	815	816	822	62	16.0
682	Setto	822	816	817	823	62	16.0
683	Setto	823	817	818	824	62	16.0
684	Setto	825	818	819		62	16.0
685	Setto	826	820	561	567	62	16.0
686	Setto	827	821	820	826	62	16.0
687	Setto	828	822	821	827	62	16.0
688	Setto	829	823	822	828	62	16.0
689	Setto	830	824	823	829	62	16.0
690	Setto	831	825	824	830	62	16.0
691	Setto	832	826	567	573	62	16.0
692	Setto	833	827	826	832	62	16.0
693	Setto	834	828	827	833	62	16.0
694	Setto	835	829	828	834	62	16.0
695	Setto	836	830	829	835	62	16.0
696	Setto	837	831	830	836	62	16.0
697	Setto	838	832	573	579	62	16.0
698	Setto	839	833	832	838	62	16.0
699	Setto	840	834	833	839	62	16.0
700	Setto	841	835	834	840	62	16.0
701	Setto	842	836	835	841	62	16.0
702	Setto	843	837	836	842	62	16.0
703	Setto	845	844	590	591	62	16.0
704	Setto	847	846	844	845	62	16.0
705	Setto	849	848	846	847	62	16.0
706	Setto	851	850	848	849	62	16.0
707	Setto	853	852	850	851	62	16.0
708	Setto	855	854	852	853	62	16.0
709	Setto	856	845	591	597	62	16.0
710	Setto	857	847	845	856	62	16.0
711	Setto	858	849	847	857	62	16.0
712	Setto	391	851	849	858	62	16.0

713	Setto	392	853	851	391	62	16.0
714	Setto	393	855	853	392	62	16.0
715	Setto	611	856	597	319	62	16.0
716	Setto	613	857	856	611	62	16.0
717	Setto	615	858	857	613	62	16.0
718	Setto	617	391	858	615	62	16.0
719	Setto	619	392	391	617	62	16.0
720	Setto	621	393	392	619	62	16.0
721	Setto	647	394	603	350	62	16.0
722	Setto	648	395	394	647	62	16.0
723	Setto	649	396	395	648	62	16.0
724	Setto	650	397	396	649	62	16.0
725	Setto	651	398	397	650	62	16.0
726	Setto	652	399	398		62	16.0
727	Setto	394	400	609	603	62	16.0
728	Setto	395	401	400	394	62	16.0
729	Setto	396	402	401	395	62	16.0
730	Setto	397	403	402	396	62	16.0
731	Setto	398	404	403	397	62	16.0
732	Setto	399	405	404	398	62	16.0
733	Setto	287	281	288		62	16.0
734	Setto	188	182	189		62	16.0
735	Setto	146	148	215		62	16.0
736	Setto	235	241	233		62	16.0
737	Setto	560	554	561		62	16.0
738	Setto	317	318	319		62	16.0
739	Setto	349	350	602		62	16.0
740	Setto	519	513	518		62	16.0
741	Setto	824	818	825		62	16.0
742	Setto	783	777	782		62	16.0
743	Setto	651	652	398		62	16.0
744	Setto	619	620	621		62	16.0

25 MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

25.1 LEGENDA TABELLA DATI SOLAI-PANNELLI

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

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

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

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

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

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico <i>Variab.</i> Carico variabile generico <i>Var. rid.</i> Carico variabile generico con riduzione in funzione dell' area (c.5.5. ...) <i>Neve</i> Carico di neve
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito
Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE	PAG. 307 DI 722

S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: <i>per valore raro</i>
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: <i>per valore frequente</i>
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: <i>per valore quasi permanente</i>
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: <i>per la definizione delle masse sismiche</i>
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

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

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

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

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

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

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

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

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

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

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

Utilizzabile per il materiale [52].

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

Utilizzabile per il materiale [53].

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

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

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

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

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

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

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

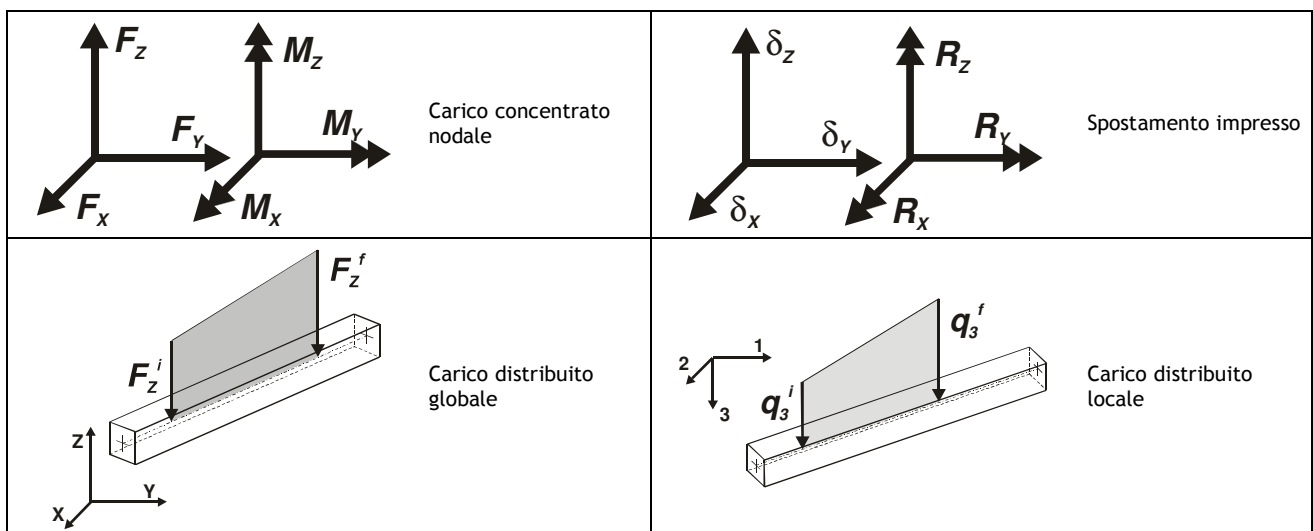
Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k kN/ m2	G2k kN/ m2	Qk kN/ m2	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	155	162	169	176	183
									189	196	203	209	308
									302	295	288	282	275
									268	261	254	241	235
									234	222	216	148	
2	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	216	222	234	235	241
									247	87	88	95	102
									109	116	123	442	69
									136	75	425	418	62
									55	48	41	34	27
									26	379	372	365	358
									147	148			
3	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	430	423	64	390	384
									377	370	363	356	350
									603	609	525	519	513
									479	480	487	494	501
									507	454	455	461	467
									416				
4	CM	2	m=78	22.0	0.0	0.90	0.50	1.20	711	705	610	688	682
									676	670	664	658	652
									399	405	789	783	777
									746	747	753	759	765
									771	722	723	729	735
									699				
5	CM	2	m=78	22.0	0.0	0.90	0.50	1.20	646	640	634	628	622
									621	393	855	854	843
									837	831	825	819	813
									807	801	795	777	783
									789	405	399	652	

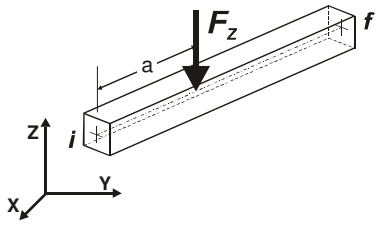
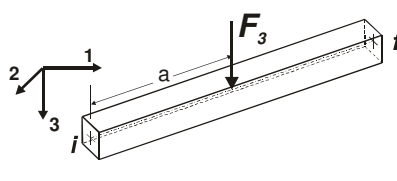
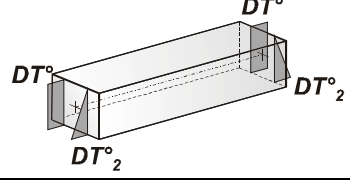
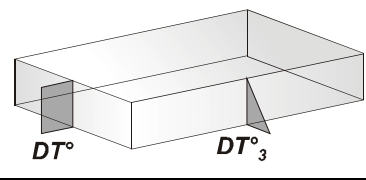
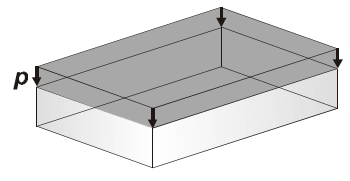
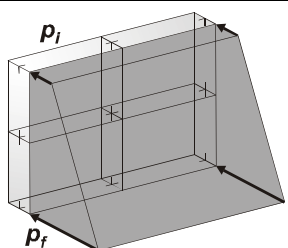
26 MODELLAZIONE DELLE AZIONI

26.1 LEGENDA TABELLA DATI AZIONI

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

1	carico concentrato nodale 6 dati (forza F_x , F_y , F_z , momento M_x , M_y , M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x , T_y , T_z , rotazione R_x , R_y , R_z)
3	carico distribuito globale su elemento tipo trave 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di inizio carico) 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di inizio carico) 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (F_x , F_y , F_z , M_x , M_y , M_z , ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F_1 , F_2 , F_3 , M_1 , M_2 , M_3 , ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)



 <p>Carico concentrato globale</p>	 <p>Carico concentrato locale</p>
 <p>Carico termico 2D</p>	 <p>Carico termico 3D</p>
 <p>Carico pressione uniforme</p>	 <p>Carico pressione variabile</p>

27 SCHEMATIZZAZIONE DEI CASI DI CARICO

27.1 LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

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

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

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

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

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

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

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

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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Qsk	CDC=Qsk (variabile solai)	
5	Qnk	CDC=Qnk (carico da neve)	
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=Qsk (variabile solai)
			partecipazione:1.00 per 5 CDC=Qnk (carico da neve)
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
14	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. +)	come precedente CDC sismico
15	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	come precedente CDC sismico
16	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	come precedente CDC sismico
17	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	come precedente CDC sismico
18	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. +)	come precedente CDC sismico
19	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. -)	come precedente CDC sismico
20	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. +)	come precedente CDC sismico
21	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	come precedente CDC sismico

28 DEFINIZIONE DELLE COMBINAZIONI

28.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

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

Combinazione fondamentale SLU

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

Combinazione caratteristica (rara) SLE

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

Combinazione frequente SLE

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

Combinazione quasi permanente SLE

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

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

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

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

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

Dove:

NTC 2018 Tabella 2.5.1

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

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

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

- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.1

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

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLU	Comb. SLU A1 (SLV sism.) 45	
46	SLU	Comb. SLU A1 (SLV sism.) 46	
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	

Cmb	Tipo	Sigla Id	effetto P-delta
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLD(sis)	Comb. SLE (SLD Danno sism.) 77	
78	SLD(sis)	Comb. SLE (SLD Danno sism.) 78	
79	SLD(sis)	Comb. SLE (SLO Operativo sism.) 79	
80	SLD(sis)	Comb. SLE (SLO Operativo sism.) 80	
81	SLD(sis)	Comb. SLE (SLO Operativo sism.) 81	
82	SLD(sis)	Comb. SLE (SLO Operativo sism.) 82	
83	SLD(sis)	Comb. SLE (SLO Operativo sism.) 83	
84	SLD(sis)	Comb. SLE (SLO Operativo sism.) 84	
85	SLD(sis)	Comb. SLE (SLO Operativo sism.) 85	
86	SLD(sis)	Comb. SLE (SLO Operativo sism.) 86	
87	SLD(sis)	Comb. SLE (SLO Operativo sism.) 87	
88	SLD(sis)	Comb. SLE (SLO Operativo sism.) 88	
89	SLD(sis)	Comb. SLE (SLO Operativo sism.) 89	
90	SLD(sis)	Comb. SLE (SLO Operativo sism.) 90	
91	SLD(sis)	Comb. SLE (SLO Operativo sism.) 91	
92	SLD(sis)	Comb. SLE (SLO Operativo sism.) 92	
93	SLD(sis)	Comb. SLE (SLO Operativo sism.) 93	
94	SLD(sis)	Comb. SLE (SLO Operativo sism.) 94	
95	SLD(sis)	Comb. SLE (SLO Operativo sism.) 95	
96	SLD(sis)	Comb. SLE (SLO Operativo sism.) 96	
97	SLD(sis)	Comb. SLE (SLO Operativo sism.) 97	
98	SLD(sis)	Comb. SLE (SLO Operativo sism.) 98	
99	SLD(sis)	Comb. SLE (SLO Operativo sism.) 99	
100	SLD(sis)	Comb. SLE (SLO Operativo sism.) 100	
101	SLD(sis)	Comb. SLE (SLO Operativo sism.) 101	
102	SLD(sis)	Comb. SLE (SLO Operativo sism.) 102	
103	SLD(sis)	Comb. SLE (SLO Operativo sism.) 103	
104	SLD(sis)	Comb. SLE (SLO Operativo sism.) 104	
105	SLD(sis)	Comb. SLE (SLO Operativo sism.) 105	
106	SLD(sis)	Comb. SLE (SLO Operativo sism.) 106	
107	SLD(sis)	Comb. SLE (SLO Operativo sism.) 107	
108	SLD(sis)	Comb. SLE (SLO Operativo sism.) 108	
109	SLD(sis)	Comb. SLE (SLO Operativo sism.) 109	
110	SLD(sis)	Comb. SLE (SLO Operativo sism.) 110	
111	SLU	Comb. SLU A1 (SLC sism.) 111	
112	SLU	Comb. SLU A1 (SLC sism.) 112	
113	SLU	Comb. SLU A1 (SLC sism.) 113	
114	SLU	Comb. SLU A1 (SLC sism.) 114	
115	SLU	Comb. SLU A1 (SLC sism.) 115	
116	SLU	Comb. SLU A1 (SLC sism.) 116	
117	SLU	Comb. SLU A1 (SLC sism.) 117	
118	SLU	Comb. SLU A1 (SLC sism.) 118	
119	SLU	Comb. SLU A1 (SLC sism.) 119	
120	SLU	Comb. SLU A1 (SLC sism.) 120	
121	SLU	Comb. SLU A1 (SLC sism.) 121	
122	SLU	Comb. SLU A1 (SLC sism.) 122	
123	SLU	Comb. SLU A1 (SLC sism.) 123	
124	SLU	Comb. SLU A1 (SLC sism.) 124	
125	SLU	Comb. SLU A1 (SLC sism.) 125	
126	SLU	Comb. SLU A1 (SLC sism.) 126	
127	SLU	Comb. SLU A1 (SLC sism.) 127	
128	SLU	Comb. SLU A1 (SLC sism.) 128	

Cmb	Tipo	Sigla Id	effetto P-delta
129	SLU	Comb. SLU A1 (SLC sism.) 129	
130	SLU	Comb. SLU A1 (SLC sism.) 130	
131	SLU	Comb. SLU A1 (SLC sism.) 131	
132	SLU	Comb. SLU A1 (SLC sism.) 132	
133	SLU	Comb. SLU A1 (SLC sism.) 133	
134	SLU	Comb. SLU A1 (SLC sism.) 134	
135	SLU	Comb. SLU A1 (SLC sism.) 135	
136	SLU	Comb. SLU A1 (SLC sism.) 136	
137	SLU	Comb. SLU A1 (SLC sism.) 137	
138	SLU	Comb. SLU A1 (SLC sism.) 138	
139	SLU	Comb. SLU A1 (SLC sism.) 139	
140	SLU	Comb. SLU A1 (SLC sism.) 140	
141	SLU	Comb. SLU A1 (SLC sism.) 141	
142	SLU	Comb. SLU A1 (SLC sism.) 142	
143	SLE(r)	Comb. SLE(rara) 143	
144	SLE(r)	Comb. SLE(rara) 144	
145	SLE(r)	Comb. SLE(rara) 145	
146	SLE(r)	Comb. SLE(rara) 146	
147	SLE(r)	Comb. SLE(rara) 147	
148	SLE(r)	Comb. SLE(rara) 148	
149	SLE(r)	Comb. SLE(rara) 149	
150	SLE(f)	Comb. SLE(freq.) 150	
151	SLE(f)	Comb. SLE(freq.) 151	
152	SLE(f)	Comb. SLE(freq.) 152	
153	SLE(f)	Comb. SLE(freq.) 153	
154	SLE(f)	Comb. SLE(freq.) 154	
155	SLE(p)	Comb. SLE(perm.) 155	
156	SLE(p)	Comb. SLE(perm.) 156	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.30	1.30	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	1.00	1.00	0.80	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1.00	1.00	0.80	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1.30	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	1.30	1.30	1.50	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	1.00	1.00	0.80	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	1.00	1.00	0.80	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	1.00	1.00	1.00	0.60	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
16	1.00	1.00	1.00	0.60	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
17	1.00	1.00	1.00	0.60	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
18	1.00	1.00	1.00	0.60	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
19	1.00	1.00	1.00	0.60	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
20	1.00	1.00	1.00	0.60	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
21	1.00	1.00	1.00	0.60	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
22	1.00	1.00	1.00	0.60	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
23	1.00	1.00	1.00	0.60	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
24	1.00	1.00	1.00	0.60	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
25	1.00	1.00	1.00	0.60	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
26	1.00	1.00	1.00	0.60	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
27	1.00	1.00	1.00	0.60	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
28	1.00	1.00	1.00	0.60	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
29	1.00	1.00	1.00	0.60	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
30	1.00	1.00	1.00	0.60	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
31	1.00	1.00	1.00	0.60	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
32	1.00	1.00	1.00	0.60	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
33	1.00	1.00	1.00	0.60	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
34	1.00	1.00	1.00	0.60	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
35	1.00	1.00	1.00	0.60	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
36	1.00	1.00	1.00	0.60	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
37	1.00	1.00	1.00	0.60	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
38	1.00	1.00	1.00	0.60	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
39	1.00	1.00	1.00	0.60	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
40	1.00	1.00	1.00	0.60	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
41	1.00	1.00	1.00	0.60	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
42	1.00	1.00	1.00	0.60	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
43	1.00	1.00	1.00	0.60	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
44	1.00	1.00	1.00	0.60	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
45	1.00	1.00	1.00	0.60	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
46	1.00	1.00	1.00	0.60	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
47	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
48	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
49	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
50	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
51	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
52	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
53	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
54	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
55	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
56	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
57	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
58	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
59	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
60	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
61	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
62	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
63	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
64	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
65	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
66	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
67	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
68	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
69	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
70	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
71	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
72	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
73	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
74	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
75	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
76	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
77	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
78	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
79	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.0	-0.30	0.0	0.0	0.0	0.0	0.0							
80	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.0	0.30	0.0	0.0	0.0	0.0	0.0							
81	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	-0.30	0.0	0.0	0.0	0.0	0.0							
82	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.30	0.0	0.0	0.0	0.0	0.0							
83	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.0	0.0	-0.30	0.0	0.0	0.0	0.0							
84	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00
	0.0	0.0	0.30	0.0	0.0	0.0	0.0							
85	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	-0.30	0.0	0.0	0.0	0.0							
86	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.30	0.0	0.0	0.0	0.0							
87	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0							
88	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-1.00	0.30	0.0	0.0	0.0	0.0	0.0							
89	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	-0.30	0.0	0.0	0.0	0.0	0.0							
90	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.30	0.0	0.0	0.0	0.0	0.0							
91	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0							
92	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-1.00	0.0	0.30	0.0	0.0	0.0	0.0							
93	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	-0.30	0.0	0.0	0.0	0.0							
94	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	0.30	0.0	0.0	0.0	0.0							
95	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	0.0	-1.00	0.0	0.0	0.0	0.0	0.0							
96	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	0.0	1.00	0.0	0.0	0.0	0.0	0.0							
97	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	0.0	-1.00	0.0	0.0	0.0	0.0	0.0							
98	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	0.0	1.00	0.0	0.0	0.0	0.0	0.0							
99	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0							
100	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.30	1.00	0.0	0.0	0.0	0.0	0.0							
101	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.30	-1.00	0.0	0.0	0.0	0.0	0.0							
102	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.30	1.00	0.0	0.0	0.0	0.0	0.0							
103	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	0.0	0.0	-1.00	0.0	0.0	0.0	0.0							
104	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30
	0.0	0.0	1.00	0.0	0.0	0.0	0.0							
105	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	0.0	0.0	-1.00	0.0	0.0	0.0	0.0							
106	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30
	0.0	0.0	1.00	0.0	0.0	0.0	0.0							
107	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0							
108	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-0.30	0.0	1.00	0.0	0.0	0.0	0.0							
109	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.30	0.0	-1.00	0.0	0.0	0.0	0.0							
110	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.30	0.0	1.00	0.0	0.0	0.0	0.0							
111	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0							
112	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	0.30	0.0							
113	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	-0.30	0.0							
114	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	0.30	0.0							
115	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30							
116	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	0.0	0.30							
117	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	0.0	-0.30							
118	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	0.0	0.30							
119	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0							
120	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	0.30	0.0							
121	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	-0.30	0.0							
122	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	0.30	0.0							
123	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30							
124	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	0.0	0.30							
125	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	0.0	-0.30							
126	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	0.0	0.30							

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
127	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0							
128	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	1.00	0.0							
129	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	-1.00	0.0							
130	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	1.00	0.0							
131	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0							
132	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	1.00	0.0							
133	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	-1.00	0.0							
134	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	1.00	0.0							
135	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00							
136	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	0.0	1.00							
137	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	0.0	-1.00							
138	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	0.0	1.00							
139	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00							
140	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	0.0	1.00							
141	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	0.0	-1.00							
142	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	0.0	1.00							
143	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
144	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
145	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
146	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
147	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
148	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
149	1.00	1.00	1.00	0.70	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
150	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
151	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
152	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
153	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
154	1.00	1.00	1.00	0.60	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
155	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
156	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							

29 AZIONE SISMICA

29.1 VALUTAZIONE DELL' AZIONE SISMICA

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

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

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

ag: accelerazione orizzontale massima del terreno;

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

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

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

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

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

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

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

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

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

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

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

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

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

30 RISULTATI ANALISI SISMICHE

30.1 LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

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

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

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

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

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

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

rigidezze, rapporto r/L_s (per strutture a nucleo) , indici di regolarità e/r secondo EC8 4.2.3.2

- frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
- massa complessiva ed aliquota di massa complessiva eccitata.

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

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

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare 619/2009 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE , area ridotta e dimensione A_2 , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

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

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

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

Affinché la verifica sia positiva deve essere:

- 7) $V > 0$
- 8) $\text{Sig } s < f_{yk}$
- 9) $\text{Gam } t < 5$
- 10) $\text{Gam } s < \text{Gam}^*$ (caratteristica dell' elastomero)
- 11) $\text{Gam } s < 2$
- 12) $V < 0.5 V_{cr}$

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

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

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.650 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.0	-0.55	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.0	-0.55	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.0	-0.55	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.0	-0.55	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.0	-0.55	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.0	-0.55	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.539	0.650	0.223	532.99	73.9	0.0	0.0	0.0	0.0	0.0	0.0
2	4.088	0.245	0.354	0.15	2.04e-02	8.81e-05	1.22e-05	0.0	0.0	0.0	0.0
3	4.808	0.208	0.272	149.21	20.7	4.64e-04	6.44e-05	0.0	0.0	0.0	0.0
4	5.178	0.193	0.268	9.33e-05	1.29e-05	610.98	84.7	0.94	0.1	0.0	0.0
5	6.730	0.149	0.232	7.35	1.0	0.0	0.0	0.0	0.0	0.0	0.0
6	10.445	0.096	0.202	15.64	2.2	3.46e-06	0.0	1.74e-06	0.0	0.0	0.0
7	12.225	0.082	0.179	3.24e-06	0.0	89.04	12.3	17.22	2.4	0.0	0.0
8	16.746	0.060	0.145	1.56e-05	2.16e-06	0.65	8.96e-02	0.22	3.03e-02	0.0	0.0
9	19.053	0.052	0.139	1.93	0.3	1.56e-03	2.16e-04	3.19e-06	0.0	0.0	0.0
10	20.574	0.049	0.136	2.33e-03	3.23e-04	6.48	0.9	73.48	10.2	0.0	0.0
11	22.004	0.045	0.134	0.08	1.10e-02	0.03	4.71e-03	33.57	4.7	0.0	0.0
12	23.258	0.043	0.132	0.02	2.32e-03	0.14	1.88e-02	153.49	21.3	0.0	0.0
13	24.922	0.040	0.130	2.27e-04	3.15e-05	0.66	9.11e-02	2.94	0.4	0.0	0.0
14	31.628	0.032	0.129	0.11	1.56e-02	0.15	2.03e-02	130.72	18.1	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
15	33.522	0.030	0.128	9.46	1.3	1.65e-03	2.29e-04	1.67	0.2	0.0	0.0
16	51.991	0.019	0.127	0.01	1.76e-03	0.06	7.92e-03	96.20	13.3	0.0	0.0
17	79.369	0.013	0.127	2.70e-03	3.74e-04	0.98	0.1	175.05	24.3	0.0	0.0
18	81.389	0.012	0.127	5.74e-04	7.95e-05	10.32	1.4	11.85	1.6	0.0	0.0
Risulta				716.95		719.49		697.33			
In percentuale				99.38		99.73		96.66			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.688 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.0	0.55	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.0	0.55	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.0	0.55	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.0	0.55	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.0	0.55	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.0	0.55	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.0	0.55	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.455	0.688	0.204	531.98	73.7	0.0	0.0	0.0	0.0	0.0	0.0
2	4.024	0.248	0.365	22.20	3.1	2.69e-05	3.72e-06	0.0	0.0	0.0	0.0
3	4.682	0.214	0.274	129.29	17.9	5.85e-04	8.11e-05	0.0	0.0	0.0	0.0
4	5.178	0.193	0.268	8.16e-05	1.13e-05	610.98	84.7	0.94	0.1	0.0	0.0
5	6.290	0.159	0.245	5.00	0.7	6.60e-06	0.0	0.0	0.0	0.0	0.0
6	11.100	0.090	0.193	16.56	2.3	2.18e-05	3.02e-06	7.35e-06	1.02e-06	0.0	0.0
7	12.226	0.082	0.179	9.70e-06	1.34e-06	89.07	12.3	17.22	2.4	0.0	0.0
8	16.798	0.060	0.145	8.30e-06	1.15e-06	0.64	8.84e-02	0.23	3.19e-02	0.0	0.0
9	19.401	0.052	0.139	4.95	0.7	3.92e-05	5.43e-06	2.69e-03	3.73e-04	0.0	0.0
10	20.622	0.048	0.136	6.39e-04	8.85e-05	6.51	0.9	81.73	11.3	0.0	0.0
11	23.086	0.043	0.132	6.13e-04	8.49e-05	0.15	2.09e-02	173.98	24.1	0.0	0.0
12	24.583	0.041	0.130	0.11	1.48e-02	0.48	6.68e-02	7.39	1.0	0.0	0.0
13	26.906	0.037	0.129	0.57	7.84e-02	0.14	1.98e-02	0.25	3.51e-02	0.0	0.0
14	31.600	0.032	0.129	0.12	1.67e-02	0.14	1.94e-02	130.09	18.0	0.0	0.0
15	36.343	0.028	0.128	6.26	0.9	6.97e-04	9.66e-05	4.05	0.6	0.0	0.0
16	53.185	0.019	0.127	0.16	2.24e-02	0.08	1.18e-02	104.91	14.5	0.0	0.0
17	80.082	0.012	0.127	0.02	2.84e-03	5.06	0.7	107.84	14.9	0.0	0.0
18	82.602	0.012	0.127	0.04	5.19e-03	6.25	0.9	69.85	9.7	0.0	0.0
Risulta				717.26		719.52		698.48			
In percentuale				99.42		99.73		96.81			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.192 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.30	0.0	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.30	0.0	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.30	0.0	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.30	0.0	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.30	0.0	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.30	0.0	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.30	0.0	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.496	0.668	0.211	531.65	73.7	0.16	2.25e-02	1.50e-06	0.0	0.0	0.0
2	4.051	0.247	0.360	3.89	0.5	11.57	1.6	5.25e-03	7.28e-04	0.0	0.0
3	4.685	0.213	0.274	142.88	19.8	25.38	3.5	0.03	4.11e-03	0.0	0.0
4	5.218	0.192	0.268	4.03	0.6	573.67	79.5	0.90	0.1	0.0	0.0
5	6.508	0.154	0.238	5.99	0.8	0.27	3.81e-02	2.15e-03	2.99e-04	0.0	0.0
6	10.648	0.094	0.199	16.27	2.3	4.62	0.6	0.40	5.51e-02	0.0	0.0
7	12.303	0.081	0.178	0.45	6.20e-02	84.31	11.7	16.98	2.4	0.0	0.0
8	15.298	0.065	0.153	0.36	4.93e-02	0.28	3.92e-02	0.04	6.02e-03	0.0	0.0
9	17.054	0.059	0.144	0.27	3.80e-02	0.29	4.03e-02	0.09	1.31e-02	0.0	0.0
10	19.648	0.051	0.138	0.28	3.88e-02	2.66	0.4	11.89	1.6	0.0	0.0
11	21.247	0.047	0.135	0.22	3.06e-02	3.93	0.5	110.96	15.4	0.0	0.0
12	23.266	0.043	0.132	1.84	0.3	0.43	6.01e-02	89.94	12.5	0.0	0.0
13	23.708	0.042	0.131	3.45	0.5	0.27	3.69e-02	29.70	4.1	0.0	0.0
14	25.785	0.039	0.129	1.38e-03	1.91e-04	0.10	1.33e-02	41.59	5.8	0.0	0.0
15	33.566	0.030	0.128	3.16e-03	4.38e-04	0.17	2.36e-02	132.58	18.4	0.0	0.0
16	45.472	0.022	0.128	6.67	0.9	1.38e-03	1.92e-04	0.04	5.17e-03	0.0	0.0
17	68.968	0.014	0.127	3.47e-04	4.81e-05	0.03	3.79e-03	249.74	34.6	0.0	0.0
18	79.698	0.013	0.127	3.70e-04	5.13e-05	11.12	1.5	0.92	0.1	0.0	0.0
Risulta				718.26		719.27		685.83			
In percentuale				99.56		99.70		95.06			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.192 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	-0.30	0.0	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	-0.30	0.0	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	-0.30	0.0	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	-0.30	0.0	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	-0.30	0.0	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	-0.30	0.0	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X %	M efficace Y %	M efficace Z %	Energia	Energia x v			
	Hz	sec	g	x g	x g	x g					
			kN								
1	1.496	0.668	0.211	531.66	73.7	0.16	2.23e-02	1.68e-06	0.0	0.0	0.0
2	4.051	0.247	0.360	3.90	0.5	11.47	1.6	5.26e-03	7.28e-04	0.0	0.0
3	4.685	0.213	0.274	142.92	19.8	25.07	3.5	0.03	4.08e-03	0.0	0.0
4	5.218	0.192	0.268	3.98	0.6	574.08	79.6	0.90	0.1	0.0	0.0
5	6.508	0.154	0.238	5.99	0.8	0.28	3.86e-02	2.19e-03	3.04e-04	0.0	0.0
6	10.648	0.094	0.199	16.28	2.3	4.60	0.6	0.39	5.46e-02	0.0	0.0
7	12.303	0.081	0.178	0.44	6.12e-02	84.34	11.7	16.99	2.4	0.0	0.0
8	15.302	0.065	0.153	0.36	4.97e-02	0.28	3.86e-02	0.05	6.24e-03	0.0	0.0
9	17.078	0.059	0.144	0.28	3.88e-02	0.30	4.13e-02	0.10	1.32e-02	0.0	0.0
10	19.690	0.051	0.138	0.25	3.40e-02	2.77	0.4	12.92	1.8	0.0	0.0
11	21.268	0.047	0.135	0.20	2.71e-02	3.82	0.5	110.94	15.4	0.0	0.0
12	23.260	0.043	0.132	2.15	0.3	0.42	5.78e-02	80.51	11.2	0.0	0.0
13	23.650	0.042	0.131	3.17	0.4	0.29	3.97e-02	38.08	5.3	0.0	0.0
14	25.766	0.039	0.129	1.56e-03	2.16e-04	0.10	1.33e-02	41.45	5.7	0.0	0.0
15	33.556	0.030	0.128	7.18e-04	9.95e-05	0.17	2.35e-02	132.74	18.4	0.0	0.0
16	45.319	0.022	0.128	6.69	0.9	8.43e-04	1.17e-04	5.39e-03	7.47e-04	0.0	0.0
17	68.956	0.015	0.127	5.02e-05	6.96e-06	0.03	3.84e-03	249.77	34.6	0.0	0.0
18	79.722	0.013	0.127	2.31e-04	3.20e-05	11.13	1.5	0.93	0.1	0.0	0.0
Risulta				718.25		719.27		685.81			
In percentuale				99.56		99.70		95.06			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.650 sec.
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.0	-0.55	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.0	-0.55	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.0	-0.55	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.0	-0.55	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.0	-0.55	3.00	1.48	0.695	0.0	0.181

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
2.92	9.87	3.00	4.77	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.0	-0.55	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X %	M efficace Y %	M efficace Z %	Energia	Energia x v
	Hz	sec	g	x g	x g	x g		
1	1.539	0.650	0.190	532.99	73.9	0.0	0.0	0.0
2	4.088	0.245	0.396	0.15	2.04e-02	8.81e-05	1.22e-05	0.0
3	4.808	0.208	0.295	149.21	20.7	4.64e-04	6.44e-05	0.0
4	5.178	0.193	0.279	9.33e-05	1.29e-05	610.98	84.7	0.94
5	6.730	0.149	0.246	7.35	1.0	0.0	0.0	0.0
6	10.445	0.096	0.245	15.64	2.2	3.46e-06	0.0	1.74e-06
7	12.225	0.082	0.213	3.24e-06	0.0	89.04	12.3	17.22
8	16.746	0.060	0.161	1.56e-05	2.16e-06	0.65	8.96e-02	0.22
9	19.053	0.052	0.152	1.93	0.3	1.56e-03	2.16e-04	3.19e-06
10	20.574	0.049	0.146	2.33e-03	3.23e-04	6.48	73.48	10.2
11	22.004	0.045	0.142	0.08	1.10e-02	0.03	4.71e-03	33.57
12	23.258	0.043	0.139	0.02	2.32e-03	0.14	1.88e-02	153.49
13	24.922	0.040	0.135	2.27e-04	3.15e-05	0.66	9.11e-02	2.94
14	31.628	0.032	0.133	0.11	1.56e-02	0.15	2.03e-02	130.72
15	33.522	0.030	0.133	9.46	1.3	1.65e-03	2.29e-04	1.67
16	51.991	0.019	0.131	0.01	1.76e-03	0.06	7.92e-03	96.20
17	79.369	0.013	0.131	2.70e-03	3.74e-04	0.98	0.1	175.05
18	81.389	0.012	0.131	5.74e-04	7.95e-05	10.32	1.4	11.85
Risulta				716.95		719.49		697.33
In percentuale				99.38		99.73		96.66

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.688 sec.
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.0	0.55	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.0	0.55	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.0	0.55	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.0	0.55	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.0	0.55	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.0	0.55	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.0	0.55	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X %	M efficace Y %	M efficace Z %	Energia	Energia x v
	Hz	sec	g	x g	x g	x g		
1	1.455	0.688	0.163	531.98	73.7	0.0	0.0	0.0
2	4.024	0.248	0.402	22.20	3.1	2.69e-05	3.72e-06	0.0
3	4.682	0.214	0.303	129.29	17.9	5.85e-04	8.11e-05	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
4	5.178	0.193	0.279	8.16e-05	1.13e-05	610.98	84.7	0.94	0.1	0.0	0.0
5	6.290	0.159	0.255	5.00	0.7	6.60e-06	0.0	0.0	0.0	0.0	0.0
6	11.100	0.090	0.232	16.56	2.3	2.18e-05	3.02e-06	7.35e-06	1.02e-06	0.0	0.0
7	12.226	0.082	0.213	9.70e-06	1.34e-06	89.07	12.3	17.22	2.4	0.0	0.0
8	16.798	0.060	0.161	8.30e-06	1.15e-06	0.64	8.84e-02	0.23	3.19e-02	0.0	0.0
9	19.401	0.052	0.150	4.95	0.7	3.92e-05	5.43e-06	2.69e-03	3.73e-04	0.0	0.0
10	20.622	0.048	0.146	6.39e-04	8.85e-05	6.51	0.9	81.73	11.3	0.0	0.0
11	23.086	0.043	0.139	6.13e-04	8.49e-05	0.15	2.09e-02	173.98	24.1	0.0	0.0
12	24.583	0.041	0.136	0.11	1.48e-02	0.48	6.68e-02	7.39	1.0	0.0	0.0
13	26.906	0.037	0.134	0.57	7.84e-02	0.14	1.98e-02	0.25	3.51e-02	0.0	0.0
14	31.600	0.032	0.133	0.12	1.67e-02	0.14	1.94e-02	130.09	18.0	0.0	0.0
15	36.343	0.028	0.132	6.26	0.9	6.97e-04	9.66e-05	4.05	0.6	0.0	0.0
16	53.185	0.019	0.131	0.16	2.24e-02	0.08	1.18e-02	104.91	14.5	0.0	0.0
17	80.082	0.012	0.131	0.02	2.84e-03	5.06	0.7	107.84	14.9	0.0	0.0
18	82.602	0.012	0.131	0.04	5.19e-03	6.25	0.9	69.85	9.7	0.0	0.0
Risulta				717.26		719.52		698.48			
In percentuale				99.42		99.73		96.81			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.192 sec.
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.30	0.0	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.30	0.0	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.30	0.0	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.30	0.0	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.30	0.0	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.30	0.0	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.30	0.0	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.496	0.668	0.175	531.65	73.7	0.16	2.25e-02	1.50e-06	0.0	0.0	0.0
2	4.051	0.247	0.399	3.89	0.5	11.57	1.6	5.25e-03	7.28e-04	0.0	0.0
3	4.685	0.213	0.303	142.88	19.8	25.38	3.5	0.03	4.11e-03	0.0	0.0
4	5.218	0.192	0.278	4.03	0.6	573.67	79.5	0.90	0.1	0.0	0.0
5	6.508	0.154	0.251	5.99	0.8	0.27	3.81e-02	2.15e-03	2.99e-04	0.0	0.0
6	10.648	0.094	0.240	16.27	2.3	4.62	0.6	0.40	5.51e-02	0.0	0.0
7	12.303	0.081	0.212	0.45	6.20e-02	84.31	11.7	16.98	2.4	0.0	0.0
8	15.298	0.065	0.174	0.36	4.93e-02	0.28	3.92e-02	0.04	6.02e-03	0.0	0.0
9	17.054	0.059	0.160	0.27	3.80e-02	0.29	4.03e-02	0.09	1.31e-02	0.0	0.0
10	19.648	0.051	0.149	0.28	3.88e-02	2.66	0.4	11.89	1.6	0.0	0.0
11	21.247	0.047	0.144	0.22	3.06e-02	3.93	0.5	110.96	15.4	0.0	0.0
12	23.266	0.043	0.139	1.84	0.3	0.43	6.01e-02	89.94	12.5	0.0	0.0
13	23.708	0.042	0.138	3.45	0.5	0.27	3.69e-02	29.70	4.1	0.0	0.0
14	25.785	0.039	0.134	1.38e-03	1.91e-04	0.10	1.33e-02	41.59	5.8	0.0	0.0
15	33.566	0.030	0.133	3.16e-03	4.38e-04	0.17	2.36e-02	132.58	18.4	0.0	0.0
16	45.472	0.022	0.131	6.67	0.9	1.38e-03	1.92e-04	0.04	5.17e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X % x g	M efficace Y % x g	M efficace Z % x g	Energia	Energia x v		
17	68.968	0.014	0.131	3.47e-04	4.81e-05	0.03	249.74	34.6	0.0	0.0
18	79.698	0.013	0.131	3.70e-04	5.13e-05	11.12	0.92	0.1	0.0	0.0
Risulta				718.26		719.27	685.83			
In percentuale				99.56		99.70	95.06			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.192 sec.
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	-0.30	0.0	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	-0.30	0.0	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	-0.30	0.0	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	-0.30	0.0	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	-0.30	0.0	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	-0.30	0.0	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X % x g	M efficace Y % x g	M efficace Z % x g	Energia	Energia x v			
	Hz	sec	g	kN	kN	kN					
1	1.496	0.668	0.175	531.66	73.7	0.16	2.23e-02	1.68e-06	0.0	0.0	0.0
2	4.051	0.247	0.399	3.90	0.5	11.47	1.6	5.26e-03	7.28e-04	0.0	0.0
3	4.685	0.213	0.303	142.92	19.8	25.07	3.5	0.03	4.08e-03	0.0	0.0
4	5.218	0.192	0.278	3.98	0.6	574.08	79.6	0.90	0.1	0.0	0.0
5	6.508	0.154	0.251	5.99	0.8	0.28	3.86e-02	2.19e-03	3.04e-04	0.0	0.0
6	10.648	0.094	0.240	16.28	2.3	4.60	0.6	0.39	5.46e-02	0.0	0.0
7	12.303	0.081	0.212	0.44	6.12e-02	84.34	11.7	16.99	2.4	0.0	0.0
8	15.302	0.065	0.174	0.36	4.97e-02	0.28	3.86e-02	0.05	6.24e-03	0.0	0.0
9	17.078	0.059	0.160	0.28	3.88e-02	0.30	4.13e-02	0.10	1.32e-02	0.0	0.0
10	19.690	0.051	0.149	0.25	3.40e-02	2.77	0.4	12.92	1.8	0.0	0.0
11	21.268	0.047	0.144	0.20	2.71e-02	3.82	0.5	110.94	15.4	0.0	0.0
12	23.260	0.043	0.139	2.15	0.3	0.42	5.78e-02	80.51	11.2	0.0	0.0
13	23.650	0.042	0.138	3.17	0.4	0.29	3.97e-02	38.08	5.3	0.0	0.0
14	25.766	0.039	0.134	1.56e-03	2.16e-04	0.10	1.33e-02	41.45	5.7	0.0	0.0
15	33.556	0.030	0.133	7.18e-04	9.95e-05	0.17	2.35e-02	132.74	18.4	0.0	0.0
16	45.319	0.022	0.131	6.69	0.9	8.43e-04	1.17e-04	5.39e-03	7.47e-04	0.0	0.0
17	68.956	0.015	0.131	5.02e-05	6.96e-06	0.03	3.84e-03	249.77	34.6	0.0	0.0
18	79.722	0.013	0.131	2.31e-04	3.20e-05	11.13	1.5	0.93	0.1	0.0	0.0
Risulta				718.25		719.27		685.81			
In percentuale				99.56		99.70		95.06			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.650 sec.

CDC	Tipo	Sigla Id	Note
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.0	-0.55	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.0	-0.55	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.0	-0.55	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.0	-0.55	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.0	-0.55	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.0	-0.55	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X %	M efficace Y %	M efficace Z %	Energia	Energia x v
	Hz	sec	g	x g	x g	x g		
				kN	kN	kN		
1	1.539	0.650	0.165	532.99	73.9	0.0	0.0	0.0
2	4.088	0.245	0.353	0.15	2.04e-02	8.81e-05	1.22e-05	0.0
3	4.808	0.208	0.265	149.21	20.7	4.64e-04	6.44e-05	0.0
4	5.178	0.193	0.249	9.33e-05	1.29e-05	610.98	84.7	0.94
5	6.730	0.149	0.219	7.35	1.0	0.0	0.0	0.0
6	10.445	0.096	0.221	15.64	2.2	3.46e-06	0.0	1.74e-06
7	12.225	0.082	0.195	3.24e-06	0.0	89.04	12.3	17.22
8	16.746	0.060	0.145	1.56e-05	2.16e-06	0.65	8.96e-02	0.22
9	19.053	0.052	0.136	1.93	0.3	1.56e-03	2.16e-04	3.19e-06
10	20.574	0.049	0.131	2.33e-03	3.23e-04	6.48	0.9	73.48
11	22.004	0.045	0.127	0.08	1.10e-02	0.03	4.71e-03	33.57
12	23.258	0.043	0.124	0.02	2.32e-03	0.14	1.88e-02	153.49
13	24.922	0.040	0.121	2.27e-04	3.15e-05	0.66	9.11e-02	2.94
14	31.628	0.032	0.119	0.11	1.56e-02	0.15	2.03e-02	130.72
15	33.522	0.030	0.118	9.46	1.3	1.65e-03	2.29e-04	1.67
16	51.991	0.019	0.116	0.01	1.76e-03	0.06	7.92e-03	96.20
17	79.369	0.013	0.116	2.70e-03	3.74e-04	0.98	0.1	175.05
18	81.389	0.012	0.116	5.74e-04	7.95e-05	10.32	1.4	11.85
Risulta				716.95		719.49		697.33
In percentuale				99.38		99.73		96.66

CDC	Tipo	Sigla Id	Note
15	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.688 sec.
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.0	0.55	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.0	0.55	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.0	0.55	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.0	0.55	3.00	1.38	0.692	0.0	0.087

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
5.83	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.0	0.55	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.0	0.55	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.0	0.55	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.455	0.688	0.141	531.98	73.7	0.0	0.0	0.0	0.0	0.0	0.0
2	4.024	0.248	0.358	22.20	3.1	2.69e-05	3.72e-06	0.0	0.0	0.0	0.0
3	4.682	0.214	0.273	129.29	17.9	5.85e-04	8.11e-05	0.0	0.0	0.0	0.0
4	5.178	0.193	0.249	8.16e-05	1.13e-05	610.98	84.7	0.94	0.1	0.0	0.0
5	6.290	0.159	0.226	5.00	0.7	6.60e-06	0.0	0.0	0.0	0.0	0.0
6	11.100	0.090	0.210	16.56	2.3	2.18e-05	3.02e-06	7.35e-06	1.02e-06	0.0	0.0
7	12.226	0.082	0.195	9.70e-06	1.34e-06	89.07	12.3	17.22	2.4	0.0	0.0
8	16.798	0.060	0.145	8.30e-06	1.15e-06	0.64	8.84e-02	0.23	3.19e-02	0.0	0.0
9	19.401	0.052	0.135	4.95	0.7	3.92e-05	5.43e-06	2.69e-03	3.73e-04	0.0	0.0
10	20.622	0.048	0.131	6.39e-04	8.85e-05	6.51	0.9	81.73	11.3	0.0	0.0
11	23.086	0.043	0.125	6.13e-04	8.49e-05	0.15	2.09e-02	173.98	24.1	0.0	0.0
12	24.583	0.041	0.121	0.11	1.48e-02	0.48	6.68e-02	7.39	1.0	0.0	0.0
13	26.906	0.037	0.120	0.57	7.84e-02	0.14	1.98e-02	0.25	3.51e-02	0.0	0.0
14	31.600	0.032	0.119	0.12	1.67e-02	0.14	1.94e-02	130.09	18.0	0.0	0.0
15	36.343	0.028	0.118	6.26	0.9	6.97e-04	9.66e-05	4.05	0.6	0.0	0.0
16	53.185	0.019	0.116	0.16	2.24e-02	0.08	1.18e-02	104.91	14.5	0.0	0.0
17	80.082	0.012	0.116	0.02	2.84e-03	5.06	0.7	107.84	14.9	0.0	0.0
18	82.602	0.012	0.116	0.04	5.19e-03	6.25	0.9	69.85	9.7	0.0	0.0
Risulta				717.26		719.52		698.48			
In percentuale				99.42		99.73		96.81			

CDC	Tipo	Sigla Id	Note
16	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.192 sec.
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.30	0.0	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.30	0.0	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.30	0.0	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.30	0.0	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.30	0.0	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.30	0.0	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.30	0.0	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X	%	M efficace Y	%	M efficace Z	%	Energia	Energia x v
	Hz	sec	g	x g		x g		x g			
				kN		kN		kN			
1	1.496	0.668	0.152	531.65	73.7	0.16	2.25e-02	1.50e-06	0.0	0.0	0.0
2	4.051	0.247	0.356	3.89	0.5	11.57	1.6	5.25e-03	7.28e-04	0.0	0.0
3	4.685	0.213	0.273	142.88	19.8	25.38	3.5	0.03	4.11e-03	0.0	0.0
4	5.218	0.192	0.248	4.03	0.6	573.67	79.5	0.90	0.1	0.0	0.0
5	6.508	0.154	0.223	5.99	0.8	0.27	3.81e-02	2.15e-03	2.99e-04	0.0	0.0
6	10.648	0.094	0.217	16.27	2.3	4.62	0.6	0.40	5.51e-02	0.0	0.0
7	12.303	0.081	0.194	0.45	6.20e-02	84.31	11.7	16.98	2.4	0.0	0.0
8	15.298	0.065	0.158	0.36	4.93e-02	0.28	3.92e-02	0.04	6.02e-03	0.0	0.0
9	17.054	0.059	0.144	0.27	3.80e-02	0.29	4.03e-02	0.09	1.31e-02	0.0	0.0
10	19.648	0.051	0.134	0.28	3.88e-02	2.66	0.4	11.89	1.6	0.0	0.0
11	21.247	0.047	0.130	0.22	3.06e-02	3.93	0.5	110.96	15.4	0.0	0.0
12	23.266	0.043	0.124	1.84	0.3	0.43	6.01e-02	89.94	12.5	0.0	0.0
13	23.708	0.042	0.123	3.45	0.5	0.27	3.69e-02	29.70	4.1	0.0	0.0
14	25.785	0.039	0.120	1.38e-03	1.91e-04	0.10	1.33e-02	41.59	5.8	0.0	0.0
15	33.566	0.030	0.118	3.16e-03	4.38e-04	0.17	2.36e-02	132.58	18.4	0.0	0.0
16	45.472	0.022	0.117	6.67	0.9	1.38e-03	1.92e-04	0.04	5.17e-03	0.0	0.0
17	68.968	0.014	0.116	3.47e-04	4.81e-05	0.03	3.79e-03	249.74	34.6	0.0	0.0
18	79.698	0.013	0.116	3.70e-04	5.13e-05	11.12	1.5	0.92	0.1	0.0	0.0
Risulta				718.26		719.27		685.83			
In percentuale				99.56		99.70		95.06			

CDC	Tipo	Sigla Id	Note
17	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.192 sec.
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	-0.30	0.0	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	-0.30	0.0	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	-0.30	0.0	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	-0.30	0.0	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	-0.30	0.0	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	-0.30	0.0	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X	%	M efficace Y	%	M efficace Z	%	Energia	Energia x v
	Hz	sec	g	x g		x g		x g			
				kN		kN		kN			
1	1.496	0.668	0.152	531.66	73.7	0.16	2.23e-02	1.68e-06	0.0	0.0	0.0
2	4.051	0.247	0.356	3.90	0.5	11.47	1.6	5.26e-03	7.28e-04	0.0	0.0
3	4.685	0.213	0.273	142.92	19.8	25.07	3.5	0.03	4.08e-03	0.0	0.0
4	5.218	0.192	0.248	3.98	0.6	574.08	79.6	0.90	0.1	0.0	0.0
5	6.508	0.154	0.223	5.99	0.8	0.28	3.86e-02	2.19e-03	3.04e-04	0.0	0.0
6	10.648	0.094	0.217	16.28	2.3	4.60	0.6	0.39	5.46e-02	0.0	0.0
7	12.303	0.081	0.194	0.44	6.12e-02	84.34	11.7	16.99	2.4	0.0	0.0
8	15.302	0.065	0.158	0.36	4.97e-02	0.28	3.86e-02	0.05	6.24e-03	0.0	0.0
9	17.078	0.059	0.144	0.28	3.88e-02	0.30	4.13e-02	0.10	1.32e-02	0.0	0.0
10	19.690	0.051	0.134	0.25	3.40e-02	2.77	0.4	12.92	1.8	0.0	0.0
11	21.268	0.047	0.129	0.20	2.71e-02	3.82	0.5	110.94	15.4	0.0	0.0
12	23.260	0.043	0.124	2.15	0.3	0.42	5.78e-02	80.51	11.2	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
13	23.650	0.042	0.123	3.17	0.4	0.29	3.97e-02	38.08	5.3	0.0	0.0
14	25.766	0.039	0.120	1.56e-03	2.16e-04	0.10	1.33e-02	41.45	5.7	0.0	0.0
15	33.556	0.030	0.118	7.18e-04	9.95e-05	0.17	2.35e-02	132.74	18.4	0.0	0.0
16	45.319	0.022	0.117	6.69	0.9	8.43e-04	1.17e-04	5.39e-03	7.47e-04	0.0	0.0
17	68.956	0.015	0.116	5.02e-05	6.96e-06	0.03	3.84e-03	249.77	34.6	0.0	0.0
18	79.722	0.013	0.116	2.31e-04	3.20e-05	11.13	0.93	0.93	0.1	0.0	0.0
Risulta				718.25		719.27		685.81			
In percentuale				99.56		99.70		95.06			

CDC	Tipo	Sigla Id	Note
18	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.650 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.0	-0.55	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.0	-0.55	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.0	-0.55	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.0	-0.55	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.0	-0.55	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.0	-0.55	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.0	-0.55	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.0	-0.55	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.539	0.650	0.278	532.99	73.9	0.0	0.0	0.0	0.0	0.0	0.0
2	4.088	0.245	0.394	0.15	2.04e-02	8.81e-05	1.22e-05	0.0	0.0	0.0	0.0
3	4.808	0.208	0.314	149.21	20.7	4.64e-04	6.44e-05	0.0	0.0	0.0	0.0
4	5.178	0.193	0.312	9.33e-05	1.29e-05	610.98	84.7	0.94	0.1	0.0	0.0
5	6.730	0.149	0.272	7.35	1.0	0.0	0.0	0.0	0.0	0.0	0.0
6	10.445	0.096	0.226	15.64	2.2	3.46e-06	0.0	1.74e-06	0.0	0.0	0.0
7	12.225	0.082	0.203	3.24e-06	0.0	89.04	12.3	17.22	2.4	0.0	0.0
8	16.746	0.060	0.169	1.56e-05	2.16e-06	0.65	8.96e-02	0.22	3.03e-02	0.0	0.0
9	19.053	0.052	0.163	1.93	0.3	1.56e-03	2.16e-04	3.19e-06	0.0	0.0	0.0
10	20.574	0.049	0.160	2.33e-03	3.23e-04	6.48	0.9	73.48	10.2	0.0	0.0
11	22.004	0.045	0.158	0.08	1.10e-02	0.03	4.71e-03	33.57	4.7	0.0	0.0
12	23.258	0.043	0.156	0.02	2.32e-03	0.14	1.88e-02	153.49	21.3	0.0	0.0
13	24.922	0.040	0.154	2.27e-04	3.15e-05	0.66	9.11e-02	2.94	0.4	0.0	0.0
14	31.628	0.032	0.153	0.11	1.56e-02	0.15	2.03e-02	130.72	18.1	0.0	0.0
15	33.522	0.030	0.153	9.46	1.3	1.65e-03	2.29e-04	1.67	0.2	0.0	0.0
16	51.991	0.019	0.152	0.01	1.76e-03	0.06	7.92e-03	96.20	13.3	0.0	0.0
17	79.369	0.013	0.152	2.70e-03	3.74e-04	0.98	0.1	175.05	24.3	0.0	0.0
18	81.389	0.012	0.152	5.74e-04	7.95e-05	10.32	1.4	11.85	1.6	0.0	0.0
Risulta				716.95		719.49		697.33			
In percentuale				99.38		99.73		96.66			

CDC	Tipo	Sigla Id	Note
19	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.688 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.0	0.55	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.0	0.55	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.0	0.55	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.0	0.55	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.0	0.55	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.0	0.55	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.0	0.55	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.0	0.55	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.0	0.55	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.455	0.688	0.259	531.98	73.7	0.0	0.0	0.0	0.0	0.0	0.0
2	4.024	0.248	0.409	22.20	3.1	2.69e-05	3.72e-06	0.0	0.0	0.0	0.0
3	4.682	0.214	0.315	129.29	17.9	5.85e-04	8.11e-05	0.0	0.0	0.0	0.0
4	5.178	0.193	0.312	8.16e-05	1.13e-05	610.98	84.7	0.94	0.1	0.0	0.0
5	6.290	0.159	0.285	5.00	0.7	6.60e-06	0.0	0.0	0.0	0.0	0.0
6	11.100	0.090	0.217	16.56	2.3	2.18e-05	3.02e-06	7.35e-06	1.02e-06	0.0	0.0
7	12.226	0.082	0.203	9.70e-06	1.34e-06	89.07	12.3	17.22	2.4	0.0	0.0
8	16.798	0.060	0.169	8.30e-06	1.15e-06	0.64	8.84e-02	0.23	3.19e-02	0.0	0.0
9	19.401	0.052	0.163	4.95	0.7	3.92e-05	5.43e-06	2.69e-03	3.73e-04	0.0	0.0
10	20.622	0.048	0.160	6.39e-04	8.85e-05	6.51	0.9	81.73	11.3	0.0	0.0
11	23.086	0.043	0.157	6.13e-04	8.49e-05	0.15	2.09e-02	173.98	24.1	0.0	0.0
12	24.583	0.041	0.155	0.11	1.48e-02	0.48	6.68e-02	7.39	1.0	0.0	0.0
13	26.906	0.037	0.154	0.57	7.84e-02	0.14	1.98e-02	0.25	3.51e-02	0.0	0.0
14	31.600	0.032	0.153	0.12	1.67e-02	0.14	1.94e-02	130.09	18.0	0.0	0.0
15	36.343	0.028	0.153	6.26	0.9	6.97e-04	9.66e-05	4.05	0.6	0.0	0.0
16	53.185	0.019	0.152	0.16	2.24e-02	0.08	1.18e-02	104.91	14.5	0.0	0.0
17	80.082	0.012	0.152	0.02	2.84e-03	5.06	0.7	107.84	14.9	0.0	0.0
18	82.602	0.012	0.152	0.04	5.19e-03	6.25	0.9	69.85	9.7	0.0	0.0
Risulta				717.26		719.52		698.48			
In percentuale				99.42		99.73		96.81			

CDC	Tipo	Sigla Id	Note
20	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.192 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	0.30	0.0	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	0.30	0.0	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	0.30	0.0	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	0.30	0.0	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.08	9.33	3.00	3.82	0.30	0.0	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	0.30	0.0	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	0.30	0.0	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	0.30	0.0	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	0.30	0.0	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X %	M efficace Y %	M efficace Z %	Energia	Energia x v			
	Hz	sec	g	x g	x g	x g					
			kN								
1	1.496	0.668	0.267	531.65	73.7	0.16	2.25e-02	1.50e-06	0.0	0.0	0.0
2	4.051	0.247	0.403	3.89	0.5	11.57	1.6	5.25e-03	7.28e-04	0.0	0.0
3	4.685	0.213	0.315	142.88	19.8	25.38	3.5	0.03	4.11e-03	0.0	0.0
4	5.218	0.192	0.312	4.03	0.6	573.67	79.5	0.90	0.1	0.0	0.0
5	6.508	0.154	0.278	5.99	0.8	0.27	3.81e-02	2.15e-03	2.99e-04	0.0	0.0
6	10.648	0.094	0.223	16.27	2.3	4.62	0.6	0.40	5.51e-02	0.0	0.0
7	12.303	0.081	0.203	0.45	6.20e-02	84.31	11.7	16.98	2.4	0.0	0.0
8	15.298	0.065	0.177	0.36	4.93e-02	0.28	3.92e-02	0.04	6.02e-03	0.0	0.0
9	17.054	0.059	0.168	0.27	3.80e-02	0.29	4.03e-02	0.09	1.31e-02	0.0	0.0
10	19.648	0.051	0.162	0.28	3.88e-02	2.66	0.4	11.89	1.6	0.0	0.0
11	21.247	0.047	0.159	0.22	3.06e-02	3.93	0.5	110.96	15.4	0.0	0.0
12	23.266	0.043	0.156	1.84	0.3	0.43	6.01e-02	89.94	12.5	0.0	0.0
13	23.708	0.042	0.156	3.45	0.5	0.27	3.69e-02	29.70	4.1	0.0	0.0
14	25.785	0.039	0.154	1.38e-03	1.91e-04	0.10	1.33e-02	41.59	5.8	0.0	0.0
15	33.566	0.030	0.153	3.16e-03	4.38e-04	0.17	2.36e-02	132.58	18.4	0.0	0.0
16	45.472	0.022	0.152	6.67	0.9	1.38e-03	1.92e-04	0.04	5.17e-03	0.0	0.0
17	68.968	0.014	0.152	3.47e-04	4.81e-05	0.03	3.79e-03	249.74	34.6	0.0	0.0
18	79.698	0.013	0.152	3.70e-04	5.13e-05	11.12	1.5	0.92	0.1	0.0	0.0
Risulta				718.26		719.27		685.83			
In percentuale				99.56		99.70		95.06			

CDC	Tipo	Sigla Id	Note
21	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.192 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 18
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.50	102.44	3.00	5.55	-0.30	0.0	3.00	1.38	0.692	0.0	0.148
9.92	9.33	3.00	3.83	-0.30	0.0	3.00	1.38	0.692	0.0	0.087
9.33	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.75	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
8.17	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.58	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
7.00	202.44	3.00	6.85	-0.30	0.0	3.00	1.38	0.692	0.0	0.194
6.42	9.33	3.00	3.83	-0.30	0.0	3.00	1.38	0.692	0.0	0.087
5.83	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
5.25	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
4.67	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
4.08	9.33	3.00	3.82	-0.30	0.0	3.00	1.38	0.692	0.0	0.086
3.50	273.87	3.00	5.42	-0.30	0.0	3.00	1.48	0.695	0.0	0.181
2.92	9.87	3.00	4.77	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
2.33	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
1.75	9.87	3.00	4.76	-0.30	0.0	3.00	1.48	0.695	0.0	0.151
1.17	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
0.58	9.87	3.00	4.76	-0.30	0.0	3.00	1.46	0.695	0.0	0.153
Risulta	721.46									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	1.496	0.668	0.267	531.66	73.7	0.16	2.23e-02	1.68e-06	0.0	0.0	0.0
2	4.051	0.247	0.403	3.90	0.5	11.47	1.6	5.26e-03	7.28e-04	0.0	0.0
3	4.685	0.213	0.315	142.92	19.8	25.07	3.5	0.03	4.08e-03	0.0	0.0
4	5.218	0.192	0.312	3.98	0.6	574.08	79.6	0.90	0.1	0.0	0.0
5	6.508	0.154	0.278	5.99	0.8	0.28	3.86e-02	2.19e-03	3.04e-04	0.0	0.0
6	10.648	0.094	0.223	16.28	2.3	4.60	0.6	0.39	5.46e-02	0.0	0.0
7	12.303	0.081	0.203	0.44	6.12e-02	84.34	11.7	16.99	2.4	0.0	0.0
8	15.302	0.065	0.177	0.36	4.97e-02	0.28	3.86e-02	0.05	6.24e-03	0.0	0.0
9	17.078	0.059	0.168	0.28	3.88e-02	0.30	4.13e-02	0.10	1.32e-02	0.0	0.0
10	19.690	0.051	0.162	0.25	3.40e-02	2.77	0.4	12.92	1.8	0.0	0.0
11	21.268	0.047	0.159	0.20	2.71e-02	3.82	0.5	110.94	15.4	0.0	0.0
12	23.260	0.043	0.156	2.15	0.3	0.42	5.78e-02	80.51	11.2	0.0	0.0
13	23.650	0.042	0.156	3.17	0.4	0.29	3.97e-02	38.08	5.3	0.0	0.0
14	25.766	0.039	0.154	1.56e-03	2.16e-04	0.10	1.33e-02	41.45	5.7	0.0	0.0
15	33.556	0.030	0.153	7.18e-04	9.95e-05	0.17	2.35e-02	132.74	18.4	0.0	0.0
16	45.319	0.022	0.152	6.69	0.9	8.43e-04	1.17e-04	5.39e-03	7.47e-04	0.0	0.0
17	68.956	0.015	0.152	5.02e-05	6.96e-06	0.03	3.84e-03	249.77	34.6	0.0	0.0
18	79.722	0.013	0.152	2.31e-04	3.20e-05	11.13	1.5	0.93	0.1	0.0	0.0
Risulta				718.25		719.27		685.81			
In percentuale				99.56		99.70		95.06			

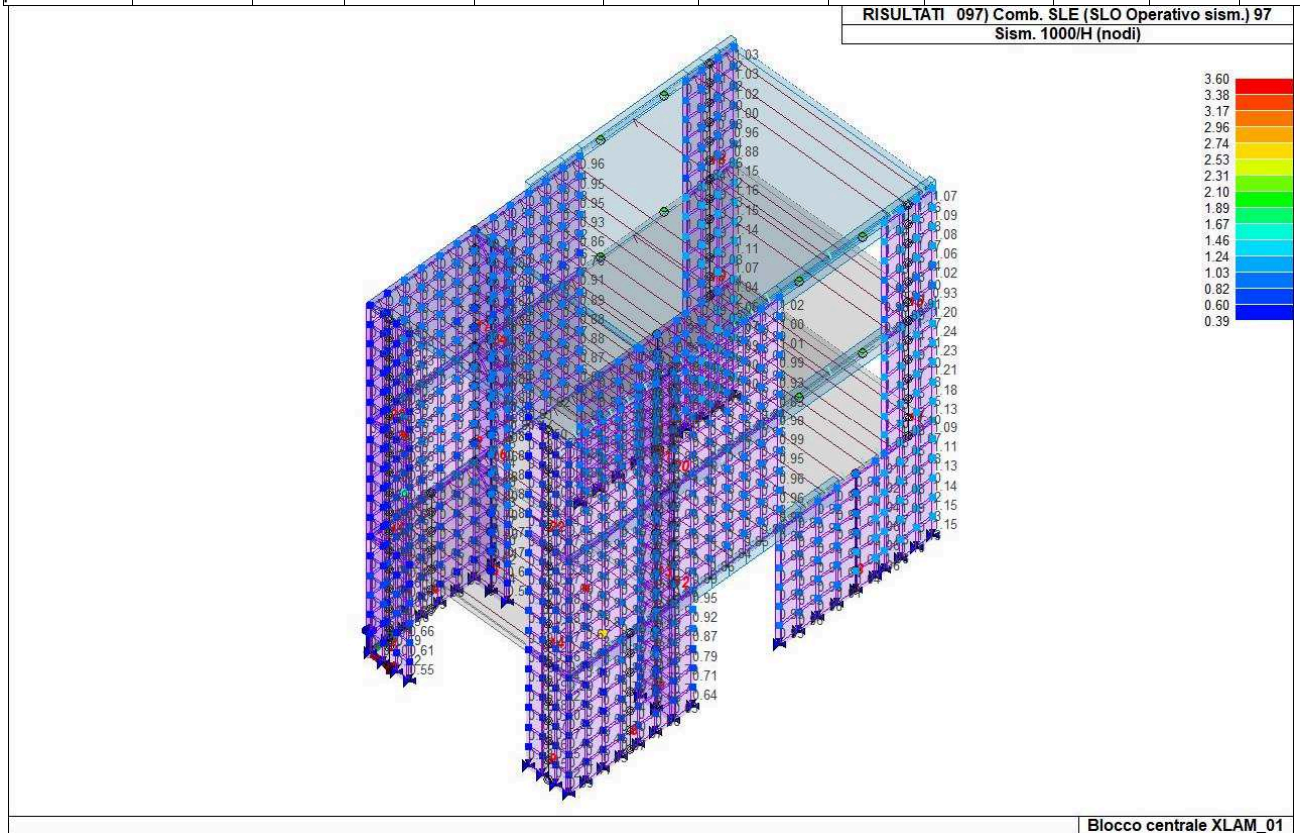


Figura 22: 1000/H

31 RISULTATI NODALI

31.1 LEGENDA RISULTATI NODALI

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

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

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

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

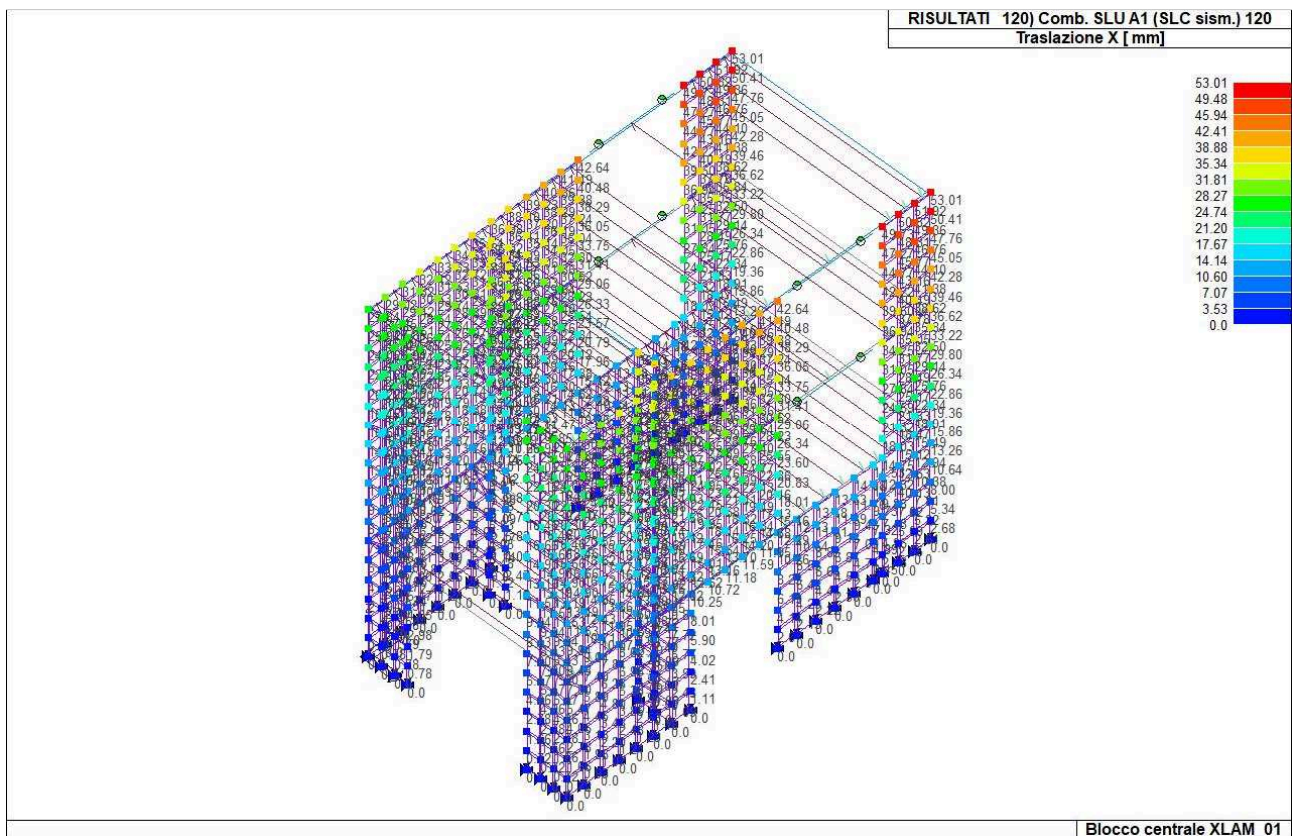


Figura 23: Spostamenti direzione X

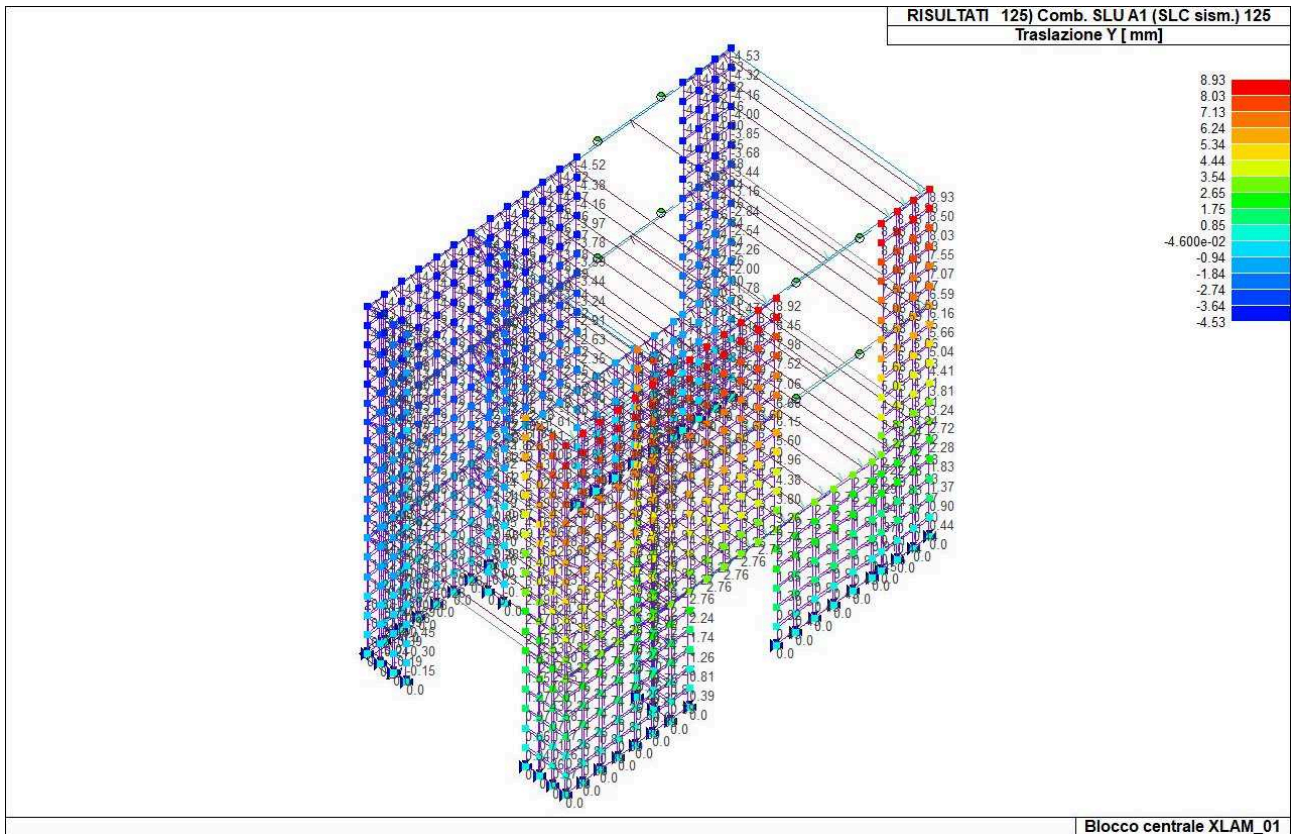


Figura 24: Spostamenti direzione Y

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		mm	mm	mm			
1	1	0.0	0.0	0.0	2.31e-05	0.0	1.59e-06
1	15	0.0	0.0	0.0	-4.58e-04	0.0	0.0
1	47	0.0	0.0	0.0	-4.07e-04	0.0	0.0
1	79	0.0	0.0	0.0	-3.53e-04	0.0	1.05e-06
1	111	0.0	0.0	0.0	-5.67e-04	0.0	0.0
1	143	0.0	0.0	0.0	1.69e-05	0.0	1.16e-06
1	150	0.0	0.0	0.0	1.69e-05	0.0	1.16e-06
1	155	0.0	0.0	0.0	1.69e-05	0.0	1.16e-06
2	1	0.0	0.0	0.0	-6.25e-06	0.0	1.59e-06
2	15	0.0	0.0	0.0	-4.26e-04	0.0	0.0
2	47	0.0	0.0	0.0	-3.89e-04	0.0	0.0
2	79	0.0	0.0	0.0	-3.42e-04	0.0	0.0
2	111	0.0	0.0	0.0	-5.18e-04	0.0	0.0
2	143	0.0	0.0	0.0	-4.55e-06	0.0	1.16e-06
2	150	0.0	0.0	0.0	-4.55e-06	0.0	1.16e-06
2	155	0.0	0.0	0.0	-4.55e-06	0.0	1.16e-06
3	1	0.0	0.0	0.0	-6.38e-06	0.0	-1.60e-06
3	15	0.0	0.0	0.0	1.58e-04	0.0	-4.43e-06
3	47	0.0	0.0	0.0	1.09e-04	0.0	-4.17e-06
3	79	0.0	0.0	0.0	9.07e-05	0.0	-3.87e-06
3	111	0.0	0.0	0.0	2.08e-04	0.0	-5.03e-06
3	143	0.0	0.0	0.0	-4.64e-06	0.0	-1.17e-06
3	150	0.0	0.0	0.0	-4.64e-06	0.0	-1.17e-06
3	155	0.0	0.0	0.0	-4.64e-06	0.0	-1.17e-06
4	1	0.0	0.0	0.0	2.31e-05	0.0	-1.60e-06
4	15	0.0	0.0	0.0	2.94e-04	0.0	-4.17e-06
4	47	0.0	0.0	0.0	2.34e-04	0.0	-3.95e-06
4	79	0.0	0.0	0.0	2.04e-04	0.0	-3.68e-06
4	111	0.0	0.0	0.0	3.68e-04	0.0	-4.71e-06
4	143	0.0	0.0	0.0	1.69e-05	0.0	-1.17e-06
4	150	0.0	0.0	0.0	1.69e-05	0.0	-1.17e-06
4	155	0.0	0.0	0.0	1.69e-05	0.0	-1.17e-06
5	1	0.0	0.0	0.0	0.0	-2.24e-05	0.0
5	15	0.0	0.0	0.0	0.0	1.51e-03	4.19e-06
5	47	0.0	0.0	0.0	0.0	1.30e-03	3.76e-06
5	79	0.0	0.0	0.0	0.0	1.13e-03	3.37e-06
5	111	0.0	0.0	0.0	0.0	1.88e-03	5.01e-06

5	143	0.0	0.0	0.0	0.0	-1.63e-05	0.0
5	150	0.0	0.0	0.0	0.0	-1.63e-05	0.0
5	155	0.0	0.0	0.0	0.0	-1.63e-05	0.0
6	1	0.0	0.0	0.0	0.0	2.24e-05	0.0
6	15	0.0	0.0	0.0	0.0	1.56e-03	2.86e-06
6	47	0.0	0.0	0.0	0.0	1.35e-03	2.43e-06
6	79	0.0	0.0	0.0	0.0	1.17e-03	2.04e-06
6	111	0.0	0.0	0.0	0.0	1.93e-03	3.69e-06
6	143	0.0	0.0	0.0	0.0	1.63e-05	0.0
6	150	0.0	0.0	0.0	0.0	1.63e-05	0.0
6	155	0.0	0.0	0.0	0.0	1.63e-05	0.0
7	1	0.0	0.0	0.0	-3.99e-06	0.0	2.06e-06
7	15	0.0	0.0	0.0	-4.46e-04	0.0	1.00e-06
7	47	0.0	0.0	0.0	-4.05e-04	0.0	1.33e-06
7	79	0.0	0.0	0.0	-3.56e-04	0.0	1.47e-06
7	111	0.0	0.0	0.0	-5.44e-04	0.0	0.0
7	143	0.0	0.0	0.0	-2.90e-06	0.0	1.50e-06
7	150	0.0	0.0	0.0	-2.90e-06	0.0	1.50e-06
7	155	0.0	0.0	0.0	-2.90e-06	0.0	1.50e-06
8	1	0.0	0.0	0.0	-4.21e-06	0.0	-2.07e-06
8	15	0.0	0.0	0.0	1.84e-04	0.0	-4.96e-06
8	47	0.0	0.0	0.0	1.32e-04	0.0	-4.71e-06
8	79	0.0	0.0	0.0	1.11e-04	0.0	-4.41e-06
8	111	0.0	0.0	0.0	2.40e-04	0.0	-5.56e-06
8	143	0.0	0.0	0.0	-3.06e-06	0.0	-1.51e-06
8	150	0.0	0.0	0.0	-3.06e-06	0.0	-1.51e-06
8	155	0.0	0.0	0.0	-3.06e-06	0.0	-1.51e-06
9	1	0.0	0.0	0.0	0.0	2.72e-05	0.0
9	15	0.0	0.0	0.0	0.0	1.57e-03	0.0
9	47	0.0	0.0	0.0	0.0	1.35e-03	0.0
9	79	0.0	0.0	0.0	0.0	1.18e-03	0.0
9	111	0.0	0.0	0.0	0.0	1.94e-03	1.18e-06
9	143	0.0	0.0	0.0	0.0	1.98e-05	0.0
9	150	0.0	0.0	0.0	0.0	1.98e-05	0.0
9	155	0.0	0.0	0.0	0.0	1.98e-05	0.0
10	1	0.0	0.0	0.0	0.0	-2.72e-05	0.0
10	15	0.0	0.0	0.0	0.0	1.51e-03	2.07e-06
10	47	0.0	0.0	0.0	0.0	1.29e-03	1.96e-06
10	79	0.0	0.0	0.0	0.0	1.12e-03	1.80e-06
10	111	0.0	0.0	0.0	0.0	1.88e-03	2.38e-06
10	143	0.0	0.0	0.0	0.0	-1.98e-05	0.0
10	150	0.0	0.0	0.0	0.0	-1.98e-05	0.0
10	155	0.0	0.0	0.0	0.0	-1.98e-05	0.0
11	1	0.0	0.0	0.0	0.0	0.0	0.0
11	15	0.0	0.0	0.0	0.0	2.75e-03	-3.89e-06
11	47	0.0	0.0	0.0	0.0	2.35e-03	-3.24e-06
11	79	0.0	0.0	0.0	0.0	2.04e-03	-2.81e-06
11	111	0.0	0.0	0.0	0.0	3.43e-03	-4.87e-06
11	143	0.0	0.0	0.0	0.0	0.0	0.0
11	150	0.0	0.0	0.0	0.0	0.0	0.0
11	155	0.0	0.0	0.0	0.0	0.0	0.0
12	1	0.0	0.0	0.0	0.0	0.0	0.0
12	15	0.0	0.0	0.0	0.0	2.75e-03	-3.89e-06
12	47	0.0	0.0	0.0	0.0	2.35e-03	-3.24e-06
12	79	0.0	0.0	0.0	0.0	2.04e-03	-2.81e-06
12	111	0.0	0.0	0.0	0.0	3.43e-03	-4.87e-06
12	143	0.0	0.0	0.0	0.0	0.0	0.0
12	150	0.0	0.0	0.0	0.0	0.0	0.0
12	155	0.0	0.0	0.0	0.0	0.0	0.0
13	1	0.0	0.0	0.0	0.0	0.0	0.0
13	15	0.0	0.0	0.0	0.0	3.39e-03	-3.86e-06
13	47	0.0	0.0	0.0	0.0	2.88e-03	-3.22e-06
13	79	0.0	0.0	0.0	0.0	2.51e-03	-2.79e-06
13	111	0.0	0.0	0.0	0.0	4.23e-03	-4.83e-06
13	143	0.0	0.0	0.0	0.0	0.0	0.0
13	150	0.0	0.0	0.0	0.0	0.0	0.0
13	155	0.0	0.0	0.0	0.0	0.0	0.0
14	1	0.0	0.0	0.0	0.0	0.0	0.0
14	15	0.0	0.0	0.0	0.0	3.39e-03	-3.86e-06
14	47	0.0	0.0	0.0	0.0	2.88e-03	-3.22e-06
14	79	0.0	0.0	0.0	0.0	2.51e-03	-2.79e-06
14	111	0.0	0.0	0.0	0.0	4.23e-03	-4.83e-06
14	143	0.0	0.0	0.0	0.0	0.0	0.0
14	150	0.0	0.0	0.0	0.0	0.0	0.0
14	155	0.0	0.0	0.0	0.0	0.0	0.0

15	4	5.87e-05	0.03	-0.09	0.0	0.0	0.0
15	16	1.67	0.19	-0.03	0.0	2.87e-03	-9.02e-05
15	23	1.57	0.37	-0.02	0.0	2.69e-03	-9.47e-05
15	30	-1.63	-0.33	-0.08	0.0	-2.80e-03	1.06e-04
15	48	1.44	0.15	-0.03	0.0	2.47e-03	-7.82e-05
15	62	-1.34	-0.28	-0.08	0.0	-2.30e-03	8.87e-05
15	67	0.27	0.32	-0.03	0.0	4.62e-04	-4.50e-06
15	80	1.26	0.13	-0.03	0.0	2.15e-03	-6.82e-05
15	94	-1.16	-0.24	-0.07	0.0	-1.99e-03	7.72e-05
15	99	0.23	0.29	-0.03	0.0	3.95e-04	-3.43e-06
15	112	2.08	0.24	-0.03	0.0	3.56e-03	-1.12e-04
15	119	1.99	0.45	-0.01	0.0	3.42e-03	-1.21e-04
15	126	-2.07	-0.41	-0.08	0.0	-3.55e-03	1.33e-04
15	146	4.11e-05	0.02	-0.06	0.0	0.0	0.0
15	151	3.40e-05	0.02	-0.05	0.0	0.0	0.0
15	156	3.22e-05	0.02	-0.05	0.0	0.0	0.0
16	4	5.90e-05	0.03	-0.05	0.0	0.0	0.0
16	16	1.72	0.19	-0.04	0.0	2.95e-03	-9.02e-05
16	23	1.62	0.37	-0.04	0.0	2.78e-03	-9.46e-05
16	48	1.49	0.15	-0.03	0.0	2.54e-03	-7.82e-05
16	67	0.28	0.32	-0.04	0.0	4.74e-04	-4.49e-06
16	80	1.29	0.13	-0.03	0.0	2.21e-03	-6.81e-05
16	99	0.24	0.29	-0.04	0.0	4.05e-04	-3.43e-06
16	119	2.06	0.45	-0.05	0.0	3.53e-03	-1.20e-04
16	120	2.15	0.29	-0.04	0.0	3.67e-03	-1.33e-04
16	146	4.13e-05	0.02	-0.03	0.0	0.0	0.0
16	151	3.41e-05	0.02	-0.03	0.0	0.0	0.0
16	156	3.24e-05	0.02	-0.03	0.0	0.0	0.0
17	1	0.0	0.0	0.0	0.0	0.0	0.0
17	15	0.0	0.0	0.0	0.0	2.83e-03	-3.95e-06
17	47	0.0	0.0	0.0	0.0	2.41e-03	-3.30e-06
17	79	0.0	0.0	0.0	0.0	2.10e-03	-2.86e-06
17	111	0.0	0.0	0.0	0.0	3.53e-03	-4.95e-06
17	143	0.0	0.0	0.0	0.0	0.0	0.0
17	150	0.0	0.0	0.0	0.0	0.0	0.0
17	155	0.0	0.0	0.0	0.0	0.0	0.0
18	4	1.17e-04	0.05	-0.19	0.0	0.0	0.0
18	16	3.34	0.39	-0.07	0.0	2.86e-03	-1.83e-04
18	23	3.13	0.74	-0.06	0.0	2.68e-03	-1.92e-04
18	26	-3.13	-0.68	-0.15	0.0	-2.68e-03	1.92e-04
18	48	2.88	0.31	-0.07	0.0	2.46e-03	-1.58e-04
18	58	-2.53	-0.59	-0.15	0.0	-2.16e-03	1.55e-04
18	67	0.54	0.65	-0.07	0.0	4.64e-04	-9.27e-06
18	80	2.51	0.27	-0.08	0.0	2.14e-03	-1.38e-04
18	90	-2.19	-0.51	-0.15	0.0	-1.88e-03	1.34e-04
18	99	0.46	0.58	-0.07	0.0	3.96e-04	-7.10e-06
18	112	4.15	0.48	-0.07	0.0	3.55e-03	-2.26e-04
18	119	3.98	0.92	-0.05	0.0	3.41e-03	-2.44e-04
18	122	-3.98	-0.86	-0.16	0.0	-3.41e-03	2.44e-04
18	146	8.16e-05	0.04	-0.13	0.0	0.0	0.0
18	151	6.75e-05	0.03	-0.11	0.0	0.0	0.0
18	156	6.40e-05	0.03	-0.10	0.0	0.0	0.0
19	4	1.18e-04	0.05	-0.10	0.0	0.0	0.0
19	16	3.44	0.39	-0.07	0.0	2.94e-03	-1.83e-04
19	23	3.24	0.74	-0.09	0.0	2.77e-03	-1.92e-04
19	48	2.97	0.31	-0.07	0.0	2.53e-03	-1.58e-04
19	67	0.55	0.65	-0.08	0.0	4.76e-04	-9.27e-06
19	80	2.58	0.27	-0.06	0.0	2.20e-03	-1.38e-04
19	99	0.47	0.58	-0.08	0.0	4.07e-04	-7.10e-06
19	119	4.12	0.92	-0.09	0.0	3.52e-03	-2.44e-04
19	120	4.29	0.59	-0.08	0.0	3.66e-03	-2.69e-04
19	146	8.23e-05	0.04	-0.07	0.0	0.0	0.0
19	151	6.81e-05	0.03	-0.06	0.0	0.0	0.0
19	156	6.46e-05	0.03	-0.05	0.0	0.0	0.0
20	4	1.73e-04	0.07	-0.30	0.0	0.0	0.0
20	16	5.00	0.58	-0.13	0.0	2.84e-03	-2.74e-04
20	23	4.69	1.12	-0.10	0.0	2.67e-03	-2.87e-04
20	26	-4.69	-1.04	-0.23	0.0	-2.67e-03	2.87e-04
20	48	4.31	0.46	-0.13	0.0	2.45e-03	-2.37e-04
20	58	-3.79	-0.89	-0.23	0.0	-2.15e-03	2.32e-04
20	67	0.81	0.97	-0.11	0.0	4.66e-04	-1.43e-05
20	80	3.75	0.40	-0.13	0.0	2.13e-03	-2.07e-04
20	90	-3.28	-0.78	-0.23	0.0	-1.87e-03	2.01e-04
20	99	0.69	0.87	-0.11	0.0	3.99e-04	-1.10e-05
20	112	6.21	0.73	-0.12	0.0	3.53e-03	-3.39e-04

20	119	5.96	1.38	-0.09	0.0	3.39e-03	-3.65e-04
20	122	-5.96	-1.31	-0.24	0.0	-3.39e-03	3.65e-04
20	146	1.21e-04	0.05	-0.21	0.0	0.0	0.0
20	151	9.98e-05	0.04	-0.17	0.0	0.0	0.0
20	156	9.47e-05	0.04	-0.16	0.0	0.0	0.0
21	4	1.75e-04	0.07	-0.14	0.0	0.0	0.0
21	16	5.15	0.58	-0.10	0.0	2.92e-03	-2.74e-04
21	23	4.85	1.12	-0.12	0.0	2.76e-03	-2.87e-04
21	48	4.44	0.46	-0.10	0.0	2.52e-03	-2.37e-04
21	67	0.83	0.97	-0.12	0.0	4.79e-04	-1.43e-05
21	80	3.87	0.40	-0.09	0.0	2.19e-03	-2.07e-04
21	99	0.71	0.87	-0.12	0.0	4.10e-04	-1.10e-05
21	119	6.18	1.38	-0.13	0.0	3.51e-03	-3.65e-04
21	120	6.41	0.90	-0.11	0.0	3.64e-03	-4.02e-04
21	146	1.23e-04	0.05	-0.10	0.0	0.0	0.0
21	151	1.02e-04	0.04	-0.08	0.0	0.0	0.0
21	156	9.64e-05	0.04	-0.08	0.0	0.0	0.0
22	4	2.24e-04	0.07	-0.45	0.0	0.0	0.0
22	16	6.65	0.77	-0.16	0.0	2.82e-03	-3.66e-04
22	23	6.24	1.49	-0.19	0.0	2.65e-03	-3.82e-04
22	25	-6.50	-0.85	-0.34	0.0	-2.76e-03	4.25e-04
22	48	5.73	0.61	-0.15	0.0	2.43e-03	-3.17e-04
22	57	-5.32	-0.63	-0.35	0.0	-2.26e-03	3.56e-04
22	67	1.08	1.30	-0.29	0.0	4.70e-04	-1.97e-05
22	80	4.99	0.53	-0.16	0.0	2.12e-03	-2.76e-04
22	89	-4.62	-0.53	-0.34	0.0	-1.96e-03	3.10e-04
22	99	0.92	1.15	-0.29	0.0	4.02e-04	-1.52e-05
22	112	8.25	0.98	-0.14	0.0	3.51e-03	-4.53e-04
22	119	7.93	1.85	-0.18	0.0	3.38e-03	-4.86e-04
22	121	-8.23	-1.12	-0.36	0.0	-3.50e-03	5.35e-04
22	146	1.57e-04	0.05	-0.31	0.0	0.0	0.0
22	151	1.30e-04	0.04	-0.26	0.0	0.0	0.0
22	156	1.23e-04	0.04	-0.25	0.0	0.0	0.0
23	4	2.32e-04	0.07	-0.20	0.0	0.0	0.0
23	16	6.85	0.77	-0.13	0.0	2.91e-03	-3.66e-04
23	23	6.46	1.49	-0.16	0.0	2.74e-03	-3.82e-04
23	48	5.90	0.61	-0.13	0.0	2.50e-03	-3.17e-04
23	67	1.11	1.29	-0.16	0.0	4.82e-04	-1.97e-05
23	80	5.14	0.53	-0.13	0.0	2.18e-03	-2.76e-04
23	99	0.95	1.15	-0.15	0.0	4.13e-04	-1.52e-05
23	119	8.22	1.85	-0.17	0.0	3.49e-03	-4.86e-04
23	120	8.53	1.20	-0.15	0.0	3.62e-03	-5.35e-04
23	146	1.62e-04	0.05	-0.14	0.0	0.0	0.0
23	151	1.34e-04	0.04	-0.11	0.0	0.0	0.0
23	156	1.28e-04	0.04	-0.11	0.0	0.0	0.0
24	4	2.66e-04	0.07	-0.68	0.0	0.0	0.0
24	16	8.29	0.96	-0.45	0.0	2.81e-03	-4.60e-04
24	23	7.78	1.86	-0.54	0.0	2.64e-03	-4.79e-04
24	48	7.14	0.75	-0.45	0.0	2.42e-03	-3.98e-04
24	55	6.28	1.61	-0.53	0.0	2.13e-03	-3.86e-04
24	67	1.36	1.61	-0.53	0.0	4.72e-04	-2.56e-05
24	80	6.22	0.65	-0.44	0.0	2.10e-03	-3.47e-04
24	87	5.44	1.41	-0.52	0.0	1.85e-03	-3.35e-04
24	99	1.16	1.43	-0.52	0.0	4.05e-04	-1.99e-05
24	112	10.29	1.21	-0.47	0.0	3.49e-03	-5.69e-04
24	119	9.89	2.31	-0.57	0.0	3.36e-03	-6.10e-04
24	146	1.86e-04	0.05	-0.47	0.0	0.0	0.0
24	151	1.54e-04	0.04	-0.39	0.0	0.0	0.0
24	156	1.46e-04	0.04	-0.37	0.0	0.0	0.0
25	4	2.89e-04	0.07	-0.27	0.0	0.0	0.0
25	16	8.55	0.96	-0.18	0.0	2.89e-03	-4.60e-04
25	23	8.06	1.86	-0.20	0.0	2.73e-03	-4.79e-04
25	48	7.36	0.75	-0.17	0.0	2.49e-03	-3.98e-04
25	55	6.50	1.60	-0.20	0.0	2.20e-03	-3.86e-04
25	67	1.39	1.61	-0.20	0.0	4.85e-04	-2.56e-05
25	80	6.41	0.65	-0.17	0.0	2.17e-03	-3.47e-04
25	87	5.64	1.41	-0.19	0.0	1.91e-03	-3.35e-04
25	99	1.19	1.43	-0.19	0.0	4.15e-04	-1.99e-05
25	119	10.25	2.31	-0.21	0.0	3.48e-03	-6.09e-04
25	120	10.64	1.49	-0.19	0.0	3.60e-03	-6.70e-04
25	146	2.02e-04	0.05	-0.19	0.0	0.0	0.0
25	151	1.67e-04	0.04	-0.16	0.0	0.0	0.0
25	156	1.59e-04	0.04	-0.15	0.0	0.0	0.0
26	4	2.76e-04	0.02	-1.10	5.78e-04	1.10e-06	0.0
26	16	9.92	1.12	-0.73	3.49e-04	4.09e-03	-5.59e-04

26	23	9.31	2.20	-0.87	4.38e-04	3.82e-03	-5.80e-04
26	48	8.54	0.88	-0.72	3.47e-04	3.48e-03	-4.84e-04
26	55	7.52	1.89	-0.86	4.36e-04	3.06e-03	-4.68e-04
26	67	1.63	1.89	-0.86	4.63e-04	7.95e-04	-3.26e-05
26	80	7.44	0.75	-0.70	3.43e-04	3.03e-03	-4.22e-04
26	99	1.40	1.68	-0.84	4.48e-04	6.85e-04	-2.56e-05
26	112	12.32	1.43	-0.76	3.56e-04	5.08e-03	-6.92e-04
26	119	11.85	2.74	-0.93	4.63e-04	4.87e-03	-7.38e-04
26	146	1.93e-04	0.01	-0.77	4.05e-04	0.0	0.0
26	151	1.60e-04	8.97e-03	-0.64	3.34e-04	0.0	0.0
26	156	1.52e-04	8.51e-03	-0.61	3.18e-04	0.0	0.0
27	4	3.60e-04	0.02	-0.43	5.76e-04	1.10e-06	0.0
27	16	10.23	1.12	-0.26	3.65e-04	4.09e-03	-5.53e-04
27	23	9.65	2.19	-0.28	4.48e-04	3.82e-03	-5.74e-04
27	48	8.81	0.87	-0.26	3.60e-04	3.48e-03	-4.79e-04
27	55	7.79	1.89	-0.28	4.43e-04	3.06e-03	-4.63e-04
27	80	7.67	0.75	-0.26	3.55e-04	3.03e-03	-4.17e-04
27	87	6.75	1.65	-0.28	4.29e-04	2.65e-03	-4.01e-04
27	99	1.44	1.67	-0.28	4.43e-04	6.85e-04	-2.49e-05
27	119	12.28	2.73	-0.29	4.76e-04	4.87e-03	-7.31e-04
27	120	12.73	1.76	-0.27	3.99e-04	4.97e-03	-8.03e-04
27	146	2.52e-04	0.01	-0.30	4.04e-04	0.0	0.0
27	151	2.08e-04	9.28e-03	-0.25	3.33e-04	0.0	0.0
27	156	1.98e-04	8.79e-03	-0.24	3.17e-04	0.0	0.0
28	4	5.94e-05	0.03	-0.02	0.0	0.0	0.0
28	16	1.77	0.19	-0.01	0.0	3.04e-03	-9.01e-05
28	23	1.68	0.37	-0.01	0.0	2.87e-03	-9.46e-05
28	26	-1.68	-0.33	-0.01	0.0	-2.87e-03	9.46e-05
28	48	1.53	0.15	-0.01	0.0	2.62e-03	-7.81e-05
28	58	-1.36	-0.29	-0.01	0.0	-2.32e-03	7.64e-05
28	67	0.28	0.32	-0.01	0.0	4.87e-04	-4.49e-06
28	80	1.33	0.13	-0.01	0.0	2.28e-03	-6.80e-05
28	90	-1.18	-0.25	-0.01	0.0	-2.01e-03	6.62e-05
28	99	0.24	0.29	-0.01	0.0	4.16e-04	-3.43e-06
28	119	2.14	0.45	-0.01	0.0	3.66e-03	-1.20e-04
28	120	2.22	0.29	-0.01	0.0	3.80e-03	-1.33e-04
28	122	-2.14	-0.42	-0.01	0.0	-3.66e-03	1.20e-04
28	146	4.15e-05	0.02	-0.02	0.0	0.0	0.0
28	151	3.44e-05	0.02	-0.01	0.0	0.0	0.0
28	156	3.26e-05	0.02	-0.01	0.0	0.0	0.0
29	1	0.0	0.0	0.0	0.0	0.0	0.0
29	15	0.0	0.0	0.0	0.0	2.91e-03	-4.00e-06
29	47	0.0	0.0	0.0	0.0	2.48e-03	-3.34e-06
29	79	0.0	0.0	0.0	0.0	2.16e-03	-2.89e-06
29	111	0.0	0.0	0.0	0.0	3.63e-03	-5.01e-06
29	143	0.0	0.0	0.0	0.0	0.0	0.0
29	150	0.0	0.0	0.0	0.0	0.0	0.0
29	155	0.0	0.0	0.0	0.0	0.0	0.0
30	4	1.19e-04	0.05	-0.04	0.0	0.0	0.0
30	16	3.54	0.38	-0.02	0.0	3.03e-03	-1.83e-04
30	23	3.35	0.74	-0.02	0.0	2.87e-03	-1.92e-04
30	26	-3.35	-0.68	-0.03	0.0	-2.87e-03	1.92e-04
30	48	3.05	0.30	-0.02	0.0	2.61e-03	-1.58e-04
30	58	-2.71	-0.59	-0.03	0.0	-2.31e-03	1.55e-04
30	67	0.57	0.64	-0.02	0.0	4.89e-04	-9.27e-06
30	80	2.66	0.27	-0.02	0.0	2.27e-03	-1.38e-04
30	90	-2.35	-0.51	-0.03	0.0	-2.01e-03	1.34e-04
30	99	0.49	0.57	-0.02	0.0	4.18e-04	-7.10e-06
30	119	4.27	0.91	-0.02	0.0	3.65e-03	-2.44e-04
30	120	4.44	0.59	-0.02	0.0	3.79e-03	-2.69e-04
30	122	-4.27	-0.86	-0.03	0.0	-3.65e-03	2.44e-04
30	146	8.32e-05	0.03	-0.03	0.0	0.0	0.0
30	151	6.88e-05	0.03	-0.03	0.0	0.0	0.0
30	156	6.53e-05	0.03	-0.02	0.0	0.0	0.0
31	4	1.79e-04	0.06	-0.06	0.0	0.0	0.0
31	16	5.31	0.58	-0.04	0.0	3.01e-03	-2.74e-04
31	23	5.02	1.11	-0.03	0.0	2.85e-03	-2.87e-04
31	26	-5.02	-1.04	-0.04	0.0	-2.85e-03	2.87e-04
31	48	4.57	0.46	-0.04	0.0	2.59e-03	-2.37e-04
31	58	-4.06	-0.90	-0.04	0.0	-2.30e-03	2.31e-04
31	67	0.85	0.97	-0.03	0.0	4.91e-04	-1.43e-05
31	80	3.98	0.40	-0.04	0.0	2.26e-03	-2.07e-04
31	90	-3.51	-0.78	-0.04	0.0	-2.00e-03	2.01e-04
31	99	0.73	0.86	-0.03	0.0	4.20e-04	-1.10e-05
31	119	6.39	1.38	-0.03	0.0	3.63e-03	-3.65e-04

31	120	6.64	0.90	-0.03	0.0	3.77e-03	-4.02e-04
31	122	-6.39	-1.31	-0.04	0.0	-3.63e-03	3.65e-04
31	146	1.25e-04	0.04	-0.04	0.0	0.0	0.0
31	151	1.04e-04	0.04	-0.04	0.0	0.0	0.0
31	156	9.83e-05	0.03	-0.04	0.0	0.0	0.0
32	4	2.40e-04	0.07	-0.09	0.0	0.0	0.0
32	16	7.06	0.77	-0.05	0.0	3.00e-03	-3.65e-04
32	23	6.68	1.49	-0.05	0.0	2.84e-03	-3.81e-04
32	24	6.97	0.93	-0.05	0.0	2.96e-03	-4.25e-04
32	48	6.08	0.61	-0.05	0.0	2.58e-03	-3.16e-04
32	56	5.71	0.71	-0.05	0.0	2.42e-03	-3.56e-04
32	67	1.14	1.29	-0.05	0.0	4.94e-04	-1.97e-05
32	80	5.30	0.53	-0.05	0.0	2.25e-03	-2.76e-04
32	88	4.96	0.61	-0.05	0.0	2.10e-03	-3.09e-04
32	99	0.98	1.15	-0.05	0.0	4.23e-04	-1.52e-05
32	119	8.50	1.85	-0.05	0.0	3.62e-03	-4.85e-04
32	120	8.83	1.20	-0.05	0.0	3.75e-03	-5.34e-04
32	146	1.68e-04	0.05	-0.06	0.0	0.0	0.0
32	151	1.39e-04	0.04	-0.05	0.0	0.0	0.0
32	156	1.32e-04	0.04	-0.05	0.0	0.0	0.0
33	4	3.06e-04	0.06	-0.12	0.0	0.0	0.0
33	16	8.80	0.95	-0.07	0.0	2.99e-03	-4.59e-04
33	23	8.33	1.85	-0.07	0.0	2.83e-03	-4.78e-04
33	48	7.58	0.75	-0.07	0.0	2.57e-03	-3.97e-04
33	55	6.73	1.60	-0.07	0.0	2.28e-03	-3.85e-04
33	67	1.43	1.60	-0.07	0.0	4.97e-04	-2.56e-05
33	80	6.60	0.65	-0.07	0.0	2.24e-03	-3.46e-04
33	87	5.83	1.40	-0.07	0.0	1.98e-03	-3.34e-04
33	99	1.22	1.43	-0.07	0.0	4.25e-04	-1.99e-05
33	119	10.61	2.30	-0.07	0.0	3.60e-03	-6.08e-04
33	120	11.01	1.49	-0.07	0.0	3.73e-03	-6.69e-04
33	146	2.14e-04	0.04	-0.08	0.0	0.0	0.0
33	151	1.77e-04	0.04	-0.07	0.0	0.0	0.0
33	156	1.68e-04	0.03	-0.06	0.0	0.0	0.0
34	4	3.73e-04	0.02	-0.19	4.60e-04	1.10e-06	0.0
34	16	10.54	1.12	-0.11	2.89e-04	4.09e-03	-5.50e-04
34	23	9.98	2.19	-0.11	3.47e-04	3.82e-03	-5.71e-04
34	48	9.08	0.87	-0.11	2.86e-04	3.48e-03	-4.76e-04
34	55	8.05	1.89	-0.11	3.43e-04	3.06e-03	-4.60e-04
34	80	7.90	0.75	-0.11	2.82e-04	3.03e-03	-4.15e-04
34	87	6.98	1.65	-0.11	3.33e-04	2.65e-03	-3.99e-04
34	99	1.47	1.67	-0.11	3.42e-04	6.85e-04	-2.47e-05
34	119	12.70	2.73	-0.11	3.66e-04	4.87e-03	-7.27e-04
34	120	13.18	1.76	-0.11	3.13e-04	4.97e-03	-7.99e-04
34	146	2.61e-04	0.01	-0.13	3.22e-04	0.0	0.0
34	151	2.16e-04	9.80e-03	-0.11	2.66e-04	0.0	0.0
34	156	2.05e-04	9.29e-03	-0.10	2.53e-04	0.0	0.0
35	3	5.70e-05	0.03	-0.01	0.0	0.0	0.0
35	4	6.00e-05	0.03	-0.01	0.0	0.0	0.0
35	16	1.83	0.19	-5.52e-03	0.0	3.13e-03	-9.01e-05
35	23	1.73	0.37	-4.84e-03	0.0	2.97e-03	-9.45e-05
35	38	-0.40	-0.30	-6.90e-03	0.0	-6.88e-04	1.16e-05
35	48	1.57	0.15	-5.52e-03	0.0	2.69e-03	-7.81e-05
35	67	0.29	0.32	-4.67e-03	0.0	4.98e-04	-4.49e-06
35	70	-0.29	-0.29	-6.93e-03	0.0	-4.98e-04	4.49e-06
35	80	1.37	0.13	-5.56e-03	0.0	2.35e-03	-6.80e-05
35	99	0.25	0.28	-4.79e-03	0.0	4.25e-04	-3.43e-06
35	102	-0.25	-0.26	-6.81e-03	0.0	-4.25e-04	3.43e-06
35	119	2.21	0.45	-4.65e-03	0.0	3.78e-03	-1.20e-04
35	120	2.30	0.29	-5.28e-03	0.0	3.93e-03	-1.33e-04
35	134	-0.53	-0.36	-7.09e-03	0.0	-9.02e-04	1.73e-05
35	145	4.00e-05	0.02	-7.14e-03	0.0	0.0	0.0
35	146	4.20e-05	0.02	-7.06e-03	0.0	0.0	0.0
35	151	3.47e-05	0.02	-6.13e-03	0.0	0.0	0.0
35	156	3.30e-05	0.01	-5.80e-03	0.0	0.0	0.0
36	1	0.0	0.0	0.0	0.0	0.0	0.0
36	15	0.0	0.0	0.0	0.0	2.99e-03	-3.99e-06
36	47	0.0	0.0	0.0	0.0	2.55e-03	-3.33e-06
36	79	0.0	0.0	0.0	0.0	2.22e-03	-2.89e-06
36	111	0.0	0.0	0.0	0.0	3.73e-03	-5.00e-06
36	143	0.0	0.0	0.0	0.0	0.0	0.0
36	150	0.0	0.0	0.0	0.0	0.0	0.0
36	155	0.0	0.0	0.0	0.0	0.0	0.0
37	3	1.15e-04	0.05	-0.02	0.0	0.0	0.0
37	4	1.21e-04	0.05	-0.02	0.0	0.0	0.0

37	16	3.65	0.38	-0.01	0.0	3.12e-03	-1.83e-04
37	23	3.46	0.74	-8.61e-03	0.0	2.96e-03	-1.91e-04
37	38	-0.80	-0.60	-0.01	0.0	-6.89e-04	2.37e-05
37	48	3.14	0.30	-0.01	0.0	2.68e-03	-1.58e-04
37	67	0.58	0.64	-8.27e-03	0.0	5.00e-04	-9.28e-06
37	70	-0.58	-0.59	-0.01	0.0	-5.00e-04	9.28e-06
37	80	2.74	0.26	-0.01	0.0	2.34e-03	-1.38e-04
37	99	0.50	0.57	-8.53e-03	0.0	4.27e-04	-7.11e-06
37	102	-0.50	-0.52	-0.01	0.0	-4.27e-04	7.11e-06
37	119	4.41	0.91	-8.17e-03	0.0	3.77e-03	-2.44e-04
37	120	4.59	0.59	-9.54e-03	0.0	3.92e-03	-2.69e-04
37	134	-1.05	-0.72	-0.01	0.0	-9.03e-04	3.52e-05
37	145	8.03e-05	0.03	-0.01	0.0	0.0	0.0
37	146	8.43e-05	0.03	-0.01	0.0	0.0	0.0
37	151	6.97e-05	0.03	-0.01	0.0	0.0	0.0
37	156	6.62e-05	0.03	-0.01	0.0	0.0	0.0
38	3	1.73e-04	0.06	-0.03	0.0	0.0	0.0
38	4	1.82e-04	0.06	-0.03	0.0	0.0	0.0
38	16	5.46	0.58	-0.01	0.0	3.10e-03	-2.74e-04
38	23	5.19	1.11	-0.01	0.0	2.95e-03	-2.86e-04
38	38	-1.20	-0.92	-0.02	0.0	-6.91e-04	3.59e-05
38	48	4.71	0.46	-0.01	0.0	2.67e-03	-2.37e-04
38	67	0.87	0.97	-0.01	0.0	5.02e-04	-1.43e-05
38	70	-0.87	-0.90	-0.02	0.0	-5.02e-04	1.43e-05
38	80	4.10	0.40	-0.01	0.0	2.33e-03	-2.07e-04
38	99	0.75	0.86	-0.01	0.0	4.30e-04	-1.10e-05
38	102	-0.75	-0.80	-0.02	0.0	-4.29e-04	1.10e-05
38	119	6.60	1.38	-0.01	0.0	3.75e-03	-3.64e-04
38	120	6.87	0.89	-0.01	0.0	3.90e-03	-4.02e-04
38	134	-1.58	-1.10	-0.02	0.0	-9.05e-04	5.31e-05
38	145	1.22e-04	0.04	-0.02	0.0	0.0	0.0
38	146	1.28e-04	0.04	-0.02	0.0	0.0	0.0
38	151	1.05e-04	0.04	-0.02	0.0	0.0	0.0
38	156	1.00e-04	0.03	-0.01	0.0	0.0	0.0
39	3	2.34e-04	0.06	-0.03	0.0	0.0	0.0
39	4	2.46e-04	0.07	-0.03	0.0	0.0	0.0
39	16	7.27	0.77	-0.02	0.0	3.09e-03	-3.65e-04
39	23	6.90	1.48	-0.01	0.0	2.93e-03	-3.81e-04
39	38	-1.61	-1.24	-0.02	0.0	-6.93e-04	4.84e-05
39	48	6.26	0.61	-0.02	0.0	2.66e-03	-3.16e-04
39	67	1.17	1.29	-0.01	0.0	5.05e-04	-1.97e-05
39	70	-1.17	-1.22	-0.02	0.0	-5.05e-04	1.97e-05
39	80	5.45	0.52	-0.02	0.0	2.31e-03	-2.75e-04
39	99	1.00	1.15	-0.01	0.0	4.32e-04	-1.52e-05
39	102	-1.00	-1.08	-0.02	0.0	-4.32e-04	1.52e-05
39	119	8.79	1.84	-0.01	0.0	3.74e-03	-4.85e-04
39	120	9.13	1.19	-0.02	0.0	3.88e-03	-5.33e-04
39	134	-2.11	-1.49	-0.03	0.0	-9.07e-04	7.14e-05
39	145	1.64e-04	0.04	-0.02	0.0	0.0	0.0
39	146	1.72e-04	0.05	-0.02	0.0	0.0	0.0
39	151	1.42e-04	0.04	-0.02	0.0	0.0	0.0
39	156	1.35e-04	0.04	-0.02	0.0	0.0	0.0
40	3	2.97e-04	0.05	-0.04	0.0	0.0	0.0
40	4	3.12e-04	0.06	-0.04	0.0	0.0	0.0
40	16	9.06	0.95	-0.02	0.0	3.08e-03	-4.57e-04
40	23	8.61	1.85	-0.01	0.0	2.92e-03	-4.76e-04
40	38	-2.01	-1.57	-0.03	0.0	-6.95e-04	6.14e-05
40	48	7.80	0.75	-0.02	0.0	2.64e-03	-3.96e-04
40	67	1.46	1.60	-0.01	0.0	5.08e-04	-2.55e-05
40	70	-1.46	-1.54	-0.03	0.0	-5.08e-04	2.55e-05
40	80	6.80	0.64	-0.02	0.0	2.30e-03	-3.45e-04
40	99	1.25	1.42	-0.01	0.0	4.35e-04	-1.99e-05
40	102	-1.25	-1.36	-0.03	0.0	-4.35e-04	1.99e-05
40	119	10.96	2.30	-0.01	0.0	3.72e-03	-6.06e-04
40	120	11.39	1.49	-0.02	0.0	3.86e-03	-6.66e-04
40	134	-2.64	-1.88	-0.03	0.0	-9.09e-04	9.03e-05
40	145	2.08e-04	0.04	-0.03	0.0	0.0	0.0
40	146	2.19e-04	0.04	-0.03	0.0	0.0	0.0
40	151	1.81e-04	0.03	-0.02	0.0	0.0	0.0
40	156	1.72e-04	0.03	-0.02	0.0	0.0	0.0
41	3	3.62e-04	0.02	-0.06	3.96e-04	1.21e-06	0.0
41	4	3.81e-04	0.02	-0.06	4.18e-04	1.10e-06	0.0
41	16	10.85	1.12	-0.03	2.61e-04	4.09e-03	-5.48e-04
41	23	10.31	2.19	-0.02	3.11e-04	3.82e-03	-5.70e-04
41	38	-2.42	-1.90	-0.04	1.46e-04	-1.03e-03	7.44e-05

41	48	9.34	0.87	-0.03	2.59e-04	3.48e-03	-4.75e-04
41	55	8.32	1.89	-0.02	3.08e-04	3.06e-03	-4.59e-04
41	70	-1.76	-1.86	-0.04	1.44e-04	-7.94e-04	3.15e-05
41	80	8.14	0.75	-0.03	2.55e-04	3.03e-03	-4.14e-04
41	99	1.50	1.67	-0.02	3.06e-04	6.85e-04	-2.46e-05
41	102	-1.50	-1.65	-0.04	1.53e-04	-6.84e-04	2.46e-05
41	119	13.13	2.73	-0.02	3.28e-04	4.87e-03	-7.26e-04
41	120	13.63	1.76	-0.03	2.82e-04	4.97e-03	-7.97e-04
41	134	-3.17	-2.27	-0.05	1.31e-04	-1.32e-03	1.09e-04
41	145	2.54e-04	0.01	-0.04	2.78e-04	0.0	0.0
41	146	2.67e-04	0.01	-0.04	2.93e-04	0.0	0.0
41	151	2.20e-04	0.01	-0.04	2.42e-04	0.0	0.0
41	156	2.09e-04	9.82e-03	-0.03	2.30e-04	0.0	0.0
42	4	6.07e-05	0.03	-0.01	0.0	0.0	0.0
42	16	1.88	0.19	-6.59e-03	0.0	3.21e-03	-9.00e-05
42	23	1.79	0.36	-5.98e-03	0.0	3.06e-03	-9.45e-05
42	26	-1.79	-0.34	-8.51e-03	0.0	-3.06e-03	9.45e-05
42	48	1.62	0.15	-6.69e-03	0.0	2.77e-03	-7.81e-05
42	58	-1.45	-0.29	-8.38e-03	0.0	-2.47e-03	7.64e-05
42	67	0.30	0.32	-6.13e-03	0.0	5.08e-04	-4.50e-06
42	80	1.41	0.13	-6.76e-03	0.0	2.41e-03	-6.80e-05
42	90	-1.25	-0.25	-8.25e-03	0.0	-2.14e-03	6.62e-05
42	99	0.25	0.28	-6.25e-03	0.0	4.34e-04	-3.44e-06
42	119	2.28	0.45	-5.68e-03	0.0	3.90e-03	-1.20e-04
42	120	2.37	0.29	-6.25e-03	0.0	4.06e-03	-1.33e-04
42	122	-2.28	-0.42	-8.81e-03	0.0	-3.90e-03	1.20e-04
42	146	4.25e-05	0.02	-8.93e-03	0.0	0.0	0.0
42	151	3.52e-05	0.01	-7.65e-03	0.0	0.0	0.0
42	156	3.34e-05	0.01	-7.24e-03	0.0	0.0	0.0
43	1	0.0	0.0	0.0	0.0	0.0	0.0
43	15	0.0	0.0	0.0	0.0	3.08e-03	-3.99e-06
43	47	0.0	0.0	0.0	0.0	2.62e-03	-3.33e-06
43	79	0.0	0.0	0.0	0.0	2.28e-03	-2.89e-06
43	111	0.0	0.0	0.0	0.0	3.83e-03	-5.00e-06
43	143	0.0	0.0	0.0	0.0	0.0	0.0
43	150	0.0	0.0	0.0	0.0	0.0	0.0
43	155	0.0	0.0	0.0	0.0	0.0	0.0
44	4	1.22e-04	0.05	-0.02	0.0	0.0	0.0
44	16	3.75	0.38	-0.01	0.0	3.20e-03	-1.82e-04
44	23	3.58	0.74	-0.01	0.0	3.06e-03	-1.91e-04
44	26	-3.58	-0.68	-0.02	0.0	-3.06e-03	1.91e-04
44	48	3.23	0.30	-0.01	0.0	2.76e-03	-1.58e-04
44	58	-2.89	-0.59	-0.02	0.0	-2.47e-03	1.55e-04
44	67	0.59	0.64	-0.01	0.0	5.10e-04	-9.30e-06
44	80	2.81	0.26	-0.01	0.0	2.40e-03	-1.38e-04
44	90	-2.50	-0.51	-0.02	0.0	-2.14e-03	1.34e-04
44	99	0.51	0.57	-0.01	0.0	4.36e-04	-7.12e-06
44	119	4.55	0.91	-0.01	0.0	3.89e-03	-2.44e-04
44	120	4.74	0.59	-0.01	0.0	4.05e-03	-2.69e-04
44	122	-4.55	-0.86	-0.02	0.0	-3.89e-03	2.44e-04
44	146	8.54e-05	0.03	-0.02	0.0	0.0	0.0
44	151	7.07e-05	0.03	-0.01	0.0	0.0	0.0
44	156	6.71e-05	0.03	-0.01	0.0	0.0	0.0
45	4	1.84e-04	0.06	-0.04	0.0	0.0	0.0
45	16	5.62	0.58	-0.02	0.0	3.19e-03	-2.73e-04
45	23	5.35	1.11	-0.02	0.0	3.04e-03	-2.86e-04
45	26	-5.35	-1.04	-0.02	0.0	-3.04e-03	2.86e-04
45	48	4.84	0.45	-0.02	0.0	2.75e-03	-2.37e-04
45	58	-4.32	-0.90	-0.02	0.0	-2.45e-03	2.31e-04
45	67	0.89	0.97	-0.02	0.0	5.13e-04	-1.43e-05
45	80	4.21	0.39	-0.02	0.0	2.39e-03	-2.06e-04
45	90	-3.75	-0.78	-0.02	0.0	-2.13e-03	2.00e-04
45	99	0.76	0.86	-0.02	0.0	4.38e-04	-1.10e-05
45	119	6.81	1.38	-0.02	0.0	3.87e-03	-3.64e-04
45	120	7.09	0.89	-0.02	0.0	4.03e-03	-4.01e-04
45	122	-6.81	-1.31	-0.02	0.0	-3.87e-03	3.64e-04
45	146	1.29e-04	0.04	-0.03	0.0	0.0	0.0
45	151	1.07e-04	0.03	-0.02	0.0	0.0	0.0
45	156	1.01e-04	0.03	-0.02	0.0	0.0	0.0
46	4	2.48e-04	0.06	-0.05	0.0	0.0	0.0
46	16	7.47	0.77	-0.03	0.0	3.18e-03	-3.64e-04
46	23	7.12	1.48	-0.02	0.0	3.03e-03	-3.80e-04
46	26	-7.12	-1.41	-0.03	0.0	-3.03e-03	3.80e-04
46	48	6.44	0.60	-0.03	0.0	2.73e-03	-3.15e-04
46	58	-5.75	-1.21	-0.03	0.0	-2.44e-03	3.06e-04

46	67	1.19	1.29	-0.03	0.0	5.16e-04	-1.97e-05
46	80	5.61	0.52	-0.03	0.0	2.38e-03	-2.74e-04
46	90	-4.98	-1.06	-0.03	0.0	-2.11e-03	2.65e-04
46	99	1.02	1.15	-0.03	0.0	4.41e-04	-1.52e-05
46	119	9.07	1.84	-0.02	0.0	3.85e-03	-4.83e-04
46	120	9.43	1.19	-0.03	0.0	4.00e-03	-5.32e-04
46	122	-9.07	-1.77	-0.03	0.0	-3.85e-03	4.83e-04
46	146	1.74e-04	0.04	-0.04	0.0	0.0	0.0
46	151	1.44e-04	0.04	-0.03	0.0	0.0	0.0
46	156	1.36e-04	0.03	-0.03	0.0	0.0	0.0
47	4	3.13e-04	0.05	-0.07	0.0	0.0	0.0
47	16	9.32	0.95	-0.04	0.0	3.16e-03	-4.55e-04
47	23	8.89	1.84	-0.03	0.0	3.02e-03	-4.74e-04
47	26	-8.89	-1.79	-0.04	0.0	-3.02e-03	4.74e-04
47	48	8.03	0.74	-0.04	0.0	2.72e-03	-3.94e-04
47	58	-7.17	-1.54	-0.04	0.0	-2.43e-03	3.82e-04
47	67	1.49	1.59	-0.04	0.0	5.18e-04	-2.55e-05
47	80	6.99	0.64	-0.04	0.0	2.37e-03	-3.44e-04
47	90	-6.21	-1.34	-0.04	0.0	-2.10e-03	3.31e-04
47	99	1.28	1.42	-0.04	0.0	4.43e-04	-1.99e-05
47	119	11.31	2.29	-0.03	0.0	3.84e-03	-6.04e-04
47	120	11.76	1.48	-0.04	0.0	3.99e-03	-6.64e-04
47	122	-11.31	-2.24	-0.04	0.0	-3.84e-03	6.04e-04
47	146	2.19e-04	0.04	-0.05	0.0	0.0	0.0
47	151	1.81e-04	0.03	-0.04	0.0	0.0	0.0
47	156	1.72e-04	0.03	-0.04	0.0	0.0	0.0
48	4	3.77e-04	0.02	-0.11	0.0	0.0	0.0
48	16	11.16	1.11	-0.06	0.0	3.16e-03	-5.40e-04
48	23	10.64	2.18	-0.05	0.0	3.01e-03	-5.61e-04
48	26	-10.64	-2.16	-0.06	0.0	-3.01e-03	5.61e-04
48	48	9.61	0.87	-0.06	0.0	2.72e-03	-4.68e-04
48	55	8.58	1.88	-0.05	0.0	2.43e-03	-4.52e-04
48	58	-8.58	-1.86	-0.06	0.0	-2.43e-03	4.52e-04
48	80	8.37	0.75	-0.06	0.0	2.36e-03	-4.07e-04
48	90	-7.44	-1.63	-0.06	0.0	-2.10e-03	3.92e-04
48	99	1.53	1.67	-0.06	0.0	4.44e-04	-2.43e-05
48	119	13.55	2.72	-0.05	0.0	3.83e-03	-7.14e-04
48	120	14.08	1.75	-0.05	0.0	3.98e-03	-7.85e-04
48	122	-13.55	-2.70	-0.06	0.0	-3.83e-03	7.14e-04
48	146	2.64e-04	0.01	-0.07	0.0	0.0	0.0
48	151	2.18e-04	0.01	-0.06	0.0	0.0	0.0
48	156	2.07e-04	0.01	-0.06	0.0	0.0	0.0
49	4	6.13e-05	0.02	-0.02	0.0	0.0	0.0
49	23	1.85	0.36	-3.66e-03	0.0	3.16e-03	-9.46e-05
49	24	1.93	0.23	-6.31e-03	0.0	3.31e-03	-1.06e-04
49	26	-1.85	-0.33	-0.02	0.0	-3.16e-03	9.46e-05
49	48	1.66	0.15	-7.66e-03	0.0	2.85e-03	-7.80e-05
49	58	-1.49	-0.29	-0.02	0.0	-2.55e-03	7.64e-05
49	67	0.30	0.32	-5.40e-03	0.0	5.18e-04	-4.51e-06
49	80	1.45	0.13	-8.19e-03	0.0	2.48e-03	-6.80e-05
49	90	-1.29	-0.25	-0.02	0.0	-2.21e-03	6.62e-05
49	99	0.26	0.28	-6.10e-03	0.0	4.42e-04	-3.45e-06
49	119	2.35	0.45	-1.71e-03	0.0	4.02e-03	-1.20e-04
49	120	2.45	0.29	-4.80e-03	0.0	4.19e-03	-1.33e-04
49	122	-2.35	-0.42	-0.02	0.0	-4.02e-03	1.20e-04
49	146	4.29e-05	0.02	-0.01	0.0	0.0	0.0
49	151	3.55e-05	0.01	-0.01	0.0	0.0	0.0
49	156	3.37e-05	0.01	-0.01	0.0	0.0	0.0
50	1	0.0	0.0	0.0	0.0	0.0	0.0
50	15	0.0	0.0	0.0	0.0	3.16e-03	-3.99e-06
50	47	0.0	0.0	0.0	0.0	2.68e-03	-3.33e-06
50	79	0.0	0.0	0.0	0.0	2.33e-03	-2.89e-06
50	111	0.0	0.0	0.0	0.0	3.93e-03	-5.00e-06
50	143	0.0	0.0	0.0	0.0	0.0	0.0
50	150	0.0	0.0	0.0	0.0	0.0	0.0
50	155	0.0	0.0	0.0	0.0	0.0	0.0
51	4	1.23e-04	0.05	-0.04	0.0	0.0	0.0
51	23	3.69	0.73	-6.88e-03	0.0	3.15e-03	-1.91e-04
51	24	3.86	0.46	-0.01	0.0	3.30e-03	-2.13e-04
51	26	-3.69	-0.68	-0.04	0.0	-3.15e-03	1.91e-04
51	48	3.32	0.30	-0.01	0.0	2.84e-03	-1.58e-04
51	58	-2.98	-0.59	-0.04	0.0	-2.54e-03	1.55e-04
51	67	0.60	0.64	-0.01	0.0	5.20e-04	-9.32e-06
51	80	2.89	0.26	-0.02	0.0	2.47e-03	-1.38e-04
51	90	-2.58	-0.51	-0.03	0.0	-2.20e-03	1.34e-04

51	99	0.52	0.57	-0.01	0.0	4.44e-04	-7.14e-06
51	119	4.69	0.91	-3.02e-03	0.0	4.01e-03	-2.43e-04
51	120	4.89	0.59	-9.14e-03	0.0	4.17e-03	-2.68e-04
51	122	-4.69	-0.86	-0.04	0.0	-4.01e-03	2.43e-04
51	146	8.61e-05	0.03	-0.03	0.0	0.0	0.0
51	151	7.12e-05	0.03	-0.02	0.0	0.0	0.0
51	156	6.76e-05	0.02	-0.02	0.0	0.0	0.0
52	4	1.85e-04	0.06	-0.06	0.0	0.0	0.0
52	23	5.52	1.11	-0.01	0.0	3.14e-03	-2.85e-04
52	24	5.78	0.69	-0.02	0.0	3.28e-03	-3.18e-04
52	26	-5.52	-1.04	-0.06	0.0	-3.14e-03	2.85e-04
52	48	4.97	0.45	-0.02	0.0	2.82e-03	-2.36e-04
52	58	-4.45	-0.90	-0.05	0.0	-2.53e-03	2.30e-04
52	67	0.91	0.96	-0.02	0.0	5.23e-04	-1.43e-05
52	80	4.33	0.39	-0.02	0.0	2.46e-03	-2.06e-04
52	90	-3.86	-0.78	-0.05	0.0	-2.19e-03	2.00e-04
52	99	0.77	0.86	-0.02	0.0	4.46e-04	-1.10e-05
52	119	7.03	1.37	-4.69e-03	0.0	3.99e-03	-3.63e-04
52	120	7.32	0.89	-0.01	0.0	4.15e-03	-4.00e-04
52	122	-7.03	-1.31	-0.06	0.0	-3.99e-03	3.63e-04
52	146	1.30e-04	0.04	-0.04	0.0	0.0	0.0
52	151	1.07e-04	0.03	-0.04	0.0	0.0	0.0
52	156	1.02e-04	0.03	-0.03	0.0	0.0	0.0
53	4	2.48e-04	0.06	-0.08	0.0	0.0	0.0
53	23	7.34	1.48	-0.01	0.0	3.12e-03	-3.79e-04
53	24	7.68	0.92	-0.02	0.0	3.26e-03	-4.22e-04
53	26	-7.34	-1.41	-0.07	0.0	-3.12e-03	3.79e-04
53	48	6.61	0.60	-0.03	0.0	2.81e-03	-3.14e-04
53	58	-5.92	-1.21	-0.07	0.0	-2.51e-03	3.05e-04
53	67	1.21	1.28	-0.02	0.0	5.26e-04	-1.97e-05
53	80	5.76	0.52	-0.03	0.0	2.45e-03	-2.74e-04
53	90	-5.13	-1.06	-0.07	0.0	-2.18e-03	2.65e-04
53	99	1.04	1.14	-0.02	0.0	4.49e-04	-1.53e-05
53	119	9.35	1.84	-7.80e-03	0.0	3.97e-03	-4.82e-04
53	120	9.73	1.19	-0.02	0.0	4.13e-03	-5.30e-04
53	122	-9.35	-1.77	-0.08	0.0	-3.97e-03	4.82e-04
53	146	1.73e-04	0.04	-0.06	0.0	0.0	0.0
53	151	1.43e-04	0.04	-0.05	0.0	0.0	0.0
53	156	1.36e-04	0.03	-0.04	0.0	0.0	0.0
54	4	3.10e-04	0.05	-0.10	0.0	0.0	0.0
54	23	9.16	1.84	-0.02	0.0	3.11e-03	-4.72e-04
54	24	9.58	1.15	-0.03	0.0	3.24e-03	-5.25e-04
54	26	-9.16	-1.79	-0.09	0.0	-3.11e-03	4.72e-04
54	48	8.25	0.74	-0.04	0.0	2.80e-03	-3.93e-04
54	58	-7.39	-1.54	-0.08	0.0	-2.50e-03	3.81e-04
54	67	1.52	1.59	-0.03	0.0	5.28e-04	-2.55e-05
54	80	7.18	0.64	-0.04	0.0	2.43e-03	-3.42e-04
54	90	-6.40	-1.34	-0.08	0.0	-2.17e-03	3.30e-04
54	99	1.30	1.42	-0.03	0.0	4.52e-04	-1.99e-05
54	119	11.66	2.29	-0.02	0.0	3.96e-03	-6.02e-04
54	120	12.14	1.48	-0.03	0.0	4.11e-03	-6.61e-04
54	122	-11.66	-2.24	-0.09	0.0	-3.96e-03	6.02e-04
54	146	2.17e-04	0.03	-0.07	0.0	0.0	0.0
54	151	1.79e-04	0.03	-0.06	0.0	0.0	0.0
54	156	1.70e-04	0.03	-0.05	0.0	0.0	0.0
55	4	3.71e-04	0.02	-0.14	0.0	0.0	0.0
55	16	11.47	1.11	-0.06	0.0	3.25e-03	-5.38e-04
55	23	10.97	2.18	-0.05	0.0	3.10e-03	-5.58e-04
55	26	-10.97	-2.16	-0.11	0.0	-3.10e-03	5.58e-04
55	48	9.87	0.87	-0.06	0.0	2.79e-03	-4.65e-04
55	55	8.84	1.88	-0.05	0.0	2.50e-03	-4.50e-04
55	58	-8.84	-1.86	-0.10	0.0	-2.50e-03	4.50e-04
55	80	8.60	0.75	-0.06	0.0	2.43e-03	-4.05e-04
55	90	-7.66	-1.63	-0.10	0.0	-2.16e-03	3.90e-04
55	99	1.56	1.67	-0.06	0.0	4.53e-04	-2.44e-05
55	119	13.96	2.72	-0.04	0.0	3.95e-03	-7.11e-04
55	120	14.53	1.75	-0.05	0.0	4.10e-03	-7.81e-04
55	122	-13.96	-2.70	-0.11	0.0	-3.95e-03	7.11e-04
55	146	2.59e-04	0.01	-0.10	0.0	0.0	0.0
55	151	2.15e-04	0.01	-0.08	0.0	0.0	0.0
55	156	2.04e-04	0.01	-0.08	0.0	0.0	0.0
56	4	6.15e-05	0.02	-0.03	0.0	0.0	0.0
56	23	1.87	0.36	-2.61e-03	0.0	3.21e-03	-9.46e-05
56	24	1.96	0.23	-6.84e-03	0.0	3.36e-03	-1.06e-04
56	26	-1.87	-0.33	-0.03	0.0	-3.21e-03	9.46e-05

56	48	1.68	0.15	-8.98e-03	0.0	2.88e-03	-7.80e-05
56	58	-1.51	-0.29	-0.03	0.0	-2.59e-03	7.64e-05
56	67	0.30	0.32	-5.45e-03	0.0	5.22e-04	-4.52e-06
56	80	1.47	0.13	-9.83e-03	0.0	2.51e-03	-6.80e-05
56	90	-1.31	-0.25	-0.03	0.0	-2.24e-03	6.63e-05
56	99	0.26	0.28	-6.57e-03	0.0	4.46e-04	-3.45e-06
56	119	2.38	0.45	5.08e-04	0.0	4.08e-03	-1.20e-04
56	120	2.48	0.29	-4.41e-03	0.0	4.25e-03	-1.33e-04
56	122	-2.38	-0.42	-0.03	0.0	-4.08e-03	1.20e-04
56	146	4.31e-05	0.02	-0.02	0.0	0.0	0.0
56	151	3.56e-05	0.01	-0.02	0.0	0.0	0.0
56	156	3.38e-05	0.01	-0.02	0.0	0.0	0.0
57	1	0.0	0.0	0.0	0.0	0.0	0.0
57	15	0.0	0.0	0.0	0.0	3.20e-03	-3.99e-06
57	47	0.0	0.0	0.0	0.0	2.72e-03	-3.33e-06
57	79	0.0	0.0	0.0	0.0	2.36e-03	-2.88e-06
57	111	0.0	0.0	0.0	0.0	3.98e-03	-5.00e-06
57	143	0.0	0.0	0.0	0.0	0.0	0.0
57	150	0.0	0.0	0.0	0.0	0.0	0.0
57	155	0.0	0.0	0.0	0.0	0.0	0.0
58	4	1.23e-04	0.05	-0.06	0.0	0.0	0.0
58	23	3.74	0.73	-4.04e-03	0.0	3.20e-03	-1.91e-04
58	24	3.92	0.46	-0.01	0.0	3.35e-03	-2.13e-04
58	26	-3.74	-0.68	-0.06	0.0	-3.20e-03	1.91e-04
58	48	3.36	0.30	-0.02	0.0	2.87e-03	-1.58e-04
58	58	-3.02	-0.59	-0.05	0.0	-2.58e-03	1.55e-04
58	67	0.61	0.64	-9.88e-03	0.0	5.24e-04	-9.32e-06
58	80	2.93	0.26	-0.02	0.0	2.50e-03	-1.38e-04
58	90	-2.62	-0.51	-0.05	0.0	-2.23e-03	1.34e-04
58	99	0.52	0.57	-0.01	0.0	4.47e-04	-7.15e-06
58	119	4.76	0.91	2.40e-03	0.0	4.07e-03	-2.43e-04
58	120	4.96	0.59	-7.74e-03	0.0	4.24e-03	-2.68e-04
58	122	-4.76	-0.86	-0.06	0.0	-4.07e-03	2.43e-04
58	146	8.62e-05	0.03	-0.04	0.0	0.0	0.0
58	151	7.13e-05	0.03	-0.03	0.0	0.0	0.0
58	156	6.77e-05	0.02	-0.03	0.0	0.0	0.0
59	4	1.85e-04	0.06	-0.08	0.0	0.0	0.0
59	23	5.60	1.11	-3.43e-03	0.0	3.18e-03	-2.85e-04
59	24	5.87	0.69	-0.02	0.0	3.33e-03	-3.18e-04
59	26	-5.60	-1.04	-0.09	0.0	-3.18e-03	2.85e-04
59	48	5.04	0.45	-0.02	0.0	2.86e-03	-2.36e-04
59	58	-4.52	-0.90	-0.08	0.0	-2.56e-03	2.30e-04
59	67	0.92	0.96	-0.01	0.0	5.27e-04	-1.43e-05
59	80	4.39	0.39	-0.03	0.0	2.49e-03	-2.06e-04
59	90	-3.92	-0.78	-0.08	0.0	-2.22e-03	2.00e-04
59	99	0.78	0.86	-0.02	0.0	4.50e-04	-1.10e-05
59	119	7.13	1.37	6.84e-03	0.0	4.05e-03	-3.63e-04
59	120	7.43	0.89	-9.36e-03	0.0	4.22e-03	-4.00e-04
59	122	-7.13	-1.31	-0.10	0.0	-4.05e-03	3.63e-04
59	146	1.29e-04	0.04	-0.06	0.0	0.0	0.0
59	151	1.07e-04	0.03	-0.05	0.0	0.0	0.0
59	156	1.02e-04	0.03	-0.05	0.0	0.0	0.0
60	4	2.47e-04	0.06	-0.11	0.0	0.0	0.0
60	23	7.45	1.48	-2.72e-04	0.0	3.17e-03	-3.78e-04
60	24	7.80	0.92	-0.02	0.0	3.31e-03	-4.21e-04
60	26	-7.45	-1.41	-0.12	0.0	-3.17e-03	3.78e-04
60	48	6.70	0.60	-0.03	0.0	2.85e-03	-3.14e-04
60	58	-6.01	-1.21	-0.12	0.0	-2.55e-03	3.05e-04
60	67	1.22	1.28	-0.01	0.0	5.30e-04	-1.97e-05
60	80	5.83	0.52	-0.04	0.0	2.48e-03	-2.73e-04
60	90	-5.21	-1.06	-0.11	0.0	-2.21e-03	2.64e-04
60	99	1.04	1.14	-0.02	0.0	4.53e-04	-1.53e-05
60	119	9.49	1.84	0.01	0.0	4.03e-03	-4.81e-04
60	120	9.88	1.19	-9.01e-03	0.0	4.19e-03	-5.30e-04
60	122	-9.48	-1.77	-0.14	0.0	-4.03e-03	4.81e-04
60	146	1.73e-04	0.04	-0.08	0.0	0.0	0.0
60	151	1.43e-04	0.03	-0.07	0.0	0.0	0.0
60	156	1.36e-04	0.03	-0.06	0.0	0.0	0.0
61	4	3.08e-04	0.05	-0.16	0.0	0.0	0.0
61	23	9.29	1.84	2.79e-03	0.0	3.15e-03	-4.71e-04
61	24	9.72	1.14	-0.03	0.0	3.29e-03	-5.24e-04
61	26	-9.29	-1.79	-0.17	0.0	-3.15e-03	4.71e-04
61	48	8.36	0.74	-0.04	0.0	2.83e-03	-3.92e-04
61	58	-7.49	-1.54	-0.16	0.0	-2.54e-03	3.80e-04
61	67	1.53	1.59	-0.02	0.0	5.33e-04	-2.56e-05

61	80	7.28	0.64	-0.05	0.0	2.47e-03	-3.42e-04
61	90	-6.49	-1.34	-0.15	0.0	-2.20e-03	3.29e-04
61	99	1.31	1.41	-0.02	0.0	4.56e-04	-1.99e-05
61	119	11.83	2.29	0.02	0.0	4.02e-03	-6.00e-04
61	120	12.32	1.48	-9.74e-03	0.0	4.17e-03	-6.60e-04
61	122	-11.83	-2.24	-0.20	0.0	-4.02e-03	6.01e-04
61	146	2.15e-04	0.03	-0.11	0.0	0.0	0.0
61	151	1.78e-04	0.03	-0.09	0.0	0.0	0.0
61	156	1.69e-04	0.03	-0.09	0.0	0.0	0.0
62	4	3.68e-04	0.02	-0.26	0.0	0.0	0.0
62	23	11.13	2.18	-0.02	0.0	4.48e-03	-5.65e-04
62	24	11.64	1.35	-0.06	0.0	4.61e-03	-6.28e-04
62	26	-11.13	-2.16	-0.27	0.0	-4.48e-03	5.65e-04
62	48	10.00	0.87	-0.08	0.0	4.00e-03	-4.71e-04
62	55	8.97	1.88	-0.03	0.0	3.59e-03	-4.55e-04
62	58	-8.97	-1.86	-0.25	0.0	-3.59e-03	4.55e-04
62	80	8.71	0.75	-0.09	0.0	3.48e-03	-4.11e-04
62	90	-7.77	-1.62	-0.24	0.0	-3.11e-03	3.94e-04
62	99	1.58	1.67	-0.05	0.0	7.55e-04	-2.51e-05
62	119	14.17	2.72	0.02	0.0	5.71e-03	-7.20e-04
62	120	14.75	1.75	-0.03	0.0	5.85e-03	-7.91e-04
62	122	-14.17	-2.70	-0.30	0.0	-5.71e-03	7.20e-04
62	146	2.57e-04	0.01	-0.18	0.0	0.0	0.0
62	151	2.13e-04	0.01	-0.15	0.0	0.0	0.0
62	156	2.02e-04	0.01	-0.14	0.0	0.0	0.0
63	1	0.0	0.0	0.0	0.0	0.0	0.0
63	15	0.0	0.0	0.0	0.0	3.33e-03	-3.92e-06
63	47	0.0	0.0	0.0	0.0	2.83e-03	-3.27e-06
63	79	0.0	0.0	0.0	0.0	2.46e-03	-2.84e-06
63	111	0.0	0.0	0.0	0.0	4.15e-03	-4.92e-06
63	143	0.0	0.0	0.0	0.0	0.0	0.0
63	150	0.0	0.0	0.0	0.0	0.0	0.0
63	155	0.0	0.0	0.0	0.0	0.0	0.0
64	4	6.78e-04	0.83	-0.75	-8.85e-05	0.0	0.0
64	16	27.33	2.92	-0.21	-3.89e-04	3.87e-03	-1.17e-03
64	23	26.40	5.01	-0.09	-6.02e-04	3.60e-03	-1.20e-03
64	26	-26.40	-4.11	-0.72	5.01e-04	-3.60e-03	1.20e-03
64	48	23.26	2.41	-0.24	-3.34e-04	3.36e-03	-1.01e-03
64	55	21.13	4.36	-0.13	-5.30e-04	2.92e-03	-9.66e-04
64	58	-21.13	-3.46	-0.69	4.30e-04	-2.92e-03	9.66e-04
64	80	20.22	2.14	-0.26	-2.96e-04	2.93e-03	-8.82e-04
64	87	18.29	3.87	-0.17	-4.71e-04	2.54e-03	-8.37e-04
64	90	-18.29	-2.97	-0.65	3.70e-04	-2.54e-03	8.37e-04
64	119	33.65	6.15	-0.02	-7.37e-04	4.58e-03	-1.53e-03
64	120	34.25	4.21	-0.13	-5.32e-04	4.80e-03	-1.66e-03
64	122	-33.65	-5.25	-0.80	6.37e-04	-4.58e-03	1.53e-03
64	146	4.72e-04	0.58	-0.53	-6.36e-05	0.0	0.0
64	151	3.87e-04	0.48	-0.43	-5.10e-05	0.0	0.0
64	156	3.66e-04	0.45	-0.41	-5.02e-05	0.0	0.0
65	4	1.15e-04	0.04	-0.09	0.0	0.0	0.0
65	24	4.12	-0.67	-6.38e-03	0.0	3.52e-03	-2.13e-04
65	29	-3.93	0.73	-0.09	0.0	-3.35e-03	1.91e-04
65	48	3.51	-0.52	-0.01	0.0	3.00e-03	-1.58e-04
65	61	-3.17	0.63	-0.09	0.0	-2.70e-03	1.55e-04
65	77	-0.63	0.64	-0.08	0.0	-5.40e-04	9.54e-06
65	80	3.06	-0.45	-0.02	0.0	2.61e-03	-1.38e-04
65	93	-2.74	0.56	-0.08	0.0	-2.34e-03	1.34e-04
65	109	-0.53	0.57	-0.08	0.0	-4.61e-04	7.34e-06
65	120	5.22	-0.84	4.25e-03	0.0	4.46e-03	-2.68e-04
65	125	-5.00	0.90	-0.10	0.0	-4.27e-03	2.43e-04
65	146	8.06e-05	0.03	-0.06	0.0	0.0	0.0
65	151	6.67e-05	0.03	-0.05	0.0	0.0	0.0
65	156	6.34e-05	0.02	-0.05	0.0	0.0	0.0
66	4	1.74e-04	0.06	-0.13	0.0	0.0	0.0
66	24	6.17	-1.02	-7.85e-03	0.0	3.50e-03	-3.18e-04
66	29	-5.88	1.11	-0.14	0.0	-3.34e-03	2.85e-04
66	48	5.26	-0.80	-0.02	0.0	2.99e-03	-2.36e-04
66	61	-4.74	0.96	-0.13	0.0	-2.69e-03	2.30e-04
66	77	-0.94	0.96	-0.13	0.0	-5.43e-04	1.46e-05
66	80	4.58	-0.70	-0.03	0.0	2.60e-03	-2.05e-04
66	93	-4.11	0.84	-0.12	0.0	-2.33e-03	1.99e-04
66	109	-0.80	0.86	-0.12	0.0	-4.64e-04	1.13e-05
66	120	7.81	-1.28	8.61e-03	0.0	4.43e-03	-4.00e-04
66	125	-7.48	1.37	-0.16	0.0	-4.25e-03	3.63e-04
66	146	1.22e-04	0.04	-0.09	0.0	0.0	0.0

66	151	1.01e-04	0.03	-0.08	0.0	0.0	0.0
66	156	9.57e-05	0.03	-0.07	0.0	0.0	0.0
67	4	2.34e-04	0.06	-0.18	0.0	0.0	0.0
67	24	8.20	-1.39	-0.01	0.0	3.47e-03	-4.20e-04
67	29	-7.82	1.48	-0.19	0.0	-3.32e-03	3.77e-04
67	48	7.00	-1.09	-0.03	0.0	2.97e-03	-3.13e-04
67	61	-6.30	1.28	-0.18	0.0	-2.67e-03	3.04e-04
67	77	-1.26	1.28	-0.17	0.0	-5.47e-04	2.01e-05
67	80	6.09	-0.95	-0.04	0.0	2.59e-03	-2.73e-04
67	93	-5.46	1.12	-0.17	0.0	-2.32e-03	2.64e-04
67	109	-1.08	1.14	-0.17	0.0	-4.67e-04	1.56e-05
67	120	10.38	-1.74	8.67e-03	0.0	4.40e-03	-5.29e-04
67	125	-9.95	1.83	-0.21	0.0	-4.23e-03	4.81e-04
67	146	1.64e-04	0.04	-0.13	0.0	0.0	0.0
67	151	1.35e-04	0.03	-0.11	0.0	0.0	0.0
67	156	1.29e-04	0.03	-0.10	0.0	0.0	0.0
68	4	2.95e-04	0.04	-0.26	0.0	0.0	0.0
68	24	10.22	-1.75	-0.03	0.0	3.46e-03	-5.22e-04
68	29	-9.75	1.83	-0.25	0.0	-3.31e-03	4.70e-04
68	48	8.73	-1.38	-0.05	0.0	2.96e-03	-3.91e-04
68	61	-7.86	1.59	-0.24	0.0	-2.66e-03	3.79e-04
68	77	-1.58	1.59	-0.23	0.0	-5.50e-04	2.61e-05
68	80	7.60	-1.20	-0.06	0.0	2.58e-03	-3.40e-04
68	93	-6.81	1.39	-0.22	0.0	-2.30e-03	3.28e-04
68	109	-1.35	1.41	-0.22	0.0	-4.70e-04	2.04e-05
68	120	12.94	-2.20	-5.76e-03	0.0	4.38e-03	-6.57e-04
68	125	-12.41	2.28	-0.28	0.0	-4.21e-03	5.98e-04
68	146	2.06e-04	0.03	-0.18	0.0	0.0	0.0
68	151	1.71e-04	0.03	-0.15	0.0	0.0	0.0
68	156	1.62e-04	0.02	-0.14	0.0	0.0	0.0
69	4	3.57e-04	0.02	-0.42	0.0	0.0	0.0
69	24	12.23	-2.12	-0.10	0.0	4.80e-03	-6.25e-04
69	29	-11.67	2.18	-0.36	0.0	-4.66e-03	5.63e-04
69	48	10.45	-1.67	-0.13	0.0	4.15e-03	-4.70e-04
69	61	-9.41	1.88	-0.34	0.0	-3.74e-03	4.53e-04
69	80	9.10	-1.46	-0.14	0.0	3.61e-03	-4.09e-04
69	93	-8.15	1.65	-0.32	0.0	-3.24e-03	3.93e-04
69	109	-1.62	1.67	-0.32	0.0	-7.69e-04	2.57e-05
69	120	15.49	-2.65	-0.07	0.0	6.10e-03	-7.87e-04
69	125	-14.86	2.72	-0.39	0.0	-5.93e-03	7.17e-04
69	146	2.50e-04	0.02	-0.29	0.0	0.0	0.0
69	151	2.07e-04	0.01	-0.24	0.0	0.0	0.0
69	156	1.96e-04	0.01	-0.23	0.0	0.0	0.0
70	4	6.16e-05	0.02	-0.05	0.0	0.0	0.0
70	23	2.01	0.36	-0.13	0.0	3.44e-03	-9.47e-05
70	24	2.11	0.22	-0.09	0.0	3.61e-03	-1.06e-04
70	48	1.80	0.15	-0.07	0.0	3.07e-03	-7.81e-05
70	55	1.62	0.31	-0.11	0.0	2.77e-03	-7.65e-05
70	67	0.32	0.31	-0.11	0.0	5.42e-04	-4.54e-06
70	80	1.56	0.13	-0.06	0.0	2.67e-03	-6.80e-05
70	87	1.41	0.27	-0.10	0.0	2.40e-03	-6.63e-05
70	99	0.27	0.28	-0.10	0.0	4.62e-04	-3.47e-06
70	119	2.56	0.44	-0.15	0.0	4.38e-03	-1.21e-04
70	120	2.68	0.29	-0.11	0.0	4.57e-03	-1.33e-04
70	146	4.31e-05	0.02	-0.04	0.0	0.0	0.0
70	151	3.57e-05	0.01	-0.03	0.0	0.0	0.0
70	156	3.39e-05	0.01	-0.03	0.0	0.0	0.0
71	4	1.22e-04	0.04	-0.10	0.0	0.0	0.0
71	23	4.02	0.73	-0.23	0.0	3.43e-03	-1.91e-04
71	24	4.22	0.46	-0.16	0.0	3.60e-03	-2.13e-04
71	48	3.59	0.30	-0.13	0.0	3.06e-03	-1.58e-04
71	55	3.24	0.63	-0.20	0.0	2.76e-03	-1.54e-04
71	67	0.63	0.64	-0.20	0.0	5.45e-04	-9.35e-06
71	80	3.12	0.26	-0.12	0.0	2.66e-03	-1.38e-04
71	87	2.81	0.56	-0.19	0.0	2.39e-03	-1.34e-04
71	99	0.54	0.57	-0.18	0.0	4.65e-04	-7.17e-06
71	119	5.11	0.90	-0.27	0.0	4.36e-03	-2.43e-04
71	120	5.34	0.59	-0.20	0.0	4.55e-03	-2.68e-04
71	146	8.57e-05	0.03	-0.07	0.0	0.0	0.0
71	151	7.09e-05	0.03	-0.06	0.0	0.0	0.0
71	156	6.73e-05	0.02	-0.05	0.0	0.0	0.0
72	4	1.82e-04	0.06	-0.15	0.0	0.0	0.0
72	23	6.02	1.10	-0.32	0.0	3.41e-03	-2.85e-04
72	24	6.32	0.69	-0.23	0.0	3.57e-03	-3.18e-04
72	48	5.37	0.45	-0.18	0.0	3.05e-03	-2.36e-04

72	55	4.85	0.96	-0.28	0.0	2.75e-03	-2.30e-04
72	67	0.95	0.96	-0.28	0.0	5.48e-04	-1.44e-05
72	80	4.68	0.39	-0.17	0.0	2.65e-03	-2.05e-04
72	87	4.20	0.84	-0.26	0.0	2.38e-03	-1.99e-04
72	99	0.81	0.86	-0.25	0.0	4.68e-04	-1.11e-05
72	119	7.66	1.37	-0.38	0.0	4.34e-03	-3.63e-04
72	120	8.00	0.89	-0.27	0.0	4.53e-03	-4.00e-04
72	146	1.27e-04	0.04	-0.10	0.0	0.0	0.0
72	151	1.05e-04	0.03	-0.08	0.0	0.0	0.0
72	156	1.00e-04	0.03	-0.08	0.0	0.0	0.0
73	4	2.40e-04	0.06	-0.20	0.0	0.0	0.0
73	23	8.00	1.48	-0.40	0.0	3.39e-03	-3.77e-04
73	24	8.40	0.92	-0.29	0.0	3.55e-03	-4.20e-04
73	48	7.15	0.60	-0.23	0.0	3.03e-03	-3.13e-04
73	55	6.45	1.28	-0.36	0.0	2.73e-03	-3.04e-04
73	67	1.27	1.28	-0.35	0.0	5.52e-04	-1.97e-05
73	80	6.22	0.52	-0.22	0.0	2.64e-03	-2.73e-04
73	87	5.59	1.12	-0.32	0.0	2.36e-03	-2.64e-04
73	99	1.09	1.14	-0.32	0.0	4.71e-04	-1.53e-05
73	119	10.19	1.83	-0.47	0.0	4.32e-03	-4.80e-04
73	120	10.64	1.19	-0.35	0.0	4.50e-03	-5.29e-04
73	146	1.68e-04	0.04	-0.14	0.0	0.0	0.0
73	151	1.39e-04	0.03	-0.12	0.0	0.0	0.0
73	156	1.32e-04	0.03	-0.11	0.0	0.0	0.0
74	4	2.96e-04	0.04	-0.28	0.0	0.0	0.0
74	23	9.98	1.83	-0.48	0.0	3.37e-03	-4.69e-04
74	24	10.47	1.14	-0.36	0.0	3.53e-03	-5.22e-04
74	48	8.91	0.74	-0.30	0.0	3.02e-03	-3.91e-04
74	55	8.04	1.58	-0.43	0.0	2.71e-03	-3.78e-04
74	67	1.60	1.59	-0.42	0.0	5.56e-04	-2.56e-05
74	80	7.76	0.64	-0.28	0.0	2.63e-03	-3.40e-04
74	87	6.96	1.39	-0.40	0.0	2.35e-03	-3.28e-04
74	99	1.36	1.41	-0.39	0.0	4.75e-04	-2.00e-05
74	119	12.70	2.28	-0.56	0.0	4.30e-03	-5.98e-04
74	120	13.26	1.47	-0.43	0.0	4.47e-03	-6.57e-04
74	146	2.07e-04	0.03	-0.20	0.0	0.0	0.0
74	151	1.71e-04	0.02	-0.16	0.0	0.0	0.0
74	156	1.63e-04	0.02	-0.16	0.0	0.0	0.0
75	4	3.52e-04	0.02	-0.47	0.0	0.0	0.0
75	23	11.94	2.18	-0.62	0.0	4.74e-03	-5.62e-04
75	24	12.52	1.35	-0.49	0.0	4.89e-03	-6.24e-04
75	48	10.67	0.87	-0.42	0.0	4.22e-03	-4.69e-04
75	55	9.62	1.88	-0.56	0.0	3.81e-03	-4.52e-04
75	80	9.29	0.75	-0.39	0.0	3.67e-03	-4.08e-04
75	87	8.33	1.65	-0.53	0.0	3.30e-03	-3.92e-04
75	99	1.64	1.67	-0.52	0.0	7.74e-04	-2.53e-05
75	119	15.21	2.72	-0.71	0.0	6.04e-03	-7.16e-04
75	120	15.86	1.75	-0.56	0.0	6.22e-03	-7.86e-04
75	146	2.46e-04	0.02	-0.33	0.0	0.0	0.0
75	151	2.04e-04	0.01	-0.27	0.0	0.0	0.0
75	156	1.94e-04	0.01	-0.25	0.0	0.0	0.0
76	4	7.60e-05	0.03	-0.09	0.0	0.0	0.0
76	16	1.67	-0.29	-0.08	0.0	2.87e-03	-9.02e-05
76	24	1.63	-0.33	-0.08	0.0	2.80e-03	-1.06e-04
76	29	-1.57	0.37	-0.02	0.0	-2.69e-03	9.47e-05
76	48	1.44	-0.25	-0.08	0.0	2.47e-03	-7.82e-05
76	56	1.34	-0.28	-0.08	0.0	2.30e-03	-8.87e-05
76	77	-0.27	0.32	-0.03	0.0	-4.63e-04	4.59e-06
76	80	1.26	-0.22	-0.07	0.0	2.15e-03	-6.81e-05
76	88	1.16	-0.24	-0.07	0.0	2.00e-03	-7.72e-05
76	109	-0.23	0.29	-0.03	0.0	-3.96e-04	3.52e-06
76	112	2.08	-0.36	-0.08	0.0	3.56e-03	-1.12e-04
76	120	2.07	-0.41	-0.08	0.0	3.55e-03	-1.33e-04
76	125	-1.99	0.45	-0.01	0.0	-3.42e-03	1.21e-04
76	146	5.32e-05	0.02	-0.06	0.0	0.0	0.0
76	151	4.39e-05	0.02	-0.05	0.0	0.0	0.0
76	156	4.16e-05	0.02	-0.05	0.0	0.0	0.0
77	4	7.35e-05	0.03	-0.05	0.0	0.0	0.0
77	16	1.72	-0.29	-0.01	0.0	2.95e-03	-9.01e-05
77	29	-1.62	0.37	-0.04	0.0	-2.78e-03	9.46e-05
77	48	1.49	-0.26	-0.01	0.0	2.54e-03	-7.82e-05
77	77	-0.28	0.32	-0.04	0.0	-4.75e-04	4.59e-06
77	80	1.29	-0.22	-0.01	0.0	2.21e-03	-6.81e-05
77	109	-0.24	0.29	-0.04	0.0	-4.06e-04	3.51e-06
77	120	2.15	-0.41	-5.06e-03	0.0	3.67e-03	-1.33e-04

77	125	-2.06	0.45	-0.05	0.0	-3.53e-03	1.20e-04
77	146	5.14e-05	0.02	-0.03	0.0	0.0	0.0
77	151	4.25e-05	0.02	-0.03	0.0	0.0	0.0
77	156	4.03e-05	0.02	-0.03	0.0	0.0	0.0
78	1	0.0	0.0	0.0	0.0	0.0	0.0
78	15	0.0	0.0	0.0	0.0	2.83e-03	-3.95e-06
78	47	0.0	0.0	0.0	0.0	2.41e-03	-3.29e-06
78	79	0.0	0.0	0.0	0.0	2.10e-03	-2.86e-06
78	111	0.0	0.0	0.0	0.0	3.53e-03	-4.95e-06
78	143	0.0	0.0	0.0	0.0	0.0	0.0
78	150	0.0	0.0	0.0	0.0	0.0	0.0
78	155	0.0	0.0	0.0	0.0	0.0	0.0
79	4	1.53e-04	0.05	-0.19	0.0	0.0	0.0
79	16	3.34	-0.59	-0.14	0.0	2.86e-03	-1.83e-04
79	28	3.13	-0.68	-0.15	0.0	2.68e-03	-1.92e-04
79	29	-3.13	0.74	-0.06	0.0	-2.68e-03	1.92e-04
79	48	2.88	-0.52	-0.15	0.0	2.46e-03	-1.58e-04
79	60	2.53	-0.59	-0.15	0.0	2.17e-03	-1.55e-04
79	77	-0.54	0.65	-0.07	0.0	-4.65e-04	9.46e-06
79	80	2.51	-0.45	-0.14	0.0	2.14e-03	-1.38e-04
79	92	2.19	-0.51	-0.15	0.0	1.88e-03	-1.34e-04
79	109	-0.46	0.58	-0.07	0.0	-3.97e-04	7.27e-06
79	112	4.15	-0.73	-0.15	0.0	3.55e-03	-2.26e-04
79	124	3.98	-0.86	-0.16	0.0	3.41e-03	-2.44e-04
79	125	-3.98	0.92	-0.05	0.0	-3.41e-03	2.44e-04
79	146	1.07e-04	0.04	-0.13	0.0	0.0	0.0
79	151	8.83e-05	0.03	-0.11	0.0	0.0	0.0
79	156	8.37e-05	0.03	-0.10	0.0	0.0	0.0
80	4	1.47e-04	0.05	-0.10	0.0	0.0	0.0
80	16	3.44	-0.59	-0.02	0.0	2.94e-03	-1.83e-04
80	29	-3.24	0.74	-0.09	0.0	-2.77e-03	1.92e-04
80	48	2.97	-0.52	-0.03	0.0	2.53e-03	-1.58e-04
80	77	-0.55	0.65	-0.08	0.0	-4.77e-04	9.46e-06
80	80	2.58	-0.45	-0.03	0.0	2.21e-03	-1.38e-04
80	109	-0.47	0.58	-0.08	0.0	-4.08e-04	7.27e-06
80	120	4.29	-0.84	-0.01	0.0	3.66e-03	-2.69e-04
80	125	-4.12	0.91	-0.09	0.0	-3.52e-03	2.44e-04
80	146	1.03e-04	0.04	-0.07	0.0	0.0	0.0
80	151	8.51e-05	0.03	-0.06	0.0	0.0	0.0
80	156	8.08e-05	0.03	-0.05	0.0	0.0	0.0
81	4	2.32e-04	0.07	-0.30	0.0	0.0	0.0
81	16	5.00	-0.90	-0.22	0.0	2.84e-03	-2.74e-04
81	28	4.69	-1.04	-0.23	0.0	2.67e-03	-2.87e-04
81	29	-4.69	1.12	-0.10	0.0	-2.67e-03	2.87e-04
81	48	4.31	-0.80	-0.23	0.0	2.45e-03	-2.37e-04
81	60	3.79	-0.89	-0.23	0.0	2.15e-03	-2.32e-04
81	77	-0.81	0.97	-0.11	0.0	-4.67e-04	1.46e-05
81	80	3.75	-0.70	-0.22	0.0	2.13e-03	-2.07e-04
81	92	3.28	-0.78	-0.23	0.0	1.87e-03	-2.01e-04
81	109	-0.69	0.87	-0.11	0.0	-4.00e-04	1.12e-05
81	112	6.21	-1.12	-0.23	0.0	3.53e-03	-3.39e-04
81	124	5.96	-1.31	-0.24	0.0	3.39e-03	-3.65e-04
81	125	-5.96	1.38	-0.09	0.0	-3.39e-03	3.65e-04
81	146	1.62e-04	0.05	-0.21	0.0	0.0	0.0
81	151	1.34e-04	0.04	-0.17	0.0	0.0	0.0
81	156	1.27e-04	0.04	-0.16	0.0	0.0	0.0
82	4	2.22e-04	0.07	-0.14	0.0	0.0	0.0
82	16	5.15	-0.90	-0.04	0.0	2.92e-03	-2.74e-04
82	29	-4.86	1.12	-0.12	0.0	-2.76e-03	2.87e-04
82	48	4.44	-0.80	-0.04	0.0	2.52e-03	-2.37e-04
82	77	-0.83	0.97	-0.12	0.0	-4.80e-04	1.46e-05
82	80	3.87	-0.70	-0.05	0.0	2.19e-03	-2.07e-04
82	109	-0.71	0.87	-0.12	0.0	-4.11e-04	1.12e-05
82	120	6.42	-1.29	-0.03	0.0	3.64e-03	-4.02e-04
82	125	-6.18	1.38	-0.13	0.0	-3.51e-03	3.65e-04
82	146	1.55e-04	0.05	-0.10	0.0	0.0	0.0
82	151	1.28e-04	0.04	-0.08	0.0	0.0	0.0
82	156	1.22e-04	0.04	-0.08	0.0	0.0	0.0
83	4	3.15e-04	0.07	-0.45	0.0	0.0	0.0
83	16	6.65	-1.22	-0.30	0.0	2.82e-03	-3.65e-04
83	27	6.50	-0.85	-0.34	0.0	2.76e-03	-4.25e-04
83	29	-6.24	1.49	-0.19	0.0	-2.65e-03	3.82e-04
83	48	5.73	-1.08	-0.30	0.0	2.43e-03	-3.17e-04
83	59	5.32	-0.63	-0.35	0.0	2.26e-03	-3.56e-04
83	77	-1.08	1.30	-0.29	0.0	-4.71e-04	2.00e-05

83	80	4.99	-0.94	-0.30	0.0	2.12e-03	-2.76e-04
83	91	4.62	-0.53	-0.34	0.0	1.96e-03	-3.09e-04
83	109	-0.93	1.15	-0.29	0.0	-4.03e-04	1.55e-05
83	112	8.26	-1.51	-0.31	0.0	3.51e-03	-4.52e-04
83	123	8.23	-1.12	-0.36	0.0	3.50e-03	-5.34e-04
83	125	-7.93	1.85	-0.18	0.0	-3.38e-03	4.86e-04
83	146	2.20e-04	0.05	-0.31	0.0	0.0	0.0
83	151	1.82e-04	0.04	-0.26	0.0	0.0	0.0
83	156	1.72e-04	0.04	-0.25	0.0	0.0	0.0
84	4	2.98e-04	0.07	-0.20	0.0	0.0	0.0
84	16	6.86	-1.22	-0.06	0.0	2.91e-03	-3.65e-04
84	29	-6.46	1.49	-0.16	0.0	-2.74e-03	3.81e-04
84	48	5.91	-1.09	-0.06	0.0	2.50e-03	-3.17e-04
84	77	-1.11	1.29	-0.16	0.0	-4.83e-04	2.00e-05
84	80	5.14	-0.94	-0.07	0.0	2.18e-03	-2.76e-04
84	109	-0.95	1.15	-0.15	0.0	-4.13e-04	1.55e-05
84	120	8.53	-1.74	-0.05	0.0	3.62e-03	-5.34e-04
84	125	-8.22	1.85	-0.17	0.0	-3.49e-03	4.86e-04
84	146	2.08e-04	0.05	-0.14	0.0	0.0	0.0
84	151	1.72e-04	0.04	-0.11	0.0	0.0	0.0
84	156	1.63e-04	0.04	-0.11	0.0	0.0	0.0
85	4	4.06e-04	0.07	-0.68	0.0	0.0	0.0
85	16	8.29	-1.55	-0.23	0.0	2.81e-03	-4.59e-04
85	29	-7.78	1.86	-0.54	0.0	-2.64e-03	4.78e-04
85	48	7.14	-1.37	-0.23	0.0	2.42e-03	-3.98e-04
85	61	-6.28	1.61	-0.53	0.0	-2.13e-03	3.86e-04
85	77	-1.36	1.61	-0.53	0.0	-4.73e-04	2.60e-05
85	80	6.22	-1.20	-0.25	0.0	2.10e-03	-3.46e-04
85	93	-5.45	1.41	-0.52	0.0	-1.85e-03	3.34e-04
85	109	-1.16	1.43	-0.52	0.0	-4.05e-04	2.03e-05
85	112	10.29	-1.91	-0.21	0.0	3.49e-03	-5.68e-04
85	125	-9.90	2.31	-0.57	0.0	-3.36e-03	6.09e-04
85	146	2.83e-04	0.05	-0.47	0.0	0.0	0.0
85	151	2.34e-04	0.04	-0.39	0.0	0.0	0.0
85	156	2.22e-04	0.04	-0.37	0.0	0.0	0.0
86	4	3.74e-04	0.07	-0.27	0.0	0.0	0.0
86	16	8.55	-1.55	-0.10	0.0	2.89e-03	-4.59e-04
86	29	-8.06	1.86	-0.20	0.0	-2.73e-03	4.78e-04
86	48	7.36	-1.37	-0.10	0.0	2.49e-03	-3.97e-04
86	61	-6.51	1.60	-0.20	0.0	-2.20e-03	3.86e-04
86	77	-1.40	1.61	-0.20	0.0	-4.86e-04	2.60e-05
86	80	6.41	-1.20	-0.11	0.0	2.17e-03	-3.46e-04
86	93	-5.64	1.41	-0.19	0.0	-1.91e-03	3.34e-04
86	109	-1.20	1.43	-0.19	0.0	-4.16e-04	2.03e-05
86	120	10.64	-2.19	-0.09	0.0	3.60e-03	-6.69e-04
86	125	-10.25	2.30	-0.21	0.0	-3.48e-03	6.09e-04
86	146	2.62e-04	0.05	-0.19	0.0	0.0	0.0
86	151	2.16e-04	0.04	-0.16	0.0	0.0	0.0
86	156	2.05e-04	0.04	-0.15	0.0	0.0	0.0
87	4	5.20e-04	0.02	-1.10	5.78e-04	-1.31e-06	0.0
87	16	9.92	-1.90	-0.38	2.24e-04	4.10e-03	-5.10e-04
87	29	-9.31	2.20	-0.87	4.38e-04	-3.84e-03	5.36e-04
87	48	8.54	-1.69	-0.38	2.23e-04	3.49e-03	-4.43e-04
87	61	-7.52	1.90	-0.86	4.36e-04	-3.08e-03	4.32e-04
87	77	-1.63	1.89	-0.86	4.63e-04	-8.09e-04	2.23e-05
87	80	7.44	-1.48	-0.41	2.34e-04	3.04e-03	-3.86e-04
87	109	-1.40	1.68	-0.83	4.47e-04	-6.98e-04	1.65e-05
87	112	12.32	-2.34	-0.33	2.07e-04	5.10e-03	-6.31e-04
87	125	-11.85	2.74	-0.93	4.63e-04	-4.89e-03	6.82e-04
87	146	3.63e-04	0.01	-0.77	4.05e-04	0.0	0.0
87	151	3.00e-04	8.71e-03	-0.64	3.34e-04	0.0	0.0
87	156	2.84e-04	8.25e-03	-0.61	3.18e-04	0.0	0.0
88	4	4.43e-04	0.02	-0.43	5.76e-04	-1.31e-06	0.0
88	16	10.23	-1.90	-0.20	2.10e-04	4.10e-03	-5.51e-04
88	29	-9.65	2.19	-0.28	4.48e-04	-3.84e-03	5.72e-04
88	48	8.81	-1.69	-0.20	2.11e-04	3.49e-03	-4.77e-04
88	61	-7.79	1.89	-0.28	4.43e-04	-3.08e-03	4.62e-04
88	80	7.67	-1.47	-0.20	2.23e-04	3.04e-03	-4.15e-04
88	93	-6.75	1.65	-0.28	4.29e-04	-2.66e-03	4.00e-04
88	109	-1.44	1.67	-0.28	4.43e-04	-6.98e-04	2.51e-05
88	120	12.73	-2.67	-0.19	1.66e-04	4.98e-03	-8.01e-04
88	125	-12.28	2.73	-0.29	4.75e-04	-4.89e-03	7.29e-04
88	146	3.10e-04	0.01	-0.30	4.04e-04	0.0	0.0
88	151	2.56e-04	9.23e-03	-0.25	3.33e-04	0.0	0.0
88	156	2.43e-04	8.75e-03	-0.24	3.17e-04	0.0	0.0

89	4	7.09e-05	0.03	-0.02	0.0	0.0	0.0
89	16	1.77	-0.29	-0.01	0.0	3.04e-03	-9.01e-05
89	28	1.68	-0.33	-0.01	0.0	2.87e-03	-9.45e-05
89	29	-1.68	0.37	-0.01	0.0	-2.87e-03	9.46e-05
89	48	1.53	-0.26	-0.01	0.0	2.62e-03	-7.81e-05
89	60	1.36	-0.29	-0.01	0.0	2.32e-03	-7.64e-05
89	77	-0.28	0.32	-0.01	0.0	-4.88e-04	4.58e-06
89	80	1.33	-0.22	-0.01	0.0	2.28e-03	-6.80e-05
89	92	1.18	-0.25	-0.01	0.0	2.01e-03	-6.62e-05
89	109	-0.24	0.29	-0.01	0.0	-4.17e-04	3.51e-06
89	120	2.22	-0.41	-0.01	0.0	3.80e-03	-1.33e-04
89	124	2.14	-0.42	-0.01	0.0	3.66e-03	-1.20e-04
89	125	-2.14	0.45	-0.01	0.0	-3.66e-03	1.20e-04
89	146	4.96e-05	0.02	-0.02	0.0	0.0	0.0
89	151	4.10e-05	0.02	-0.01	0.0	0.0	0.0
89	156	3.89e-05	0.02	-0.01	0.0	0.0	0.0
90	1	0.0	0.0	0.0	0.0	0.0	0.0
90	15	0.0	0.0	0.0	0.0	2.91e-03	-4.00e-06
90	47	0.0	0.0	0.0	0.0	2.48e-03	-3.33e-06
90	79	0.0	0.0	0.0	0.0	2.16e-03	-2.89e-06
90	111	0.0	0.0	0.0	0.0	3.63e-03	-5.01e-06
90	143	0.0	0.0	0.0	0.0	0.0	0.0
90	150	0.0	0.0	0.0	0.0	0.0	0.0
90	155	0.0	0.0	0.0	0.0	0.0	0.0
91	4	1.42e-04	0.05	-0.04	0.0	0.0	0.0
91	16	3.54	-0.59	-0.03	0.0	3.03e-03	-1.83e-04
91	28	3.35	-0.68	-0.03	0.0	2.87e-03	-1.92e-04
91	29	-3.35	0.74	-0.02	0.0	-2.87e-03	1.92e-04
91	48	3.05	-0.52	-0.03	0.0	2.61e-03	-1.58e-04
91	60	2.71	-0.59	-0.03	0.0	2.31e-03	-1.55e-04
91	77	-0.57	0.64	-0.02	0.0	-4.90e-04	9.46e-06
91	80	2.66	-0.45	-0.03	0.0	2.27e-03	-1.38e-04
91	92	2.35	-0.51	-0.03	0.0	2.01e-03	-1.34e-04
91	109	-0.49	0.57	-0.02	0.0	-4.19e-04	7.27e-06
91	120	4.44	-0.84	-0.03	0.0	3.79e-03	-2.69e-04
91	124	4.27	-0.86	-0.03	0.0	3.65e-03	-2.44e-04
91	125	-4.27	0.91	-0.02	0.0	-3.65e-03	2.44e-04
91	146	9.91e-05	0.03	-0.03	0.0	0.0	0.0
91	151	8.19e-05	0.03	-0.03	0.0	0.0	0.0
91	156	7.77e-05	0.03	-0.02	0.0	0.0	0.0
92	4	2.12e-04	0.06	-0.06	0.0	0.0	0.0
92	16	5.31	-0.90	-0.03	0.0	3.01e-03	-2.74e-04
92	29	-5.02	1.11	-0.04	0.0	-2.85e-03	2.86e-04
92	30	-5.24	0.70	-0.04	0.0	-2.97e-03	3.19e-04
92	48	4.57	-0.80	-0.03	0.0	2.59e-03	-2.37e-04
92	62	-4.30	0.53	-0.04	0.0	-2.43e-03	2.68e-04
92	77	-0.86	0.97	-0.03	0.0	-4.92e-04	1.46e-05
92	80	3.98	-0.70	-0.03	0.0	2.26e-03	-2.07e-04
92	94	-3.73	0.46	-0.04	0.0	-2.11e-03	2.33e-04
92	109	-0.73	0.86	-0.03	0.0	-4.21e-04	1.12e-05
92	120	6.64	-1.29	-0.03	0.0	3.77e-03	-4.02e-04
92	125	-6.39	1.38	-0.04	0.0	-3.63e-03	3.65e-04
92	126	-6.64	0.90	-0.04	0.0	-3.77e-03	4.02e-04
92	146	1.48e-04	0.04	-0.04	0.0	0.0	0.0
92	151	1.23e-04	0.04	-0.04	0.0	0.0	0.0
92	156	1.16e-04	0.03	-0.04	0.0	0.0	0.0
93	4	2.81e-04	0.07	-0.09	0.0	0.0	0.0
93	16	7.06	-1.22	-0.04	0.0	3.00e-03	-3.65e-04
93	29	-6.68	1.49	-0.05	0.0	-2.84e-03	3.81e-04
93	30	-6.97	0.93	-0.05	0.0	-2.96e-03	4.24e-04
93	48	6.08	-1.09	-0.04	0.0	2.58e-03	-3.16e-04
93	62	-5.71	0.71	-0.05	0.0	-2.42e-03	3.55e-04
93	77	-1.14	1.29	-0.05	0.0	-4.95e-04	2.00e-05
93	80	5.30	-0.95	-0.04	0.0	2.25e-03	-2.75e-04
93	94	-4.96	0.61	-0.05	0.0	-2.10e-03	3.09e-04
93	109	-0.98	1.15	-0.05	0.0	-4.24e-04	1.55e-05
93	120	8.83	-1.74	-0.04	0.0	3.75e-03	-5.34e-04
93	125	-8.50	1.85	-0.05	0.0	-3.62e-03	4.85e-04
93	126	-8.83	1.20	-0.05	0.0	-3.75e-03	5.34e-04
93	146	1.97e-04	0.05	-0.06	0.0	0.0	0.0
93	151	1.62e-04	0.04	-0.05	0.0	0.0	0.0
93	156	1.54e-04	0.04	-0.05	0.0	0.0	0.0
94	4	3.47e-04	0.06	-0.12	0.0	0.0	0.0
94	16	8.80	-1.55	-0.06	0.0	2.99e-03	-4.58e-04
94	29	-8.34	1.85	-0.07	0.0	-2.83e-03	4.77e-04

94	48	7.58	-1.38	-0.06	0.0	2.57e-03	-3.97e-04
94	61	-6.73	1.60	-0.07	0.0	-2.28e-03	3.85e-04
94	77	-1.43	1.60	-0.07	0.0	-4.98e-04	2.60e-05
94	80	6.60	-1.20	-0.06	0.0	2.24e-03	-3.46e-04
94	93	-5.83	1.40	-0.07	0.0	-1.98e-03	3.34e-04
94	109	-1.23	1.42	-0.07	0.0	-4.26e-04	2.03e-05
94	120	11.01	-2.19	-0.06	0.0	3.73e-03	-6.68e-04
94	125	-10.61	2.30	-0.07	0.0	-3.60e-03	6.08e-04
94	146	2.43e-04	0.04	-0.08	0.0	0.0	0.0
94	151	2.01e-04	0.04	-0.07	0.0	0.0	0.0
94	156	1.90e-04	0.03	-0.06	0.0	0.0	0.0
95	4	4.10e-04	0.02	-0.19	4.60e-04	-1.31e-06	0.0
95	16	10.54	-1.89	-0.09	1.75e-04	4.10e-03	-5.50e-04
95	29	-9.98	2.19	-0.11	3.47e-04	-3.84e-03	5.71e-04
95	48	9.08	-1.68	-0.09	1.76e-04	3.49e-03	-4.76e-04
95	61	-8.06	1.89	-0.11	3.43e-04	-3.08e-03	4.61e-04
95	80	7.90	-1.47	-0.09	1.85e-04	3.04e-03	-4.15e-04
95	93	-6.98	1.65	-0.11	3.33e-04	-2.66e-03	3.99e-04
95	109	-1.47	1.67	-0.11	3.42e-04	-6.98e-04	2.52e-05
95	120	13.18	-2.66	-0.09	1.45e-04	4.98e-03	-7.99e-04
95	125	-12.70	2.73	-0.11	3.66e-04	-4.89e-03	7.27e-04
95	146	2.87e-04	0.01	-0.13	3.22e-04	0.0	0.0
95	151	2.37e-04	9.84e-03	-0.11	2.66e-04	0.0	0.0
95	156	2.25e-04	9.33e-03	-0.10	2.53e-04	0.0	0.0
96	3	6.48e-05	0.03	-0.01	0.0	0.0	0.0
96	4	6.81e-05	0.03	-0.01	0.0	0.0	0.0
96	16	1.83	-0.29	-6.56e-03	0.0	3.13e-03	-9.00e-05
96	29	-1.73	0.36	-4.85e-03	0.0	-2.97e-03	9.45e-05
96	44	0.40	-0.30	-6.89e-03	0.0	6.89e-04	-1.17e-05
96	48	1.57	-0.26	-6.58e-03	0.0	2.69e-03	-7.80e-05
96	76	0.29	-0.29	-6.92e-03	0.0	4.99e-04	-4.58e-06
96	77	-0.29	0.32	-4.67e-03	0.0	-4.99e-04	4.59e-06
96	80	1.37	-0.22	-6.50e-03	0.0	2.35e-03	-6.80e-05
96	108	0.25	-0.26	-6.80e-03	0.0	4.26e-04	-3.51e-06
96	109	-0.25	0.28	-4.79e-03	0.0	-4.26e-04	3.51e-06
96	120	2.30	-0.41	-6.88e-03	0.0	3.93e-03	-1.33e-04
96	125	-2.21	0.45	-4.66e-03	0.0	-3.78e-03	1.20e-04
96	140	0.53	-0.36	-7.08e-03	0.0	9.04e-04	-1.74e-05
96	145	4.54e-05	0.02	-7.14e-03	0.0	0.0	0.0
96	146	4.77e-05	0.02	-7.06e-03	0.0	0.0	0.0
96	151	3.94e-05	0.02	-6.13e-03	0.0	0.0	0.0
96	156	3.74e-05	0.01	-5.80e-03	0.0	0.0	0.0
97	1	0.0	0.0	0.0	0.0	0.0	0.0
97	15	0.0	0.0	0.0	0.0	2.99e-03	-3.99e-06
97	47	0.0	0.0	0.0	0.0	2.55e-03	-3.33e-06
97	79	0.0	0.0	0.0	0.0	2.22e-03	-2.89e-06
97	111	0.0	0.0	0.0	0.0	3.73e-03	-5.00e-06
97	143	0.0	0.0	0.0	0.0	0.0	0.0
97	150	0.0	0.0	0.0	0.0	0.0	0.0
97	155	0.0	0.0	0.0	0.0	0.0	0.0
98	3	1.29e-04	0.05	-0.02	0.0	0.0	0.0
98	4	1.36e-04	0.05	-0.02	0.0	0.0	0.0
98	16	3.65	-0.59	-0.01	0.0	3.12e-03	-1.83e-04
98	29	-3.46	0.74	-8.62e-03	0.0	-2.96e-03	1.91e-04
98	44	0.80	-0.60	-0.01	0.0	6.90e-04	-2.39e-05
98	48	3.14	-0.52	-0.01	0.0	2.68e-03	-1.58e-04
98	76	0.58	-0.59	-0.01	0.0	5.01e-04	-9.45e-06
98	77	-0.58	0.64	-8.27e-03	0.0	-5.01e-04	9.47e-06
98	80	2.74	-0.46	-0.01	0.0	2.34e-03	-1.38e-04
98	108	0.50	-0.52	-0.01	0.0	4.28e-04	-7.26e-06
98	109	-0.50	0.57	-8.54e-03	0.0	-4.28e-04	7.27e-06
98	120	4.59	-0.84	-0.01	0.0	3.92e-03	-2.69e-04
98	125	-4.41	0.91	-8.18e-03	0.0	-3.77e-03	2.44e-04
98	140	1.05	-0.72	-0.01	0.0	9.05e-04	-3.54e-05
98	145	9.05e-05	0.03	-0.01	0.0	0.0	0.0
98	146	9.50e-05	0.03	-0.01	0.0	0.0	0.0
98	151	7.85e-05	0.03	-0.01	0.0	0.0	0.0
98	156	7.45e-05	0.03	-0.01	0.0	0.0	0.0
99	3	1.92e-04	0.06	-0.03	0.0	0.0	0.0
99	4	2.02e-04	0.06	-0.03	0.0	0.0	0.0
99	16	5.46	-0.90	-0.02	0.0	3.10e-03	-2.73e-04
99	29	-5.19	1.11	-0.01	0.0	-2.95e-03	2.86e-04
99	44	1.21	-0.92	-0.02	0.0	6.92e-04	-3.61e-05
99	48	4.71	-0.80	-0.02	0.0	2.67e-03	-2.37e-04
99	76	0.87	-0.90	-0.02	0.0	5.04e-04	-1.45e-05

99	77	-0.87	0.97	-0.01	0.0	-5.03e-04	1.46e-05
99	80	4.10	-0.70	-0.02	0.0	2.33e-03	-2.06e-04
99	108	0.75	-0.79	-0.02	0.0	4.31e-04	-1.12e-05
99	109	-0.75	0.86	-0.01	0.0	-4.30e-04	1.12e-05
99	120	6.87	-1.29	-0.02	0.0	3.90e-03	-4.01e-04
99	125	-6.60	1.38	-0.01	0.0	-3.75e-03	3.64e-04
99	140	1.58	-1.10	-0.02	0.0	9.06e-04	-5.34e-05
99	145	1.35e-04	0.04	-0.02	0.0	0.0	0.0
99	146	1.42e-04	0.04	-0.02	0.0	0.0	0.0
99	151	1.17e-04	0.04	-0.02	0.0	0.0	0.0
99	156	1.11e-04	0.03	-0.01	0.0	0.0	0.0
100	3	2.53e-04	0.06	-0.03	0.0	0.0	0.0
100	4	2.67e-04	0.07	-0.03	0.0	0.0	0.0
100	16	7.27	-1.23	-0.02	0.0	3.09e-03	-3.64e-04
100	29	-6.90	1.48	-0.01	0.0	-2.93e-03	3.80e-04
100	44	1.61	-1.24	-0.02	0.0	6.94e-04	-4.87e-05
100	48	6.26	-1.09	-0.02	0.0	2.66e-03	-3.16e-04
100	76	1.17	-1.22	-0.02	0.0	5.07e-04	-2.00e-05
100	77	-1.17	1.29	-0.01	0.0	-5.06e-04	2.00e-05
100	80	5.45	-0.95	-0.02	0.0	2.31e-03	-2.75e-04
100	108	1.00	-1.07	-0.02	0.0	4.33e-04	-1.55e-05
100	109	-1.00	1.15	-0.01	0.0	-4.33e-04	1.55e-05
100	120	9.13	-1.74	-0.02	0.0	3.88e-03	-5.33e-04
100	125	-8.79	1.84	-0.01	0.0	-3.74e-03	4.84e-04
100	140	2.11	-1.49	-0.03	0.0	9.08e-04	-7.17e-05
100	145	1.78e-04	0.04	-0.02	0.0	0.0	0.0
100	146	1.87e-04	0.05	-0.02	0.0	0.0	0.0
100	151	1.54e-04	0.04	-0.02	0.0	0.0	0.0
100	156	1.46e-04	0.04	-0.02	0.0	0.0	0.0
101	3	3.12e-04	0.05	-0.04	0.0	0.0	0.0
101	4	3.28e-04	0.06	-0.04	0.0	0.0	0.0
101	16	9.06	-1.55	-0.03	0.0	3.08e-03	-4.57e-04
101	29	-8.61	1.85	-0.01	0.0	-2.92e-03	4.76e-04
101	44	2.02	-1.57	-0.03	0.0	6.96e-04	-6.18e-05
101	48	7.80	-1.38	-0.03	0.0	2.64e-03	-3.96e-04
101	76	1.47	-1.54	-0.03	0.0	5.09e-04	-2.60e-05
101	77	-1.47	1.60	-0.01	0.0	-5.09e-04	2.60e-05
101	80	6.80	-1.20	-0.03	0.0	2.30e-03	-3.45e-04
101	108	1.25	-1.36	-0.03	0.0	4.36e-04	-2.02e-05
101	109	-1.25	1.42	-0.01	0.0	-4.36e-04	2.03e-05
101	120	11.39	-2.20	-0.03	0.0	3.86e-03	-6.66e-04
101	125	-10.96	2.30	-0.01	0.0	-3.72e-03	6.06e-04
101	140	2.64	-1.88	-0.03	0.0	9.10e-04	-9.08e-05
101	145	2.19e-04	0.04	-0.03	0.0	0.0	0.0
101	146	2.30e-04	0.04	-0.03	0.0	0.0	0.0
101	151	1.90e-04	0.03	-0.02	0.0	0.0	0.0
101	156	1.80e-04	0.03	-0.02	0.0	0.0	0.0
102	3	3.68e-04	0.02	-0.06	3.96e-04	-1.42e-06	0.0
102	4	3.87e-04	0.02	-0.06	4.19e-04	-1.31e-06	0.0
102	16	10.85	-1.89	-0.04	1.62e-04	4.10e-03	-5.48e-04
102	29	-10.31	2.19	-0.02	3.11e-04	-3.84e-03	5.70e-04
102	44	2.42	-1.90	-0.04	1.46e-04	1.04e-03	-7.49e-05
102	48	9.34	-1.68	-0.04	1.63e-04	3.49e-03	-4.75e-04
102	61	-8.32	1.89	-0.02	3.08e-04	-3.08e-03	4.60e-04
102	76	1.76	-1.86	-0.04	1.44e-04	8.07e-04	-3.20e-05
102	80	8.14	-1.47	-0.04	1.71e-04	3.04e-03	-4.14e-04
102	108	1.51	-1.65	-0.04	1.53e-04	6.96e-04	-2.51e-05
102	109	-1.51	1.67	-0.02	3.06e-04	-6.98e-04	2.51e-05
102	120	13.63	-2.66	-0.04	1.36e-04	4.98e-03	-7.97e-04
102	125	-13.13	2.72	-0.02	3.28e-04	-4.89e-03	7.26e-04
102	140	3.17	-2.27	-0.05	1.31e-04	1.33e-03	-1.10e-04
102	145	2.58e-04	0.01	-0.04	2.78e-04	0.0	0.0
102	146	2.71e-04	0.01	-0.04	2.93e-04	0.0	0.0
102	151	2.24e-04	0.01	-0.04	2.42e-04	0.0	0.0
102	156	2.13e-04	9.86e-03	-0.03	2.30e-04	0.0	0.0
103	4	6.52e-05	0.03	-0.01	0.0	0.0	0.0
103	16	1.88	-0.29	-8.35e-03	0.0	3.21e-03	-9.00e-05
103	28	1.79	-0.34	-8.51e-03	0.0	3.06e-03	-9.45e-05
103	29	-1.79	0.36	-5.98e-03	0.0	-3.06e-03	9.45e-05
103	48	1.62	-0.26	-8.27e-03	0.0	2.77e-03	-7.80e-05
103	60	1.45	-0.29	-8.38e-03	0.0	2.47e-03	-7.64e-05
103	77	-0.30	0.32	-6.13e-03	0.0	-5.09e-04	4.60e-06
103	80	1.41	-0.22	-8.15e-03	0.0	2.41e-03	-6.80e-05
103	92	1.25	-0.25	-8.25e-03	0.0	2.14e-03	-6.62e-05
103	109	-0.25	0.28	-6.25e-03	0.0	-4.35e-04	3.52e-06

103	120	2.37	-0.41	-8.76e-03	0.0	4.06e-03	-1.33e-04
103	124	2.28	-0.42	-8.81e-03	0.0	3.90e-03	-1.20e-04
103	125	-2.28	0.45	-5.68e-03	0.0	-3.90e-03	1.20e-04
103	146	4.56e-05	0.02	-8.93e-03	0.0	0.0	0.0
103	151	3.77e-05	0.01	-7.65e-03	0.0	0.0	0.0
103	156	3.58e-05	0.01	-7.24e-03	0.0	0.0	0.0
104	1	0.0	0.0	0.0	0.0	0.0	0.0
104	15	0.0	0.0	0.0	0.0	3.08e-03	-3.99e-06
104	47	0.0	0.0	0.0	0.0	2.62e-03	-3.33e-06
104	79	0.0	0.0	0.0	0.0	2.28e-03	-2.89e-06
104	111	0.0	0.0	0.0	0.0	3.83e-03	-5.00e-06
104	143	0.0	0.0	0.0	0.0	0.0	0.0
104	150	0.0	0.0	0.0	0.0	0.0	0.0
104	155	0.0	0.0	0.0	0.0	0.0	0.0
105	4	1.30e-04	0.05	-0.02	0.0	0.0	0.0
105	16	3.75	-0.59	-0.02	0.0	3.20e-03	-1.82e-04
105	28	3.58	-0.68	-0.02	0.0	3.06e-03	-1.91e-04
105	29	-3.58	0.74	-0.01	0.0	-3.06e-03	1.91e-04
105	48	3.23	-0.52	-0.02	0.0	2.76e-03	-1.58e-04
105	60	2.89	-0.59	-0.02	0.0	2.47e-03	-1.55e-04
105	77	-0.59	0.64	-0.01	0.0	-5.11e-04	9.48e-06
105	80	2.81	-0.46	-0.02	0.0	2.40e-03	-1.38e-04
105	92	2.50	-0.51	-0.02	0.0	2.14e-03	-1.34e-04
105	109	-0.51	0.57	-0.01	0.0	-4.37e-04	7.29e-06
105	120	4.74	-0.84	-0.02	0.0	4.05e-03	-2.68e-04
105	124	4.55	-0.86	-0.02	0.0	3.89e-03	-2.44e-04
105	125	-4.55	0.91	-0.01	0.0	-3.89e-03	2.44e-04
105	146	9.09e-05	0.03	-0.02	0.0	0.0	0.0
105	151	7.51e-05	0.03	-0.01	0.0	0.0	0.0
105	156	7.13e-05	0.03	-0.01	0.0	0.0	0.0
106	4	1.93e-04	0.06	-0.04	0.0	0.0	0.0
106	16	5.62	-0.91	-0.02	0.0	3.19e-03	-2.73e-04
106	28	5.36	-1.04	-0.02	0.0	3.04e-03	-2.86e-04
106	29	-5.35	1.11	-0.02	0.0	-3.04e-03	2.86e-04
106	48	4.84	-0.80	-0.02	0.0	2.75e-03	-2.37e-04
106	60	4.32	-0.90	-0.02	0.0	2.45e-03	-2.31e-04
106	77	-0.89	0.97	-0.02	0.0	-5.14e-04	1.46e-05
106	80	4.21	-0.70	-0.02	0.0	2.39e-03	-2.06e-04
106	92	3.75	-0.78	-0.02	0.0	2.13e-03	-2.00e-04
106	109	-0.76	0.86	-0.02	0.0	-4.39e-04	1.13e-05
106	120	7.09	-1.29	-0.02	0.0	4.03e-03	-4.01e-04
106	124	6.81	-1.31	-0.02	0.0	3.87e-03	-3.64e-04
106	125	-6.81	1.38	-0.02	0.0	-3.87e-03	3.64e-04
106	146	1.35e-04	0.04	-0.03	0.0	0.0	0.0
106	151	1.12e-04	0.03	-0.02	0.0	0.0	0.0
106	156	1.06e-04	0.03	-0.02	0.0	0.0	0.0
107	4	2.56e-04	0.06	-0.05	0.0	0.0	0.0
107	16	7.47	-1.23	-0.03	0.0	3.18e-03	-3.63e-04
107	28	7.13	-1.41	-0.03	0.0	3.03e-03	-3.80e-04
107	29	-7.13	1.48	-0.02	0.0	-3.03e-03	3.80e-04
107	48	6.44	-1.09	-0.03	0.0	2.73e-03	-3.15e-04
107	60	5.75	-1.21	-0.03	0.0	2.44e-03	-3.06e-04
107	77	-1.19	1.29	-0.03	0.0	-5.17e-04	2.01e-05
107	80	5.61	-0.95	-0.03	0.0	2.38e-03	-2.74e-04
107	92	4.98	-1.06	-0.03	0.0	2.11e-03	-2.65e-04
107	109	-1.02	1.14	-0.03	0.0	-4.42e-04	1.56e-05
107	120	9.43	-1.74	-0.03	0.0	4.00e-03	-5.32e-04
107	124	9.07	-1.77	-0.03	0.0	3.86e-03	-4.83e-04
107	125	-9.07	1.84	-0.02	0.0	-3.86e-03	4.83e-04
107	146	1.79e-04	0.04	-0.04	0.0	0.0	0.0
107	151	1.48e-04	0.04	-0.03	0.0	0.0	0.0
107	156	1.40e-04	0.03	-0.03	0.0	0.0	0.0
108	4	3.17e-04	0.05	-0.07	0.0	0.0	0.0
108	16	9.32	-1.55	-0.04	0.0	3.16e-03	-4.55e-04
108	28	8.89	-1.79	-0.04	0.0	3.02e-03	-4.74e-04
108	29	-8.89	1.84	-0.03	0.0	-3.02e-03	4.74e-04
108	48	8.03	-1.38	-0.04	0.0	2.72e-03	-3.94e-04
108	60	7.17	-1.54	-0.04	0.0	2.43e-03	-3.82e-04
108	77	-1.50	1.59	-0.04	0.0	-5.20e-04	2.60e-05
108	80	6.99	-1.20	-0.04	0.0	2.37e-03	-3.43e-04
108	92	6.21	-1.34	-0.04	0.0	2.11e-03	-3.31e-04
108	109	-1.28	1.42	-0.04	0.0	-4.44e-04	2.03e-05
108	120	11.76	-2.20	-0.04	0.0	3.99e-03	-6.64e-04
108	124	11.31	-2.24	-0.04	0.0	3.84e-03	-6.04e-04
108	125	-11.31	2.29	-0.03	0.0	-3.84e-03	6.04e-04

108	146	2.22e-04	0.04	-0.05	0.0	0.0	0.0
108	151	1.83e-04	0.03	-0.04	0.0	0.0	0.0
108	156	1.74e-04	0.03	-0.04	0.0	0.0	0.0
109	4	3.78e-04	0.02	-0.11	0.0	0.0	0.0
109	16	11.16	-1.88	-0.06	0.0	3.16e-03	-5.40e-04
109	28	10.64	-2.16	-0.06	0.0	3.01e-03	-5.61e-04
109	29	-10.64	2.18	-0.05	0.0	-3.01e-03	5.61e-04
109	48	9.61	-1.68	-0.06	0.0	2.72e-03	-4.68e-04
109	60	8.58	-1.86	-0.06	0.0	2.43e-03	-4.52e-04
109	61	-8.58	1.88	-0.05	0.0	-2.43e-03	4.52e-04
109	80	8.37	-1.46	-0.06	0.0	2.36e-03	-4.07e-04
109	92	7.44	-1.63	-0.06	0.0	2.10e-03	-3.92e-04
109	109	-1.54	1.67	-0.06	0.0	-4.45e-04	2.48e-05
109	120	14.08	-2.65	-0.06	0.0	3.98e-03	-7.85e-04
109	124	13.55	-2.70	-0.06	0.0	3.83e-03	-7.15e-04
109	125	-13.55	2.72	-0.05	0.0	-3.83e-03	7.15e-04
109	146	2.64e-04	0.01	-0.07	0.0	0.0	0.0
109	151	2.19e-04	0.01	-0.06	0.0	0.0	0.0
109	156	2.08e-04	0.01	-0.06	0.0	0.0	0.0
110	4	6.25e-05	0.02	-0.02	0.0	0.0	0.0
110	24	1.93	-0.33	-0.02	0.0	3.31e-03	-1.06e-04
110	28	1.85	-0.33	-0.02	0.0	3.16e-03	-9.45e-05
110	29	-1.85	0.36	-3.65e-03	0.0	-3.16e-03	9.45e-05
110	48	1.66	-0.26	-0.02	0.0	2.85e-03	-7.80e-05
110	60	1.49	-0.29	-0.02	0.0	2.55e-03	-7.64e-05
110	77	-0.30	0.32	-5.39e-03	0.0	-5.19e-04	4.61e-06
110	80	1.45	-0.22	-0.02	0.0	2.48e-03	-6.79e-05
110	92	1.29	-0.25	-0.02	0.0	2.21e-03	-6.62e-05
110	109	-0.26	0.28	-6.10e-03	0.0	-4.43e-04	3.53e-06
110	120	2.45	-0.41	-0.02	0.0	4.19e-03	-1.33e-04
110	124	2.35	-0.42	-0.02	0.0	4.02e-03	-1.20e-04
110	125	-2.35	0.45	-1.70e-03	0.0	-4.02e-03	1.20e-04
110	146	4.37e-05	0.02	-0.01	0.0	0.0	0.0
110	151	3.61e-05	0.01	-0.01	0.0	0.0	0.0
110	156	3.43e-05	0.01	-0.01	0.0	0.0	0.0
111	1	0.0	0.0	0.0	0.0	0.0	0.0
111	15	0.0	0.0	0.0	0.0	3.16e-03	-3.99e-06
111	47	0.0	0.0	0.0	0.0	2.68e-03	-3.33e-06
111	79	0.0	0.0	0.0	0.0	2.33e-03	-2.88e-06
111	111	0.0	0.0	0.0	0.0	3.93e-03	-5.00e-06
111	143	0.0	0.0	0.0	0.0	0.0	0.0
111	150	0.0	0.0	0.0	0.0	0.0	0.0
111	155	0.0	0.0	0.0	0.0	0.0	0.0
112	4	1.25e-04	0.05	-0.04	0.0	0.0	0.0
112	24	3.86	-0.67	-0.04	0.0	3.30e-03	-2.13e-04
112	28	3.69	-0.68	-0.04	0.0	3.15e-03	-1.91e-04
112	29	-3.69	0.73	-6.87e-03	0.0	-3.15e-03	1.91e-04
112	48	3.32	-0.52	-0.04	0.0	2.84e-03	-1.58e-04
112	60	2.98	-0.59	-0.04	0.0	2.54e-03	-1.55e-04
112	77	-0.61	0.64	-0.01	0.0	-5.21e-04	9.50e-06
112	80	2.89	-0.46	-0.03	0.0	2.47e-03	-1.38e-04
112	92	2.58	-0.51	-0.03	0.0	2.20e-03	-1.34e-04
112	109	-0.52	0.57	-0.01	0.0	-4.45e-04	7.31e-06
112	120	4.89	-0.84	-0.04	0.0	4.17e-03	-2.68e-04
112	124	4.69	-0.86	-0.04	0.0	4.01e-03	-2.43e-04
112	125	-4.69	0.91	-3.00e-03	0.0	-4.01e-03	2.43e-04
112	146	8.72e-05	0.03	-0.03	0.0	0.0	0.0
112	151	7.21e-05	0.03	-0.02	0.0	0.0	0.0
112	156	6.85e-05	0.02	-0.02	0.0	0.0	0.0
113	4	1.86e-04	0.06	-0.06	0.0	0.0	0.0
113	24	5.78	-1.02	-0.06	0.0	3.28e-03	-3.18e-04
113	28	5.52	-1.04	-0.06	0.0	3.14e-03	-2.85e-04
113	29	-5.52	1.11	-0.01	0.0	-3.14e-03	2.85e-04
113	48	4.97	-0.80	-0.05	0.0	2.82e-03	-2.36e-04
113	60	4.46	-0.90	-0.05	0.0	2.53e-03	-2.31e-04
113	77	-0.91	0.96	-0.02	0.0	-5.24e-04	1.46e-05
113	80	4.33	-0.70	-0.05	0.0	2.46e-03	-2.06e-04
113	92	3.86	-0.78	-0.05	0.0	2.19e-03	-2.00e-04
113	109	-0.78	0.86	-0.02	0.0	-4.47e-04	1.13e-05
113	120	7.32	-1.29	-0.06	0.0	4.15e-03	-4.00e-04
113	124	7.03	-1.31	-0.06	0.0	3.99e-03	-3.63e-04
113	125	-7.03	1.37	-4.66e-03	0.0	-3.99e-03	3.63e-04
113	146	1.30e-04	0.04	-0.04	0.0	0.0	0.0
113	151	1.08e-04	0.03	-0.04	0.0	0.0	0.0
113	156	1.02e-04	0.03	-0.03	0.0	0.0	0.0

114	4	2.47e-04	0.06	-0.08	0.0	0.0	0.0
114	24	7.68	-1.39	-0.07	0.0	3.26e-03	-4.22e-04
114	28	7.35	-1.41	-0.07	0.0	3.12e-03	-3.79e-04
114	29	-7.35	1.48	-0.01	0.0	-3.12e-03	3.79e-04
114	48	6.61	-1.09	-0.07	0.0	2.81e-03	-3.14e-04
114	60	5.93	-1.21	-0.07	0.0	2.51e-03	-3.05e-04
114	77	-1.22	1.28	-0.02	0.0	-5.27e-04	2.01e-05
114	80	5.76	-0.95	-0.06	0.0	2.45e-03	-2.74e-04
114	92	5.13	-1.06	-0.07	0.0	2.18e-03	-2.65e-04
114	109	-1.04	1.14	-0.02	0.0	-4.50e-04	1.56e-05
114	120	9.73	-1.74	-0.08	0.0	4.13e-03	-5.30e-04
114	124	9.35	-1.77	-0.08	0.0	3.97e-03	-4.82e-04
114	125	-9.35	1.84	-7.77e-03	0.0	-3.97e-03	4.82e-04
114	146	1.73e-04	0.04	-0.06	0.0	0.0	0.0
114	151	1.43e-04	0.04	-0.05	0.0	0.0	0.0
114	156	1.36e-04	0.03	-0.04	0.0	0.0	0.0
115	4	3.08e-04	0.05	-0.10	0.0	0.0	0.0
115	24	9.58	-1.76	-0.09	0.0	3.24e-03	-5.25e-04
115	28	9.16	-1.79	-0.09	0.0	3.11e-03	-4.72e-04
115	29	-9.16	1.84	-0.02	0.0	-3.11e-03	4.72e-04
115	48	8.25	-1.38	-0.08	0.0	2.80e-03	-3.93e-04
115	60	7.39	-1.54	-0.08	0.0	2.50e-03	-3.81e-04
115	77	-1.52	1.59	-0.03	0.0	-5.30e-04	2.60e-05
115	80	7.18	-1.20	-0.08	0.0	2.43e-03	-3.42e-04
115	92	6.40	-1.34	-0.08	0.0	2.17e-03	-3.30e-04
115	109	-1.30	1.41	-0.03	0.0	-4.53e-04	2.03e-05
115	120	12.14	-2.20	-0.09	0.0	4.11e-03	-6.61e-04
115	124	11.66	-2.24	-0.09	0.0	3.96e-03	-6.02e-04
115	125	-11.66	2.29	-0.02	0.0	-3.96e-03	6.02e-04
115	146	2.16e-04	0.03	-0.07	0.0	0.0	0.0
115	151	1.79e-04	0.03	-0.06	0.0	0.0	0.0
115	156	1.70e-04	0.03	-0.05	0.0	0.0	0.0
116	4	3.71e-04	0.02	-0.14	0.0	0.0	0.0
116	16	11.47	-1.88	-0.10	0.0	3.25e-03	-5.38e-04
116	28	10.97	-2.16	-0.11	0.0	3.10e-03	-5.58e-04
116	29	-10.97	2.18	-0.05	0.0	-3.10e-03	5.58e-04
116	48	9.87	-1.67	-0.10	0.0	2.79e-03	-4.65e-04
116	60	8.85	-1.86	-0.10	0.0	2.50e-03	-4.50e-04
116	61	-8.84	1.88	-0.05	0.0	-2.50e-03	4.50e-04
116	80	8.60	-1.46	-0.10	0.0	2.43e-03	-4.05e-04
116	92	7.66	-1.62	-0.10	0.0	2.16e-03	-3.90e-04
116	109	-1.57	1.67	-0.06	0.0	-4.54e-04	2.48e-05
116	120	14.53	-2.65	-0.11	0.0	4.10e-03	-7.81e-04
116	124	13.97	-2.70	-0.11	0.0	3.95e-03	-7.11e-04
116	125	-13.97	2.72	-0.04	0.0	-3.95e-03	7.11e-04
116	146	2.60e-04	0.01	-0.10	0.0	0.0	0.0
116	151	2.15e-04	0.01	-0.08	0.0	0.0	0.0
116	156	2.04e-04	0.01	-0.08	0.0	0.0	0.0
117	4	6.12e-05	0.02	-0.03	0.0	0.0	0.0
117	24	1.96	-0.33	-0.03	0.0	3.36e-03	-1.06e-04
117	28	1.87	-0.33	-0.03	0.0	3.21e-03	-9.46e-05
117	29	-1.87	0.36	-2.60e-03	0.0	-3.21e-03	9.46e-05
117	48	1.68	-0.26	-0.03	0.0	2.88e-03	-7.80e-05
117	60	1.51	-0.29	-0.03	0.0	2.59e-03	-7.64e-05
117	77	-0.30	0.32	-5.44e-03	0.0	-5.23e-04	4.61e-06
117	80	1.47	-0.22	-0.02	0.0	2.51e-03	-6.79e-05
117	92	1.31	-0.25	-0.03	0.0	2.24e-03	-6.63e-05
117	109	-0.26	0.28	-6.57e-03	0.0	-4.47e-04	3.54e-06
117	120	2.48	-0.41	-0.03	0.0	4.25e-03	-1.33e-04
117	124	2.38	-0.42	-0.03	0.0	4.08e-03	-1.20e-04
117	125	-2.38	0.45	5.24e-04	0.0	-4.08e-03	1.20e-04
117	146	4.28e-05	0.02	-0.02	0.0	0.0	0.0
117	151	3.54e-05	0.01	-0.02	0.0	0.0	0.0
117	156	3.36e-05	0.01	-0.02	0.0	0.0	0.0
118	1	0.0	0.0	0.0	0.0	0.0	0.0
118	15	0.0	0.0	0.0	0.0	3.20e-03	-3.99e-06
118	47	0.0	0.0	0.0	0.0	2.72e-03	-3.32e-06
118	79	0.0	0.0	0.0	0.0	2.36e-03	-2.88e-06
118	111	0.0	0.0	0.0	0.0	3.98e-03	-5.00e-06
118	143	0.0	0.0	0.0	0.0	0.0	0.0
118	150	0.0	0.0	0.0	0.0	0.0	0.0
118	155	0.0	0.0	0.0	0.0	0.0	0.0
119	4	1.22e-04	0.05	-0.06	0.0	0.0	0.0
119	24	3.92	-0.67	-0.06	0.0	3.35e-03	-2.13e-04
119	28	3.74	-0.68	-0.06	0.0	3.20e-03	-1.91e-04

119	29	-3.74	0.73	-4.01e-03	0.0	-3.20e-03	1.91e-04
119	48	3.36	-0.52	-0.05	0.0	2.87e-03	-1.58e-04
119	60	3.02	-0.59	-0.05	0.0	2.58e-03	-1.55e-04
119	77	-0.61	0.64	-9.86e-03	0.0	-5.25e-04	9.51e-06
119	80	2.93	-0.46	-0.05	0.0	2.50e-03	-1.38e-04
119	92	2.62	-0.51	-0.05	0.0	2.23e-03	-1.34e-04
119	109	-0.52	0.57	-0.01	0.0	-4.49e-04	7.32e-06
119	120	4.96	-0.84	-0.06	0.0	4.24e-03	-2.68e-04
119	124	4.76	-0.86	-0.06	0.0	4.07e-03	-2.43e-04
119	125	-4.76	0.91	2.43e-03	0.0	-4.07e-03	2.43e-04
119	146	8.55e-05	0.03	-0.04	0.0	0.0	0.0
119	151	7.08e-05	0.03	-0.03	0.0	0.0	0.0
119	156	6.72e-05	0.02	-0.03	0.0	0.0	0.0
120	4	1.83e-04	0.06	-0.08	0.0	0.0	0.0
120	24	5.87	-1.02	-0.09	0.0	3.33e-03	-3.18e-04
120	28	5.60	-1.04	-0.09	0.0	3.18e-03	-2.85e-04
120	29	-5.60	1.11	-3.39e-03	0.0	-3.18e-03	2.85e-04
120	48	5.04	-0.80	-0.08	0.0	2.86e-03	-2.36e-04
120	60	4.52	-0.90	-0.08	0.0	2.57e-03	-2.30e-04
120	77	-0.92	0.96	-0.01	0.0	-5.28e-04	1.46e-05
120	80	4.39	-0.70	-0.08	0.0	2.49e-03	-2.06e-04
120	92	3.92	-0.78	-0.08	0.0	2.22e-03	-2.00e-04
120	109	-0.78	0.86	-0.02	0.0	-4.51e-04	1.13e-05
120	120	7.43	-1.29	-0.10	0.0	4.22e-03	-4.00e-04
120	124	7.13	-1.31	-0.10	0.0	4.05e-03	-3.63e-04
120	125	-7.13	1.37	6.90e-03	0.0	-4.05e-03	3.63e-04
120	146	1.28e-04	0.04	-0.06	0.0	0.0	0.0
120	151	1.06e-04	0.03	-0.05	0.0	0.0	0.0
120	156	1.01e-04	0.03	-0.05	0.0	0.0	0.0
121	4	2.44e-04	0.06	-0.11	0.0	0.0	0.0
121	24	7.80	-1.39	-0.12	0.0	3.31e-03	-4.21e-04
121	28	7.45	-1.41	-0.12	0.0	3.17e-03	-3.78e-04
121	29	-7.45	1.48	-2.11e-04	0.0	-3.17e-03	3.78e-04
121	48	6.70	-1.09	-0.11	0.0	2.85e-03	-3.14e-04
121	60	6.01	-1.21	-0.12	0.0	2.55e-03	-3.05e-04
121	77	-1.23	1.28	-0.01	0.0	-5.32e-04	2.01e-05
121	80	5.83	-0.95	-0.11	0.0	2.48e-03	-2.73e-04
121	92	5.21	-1.06	-0.11	0.0	2.21e-03	-2.64e-04
121	109	-1.05	1.14	-0.02	0.0	-4.54e-04	1.56e-05
121	120	9.88	-1.74	-0.14	0.0	4.19e-03	-5.30e-04
121	124	9.49	-1.77	-0.14	0.0	4.03e-03	-4.82e-04
121	125	-9.49	1.84	0.01	0.0	-4.03e-03	4.82e-04
121	146	1.71e-04	0.04	-0.08	0.0	0.0	0.0
121	151	1.41e-04	0.03	-0.07	0.0	0.0	0.0
121	156	1.34e-04	0.03	-0.06	0.0	0.0	0.0
122	4	3.05e-04	0.05	-0.16	0.0	0.0	0.0
122	24	9.72	-1.75	-0.17	0.0	3.29e-03	-5.24e-04
122	28	9.30	-1.79	-0.17	0.0	3.15e-03	-4.72e-04
122	29	-9.29	1.84	2.88e-03	0.0	-3.15e-03	4.72e-04
122	48	8.36	-1.38	-0.16	0.0	2.83e-03	-3.92e-04
122	60	7.49	-1.54	-0.16	0.0	2.54e-03	-3.80e-04
122	77	-1.54	1.59	-0.02	0.0	-5.34e-04	2.60e-05
122	80	7.28	-1.20	-0.15	0.0	2.47e-03	-3.42e-04
122	92	6.49	-1.34	-0.15	0.0	2.20e-03	-3.29e-04
122	109	-1.31	1.41	-0.02	0.0	-4.57e-04	2.03e-05
122	120	12.32	-2.20	-0.19	0.0	4.17e-03	-6.60e-04
122	124	11.83	-2.24	-0.20	0.0	4.02e-03	-6.01e-04
122	125	-11.83	2.29	0.02	0.0	-4.02e-03	6.01e-04
122	146	2.14e-04	0.03	-0.11	0.0	0.0	0.0
122	151	1.77e-04	0.03	-0.09	0.0	0.0	0.0
122	156	1.68e-04	0.03	-0.09	0.0	0.0	0.0
123	4	3.68e-04	0.02	-0.26	0.0	0.0	0.0
123	24	11.64	-2.12	-0.26	0.0	4.61e-03	-6.28e-04
123	28	11.13	-2.16	-0.27	0.0	4.48e-03	-5.65e-04
123	29	-11.13	2.18	-0.02	0.0	-4.48e-03	5.65e-04
123	48	10.00	-1.67	-0.24	0.0	4.00e-03	-4.71e-04
123	60	8.97	-1.86	-0.25	0.0	3.59e-03	-4.55e-04
123	61	-8.97	1.88	-0.03	0.0	-3.59e-03	4.55e-04
123	80	8.71	-1.46	-0.23	0.0	3.48e-03	-4.11e-04
123	92	7.77	-1.62	-0.24	0.0	3.11e-03	-3.94e-04
123	109	-1.58	1.67	-0.05	0.0	-7.55e-04	2.56e-05
123	120	14.75	-2.65	-0.29	0.0	5.85e-03	-7.91e-04
123	124	14.17	-2.70	-0.30	0.0	5.71e-03	-7.20e-04
123	125	-14.17	2.72	0.02	0.0	-5.71e-03	7.20e-04
123	146	2.57e-04	0.01	-0.18	0.0	0.0	0.0

123	151	2.13e-04	0.01	-0.15	0.0	0.0	0.0
123	156	2.02e-04	0.01	-0.14	0.0	0.0	0.0
124	4	3.04e-04	0.05	-0.23	0.0	0.0	0.0
124	23	9.52	1.84	-0.10	0.0	3.23e-03	-4.70e-04
124	24	9.97	1.14	-0.11	0.0	3.37e-03	-5.23e-04
124	26	-9.52	-1.79	-0.15	0.0	-3.23e-03	4.70e-04
124	48	8.54	0.74	-0.11	0.0	2.90e-03	-3.91e-04
124	58	-7.68	-1.54	-0.14	0.0	-2.60e-03	3.79e-04
124	67	1.56	1.59	-0.11	0.0	5.41e-04	-2.56e-05
124	80	7.44	0.64	-0.11	0.0	2.52e-03	-3.41e-04
124	90	-6.65	-1.34	-0.14	0.0	-2.25e-03	3.28e-04
124	99	1.33	1.41	-0.11	0.0	4.62e-04	-1.99e-05
124	119	12.12	2.28	-0.10	0.0	4.11e-03	-5.99e-04
124	120	12.63	1.48	-0.10	0.0	4.28e-03	-6.58e-04
124	122	-12.12	-2.23	-0.15	0.0	-4.11e-03	5.99e-04
124	146	2.13e-04	0.03	-0.16	0.0	0.0	0.0
124	151	1.76e-04	0.03	-0.13	0.0	0.0	0.0
124	156	1.67e-04	0.02	-0.12	0.0	0.0	0.0
125	4	6.16e-05	0.02	-0.04	0.0	0.0	0.0
125	23	1.97	0.36	-0.04	0.0	3.37e-03	-9.46e-05
125	24	2.06	0.22	-0.04	0.0	3.53e-03	-1.06e-04
125	48	1.76	0.15	-0.03	0.0	3.01e-03	-7.81e-05
125	55	1.59	0.31	-0.04	0.0	2.71e-03	-7.65e-05
125	67	0.31	0.31	-0.04	0.0	5.36e-04	-4.54e-06
125	80	1.53	0.13	-0.03	0.0	2.62e-03	-6.80e-05
125	87	1.37	0.27	-0.04	0.0	2.35e-03	-6.63e-05
125	99	0.27	0.28	-0.04	0.0	4.57e-04	-3.47e-06
125	119	2.50	0.44	-0.05	0.0	4.28e-03	-1.20e-04
125	120	2.61	0.29	-0.04	0.0	4.47e-03	-1.33e-04
125	146	4.31e-05	0.02	-0.03	0.0	0.0	0.0
125	151	3.57e-05	0.01	-0.03	0.0	0.0	0.0
125	156	3.39e-05	0.01	-0.02	0.0	0.0	0.0
126	1	0.0	0.0	0.0	0.0	0.0	0.0
126	15	0.0	0.0	0.0	0.0	3.33e-03	-3.93e-06
126	47	0.0	0.0	0.0	0.0	2.83e-03	-3.27e-06
126	79	0.0	0.0	0.0	0.0	2.46e-03	-2.84e-06
126	111	0.0	0.0	0.0	0.0	4.15e-03	-4.92e-06
126	143	0.0	0.0	0.0	0.0	0.0	0.0
126	150	0.0	0.0	0.0	0.0	0.0	0.0
126	155	0.0	0.0	0.0	0.0	0.0	0.0
127	4	1.23e-04	0.04	-0.09	0.0	0.0	0.0
127	23	3.93	0.73	-0.09	0.0	3.35e-03	-1.91e-04
127	24	4.12	0.46	-0.08	0.0	3.52e-03	-2.13e-04
127	48	3.51	0.30	-0.07	0.0	3.00e-03	-1.58e-04
127	55	3.17	0.63	-0.09	0.0	2.70e-03	-1.54e-04
127	67	0.63	0.64	-0.08	0.0	5.39e-04	-9.35e-06
127	80	3.06	0.26	-0.07	0.0	2.61e-03	-1.38e-04
127	87	2.74	0.56	-0.08	0.0	2.34e-03	-1.34e-04
127	99	0.53	0.57	-0.08	0.0	4.59e-04	-7.17e-06
127	119	5.00	0.90	-0.10	0.0	4.27e-03	-2.43e-04
127	120	5.22	0.59	-0.09	0.0	4.46e-03	-2.68e-04
127	146	8.59e-05	0.03	-0.06	0.0	0.0	0.0
127	151	7.11e-05	0.03	-0.05	0.0	0.0	0.0
127	156	6.75e-05	0.02	-0.05	0.0	0.0	0.0
128	4	1.83e-04	0.06	-0.13	0.0	0.0	0.0
128	23	5.88	1.11	-0.14	0.0	3.34e-03	-2.85e-04
128	24	6.17	0.69	-0.12	0.0	3.50e-03	-3.18e-04
128	48	5.26	0.45	-0.10	0.0	2.99e-03	-2.36e-04
128	55	4.74	0.96	-0.13	0.0	2.69e-03	-2.30e-04
128	67	0.94	0.96	-0.13	0.0	5.42e-04	-1.44e-05
128	80	4.58	0.39	-0.10	0.0	2.60e-03	-2.05e-04
128	87	4.11	0.84	-0.12	0.0	2.33e-03	-1.99e-04
128	99	0.80	0.86	-0.12	0.0	4.63e-04	-1.11e-05
128	119	7.48	1.37	-0.16	0.0	4.25e-03	-3.63e-04
128	120	7.81	0.89	-0.13	0.0	4.43e-03	-4.00e-04
128	146	1.28e-04	0.04	-0.09	0.0	0.0	0.0
128	151	1.06e-04	0.03	-0.08	0.0	0.0	0.0
128	156	1.01e-04	0.03	-0.07	0.0	0.0	0.0
129	4	2.42e-04	0.06	-0.18	0.0	0.0	0.0
129	23	7.82	1.48	-0.19	0.0	3.32e-03	-3.77e-04
129	24	8.20	0.92	-0.16	0.0	3.47e-03	-4.20e-04
129	48	7.00	0.60	-0.14	0.0	2.97e-03	-3.13e-04
129	55	6.30	1.28	-0.18	0.0	2.67e-03	-3.04e-04
129	67	1.26	1.28	-0.17	0.0	5.46e-04	-1.97e-05
129	80	6.09	0.52	-0.14	0.0	2.59e-03	-2.73e-04

129	87	5.46	1.12	-0.17	0.0	2.32e-03	-2.64e-04
129	99	1.07	1.14	-0.17	0.0	4.66e-04	-1.53e-05
129	119	9.95	1.83	-0.21	0.0	4.23e-03	-4.81e-04
129	120	10.38	1.19	-0.18	0.0	4.40e-03	-5.29e-04
129	146	1.69e-04	0.04	-0.13	0.0	0.0	0.0
129	151	1.40e-04	0.03	-0.11	0.0	0.0	0.0
129	156	1.33e-04	0.03	-0.10	0.0	0.0	0.0
130	4	3.00e-04	0.04	-0.26	0.0	0.0	0.0
130	23	9.75	1.84	-0.25	0.0	3.31e-03	-4.70e-04
130	24	10.22	1.14	-0.21	0.0	3.46e-03	-5.22e-04
130	48	8.73	0.74	-0.19	0.0	2.96e-03	-3.91e-04
130	55	7.86	1.59	-0.24	0.0	2.66e-03	-3.78e-04
130	67	1.58	1.59	-0.23	0.0	5.49e-04	-2.56e-05
130	80	7.60	0.64	-0.18	0.0	2.58e-03	-3.40e-04
130	87	6.81	1.39	-0.22	0.0	2.30e-03	-3.28e-04
130	99	1.35	1.41	-0.22	0.0	4.69e-04	-2.00e-05
130	119	12.41	2.28	-0.28	0.0	4.21e-03	-5.98e-04
130	120	12.94	1.47	-0.23	0.0	4.38e-03	-6.57e-04
130	146	2.10e-04	0.03	-0.18	0.0	0.0	0.0
130	151	1.74e-04	0.03	-0.15	0.0	0.0	0.0
130	156	1.65e-04	0.02	-0.14	0.0	0.0	0.0
131	4	5.55e-05	0.02	-0.05	0.0	0.0	0.0
131	24	2.11	-0.33	0.07	0.0	3.61e-03	-1.06e-04
131	29	-2.01	0.36	-0.13	0.0	-3.44e-03	9.47e-05
131	48	1.80	-0.25	0.05	0.0	3.07e-03	-7.81e-05
131	61	-1.62	0.31	-0.11	0.0	-2.77e-03	7.66e-05
131	77	-0.32	0.31	-0.11	0.0	-5.44e-04	4.64e-06
131	80	1.56	-0.22	0.04	0.0	2.67e-03	-6.80e-05
131	93	-1.41	0.27	-0.10	0.0	-2.40e-03	6.64e-05
131	109	-0.27	0.28	-0.10	0.0	-4.64e-04	3.56e-06
131	120	2.68	-0.41	0.09	0.0	4.57e-03	-1.33e-04
131	125	-2.56	0.44	-0.15	0.0	-4.38e-03	1.21e-04
131	146	3.88e-05	0.02	-0.04	0.0	0.0	0.0
131	151	3.22e-05	0.01	-0.03	0.0	0.0	0.0
131	156	3.06e-05	0.01	-0.03	0.0	0.0	0.0
132	4	1.12e-04	0.04	-0.10	0.0	0.0	0.0
132	24	4.22	-0.67	0.12	0.0	3.60e-03	-2.13e-04
132	29	-4.02	0.73	-0.23	0.0	-3.43e-03	1.91e-04
132	48	3.59	-0.52	0.08	0.0	3.06e-03	-1.58e-04
132	61	-3.24	0.63	-0.20	0.0	-2.76e-03	1.54e-04
132	77	-0.63	0.64	-0.20	0.0	-5.46e-04	9.54e-06
132	80	3.12	-0.45	0.07	0.0	2.66e-03	-1.37e-04
132	93	-2.81	0.56	-0.19	0.0	-2.39e-03	1.34e-04
132	109	-0.54	0.57	-0.18	0.0	-4.66e-04	7.34e-06
132	120	5.34	-0.84	0.16	0.0	4.55e-03	-2.68e-04
132	125	-5.11	0.90	-0.27	0.0	-4.36e-03	2.43e-04
132	146	7.83e-05	0.03	-0.07	0.0	0.0	0.0
132	151	6.48e-05	0.03	-0.06	0.0	0.0	0.0
132	156	6.16e-05	0.02	-0.05	0.0	0.0	0.0
133	4	1.69e-04	0.06	-0.15	0.0	0.0	0.0
133	24	6.32	-1.02	0.15	0.0	3.57e-03	-3.18e-04
133	29	-6.02	1.10	-0.32	0.0	-3.41e-03	2.85e-04
133	48	5.37	-0.80	0.10	0.0	3.05e-03	-2.36e-04
133	61	-4.85	0.96	-0.28	0.0	-2.75e-03	2.30e-04
133	77	-0.95	0.96	-0.28	0.0	-5.50e-04	1.47e-05
133	80	4.68	-0.70	0.08	0.0	2.65e-03	-2.05e-04
133	93	-4.20	0.84	-0.26	0.0	-2.38e-03	1.99e-04
133	109	-0.81	0.86	-0.25	0.0	-4.69e-04	1.13e-05
133	120	8.00	-1.28	0.21	0.0	4.53e-03	-4.00e-04
133	125	-7.66	1.37	-0.38	0.0	-4.34e-03	3.63e-04
133	146	1.19e-04	0.04	-0.10	0.0	0.0	0.0
133	151	9.82e-05	0.03	-0.08	0.0	0.0	0.0
133	156	9.33e-05	0.03	-0.08	0.0	0.0	0.0
134	4	2.29e-04	0.06	-0.20	0.0	0.0	0.0
134	24	8.40	-1.39	0.17	0.0	3.55e-03	-4.20e-04
134	29	-8.00	1.48	-0.40	0.0	-3.39e-03	3.77e-04
134	48	7.15	-1.09	0.11	0.0	3.03e-03	-3.13e-04
134	61	-6.45	1.28	-0.36	0.0	-2.73e-03	3.04e-04
134	77	-1.28	1.28	-0.35	0.0	-5.54e-04	2.01e-05
134	80	6.22	-0.95	0.09	0.0	2.64e-03	-2.73e-04
134	93	-5.59	1.12	-0.32	0.0	-2.36e-03	2.64e-04
134	109	-1.09	1.14	-0.32	0.0	-4.73e-04	1.56e-05
134	120	10.64	-1.74	0.24	0.0	4.50e-03	-5.29e-04
134	125	-10.19	1.83	-0.47	0.0	-4.32e-03	4.81e-04
134	146	1.60e-04	0.04	-0.14	0.0	0.0	0.0

134	151	1.33e-04	0.03	-0.12	0.0	0.0	0.0
134	156	1.26e-04	0.03	-0.11	0.0	0.0	0.0
135	4	2.90e-04	0.04	-0.28	0.0	0.0	0.0
135	24	10.47	-1.75	0.16	0.0	3.53e-03	-5.22e-04
135	29	-9.98	1.83	-0.48	0.0	-3.37e-03	4.70e-04
135	48	8.91	-1.38	0.10	0.0	3.02e-03	-3.91e-04
135	61	-8.04	1.58	-0.43	0.0	-2.71e-03	3.78e-04
135	77	-1.60	1.59	-0.42	0.0	-5.57e-04	2.61e-05
135	80	7.76	-1.20	0.07	0.0	2.63e-03	-3.40e-04
135	93	-6.96	1.39	-0.40	0.0	-2.35e-03	3.28e-04
135	109	-1.37	1.41	-0.39	0.0	-4.76e-04	2.04e-05
135	120	13.26	-2.20	0.24	0.0	4.47e-03	-6.57e-04
135	125	-12.70	2.28	-0.56	0.0	-4.30e-03	5.98e-04
135	146	2.03e-04	0.03	-0.20	0.0	0.0	0.0
135	151	1.68e-04	0.02	-0.16	0.0	0.0	0.0
135	156	1.60e-04	0.02	-0.16	0.0	0.0	0.0
136	4	3.52e-04	0.02	-0.47	0.0	0.0	0.0
136	24	12.52	-2.12	0.10	0.0	4.89e-03	-6.24e-04
136	29	-11.94	2.18	-0.62	0.0	-4.74e-03	5.62e-04
136	48	10.67	-1.67	0.03	0.0	4.22e-03	-4.69e-04
136	61	-9.62	1.88	-0.56	0.0	-3.81e-03	4.52e-04
136	80	9.29	-1.46	-4.31e-03	0.0	3.67e-03	-4.08e-04
136	93	-8.33	1.65	-0.53	0.0	-3.30e-03	3.92e-04
136	109	-1.64	1.67	-0.52	0.0	-7.75e-04	2.58e-05
136	120	15.86	-2.65	0.19	0.0	6.22e-03	-7.86e-04
136	125	-15.21	2.72	-0.71	0.0	-6.04e-03	7.16e-04
136	146	2.46e-04	0.02	-0.33	0.0	0.0	0.0
136	151	2.04e-04	0.01	-0.27	0.0	0.0	0.0
136	156	1.94e-04	0.01	-0.25	0.0	0.0	0.0
137	4	0.03	-0.03	-0.07	0.0	4.80e-05	-1.13e-05
137	19	0.95	0.26	-0.06	0.0	1.78e-03	-2.12e-06
137	26	-0.82	-0.34	-9.35e-04	0.0	-1.56e-03	1.66e-05
137	35	0.20	0.28	-0.09	0.0	3.72e-04	7.02e-06
137	51	0.83	0.23	-0.06	0.0	1.55e-03	-2.77e-06
137	67	0.14	0.27	-0.09	0.0	2.72e-04	8.50e-06
137	70	-0.11	-0.31	0.02	0.0	-2.20e-04	-2.09e-05
137	83	0.73	0.20	-0.05	0.0	1.36e-03	-3.18e-06
137	99	0.12	0.24	-0.09	0.0	2.36e-04	6.94e-06
137	102	-0.09	-0.27	0.01	0.0	-1.83e-04	-1.93e-05
137	115	1.17	0.32	-0.06	0.0	2.20e-03	0.0
137	122	-1.05	-0.42	6.13e-03	0.0	-1.99e-03	1.99e-05
137	131	0.25	0.33	-0.10	0.0	4.80e-04	8.59e-06
137	146	0.02	-0.02	-0.05	0.0	3.35e-05	-7.90e-06
137	151	0.02	-0.02	-0.04	0.0	2.76e-05	-6.52e-06
137	156	0.02	-0.02	-0.04	0.0	2.62e-05	-6.18e-06
138	4	0.03	-0.03	-0.06	0.0	3.89e-05	-1.22e-05
138	17	-0.91	-0.17	-0.13	0.0	-1.75e-03	-6.74e-05
138	19	0.94	0.26	0.06	0.0	1.80e-03	5.46e-05
138	26	-0.81	-0.34	-0.12	0.0	-1.57e-03	-6.75e-05
138	49	-0.79	-0.14	-0.11	0.0	-1.52e-03	-5.69e-05
138	51	0.82	0.23	0.04	0.0	1.56e-03	4.41e-05
138	70	-0.11	-0.31	-0.04	0.0	-2.25e-04	-4.67e-05
138	81	-0.69	-0.12	-0.10	0.0	-1.32e-03	-5.02e-05
138	83	0.72	0.20	0.03	0.0	1.37e-03	3.73e-05
138	102	-0.09	-0.27	-0.04	0.0	-1.88e-04	-4.22e-05
138	113	-1.13	-0.22	-0.15	0.0	-2.18e-03	-8.30e-05
138	115	1.16	0.32	0.08	0.0	2.22e-03	7.04e-05
138	122	-1.03	-0.42	-0.14	0.0	-2.00e-03	-8.12e-05
138	146	0.02	-0.02	-0.04	0.0	2.72e-05	-8.50e-06
138	151	0.02	-0.02	-0.03	0.0	2.24e-05	-7.02e-06
138	156	0.02	-0.02	-0.03	0.0	2.12e-05	-6.66e-06
139	4	0.06	-0.05	-0.14	0.0	3.12e-05	-2.12e-05
139	19	2.05	0.55	-0.09	0.0	2.11e-03	3.38e-05
139	26	-1.80	-0.70	-0.02	0.0	-1.88e-03	-8.31e-05
139	35	0.43	0.57	-0.17	0.0	4.48e-04	5.07e-05
139	51	1.79	0.49	-0.10	0.0	1.83e-03	2.47e-05
139	67	0.31	0.56	-0.17	0.0	3.29e-04	5.63e-05
139	70	-0.25	-0.62	0.02	0.0	-2.95e-04	-7.95e-05
139	83	1.57	0.42	-0.09	0.0	1.59e-03	1.97e-05
139	99	0.27	0.50	-0.16	0.0	2.83e-04	4.89e-05
139	102	-0.21	-0.56	7.34e-03	0.0	-2.49e-04	-7.21e-05
139	115	2.54	0.68	-0.10	0.0	2.61e-03	4.62e-05
139	122	-2.29	-0.87	-0.01	0.0	-2.40e-03	-9.30e-05
139	131	0.55	0.69	-0.18	0.0	5.80e-04	5.90e-05
139	146	0.04	-0.04	-0.10	0.0	2.18e-05	-1.48e-05

139	151	0.03	-0.03	-0.08	0.0	1.80e-05	-1.22e-05
139	156	0.03	-0.03	-0.08	0.0	1.70e-05	-1.16e-05
140	4	0.05	-0.05	-0.10	0.0	2.48e-05	-2.15e-05
140	17	-2.02	-0.36	-0.23	0.0	-2.08e-03	-8.68e-05
140	19	2.08	0.55	0.11	0.0	2.10e-03	6.42e-05
140	26	-1.81	-0.70	-0.21	0.0	-1.87e-03	-9.87e-05
140	49	-1.76	-0.28	-0.21	0.0	-1.80e-03	-7.29e-05
140	51	1.81	0.49	0.08	0.0	1.82e-03	5.02e-05
140	70	-0.26	-0.62	-0.08	0.0	-2.94e-04	-8.35e-05
140	81	-1.53	-0.25	-0.19	0.0	-1.56e-03	-6.47e-05
140	83	1.58	0.42	0.06	0.0	1.59e-03	4.19e-05
140	102	-0.21	-0.56	-0.08	0.0	-2.48e-04	-7.56e-05
140	113	-2.51	-0.45	-0.27	0.0	-2.58e-03	-1.07e-04
140	115	2.57	0.68	0.15	0.0	2.61e-03	8.43e-05
140	122	-2.31	-0.87	-0.25	0.0	-2.38e-03	-1.14e-04
140	146	0.03	-0.04	-0.07	0.0	1.73e-05	-1.51e-05
140	151	0.03	-0.03	-0.06	0.0	1.43e-05	-1.24e-05
140	156	0.03	-0.03	-0.06	0.0	1.35e-05	-1.18e-05
141	4	0.07	-0.07	-0.22	0.0	6.87e-06	-2.63e-05
141	19	3.40	0.87	-0.12	0.0	2.48e-03	-1.17e-05
141	26	-3.01	-1.08	-0.06	0.0	-2.26e-03	5.64e-05
141	35	0.72	0.89	-0.24	0.0	5.36e-04	2.28e-05
141	51	2.95	0.77	-0.13	0.0	2.14e-03	-1.21e-05
141	67	0.53	0.87	-0.24	0.0	3.96e-04	2.78e-05
141	70	-0.45	-0.95	-7.65e-05	0.0	-3.88e-04	-5.65e-05
141	83	2.58	0.67	-0.13	0.0	1.87e-03	-1.23e-05
141	99	0.46	0.77	-0.23	0.0	3.39e-04	2.33e-05
141	102	-0.38	-0.84	-0.01	0.0	-3.31e-04	-5.20e-05
141	115	4.20	1.07	-0.12	0.0	3.08e-03	1.03e-05
141	122	-3.83	-1.34	-0.05	0.0	-2.87e-03	6.81e-05
141	131	0.93	1.07	-0.26	0.0	6.97e-04	2.68e-05
141	146	0.05	-0.05	-0.15	0.0	4.79e-06	-1.84e-05
141	151	0.04	-0.04	-0.13	0.0	3.95e-06	-1.51e-05
141	156	0.04	-0.04	-0.12	0.0	3.73e-06	-1.44e-05
142	4	0.06	-0.07	-0.15	0.0	6.20e-06	-2.66e-05
142	17	-3.33	-0.55	-0.32	0.0	-2.39e-03	-2.36e-05
142	19	3.40	0.87	0.14	0.0	2.40e-03	-4.42e-06
142	26	-2.99	-1.08	-0.29	0.0	-2.16e-03	5.23e-05
142	49	-2.89	-0.44	-0.29	0.0	-2.06e-03	-2.11e-05
142	51	2.95	0.77	0.10	0.0	2.07e-03	-6.98e-06
142	70	-0.45	-0.95	-0.11	0.0	-3.66e-04	-5.79e-05
142	81	-2.51	-0.38	-0.26	0.0	-1.80e-03	-2.02e-05
142	83	2.58	0.67	0.08	0.0	1.80e-03	-7.97e-06
142	102	-0.38	-0.84	-0.11	0.0	-3.12e-04	-5.32e-05
142	113	-4.14	-0.70	-0.38	0.0	-2.97e-03	-2.69e-05
142	115	4.20	1.07	0.19	0.0	2.98e-03	0.0
142	122	-3.81	-1.34	-0.34	0.0	-2.75e-03	6.23e-05
142	146	0.04	-0.05	-0.10	0.0	4.32e-06	-1.86e-05
142	151	0.03	-0.04	-0.09	0.0	3.56e-06	-1.53e-05
142	156	0.03	-0.04	-0.08	0.0	3.37e-06	-1.45e-05
143	4	0.07	-0.06	-0.32	0.0	-2.32e-05	-2.38e-05
143	19	4.96	1.20	-0.15	0.0	2.81e-03	-1.69e-04
143	26	-4.44	-1.46	-0.19	0.0	-2.59e-03	1.79e-04
143	33	-1.76	0.58	-0.32	0.0	-1.01e-03	1.07e-04
143	51	4.30	1.07	-0.16	0.0	2.41e-03	-1.53e-04
143	65	-1.59	0.66	-0.32	0.0	-8.99e-04	1.09e-04
143	70	-0.70	-1.27	-0.07	0.0	-4.77e-04	-4.37e-05
143	83	3.75	0.93	-0.16	0.0	2.10e-03	-1.36e-04
143	101	-1.28	0.57	-0.30	0.0	-7.24e-04	1.15e-04
143	102	-0.60	-1.13	-0.08	0.0	-4.10e-04	-4.13e-05
143	115	6.14	1.48	-0.14	0.0	3.49e-03	-2.04e-04
143	122	-5.65	-1.81	-0.19	0.0	-3.29e-03	2.28e-04
143	129	-2.17	0.66	-0.34	0.0	-1.24e-03	1.26e-04
143	146	0.05	-0.05	-0.22	0.0	-1.62e-05	-1.66e-05
143	151	0.04	-0.04	-0.19	0.0	-1.34e-05	-1.37e-05
143	156	0.04	-0.04	-0.18	0.0	-1.27e-05	-1.30e-05
144	4	0.06	-0.06	-0.20	0.0	-1.70e-05	-2.54e-05
144	17	-4.81	-0.75	-0.40	0.0	-2.67e-03	1.31e-04
144	19	4.88	1.20	0.16	0.0	2.65e-03	-1.58e-04
144	26	-4.33	-1.46	-0.36	0.0	-2.42e-03	1.69e-04
144	49	-4.16	-0.59	-0.36	0.0	-2.30e-03	1.17e-04
144	51	4.23	1.07	0.11	0.0	2.28e-03	-1.44e-04
144	70	-0.68	-1.27	-0.14	0.0	-4.36e-04	-4.75e-05
144	81	-3.62	-0.51	-0.33	0.0	-2.00e-03	1.01e-04
144	83	3.69	0.93	0.08	0.0	1.98e-03	-1.28e-04

144	102	-0.58	-1.13	-0.14	0.0	-3.74e-04	-4.48e-05
144	113	-5.98	-0.95	-0.47	0.0	-3.32e-03	1.64e-04
144	115	6.04	1.49	0.22	0.0	3.30e-03	-1.90e-04
144	122	-5.52	-1.81	-0.43	0.0	-3.08e-03	2.15e-04
144	146	0.04	-0.04	-0.14	0.0	-1.19e-05	-1.78e-05
144	151	0.03	-0.04	-0.12	0.0	-9.78e-06	-1.47e-05
144	156	0.03	-0.04	-0.11	0.0	-9.27e-06	-1.39e-05
145	4	0.04	-0.05	-0.47	0.0	-5.29e-05	-1.25e-05
145	19	6.69	1.56	-0.20	0.0	3.02e-03	-3.74e-04
145	26	-6.05	-1.84	-0.30	0.0	-2.82e-03	3.85e-04
145	33	-2.38	0.75	-0.42	0.0	-1.10e-03	1.88e-04
145	51	5.78	1.38	-0.21	0.0	2.59e-03	-3.27e-04
145	58	-4.90	-1.59	-0.30	0.0	-2.28e-03	3.12e-04
145	65	-2.14	0.85	-0.42	0.0	-9.74e-04	1.82e-04
145	80	5.04	0.59	-0.15	0.0	2.25e-03	-2.86e-04
145	97	-1.88	0.77	-0.40	0.0	-8.56e-04	1.60e-04
145	102	-0.86	-1.41	-0.17	0.0	-4.71e-04	-6.76e-06
145	115	8.30	1.92	-0.18	0.0	3.76e-03	-4.61e-04
145	122	-7.70	-2.29	-0.32	0.0	-3.59e-03	4.92e-04
145	129	-2.93	0.85	-0.45	0.0	-1.34e-03	2.25e-04
145	146	0.03	-0.03	-0.33	0.0	-3.69e-05	-8.75e-06
145	151	0.03	-0.03	-0.28	0.0	-3.05e-05	-7.22e-06
145	156	0.02	-0.03	-0.26	0.0	-2.89e-05	-6.84e-06
146	4	0.04	-0.04	-0.28	0.0	-4.39e-05	-1.64e-05
146	17	-6.45	-0.95	-0.48	0.0	-2.89e-03	3.38e-04
146	19	6.49	1.56	0.15	0.0	2.84e-03	-3.56e-04
146	26	-5.82	-1.84	-0.43	0.0	-2.63e-03	3.65e-04
146	48	5.61	0.69	0.12	0.0	2.44e-03	-3.12e-04
146	49	-5.57	-0.74	-0.44	0.0	-2.49e-03	2.95e-04
146	58	-4.71	-1.59	-0.38	0.0	-2.12e-03	2.96e-04
146	80	4.89	0.59	0.09	0.0	2.12e-03	-2.74e-04
146	81	-4.85	-0.64	-0.40	0.0	-2.17e-03	2.56e-04
146	102	-0.81	-1.41	-0.18	0.0	-4.30e-04	-1.39e-05
146	113	-8.01	-1.20	-0.56	0.0	-3.59e-03	4.20e-04
146	115	8.05	1.92	0.22	0.0	3.54e-03	-4.37e-04
146	122	-7.40	-2.29	-0.51	0.0	-3.34e-03	4.65e-04
146	146	0.03	-0.03	-0.20	0.0	-3.07e-05	-1.15e-05
146	151	0.02	-0.03	-0.16	0.0	-2.53e-05	-9.46e-06
146	156	0.02	-0.02	-0.16	0.0	-2.40e-05	-8.97e-06
147	4	4.07e-04	0.01	-0.75	-4.29e-04	-4.86e-06	0.0
147	16	8.51	1.13	-0.22	-3.33e-04	3.45e-03	-5.68e-04
147	17	-8.51	-1.12	-0.61	-1.35e-04	-3.45e-03	5.68e-04
147	23	7.76	2.21	-0.32	-3.92e-04	3.17e-03	-5.88e-04
147	48	7.34	0.89	-0.24	-3.16e-04	2.94e-03	-4.93e-04
147	49	-7.34	-0.87	-0.59	-1.52e-04	-2.94e-03	4.92e-04
147	55	6.28	1.91	-0.35	-3.71e-04	2.54e-03	-4.75e-04
147	80	6.39	0.76	-0.27	-3.05e-04	2.55e-03	-4.29e-04
147	81	-6.39	-0.75	-0.57	-1.63e-04	-2.56e-03	4.29e-04
147	99	1.16	1.68	-0.50	-3.41e-04	5.61e-04	-2.66e-05
147	112	10.57	1.44	-0.18	-3.59e-04	4.29e-03	-7.03e-04
147	113	-10.57	-1.43	-0.66	-1.10e-04	-4.30e-03	7.03e-04
147	119	9.88	2.76	-0.30	-4.32e-04	4.04e-03	-7.49e-04
147	146	2.83e-04	7.85e-03	-0.53	-3.00e-04	-3.44e-06	0.0
147	151	2.33e-04	6.06e-03	-0.44	-2.47e-04	-3.06e-06	0.0
147	154	2.25e-04	6.07e-03	-0.43	-2.40e-04	-2.85e-06	0.0
147	156	2.20e-04	5.74e-03	-0.42	-2.34e-04	-2.89e-06	0.0
148	4	-5.62e-04	0.01	-0.42	-3.48e-04	-7.05e-06	0.0
148	11	-5.75e-04	0.01	-0.39	-3.19e-04	-5.57e-06	0.0
148	17	-8.20	-1.12	-0.57	-1.47e-04	-3.28e-03	5.70e-04
148	23	7.42	2.21	0.05	-2.90e-04	2.99e-03	-5.89e-04
148	49	-7.07	-0.87	-0.52	-1.55e-04	-2.80e-03	4.94e-04
148	55	6.00	1.91	-0.01	-2.80e-04	2.39e-03	-4.74e-04
148	81	-6.16	-0.75	-0.48	-1.60e-04	-2.43e-03	4.30e-04
148	99	1.09	1.68	-0.21	-2.77e-04	5.20e-04	-2.76e-05
148	113	-10.18	-1.43	-0.65	-1.35e-04	-4.09e-03	7.06e-04
148	119	9.43	2.76	0.12	-3.13e-04	3.81e-03	-7.50e-04
148	146	-4.11e-04	7.61e-03	-0.29	-2.43e-04	-4.94e-06	0.0
148	149	-4.20e-04	7.51e-03	-0.27	-2.24e-04	-3.96e-06	0.0
148	151	-3.63e-04	5.85e-03	-0.24	-2.01e-04	-4.35e-06	0.0
148	154	-3.68e-04	5.88e-03	-0.24	-1.95e-04	-4.01e-06	0.0
148	156	-3.56e-04	5.54e-03	-0.23	-1.90e-04	-4.09e-06	0.0
149	4	0.02	-0.03	-0.04	0.0	2.92e-05	-1.25e-05
149	17	-1.00	-0.17	-0.05	0.0	-1.82e-03	-9.68e-05
149	19	1.02	0.26	0.01	0.0	1.85e-03	8.37e-05
149	26	-0.88	-0.34	-0.05	0.0	-1.61e-03	-9.31e-05

149	49	-0.87	-0.14	-0.05	0.0	-1.58e-03	-8.19e-05
149	51	0.89	0.23	5.61e-03	0.0	1.61e-03	6.88e-05
149	70	-0.12	-0.31	-0.02	0.0	-2.34e-04	-5.30e-05
149	81	-0.75	-0.12	-0.05	0.0	-1.37e-03	-7.20e-05
149	83	0.78	0.20	2.16e-03	0.0	1.40e-03	5.88e-05
149	102	-0.10	-0.27	-0.02	0.0	-1.97e-04	-4.76e-05
149	113	-1.24	-0.22	-0.06	0.0	-2.26e-03	-1.20e-04
149	115	1.26	0.32	0.02	0.0	2.29e-03	1.07e-04
149	122	-1.12	-0.42	-0.06	0.0	-2.05e-03	-1.14e-04
149	146	0.01	-0.02	-0.03	0.0	2.04e-05	-8.72e-06
149	151	0.01	-0.02	-0.02	0.0	1.68e-05	-7.21e-06
149	156	0.01	-0.02	-0.02	0.0	1.59e-05	-6.84e-06
150	1	0.0	0.0	0.0	0.0	1.65e-05	0.0
150	15	0.0	0.0	0.0	0.0	1.67e-03	3.80e-06
150	47	0.0	0.0	0.0	0.0	1.44e-03	3.23e-06
150	79	0.0	0.0	0.0	0.0	1.26e-03	2.73e-06
150	111	0.0	0.0	0.0	0.0	2.08e-03	4.86e-06
150	143	0.0	0.0	0.0	0.0	1.21e-05	0.0
150	150	0.0	0.0	0.0	0.0	1.21e-05	0.0
150	155	0.0	0.0	0.0	0.0	1.21e-05	0.0
151	4	0.04	-0.05	-0.07	0.0	1.86e-05	-2.11e-05
151	17	-2.10	-0.36	-0.11	0.0	-2.04e-03	-8.67e-05
151	19	2.14	0.55	0.02	0.0	2.06e-03	6.47e-05
151	26	-1.87	-0.70	-0.10	0.0	-1.82e-03	-9.76e-05
151	49	-1.83	-0.28	-0.10	0.0	-1.76e-03	-7.29e-05
151	51	1.86	0.49	0.01	0.0	1.78e-03	5.08e-05
151	70	-0.27	-0.62	-0.05	0.0	-2.82e-04	-8.22e-05
151	81	-1.59	-0.25	-0.09	0.0	-1.53e-03	-6.46e-05
151	83	1.63	0.42	7.20e-03	0.0	1.55e-03	4.24e-05
151	102	-0.23	-0.56	-0.05	0.0	-2.39e-04	-7.45e-05
151	113	-2.61	-0.45	-0.13	0.0	-2.53e-03	-1.07e-04
151	115	2.65	0.68	0.04	0.0	2.55e-03	8.48e-05
151	122	-2.37	-0.87	-0.12	0.0	-2.31e-03	-1.13e-04
151	146	0.02	-0.04	-0.05	0.0	1.30e-05	-1.47e-05
151	151	0.02	-0.03	-0.04	0.0	1.07e-05	-1.21e-05
151	156	0.02	-0.03	-0.04	0.0	1.01e-05	-1.15e-05
152	4	0.04	-0.06	-0.11	0.0	3.74e-06	-2.60e-05
152	17	-3.37	-0.55	-0.16	0.0	-2.29e-03	-1.36e-05
152	19	3.41	0.87	0.04	0.0	2.29e-03	-1.37e-05
152	26	-2.99	-1.08	-0.15	0.0	-2.05e-03	6.02e-05
152	49	-2.92	-0.44	-0.15	0.0	-1.98e-03	-1.42e-05
152	51	2.96	0.77	0.02	0.0	1.98e-03	-1.31e-05
152	70	-0.45	-0.95	-0.07	0.0	-3.41e-04	-5.52e-05
152	81	-2.54	-0.38	-0.14	0.0	-1.72e-03	-1.43e-05
152	83	2.59	0.67	0.01	0.0	1.72e-03	-1.31e-05
152	102	-0.38	-0.84	-0.07	0.0	-2.90e-04	-5.09e-05
152	113	-4.18	-0.70	-0.19	0.0	-2.84e-03	-1.38e-05
152	115	4.23	1.07	0.06	0.0	2.85e-03	-1.32e-05
152	122	-3.81	-1.34	-0.17	0.0	-2.61e-03	7.34e-05
152	146	0.03	-0.05	-0.07	0.0	2.61e-06	-1.82e-05
152	151	0.02	-0.04	-0.06	0.0	2.15e-06	-1.50e-05
152	156	0.02	-0.04	-0.06	0.0	2.04e-06	-1.42e-05
153	4	0.04	-0.06	-0.14	0.0	-1.40e-05	-2.63e-05
153	17	-4.78	-0.75	-0.22	0.0	-2.52e-03	1.46e-04
153	19	4.82	1.20	0.05	0.0	2.50e-03	-1.74e-04
153	26	-4.26	-1.46	-0.20	0.0	-2.26e-03	1.81e-04
153	48	4.18	0.52	0.04	0.0	2.15e-03	-1.59e-04
153	49	-4.13	-0.59	-0.20	0.0	-2.17e-03	1.30e-04
153	70	-0.67	-1.27	-0.10	0.0	-3.98e-04	-4.48e-05
153	80	3.64	0.44	0.02	0.0	1.87e-03	-1.41e-04
153	81	-3.60	-0.51	-0.19	0.0	-1.89e-03	1.12e-04
153	102	-0.56	-1.13	-0.10	0.0	-3.41e-04	-4.25e-05
153	113	-5.93	-0.95	-0.26	0.0	-3.13e-03	1.82e-04
153	115	5.97	1.49	0.08	0.0	3.11e-03	-2.10e-04
153	122	-5.42	-1.81	-0.24	0.0	-2.88e-03	2.31e-04
153	146	0.03	-0.04	-0.10	0.0	-9.79e-06	-1.84e-05
153	151	0.02	-0.04	-0.09	0.0	-8.08e-06	-1.52e-05
153	156	0.02	-0.03	-0.08	0.0	-7.65e-06	-1.44e-05
154	4	0.03	-0.04	-0.20	0.0	-3.15e-05	-1.94e-05
154	16	6.34	0.90	0.06	0.0	2.65e-03	-3.57e-04
154	17	-6.31	-0.94	-0.29	0.0	-2.69e-03	3.36e-04
154	26	-5.64	-1.84	-0.26	0.0	-2.42e-03	3.62e-04
154	48	5.48	0.69	0.03	0.0	2.28e-03	-3.14e-04
154	49	-5.45	-0.74	-0.26	0.0	-2.31e-03	2.92e-04
154	58	-4.57	-1.59	-0.23	0.0	-1.96e-03	2.93e-04

154	80	4.78	0.59	0.01	0.0	1.98e-03	-2.75e-04
154	81	-4.75	-0.64	-0.24	0.0	-2.02e-03	2.54e-04
154	102	-0.78	-1.41	-0.13	0.0	-3.82e-04	-1.59e-05
154	112	7.86	1.15	0.10	0.0	3.30e-03	-4.39e-04
154	113	-7.83	-1.20	-0.33	0.0	-3.33e-03	4.17e-04
154	122	-7.18	-2.29	-0.31	0.0	-3.08e-03	4.62e-04
154	146	0.02	-0.03	-0.14	0.0	-2.20e-05	-1.35e-05
154	151	0.02	-0.02	-0.12	0.0	-1.82e-05	-1.12e-05
154	156	0.01	-0.02	-0.12	0.0	-1.72e-05	-1.06e-05
155	4	6.75e-04	0.01	-0.32	-2.52e-04	-7.76e-06	0.0
155	16	7.92	1.13	0.03	-1.48e-04	3.18e-03	-5.72e-04
155	17	-7.92	-1.12	-0.39	-1.27e-04	-3.19e-03	5.73e-04
155	23	7.10	2.22	3.51e-04	-1.91e-04	2.88e-03	-5.89e-04
155	48	6.84	0.89	-1.64e-03	-1.47e-04	2.71e-03	-4.94e-04
155	49	-6.84	-0.88	-0.36	-1.28e-04	-2.72e-03	4.95e-04
155	55	5.75	1.91	-0.04	-1.90e-04	2.30e-03	-4.74e-04
155	80	5.96	0.76	-0.02	-1.46e-04	2.35e-03	-4.31e-04
155	81	-5.96	-0.75	-0.34	-1.29e-04	-2.36e-03	4.32e-04
155	99	1.02	1.69	-0.16	-2.01e-04	4.86e-04	-2.87e-05
155	112	9.83	1.45	0.08	-1.50e-04	3.96e-03	-7.08e-04
155	113	-9.83	-1.43	-0.44	-1.25e-04	-3.97e-03	7.09e-04
155	119	9.03	2.76	0.05	-2.02e-04	3.67e-03	-7.50e-04
155	146	4.70e-04	7.81e-03	-0.23	-1.76e-04	-5.42e-06	0.0
155	151	3.84e-04	6.01e-03	-0.19	-1.45e-04	-4.77e-06	0.0
155	154	3.72e-04	6.03e-03	-0.19	-1.41e-04	-4.35e-06	0.0
155	156	3.63e-04	5.69e-03	-0.18	-1.38e-04	-4.47e-06	0.0
156	4	0.01	-0.03	-0.03	0.0	2.03e-05	-1.05e-05
156	16	1.06	0.14	0.01	0.0	1.87e-03	1.61e-05
156	22	-1.04	-0.30	-0.04	0.0	-1.85e-03	-2.83e-05
156	26	-0.91	-0.34	-0.04	0.0	-1.63e-03	-3.85e-05
156	48	0.92	0.10	8.27e-03	0.0	1.63e-03	1.17e-05
156	54	-0.91	-0.27	-0.04	0.0	-1.61e-03	-2.39e-05
156	70	-0.13	-0.31	-0.02	0.0	-2.35e-04	-3.70e-05
156	80	0.80	0.09	5.12e-03	0.0	1.42e-03	9.36e-06
156	86	-0.79	-0.23	-0.04	0.0	-1.40e-03	-2.14e-05
156	102	-0.11	-0.27	-0.02	0.0	-1.98e-04	-3.36e-05
156	112	1.31	0.18	0.02	0.0	2.32e-03	2.20e-05
156	118	-1.29	-0.36	-0.05	0.0	-2.30e-03	-3.44e-05
156	122	-1.16	-0.42	-0.05	0.0	-2.07e-03	-4.33e-05
156	146	9.76e-03	-0.02	-0.02	0.0	1.41e-05	-7.37e-06
156	151	8.05e-03	-0.02	-0.02	0.0	1.17e-05	-6.08e-06
156	156	7.62e-03	-0.02	-0.02	0.0	1.10e-05	-5.77e-06
157	1	0.0	0.0	0.0	0.0	1.14e-05	0.0
157	15	0.0	0.0	0.0	0.0	1.73e-03	0.0
157	47	0.0	0.0	0.0	0.0	1.49e-03	0.0
157	79	0.0	0.0	0.0	0.0	1.30e-03	0.0
157	111	0.0	0.0	0.0	0.0	2.15e-03	1.26e-06
157	143	0.0	0.0	0.0	0.0	8.28e-06	0.0
157	150	0.0	0.0	0.0	0.0	8.28e-06	0.0
157	155	0.0	0.0	0.0	0.0	8.28e-06	0.0
158	4	0.02	-0.05	-0.05	0.0	1.27e-05	-1.82e-05
158	16	2.18	0.30	0.02	0.0	2.01e-03	-1.05e-05
158	22	-2.15	-0.61	-0.09	0.0	-2.00e-03	-1.06e-05
158	26	-1.89	-0.70	-0.08	0.0	-1.76e-03	3.85e-05
158	48	1.89	0.22	0.02	0.0	1.74e-03	-1.02e-05
158	54	-1.87	-0.55	-0.08	0.0	-1.73e-03	-1.07e-05
158	70	-0.27	-0.62	-0.04	0.0	-2.69e-04	-3.61e-05
158	80	1.65	0.19	0.01	0.0	1.52e-03	-1.02e-05
158	86	-1.63	-0.48	-0.07	0.0	-1.51e-03	-1.07e-05
158	102	-0.23	-0.56	-0.04	0.0	-2.27e-04	-3.34e-05
158	112	2.69	0.39	0.04	0.0	2.49e-03	-1.03e-05
158	118	-2.67	-0.74	-0.10	0.0	-2.48e-03	-1.10e-05
158	122	-2.40	-0.87	-0.09	0.0	-2.24e-03	4.77e-05
158	146	0.02	-0.04	-0.04	0.0	8.84e-06	-1.28e-05
158	151	0.01	-0.03	-0.03	0.0	7.29e-06	-1.05e-05
158	156	0.01	-0.03	-0.03	0.0	6.90e-06	-9.99e-06
159	4	0.03	-0.06	-0.08	0.0	1.64e-06	-2.25e-05
159	16	3.40	0.48	0.04	0.0	2.19e-03	-1.23e-04
159	22	-3.37	-0.94	-0.13	0.0	-2.19e-03	9.75e-05
159	26	-2.96	-1.08	-0.12	0.0	-1.94e-03	1.24e-04
159	48	2.95	0.37	0.02	0.0	1.89e-03	-1.12e-04
159	54	-2.92	-0.84	-0.12	0.0	-1.89e-03	8.65e-05
159	70	-0.44	-0.95	-0.06	0.0	-3.14e-04	-3.62e-05
159	80	2.58	0.31	0.01	0.0	1.65e-03	-9.99e-05
159	86	-2.54	-0.74	-0.11	0.0	-1.65e-03	7.42e-05

159	102	-0.37	-0.84	-0.06	0.0	-2.68e-04	-3.43e-05
159	112	4.21	0.62	0.06	0.0	2.72e-03	-1.48e-04
159	118	-4.18	-1.14	-0.15	0.0	-2.72e-03	1.22e-04
159	122	-3.77	-1.34	-0.14	0.0	-2.47e-03	1.58e-04
159	146	0.02	-0.05	-0.06	0.0	1.15e-06	-1.58e-05
159	151	0.02	-0.04	-0.05	0.0	0.0	-1.30e-05
159	156	0.02	-0.04	-0.05	0.0	0.0	-1.23e-05
160	4	0.03	-0.06	-0.11	0.0	-1.07e-05	-2.22e-05
160	16	4.74	0.68	0.04	0.0	2.37e-03	-2.49e-04
160	22	-4.71	-1.27	-0.17	0.0	-2.38e-03	2.24e-04
160	26	-4.15	-1.46	-0.16	0.0	-2.12e-03	2.48e-04
160	48	4.10	0.52	0.03	0.0	2.04e-03	-2.21e-04
160	54	-4.07	-1.14	-0.16	0.0	-2.05e-03	1.95e-04
160	70	-0.64	-1.27	-0.08	0.0	-3.60e-04	-2.39e-05
160	80	3.58	0.44	0.02	0.0	1.78e-03	-1.94e-04
160	86	-3.55	-1.00	-0.15	0.0	-1.79e-03	1.69e-04
160	102	-0.54	-1.13	-0.08	0.0	-3.08e-04	-2.41e-05
160	112	5.87	0.88	0.07	0.0	2.94e-03	-3.05e-04
160	118	-5.84	-1.55	-0.20	0.0	-2.95e-03	2.79e-04
160	122	-5.28	-1.81	-0.19	0.0	-2.69e-03	3.17e-04
160	146	0.02	-0.04	-0.08	0.0	-7.44e-06	-1.55e-05
160	151	0.02	-0.04	-0.07	0.0	-6.14e-06	-1.28e-05
160	156	0.01	-0.03	-0.06	0.0	-5.81e-06	-1.22e-05
161	4	0.02	-0.04	-0.16	0.0	-2.10e-05	-1.54e-05
161	16	6.17	0.90	0.04	0.0	2.49e-03	-4.03e-04
161	22	-6.15	-1.60	-0.22	0.0	-2.51e-03	3.86e-04
161	26	-5.44	-1.84	-0.21	0.0	-2.24e-03	4.07e-04
161	48	5.33	0.70	0.03	0.0	2.14e-03	-3.52e-04
161	54	-5.31	-1.43	-0.20	0.0	-2.16e-03	3.34e-04
161	58	-4.41	-1.59	-0.19	0.0	-1.81e-03	3.28e-04
161	80	4.65	0.59	0.01	0.0	1.86e-03	-3.08e-04
161	86	-4.63	-1.25	-0.19	0.0	-1.88e-03	2.90e-04
161	102	-0.73	-1.41	-0.11	0.0	-3.38e-04	-2.59e-06
161	112	7.65	1.15	0.08	0.0	3.09e-03	-4.97e-04
161	118	-7.63	-1.97	-0.26	0.0	-3.12e-03	4.79e-04
161	122	-6.92	-2.29	-0.24	0.0	-2.85e-03	5.20e-04
161	146	0.01	-0.03	-0.11	0.0	-1.47e-05	-1.07e-05
161	151	9.49e-03	-0.02	-0.09	0.0	-1.21e-05	-8.87e-06
161	156	8.98e-03	-0.02	-0.09	0.0	-1.15e-05	-8.41e-06
162	4	4.29e-04	0.01	-0.25	-1.90e-04	-7.65e-06	0.0
162	16	7.65	1.13	0.02	-1.40e-04	3.08e-03	-5.72e-04
162	22	-7.64	-1.92	-0.30	-3.81e-05	-3.09e-03	5.72e-04
162	23	6.78	2.22	-1.29e-03	-1.75e-04	2.76e-03	-5.90e-04
162	48	6.60	0.89	-7.87e-03	-1.33e-04	2.63e-03	-4.95e-04
162	54	-6.60	-1.71	-0.28	-4.40e-05	-2.63e-03	4.95e-04
162	55	5.49	1.91	-0.03	-1.66e-04	2.21e-03	-4.75e-04
162	80	5.75	0.76	-0.03	-1.29e-04	2.28e-03	-4.31e-04
162	86	-5.75	-1.49	-0.26	-5.12e-05	-2.29e-03	4.31e-04
162	99	0.94	1.69	-0.12	-1.62e-04	4.50e-04	-2.94e-05
162	112	9.49	1.45	0.05	-1.50e-04	3.83e-03	-7.09e-04
162	118	-9.49	-2.36	-0.34	-2.36e-05	-3.84e-03	7.08e-04
162	119	8.62	2.76	0.04	-1.92e-04	3.52e-03	-7.51e-04
162	146	2.99e-04	8.03e-03	-0.18	-1.32e-04	-5.29e-06	0.0
162	151	2.41e-04	6.19e-03	-0.15	-1.09e-04	-4.68e-06	0.0
162	154	2.37e-04	6.20e-03	-0.15	-1.06e-04	-4.16e-06	0.0
162	156	2.28e-04	5.86e-03	-0.14	-1.04e-04	-4.34e-06	0.0
163	4	9.09e-03	-0.03	-0.02	0.0	1.31e-05	-8.06e-06
163	16	1.05	0.14	0.02	0.0	1.84e-03	-7.43e-05
163	22	-1.04	-0.29	-0.04	0.0	-1.83e-03	6.49e-05
163	26	-0.90	-0.34	-0.04	0.0	-1.59e-03	6.78e-05
163	48	0.91	0.10	0.01	0.0	1.60e-03	-6.53e-05
163	54	-0.90	-0.26	-0.04	0.0	-1.59e-03	5.60e-05
163	70	-0.12	-0.31	-0.02	0.0	-2.23e-04	-3.95e-06
163	80	0.80	0.08	7.87e-03	0.0	1.40e-03	-5.75e-05
163	86	-0.79	-0.23	-0.03	0.0	-1.38e-03	4.82e-05
163	102	-0.10	-0.27	-0.02	0.0	-1.88e-04	-4.44e-06
163	112	1.30	0.18	0.02	0.0	2.28e-03	-9.09e-05
163	118	-1.29	-0.36	-0.05	0.0	-2.27e-03	8.13e-05
163	122	-1.14	-0.42	-0.05	0.0	-2.02e-03	8.74e-05
163	146	6.33e-03	-0.02	-0.02	0.0	9.13e-06	-5.64e-06
163	151	5.22e-03	-0.02	-0.01	0.0	7.53e-06	-4.65e-06
163	156	4.94e-03	-0.02	-0.01	0.0	7.12e-06	-4.41e-06
164	1	0.0	0.0	0.0	0.0	7.26e-06	0.0
164	15	0.0	0.0	0.0	0.0	1.71e-03	-3.53e-06
164	47	0.0	0.0	0.0	0.0	1.47e-03	-3.02e-06

164	79	0.0	0.0	0.0	0.0	1.28e-03	-2.68e-06
164	111	0.0	0.0	0.0	0.0	2.12e-03	-4.31e-06
164	143	0.0	0.0	0.0	0.0	5.29e-06	0.0
164	150	0.0	0.0	0.0	0.0	5.29e-06	0.0
164	155	0.0	0.0	0.0	0.0	5.29e-06	0.0
165	4	0.02	-0.05	-0.04	0.0	7.91e-06	-1.43e-05
165	16	2.14	0.30	0.03	0.0	1.95e-03	-1.61e-04
165	22	-2.12	-0.61	-0.08	0.0	-1.94e-03	1.44e-04
165	26	-1.84	-0.70	-0.08	0.0	-1.69e-03	1.50e-04
165	48	1.86	0.22	0.02	0.0	1.69e-03	-1.41e-04
165	54	-1.84	-0.55	-0.08	0.0	-1.68e-03	1.24e-04
165	70	-0.26	-0.62	-0.04	0.0	-2.49e-04	-4.19e-06
165	80	1.63	0.19	0.02	0.0	1.48e-03	-1.24e-04
165	86	-1.61	-0.48	-0.07	0.0	-1.47e-03	1.07e-04
165	102	-0.22	-0.56	-0.04	0.0	-2.11e-04	-5.55e-06
165	112	2.65	0.39	0.05	0.0	2.42e-03	-1.97e-04
165	118	-2.63	-0.74	-0.10	0.0	-2.41e-03	1.80e-04
165	122	-2.34	-0.87	-0.10	0.0	-2.15e-03	1.93e-04
165	146	0.01	-0.04	-0.03	0.0	5.51e-06	-9.97e-06
165	151	9.18e-03	-0.03	-0.03	0.0	4.55e-06	-8.23e-06
165	156	8.67e-03	-0.03	-0.02	0.0	4.30e-06	-7.81e-06
166	4	0.02	-0.06	-0.06	0.0	0.0	-1.75e-05
166	16	3.32	0.48	0.05	0.0	2.11e-03	-2.56e-04
166	22	-3.30	-0.94	-0.13	0.0	-2.10e-03	2.35e-04
166	26	-2.87	-1.08	-0.12	0.0	-1.85e-03	2.44e-04
166	48	2.88	0.36	0.03	0.0	1.82e-03	-2.23e-04
166	54	-2.86	-0.84	-0.11	0.0	-1.82e-03	2.03e-04
166	70	-0.41	-0.95	-0.07	0.0	-2.87e-04	0.0
166	80	2.51	0.31	0.02	0.0	1.59e-03	-1.96e-04
166	86	-2.49	-0.74	-0.10	0.0	-1.59e-03	1.76e-04
166	102	-0.35	-0.84	-0.06	0.0	-2.44e-04	-2.63e-06
166	112	4.11	0.62	0.07	0.0	2.61e-03	-3.14e-04
166	118	-4.09	-1.14	-0.15	0.0	-2.61e-03	2.94e-04
166	122	-3.65	-1.33	-0.14	0.0	-2.35e-03	3.13e-04
166	146	0.01	-0.04	-0.05	0.0	0.0	-1.23e-05
166	151	0.01	-0.04	-0.04	0.0	0.0	-1.01e-05
166	156	0.01	-0.04	-0.04	0.0	0.0	-9.61e-06
167	4	0.02	-0.06	-0.09	0.0	-7.29e-06	-1.66e-05
167	16	4.60	0.68	0.06	0.0	2.26e-03	-3.57e-04
167	22	-4.58	-1.27	-0.17	0.0	-2.27e-03	3.38e-04
167	26	-4.00	-1.46	-0.16	0.0	-2.00e-03	3.50e-04
167	48	3.98	0.52	0.04	0.0	1.95e-03	-3.11e-04
167	54	-3.97	-1.14	-0.15	0.0	-1.96e-03	2.92e-04
167	70	-0.59	-1.27	-0.09	0.0	-3.25e-04	8.20e-06
167	80	3.48	0.44	0.03	0.0	1.70e-03	-2.72e-04
167	86	-3.46	-1.00	-0.14	0.0	-1.71e-03	2.53e-04
167	102	-0.50	-1.13	-0.08	0.0	-2.78e-04	4.13e-06
167	112	5.70	0.88	0.09	0.0	2.81e-03	-4.40e-04
167	118	-5.68	-1.55	-0.20	0.0	-2.82e-03	4.20e-04
167	122	-5.08	-1.81	-0.19	0.0	-2.54e-03	4.48e-04
167	146	0.01	-0.04	-0.06	0.0	-5.08e-06	-1.16e-05
167	151	9.50e-03	-0.04	-0.05	0.0	-4.19e-06	-9.61e-06
167	156	8.98e-03	-0.03	-0.05	0.0	-3.96e-06	-9.13e-06
168	4	9.82e-03	-0.04	-0.12	0.0	-1.31e-05	-1.09e-05
168	16	5.96	0.90	0.07	0.0	2.37e-03	-4.65e-04
168	22	-5.95	-1.60	-0.22	0.0	-2.39e-03	4.52e-04
168	26	-5.21	-1.84	-0.21	0.0	-2.11e-03	4.67e-04
168	48	5.16	0.70	0.04	0.0	2.04e-03	-4.04e-04
168	54	-5.15	-1.43	-0.20	0.0	-2.06e-03	3.91e-04
168	58	-4.22	-1.59	-0.18	0.0	-1.70e-03	3.75e-04
168	80	4.50	0.59	0.03	0.0	1.78e-03	-3.52e-04
168	86	-4.49	-1.25	-0.18	0.0	-1.79e-03	3.40e-04
168	102	-0.67	-1.41	-0.11	0.0	-3.02e-04	1.49e-05
168	112	7.39	1.15	0.10	0.0	2.95e-03	-5.74e-04
168	118	-7.38	-1.96	-0.25	0.0	-2.96e-03	5.61e-04
168	122	-6.62	-2.29	-0.24	0.0	-2.68e-03	5.97e-04
168	146	6.84e-03	-0.03	-0.09	0.0	-9.14e-06	-7.63e-06
168	151	5.64e-03	-0.02	-0.07	0.0	-7.54e-06	-6.31e-06
168	156	5.33e-03	-0.02	-0.07	0.0	-7.13e-06	-5.99e-06
169	4	2.09e-04	0.01	-0.19	-1.53e-04	-8.86e-06	0.0
169	11	2.17e-04	0.01	-0.19	-1.41e-04	-6.03e-06	0.0
169	16	7.37	1.14	0.05	-1.87e-04	2.94e-03	-5.73e-04
169	22	-7.37	-1.92	-0.28	4.99e-05	-2.95e-03	5.72e-04
169	23	6.46	2.22	0.05	-2.17e-04	2.62e-03	-5.90e-04
169	48	6.37	0.89	0.02	-1.69e-04	2.51e-03	-4.96e-04

169	54	-6.37	-1.71	-0.26	3.29e-05	-2.52e-03	4.95e-04
169	55	5.24	1.91	0.02	-1.95e-04	2.09e-03	-4.75e-04
169	80	5.55	0.76	6.14e-03	-1.58e-04	2.18e-03	-4.32e-04
169	86	-5.55	-1.49	-0.24	1.81e-05	-2.19e-03	4.31e-04
169	99	0.86	1.69	-0.07	-1.56e-04	4.07e-04	-2.95e-05
169	112	9.14	1.45	0.09	-2.14e-04	3.66e-03	-7.10e-04
169	118	-9.14	-2.36	-0.33	8.15e-05	-3.67e-03	7.09e-04
169	119	8.22	2.76	0.09	-2.52e-04	3.34e-03	-7.52e-04
169	146	1.46e-04	8.16e-03	-0.14	-1.07e-04	-6.09e-06	0.0
169	149	1.51e-04	8.01e-03	-0.13	-9.89e-05	-4.20e-06	0.0
169	151	1.13e-04	6.30e-03	-0.12	-8.82e-05	-5.37e-06	0.0
169	154	1.16e-04	6.30e-03	-0.12	-8.58e-05	-4.70e-06	0.0
169	156	1.09e-04	5.96e-03	-0.11	-8.36e-05	-4.93e-06	0.0
170	4	5.59e-03	-0.03	-0.02	0.0	7.92e-06	-5.59e-06
170	16	0.99	0.14	0.03	0.0	1.74e-03	-1.62e-04
170	22	-0.93	-0.29	-0.05	0.0	-1.64e-03	1.64e-04
170	26	-0.84	-0.34	-0.05	0.0	-1.49e-03	1.67e-04
170	48	0.86	0.10	0.02	0.0	1.52e-03	-1.37e-04
170	54	-0.79	-0.26	-0.05	0.0	-1.40e-03	1.41e-04
170	70	-0.11	-0.31	-0.03	0.0	-1.97e-04	5.30e-05
170	80	0.75	0.08	0.02	0.0	1.33e-03	-1.20e-04
170	86	-0.69	-0.23	-0.04	0.0	-1.22e-03	1.22e-04
170	102	-0.09	-0.27	-0.02	0.0	-1.66e-04	4.60e-05
170	112	1.22	0.18	0.04	0.0	2.16e-03	-2.01e-04
170	118	-1.15	-0.36	-0.06	0.0	-2.04e-03	2.05e-04
170	122	-1.07	-0.42	-0.06	0.0	-1.89e-03	2.12e-04
170	146	3.89e-03	-0.02	-0.01	0.0	5.50e-06	-3.91e-06
170	151	3.21e-03	-0.02	-0.01	0.0	4.54e-06	-3.20e-06
170	156	3.02e-03	-0.02	-0.01	0.0	4.27e-06	-3.04e-06
171	1	0.0	0.0	0.0	0.0	4.30e-06	0.0
171	15	0.0	0.0	0.0	0.0	1.60e-03	-8.81e-06
171	47	0.0	0.0	0.0	0.0	1.38e-03	-7.61e-06
171	79	0.0	0.0	0.0	0.0	1.20e-03	-6.66e-06
171	111	0.0	0.0	0.0	0.0	1.99e-03	-1.09e-05
171	143	0.0	0.0	0.0	0.0	3.13e-06	0.0
171	150	0.0	0.0	0.0	0.0	3.13e-06	0.0
171	155	0.0	0.0	0.0	0.0	3.13e-06	0.0
172	4	9.67e-03	-0.05	-0.03	0.0	4.49e-06	-1.03e-05
172	16	2.03	0.30	0.06	0.0	1.86e-03	-3.03e-04
172	22	-1.90	-0.61	-0.10	0.0	-1.76e-03	2.91e-04
172	26	-1.73	-0.70	-0.10	0.0	-1.60e-03	2.84e-04
172	48	1.76	0.22	0.05	0.0	1.62e-03	-2.61e-04
172	54	-1.63	-0.55	-0.09	0.0	-1.51e-03	2.49e-04
172	70	-0.23	-0.62	-0.05	0.0	-2.23e-04	3.45e-05
172	80	1.54	0.19	0.04	0.0	1.41e-03	-2.28e-04
172	86	-1.42	-0.48	-0.08	0.0	-1.31e-03	2.16e-04
172	102	-0.19	-0.56	-0.05	0.0	-1.89e-04	2.83e-05
172	112	2.51	0.39	0.08	0.0	2.31e-03	-3.75e-04
172	118	-2.37	-0.74	-0.13	0.0	-2.19e-03	3.63e-04
172	122	-2.19	-0.87	-0.12	0.0	-2.03e-03	3.63e-04
172	146	6.72e-03	-0.04	-0.02	0.0	3.12e-06	-7.20e-06
172	151	5.54e-03	-0.03	-0.02	0.0	2.57e-06	-5.93e-06
172	156	5.22e-03	-0.03	-0.02	0.0	2.41e-06	-5.64e-06
173	4	0.01	-0.06	-0.05	0.0	0.0	-1.27e-05
173	16	3.16	0.48	0.09	0.0	1.93e-03	-3.95e-04
173	22	-2.97	-0.94	-0.16	0.0	-2.03e-03	3.80e-04
173	26	-2.70	-1.08	-0.15	0.0	-1.86e-03	3.76e-04
173	48	2.74	0.36	0.07	0.0	1.65e-03	-3.41e-04
173	54	-2.54	-0.84	-0.14	0.0	-1.76e-03	3.26e-04
173	70	-0.37	-0.94	-0.08	0.0	-6.29e-04	3.98e-05
173	80	2.39	0.31	0.06	0.0	1.43e-03	-2.97e-04
173	86	-2.21	-0.74	-0.12	0.0	-1.53e-03	2.83e-04
173	102	-0.31	-0.84	-0.07	0.0	-5.52e-04	3.23e-05
173	112	3.91	0.62	0.11	0.0	2.40e-03	-4.88e-04
173	118	-3.70	-1.14	-0.19	0.0	-2.52e-03	4.73e-04
173	122	-3.43	-1.33	-0.18	0.0	-2.35e-03	4.81e-04
173	146	7.68e-03	-0.04	-0.03	0.0	0.0	-8.89e-06
173	151	6.33e-03	-0.04	-0.03	0.0	0.0	-7.34e-06
173	156	5.96e-03	-0.04	-0.03	0.0	0.0	-6.99e-06
174	4	9.45e-03	-0.06	-0.07	0.0	-4.61e-06	-1.17e-05
174	16	4.39	0.68	0.11	0.0	2.09e-03	-4.69e-04
174	22	-4.15	-1.27	-0.21	0.0	-2.20e-03	4.55e-04
174	26	-3.78	-1.46	-0.20	0.0	-2.02e-03	4.56e-04
174	48	3.81	0.52	0.09	0.0	1.78e-03	-4.05e-04
174	54	-3.55	-1.13	-0.18	0.0	-1.90e-03	3.91e-04

174	70	-0.53	-1.27	-0.10	0.0	-6.71e-04	4.18e-05
174	80	3.33	0.44	0.07	0.0	1.55e-03	-3.53e-04
174	86	-3.09	-1.00	-0.16	0.0	-1.66e-03	3.39e-04
174	102	-0.45	-1.13	-0.09	0.0	-5.88e-04	3.37e-05
174	112	5.44	0.88	0.15	0.0	2.60e-03	-5.80e-04
174	118	-5.16	-1.55	-0.25	0.0	-2.73e-03	5.65e-04
174	122	-4.80	-1.81	-0.24	0.0	-2.55e-03	5.84e-04
174	146	6.56e-03	-0.04	-0.05	0.0	-3.20e-06	-8.21e-06
174	151	5.40e-03	-0.04	-0.04	0.0	-2.65e-06	-6.80e-06
174	156	5.08e-03	-0.03	-0.04	0.0	-2.49e-06	-6.48e-06
175	4	5.41e-03	-0.04	-0.09	0.0	-7.68e-06	-7.42e-06
175	16	5.72	0.90	0.13	0.0	2.21e-03	-5.30e-04
175	22	-5.42	-1.60	-0.26	0.0	-2.32e-03	5.21e-04
175	26	-4.94	-1.84	-0.25	0.0	-2.13e-03	5.30e-04
175	48	4.96	0.70	0.10	0.0	1.88e-03	-4.58e-04
175	54	-4.63	-1.43	-0.23	0.0	-2.00e-03	4.49e-04
175	58	-4.01	-1.59	-0.21	0.0	-1.75e-03	4.24e-04
175	80	4.32	0.59	0.08	0.0	1.63e-03	-3.99e-04
175	86	-4.03	-1.25	-0.21	0.0	-1.74e-03	3.90e-04
175	102	-0.61	-1.41	-0.12	0.0	-6.13e-04	3.30e-05
175	112	7.09	1.15	0.18	0.0	2.75e-03	-6.56e-04
175	118	-6.74	-1.96	-0.31	0.0	-2.88e-03	6.47e-04
175	122	-6.28	-2.28	-0.30	0.0	-2.70e-03	6.76e-04
175	146	3.75e-03	-0.03	-0.07	0.0	-5.33e-06	-5.22e-06
175	151	3.08e-03	-0.02	-0.06	0.0	-4.39e-06	-4.34e-06
175	156	2.90e-03	-0.02	-0.06	0.0	-4.13e-06	-4.14e-06
176	3	-6.50e-05	0.01	-0.14	-1.29e-04	-1.26e-05	0.0
176	4	-3.98e-05	0.01	-0.15	-1.37e-04	-1.15e-05	0.0
176	17	-7.09	-1.12	-0.31	1.15e-04	-2.68e-03	5.73e-04
176	22	-6.74	-1.92	-0.33	1.51e-04	-2.78e-03	5.73e-04
176	23	6.14	2.22	0.14	-2.94e-04	2.53e-03	-5.90e-04
176	49	-6.14	-0.88	-0.27	8.30e-05	-2.27e-03	4.96e-04
176	54	-5.75	-1.71	-0.29	1.21e-04	-2.37e-03	4.95e-04
176	55	4.98	1.91	0.10	-2.55e-04	2.05e-03	-4.75e-04
176	81	-5.35	-0.75	-0.25	6.19e-05	-1.97e-03	4.32e-04
176	86	-5.01	-1.49	-0.27	9.55e-05	-2.06e-03	4.31e-04
176	99	0.77	1.69	-9.37e-03	-1.73e-04	6.69e-04	-2.97e-05
176	113	-8.80	-1.43	-0.36	1.63e-04	-3.34e-03	7.09e-04
176	118	-8.39	-2.36	-0.39	2.05e-04	-3.45e-03	7.09e-04
176	119	7.81	2.76	0.20	-3.53e-04	3.21e-03	-7.52e-04
176	145	-4.43e-05	7.47e-03	-0.10	-9.07e-05	-8.64e-06	0.0
176	146	-2.75e-05	8.33e-03	-0.10	-9.58e-05	-7.90e-06	0.0
176	151	-3.28e-05	6.43e-03	-0.09	-7.88e-05	-6.91e-06	0.0
176	156	-2.90e-05	6.08e-03	-0.09	-7.48e-05	-6.34e-06	0.0
177	4	3.39e-03	-0.03	-0.02	0.0	4.40e-06	-3.43e-06
177	16	0.87	0.13	0.05	0.0	1.58e-03	-2.58e-04
177	22	-0.81	-0.29	-0.07	0.0	-1.48e-03	2.64e-04
177	26	-0.73	-0.34	-0.07	0.0	-1.32e-03	2.57e-04
177	48	0.76	0.10	0.04	0.0	1.38e-03	-2.19e-04
177	54	-0.70	-0.26	-0.07	0.0	-1.27e-03	2.26e-04
177	70	-0.08	-0.31	-0.04	0.0	-1.58e-04	7.60e-05
177	80	0.67	0.08	0.03	0.0	1.20e-03	-1.91e-04
177	86	-0.61	-0.23	-0.06	0.0	-1.10e-03	1.97e-04
177	102	-0.07	-0.27	-0.03	0.0	-1.33e-04	6.60e-05
177	112	1.08	0.18	0.06	0.0	1.95e-03	-3.21e-04
177	118	-1.01	-0.35	-0.09	0.0	-1.84e-03	3.29e-04
177	122	-0.93	-0.42	-0.09	0.0	-1.68e-03	3.27e-04
177	146	2.35e-03	-0.02	-0.01	0.0	3.04e-06	-2.39e-06
177	151	1.95e-03	-0.02	-0.01	0.0	2.51e-06	-1.93e-06
177	156	1.83e-03	-0.02	-0.01	0.0	2.34e-06	-1.83e-06
178	1	0.0	0.0	0.0	0.0	2.43e-06	0.0
178	15	0.0	0.0	0.0	0.0	1.41e-03	-1.30e-05
178	47	0.0	0.0	0.0	0.0	1.21e-03	-1.12e-05
178	79	0.0	0.0	0.0	0.0	1.06e-03	-9.73e-06
178	111	0.0	0.0	0.0	0.0	1.75e-03	-1.61e-05
178	143	0.0	0.0	0.0	0.0	1.76e-06	0.0
178	150	0.0	0.0	0.0	0.0	1.76e-06	0.0
178	155	0.0	0.0	0.0	0.0	1.76e-06	0.0
179	4	5.44e-03	-0.05	-0.03	0.0	2.04e-06	-7.30e-06
179	16	1.83	0.30	0.10	0.0	1.65e-03	-4.01e-04
179	22	-1.71	-0.61	-0.15	0.0	-1.65e-03	4.09e-04
179	26	-1.54	-0.70	-0.14	0.0	-1.59e-03	4.08e-04
179	48	1.60	0.22	0.08	0.0	1.41e-03	-3.40e-04
179	54	-1.47	-0.54	-0.13	0.0	-1.41e-03	3.50e-04
179	70	-0.18	-0.62	-0.07	0.0	-5.68e-04	1.23e-04

179	80	1.40	0.19	0.07	0.0	1.23e-03	-2.96e-04
179	86	-1.28	-0.48	-0.12	0.0	-1.23e-03	3.04e-04
179	102	-0.15	-0.56	-0.06	0.0	-4.99e-04	1.07e-04
179	112	2.27	0.39	0.13	0.0	2.05e-03	-4.99e-04
179	118	-2.13	-0.74	-0.18	0.0	-2.05e-03	5.10e-04
179	122	-1.95	-0.87	-0.18	0.0	-2.01e-03	5.19e-04
179	146	3.75e-03	-0.04	-0.02	0.0	1.39e-06	-5.11e-06
179	151	3.10e-03	-0.03	-0.02	0.0	1.13e-06	-4.20e-06
179	156	2.90e-03	-0.03	-0.02	0.0	1.04e-06	-4.00e-06
180	4	5.81e-03	-0.06	-0.04	0.0	0.0	-9.32e-06
180	16	2.92	0.48	0.16	0.0	1.86e-03	-4.99e-04
180	22	-2.74	-0.93	-0.22	0.0	-1.86e-03	4.88e-04
180	26	-2.46	-1.08	-0.21	0.0	-1.79e-03	4.76e-04
180	48	2.54	0.36	0.13	0.0	1.59e-03	-4.29e-04
180	54	-2.35	-0.84	-0.20	0.0	-1.59e-03	4.18e-04
180	70	-0.31	-0.94	-0.10	0.0	-6.22e-04	6.95e-05
180	80	2.22	0.31	0.11	0.0	1.38e-03	-3.74e-04
180	86	-2.04	-0.74	-0.17	0.0	-1.38e-03	3.63e-04
180	102	-0.26	-0.84	-0.09	0.0	-5.46e-04	5.84e-05
180	112	3.62	0.62	0.20	0.0	2.32e-03	-6.19e-04
180	118	-3.41	-1.14	-0.27	0.0	-2.32e-03	6.08e-04
180	122	-3.13	-1.33	-0.27	0.0	-2.26e-03	6.08e-04
180	146	3.99e-03	-0.04	-0.03	0.0	0.0	-6.55e-06
180	151	3.28e-03	-0.04	-0.02	0.0	0.0	-5.41e-06
180	156	3.05e-03	-0.03	-0.02	0.0	0.0	-5.17e-06
181	4	4.69e-03	-0.06	-0.05	0.0	-2.72e-06	-8.45e-06
181	15	4.13	1.23	0.24	0.0	2.16e-03	-5.18e-04
181	22	-3.89	-1.27	-0.30	0.0	-2.16e-03	5.43e-04
181	26	-3.74	-1.46	-0.29	0.0	-1.97e-03	5.38e-04
181	47	3.59	1.09	0.20	0.0	1.87e-03	-4.38e-04
181	54	-3.33	-1.13	-0.26	0.0	-1.87e-03	4.65e-04
181	70	-1.33	-1.27	-0.13	0.0	-6.70e-04	6.74e-05
181	79	3.13	0.95	0.17	0.0	1.63e-03	-3.81e-04
181	86	-2.90	-1.00	-0.23	0.0	-1.63e-03	4.04e-04
181	102	-1.17	-1.13	-0.12	0.0	-5.88e-04	5.62e-05
181	111	5.12	1.52	0.30	0.0	2.68e-03	-6.46e-04
181	118	-4.84	-1.55	-0.36	0.0	-2.69e-03	6.75e-04
181	122	-4.73	-1.81	-0.35	0.0	-2.49e-03	6.87e-04
181	146	3.20e-03	-0.04	-0.04	0.0	-1.88e-06	-5.96e-06
181	151	2.61e-03	-0.04	-0.03	0.0	-1.57e-06	-4.95e-06
181	156	2.41e-03	-0.03	-0.03	0.0	-1.48e-06	-4.74e-06
182	3	2.48e-03	-0.04	-0.06	0.0	-4.11e-06	-4.83e-06
182	4	2.47e-03	-0.04	-0.07	0.0	-4.10e-06	-5.21e-06
182	15	5.45	1.59	0.29	0.0	2.30e-03	-5.40e-04
182	22	-5.14	-1.60	-0.37	0.0	-2.30e-03	5.80e-04
182	26	-4.94	-1.84	-0.36	0.0	-2.10e-03	5.84e-04
182	47	4.72	1.42	0.25	0.0	1.98e-03	-4.54e-04
182	54	-4.39	-1.43	-0.33	0.0	-1.99e-03	4.99e-04
182	58	-4.10	-1.59	-0.30	0.0	-1.73e-03	4.67e-04
182	79	4.12	1.24	0.21	0.0	1.73e-03	-3.94e-04
182	86	-3.82	-1.25	-0.29	0.0	-1.73e-03	4.34e-04
182	102	-1.52	-1.41	-0.15	0.0	-6.16e-04	4.88e-05
182	111	6.75	1.96	0.37	0.0	2.85e-03	-6.74e-04
182	118	-6.39	-1.96	-0.46	0.0	-2.86e-03	7.21e-04
182	122	-6.25	-2.28	-0.44	0.0	-2.65e-03	7.46e-04
182	145	1.68e-03	-0.03	-0.05	0.0	-2.81e-06	-3.45e-06
182	146	1.68e-03	-0.03	-0.05	0.0	-2.81e-06	-3.70e-06
182	151	1.35e-03	-0.02	-0.04	0.0	-2.31e-06	-3.12e-06
182	156	1.24e-03	-0.02	-0.04	0.0	-2.14e-06	-3.01e-06
183	3	-2.84e-04	0.01	-0.09	-1.27e-04	-1.57e-05	0.0
183	4	-2.64e-04	0.01	-0.09	-1.35e-04	-1.44e-05	0.0
183	18	-6.82	-1.96	-0.46	2.49e-04	-2.61e-03	5.12e-04
183	22	-6.45	-1.92	-0.46	2.49e-04	-2.61e-03	5.75e-04
183	23	6.20	2.22	0.32	-3.85e-04	2.36e-03	-5.93e-04
183	50	-5.91	-1.75	-0.40	2.04e-04	-2.23e-03	4.28e-04
183	54	-5.51	-1.71	-0.40	2.05e-04	-2.23e-03	4.98e-04
183	55	5.13	1.91	0.25	-3.29e-04	1.91e-03	-4.78e-04
183	82	-5.15	-1.53	-0.36	1.69e-04	-1.94e-03	3.72e-04
183	86	-4.79	-1.49	-0.36	1.69e-04	-1.94e-03	4.33e-04
183	99	1.89	1.69	0.08	-2.05e-04	6.39e-04	-3.04e-05
183	114	-8.46	-2.41	-0.55	3.26e-04	-3.24e-03	6.42e-04
183	118	-8.03	-2.36	-0.55	3.26e-04	-3.24e-03	7.13e-04
183	119	7.84	2.76	0.42	-4.68e-04	3.00e-03	-7.56e-04
183	145	-1.96e-04	7.52e-03	-0.06	-8.94e-05	-1.07e-05	0.0
183	146	-1.82e-04	8.38e-03	-0.07	-9.46e-05	-9.85e-06	0.0

183	151	-1.60e-04	6.47e-03	-0.06	-7.79e-05	-8.58e-06	0.0
183	156	-1.48e-04	6.12e-03	-0.06	-7.40e-05	-7.88e-06	0.0
184	3	2.65e-03	-0.03	-0.01	3.76e-05	0.0	3.32e-05
184	4	2.61e-03	-0.03	-0.01	3.94e-05	0.0	3.50e-05
184	11	2.14e-03	-0.03	-0.01	3.60e-05	0.0	3.21e-05
184	16	0.70	0.13	0.15	-2.53e-04	0.0	-2.94e-05
184	22	-0.65	-0.29	-0.19	5.15e-04	0.0	3.98e-05
184	26	-0.57	-0.34	-0.18	5.95e-04	0.0	5.60e-05
184	48	0.62	0.10	0.12	-1.91e-04	0.0	-2.49e-05
184	54	-0.56	-0.26	-0.16	4.62e-04	0.0	3.38e-05
184	70	-0.05	-0.31	-0.08	5.32e-04	0.0	-1.41e-05
184	80	0.54	0.08	0.11	-1.60e-04	0.0	-1.96e-05
184	86	-0.49	-0.23	-0.14	4.07e-04	0.0	3.14e-05
184	102	-0.04	-0.27	-0.07	4.74e-04	0.0	-1.10e-05
184	112	0.87	0.18	0.19	-3.30e-04	0.0	-4.02e-05
184	118	-0.80	-0.35	-0.23	6.27e-04	0.0	4.61e-05
184	122	-0.72	-0.42	-0.22	7.35e-04	0.0	6.67e-05
184	145	1.84e-03	-0.02	-8.37e-03	2.63e-05	0.0	2.32e-05
184	146	1.82e-03	-0.02	-8.69e-03	2.76e-05	0.0	2.44e-05
184	149	1.50e-03	-0.02	-8.74e-03	2.53e-05	0.0	2.25e-05
184	151	1.55e-03	-0.02	-8.10e-03	2.28e-05	0.0	2.01e-05
184	154	1.45e-03	-0.02	-8.14e-03	2.22e-05	0.0	1.95e-05
184	156	1.46e-03	-0.02	-8.01e-03	2.17e-05	0.0	1.91e-05
185	3	2.84e-03	-0.05	-0.02	2.34e-05	0.0	5.63e-05
185	4	2.69e-03	-0.05	-0.02	2.45e-05	0.0	5.94e-05
185	11	1.94e-03	-0.05	-0.02	2.23e-05	0.0	5.45e-05
185	16	1.59	0.30	0.28	-2.91e-04	0.0	-9.69e-05
185	22	-1.47	-0.61	-0.34	5.43e-04	0.0	1.16e-04
185	26	-1.30	-0.70	-0.32	6.23e-04	0.0	1.46e-04
185	48	1.39	0.22	0.23	-2.23e-04	0.0	-8.24e-05
185	54	-1.27	-0.54	-0.29	4.86e-04	0.0	9.81e-05
185	70	-0.13	-0.62	-0.14	5.44e-04	0.0	-1.02e-05
185	80	1.22	0.19	0.20	-1.89e-04	0.0	-6.80e-05
185	86	-1.11	-0.48	-0.26	4.27e-04	0.0	8.88e-05
185	102	-0.11	-0.56	-0.13	4.84e-04	0.0	-6.66e-06
185	112	1.96	0.39	0.35	-3.75e-04	0.0	-1.27e-04
185	118	-1.83	-0.74	-0.42	6.64e-04	0.0	1.38e-04
185	122	-1.65	-0.87	-0.40	7.73e-04	0.0	1.79e-04
185	145	1.93e-03	-0.04	-0.01	1.65e-05	0.0	3.95e-05
185	146	1.83e-03	-0.04	-0.01	1.72e-05	0.0	4.15e-05
185	149	1.33e-03	-0.03	-0.01	1.57e-05	0.0	3.83e-05
185	151	1.53e-03	-0.03	-0.01	1.43e-05	0.0	3.42e-05
185	154	1.36e-03	-0.03	-0.01	1.38e-05	0.0	3.33e-05
185	156	1.40e-03	-0.03	-0.01	1.36e-05	0.0	3.25e-05
186	3	2.26e-03	-0.06	-0.02	3.61e-06	0.0	6.96e-05
186	4	2.02e-03	-0.06	-0.02	3.60e-06	0.0	7.33e-05
186	11	1.16e-03	-0.06	-0.02	3.11e-06	0.0	6.74e-05
186	16	2.64	0.48	0.39	-3.23e-04	0.0	-1.81e-04
186	22	-2.46	-0.93	-0.46	5.59e-04	0.0	2.07e-04
186	26	-2.18	-1.08	-0.44	6.38e-04	0.0	2.52e-04
186	48	2.31	0.36	0.32	-2.52e-04	0.0	-1.54e-04
186	54	-2.12	-0.84	-0.40	4.97e-04	0.0	1.75e-04
186	70	-0.24	-0.94	-0.19	5.48e-04	0.0	8.87e-06
186	80	2.02	0.31	0.28	-2.16e-04	0.0	-1.29e-04
186	86	-1.84	-0.74	-0.35	4.35e-04	0.0	1.57e-04
186	102	-0.20	-0.84	-0.17	4.86e-04	0.0	1.06e-05
186	112	3.27	0.62	0.49	-4.13e-04	0.0	-2.33e-04
186	118	-3.06	-1.14	-0.57	6.86e-04	0.0	2.50e-04
186	122	-2.77	-1.33	-0.55	7.95e-04	0.0	3.11e-04
186	145	1.48e-03	-0.04	-0.01	2.56e-06	0.0	4.88e-05
186	146	1.32e-03	-0.04	-0.01	2.55e-06	0.0	5.13e-05
186	149	7.43e-04	-0.04	-0.02	2.22e-06	0.0	4.73e-05
186	151	1.07e-03	-0.04	-0.01	2.24e-06	0.0	4.23e-05
186	154	8.66e-04	-0.04	-0.01	2.13e-06	0.0	4.11e-05
186	156	9.31e-04	-0.03	-0.01	2.13e-06	0.0	4.01e-05
187	3	1.57e-03	-0.06	-0.02	-2.18e-05	0.0	7.06e-05
187	4	1.31e-03	-0.06	-0.02	-2.32e-05	0.0	7.44e-05
187	9	-8.02e-04	-0.04	-0.02	-1.44e-05	0.0	4.53e-05
187	15	3.83	1.23	0.53	-5.98e-04	0.0	-2.31e-04
187	22	-3.59	-1.27	-0.57	5.62e-04	0.0	3.07e-04
187	26	-3.44	-1.46	-0.54	6.41e-04	0.0	3.66e-04
187	47	3.34	1.09	0.46	-5.34e-04	0.0	-1.85e-04
187	54	-3.08	-1.13	-0.49	4.98e-04	0.0	2.61e-04
187	70	-1.27	-1.27	-0.24	5.43e-04	0.0	3.58e-05
187	79	2.92	0.95	0.40	-4.69e-04	0.0	-1.54e-04

187	86	-2.68	-1.00	-0.43	4.34e-04	0.0	2.31e-04
187	102	-1.12	-1.13	-0.21	4.80e-04	0.0	3.41e-05
187	111	4.75	1.52	0.67	-7.32e-04	0.0	-3.00e-04
187	118	-4.46	-1.55	-0.70	6.93e-04	0.0	3.75e-04
187	122	-4.34	-1.81	-0.68	8.03e-04	0.0	4.56e-04
187	145	9.81e-04	-0.04	-0.02	-1.53e-05	0.0	4.95e-05
187	146	8.04e-04	-0.04	-0.02	-1.62e-05	0.0	5.20e-05
187	147	-6.03e-04	-0.03	-0.02	-1.03e-05	0.0	3.26e-05
187	151	6.11e-04	-0.03	-0.02	-1.32e-05	0.0	4.29e-05
187	152	-3.21e-04	-0.02	-0.02	-8.82e-06	0.0	2.86e-05
187	155	-2.51e-04	-0.02	-0.02	-8.45e-06	0.0	2.76e-05
187	156	4.88e-04	-0.03	-0.02	-1.26e-05	0.0	4.07e-05
188	4	4.80e-04	-0.04	-0.02	-5.26e-05	0.0	5.52e-05
188	9	-9.92e-04	-0.02	-0.03	-3.21e-05	0.0	3.36e-05
188	15	5.14	1.59	0.62	-6.26e-04	0.0	-3.51e-04
188	22	-4.83	-1.60	-0.65	5.57e-04	0.0	4.08e-04
188	26	-4.63	-1.84	-0.62	6.36e-04	0.0	4.79e-04
188	47	4.47	1.42	0.53	-5.60e-04	0.0	-2.88e-04
188	54	-4.13	-1.43	-0.56	4.91e-04	0.0	3.45e-04
188	58	-3.86	-1.59	-0.51	5.42e-04	0.0	3.91e-04
188	79	3.90	1.24	0.46	-4.93e-04	0.0	-2.46e-04
188	86	-3.59	-1.25	-0.49	4.26e-04	0.0	3.03e-04
188	102	-1.48	-1.41	-0.24	4.69e-04	0.0	4.75e-05
188	111	6.37	1.96	0.77	-7.63e-04	0.0	-4.48e-04
188	118	-6.01	-1.96	-0.81	6.91e-04	0.0	5.04e-04
188	122	-5.84	-2.28	-0.78	8.01e-04	0.0	6.02e-04
188	146	2.31e-04	-0.03	-0.02	-3.67e-05	0.0	3.86e-05
188	147	-7.51e-04	-0.02	-0.02	-2.31e-05	0.0	2.42e-05
188	151	1.05e-04	-0.02	-0.02	-3.01e-05	0.0	3.18e-05
188	152	-5.44e-04	-0.01	-0.02	-2.00e-05	0.0	2.11e-05
188	155	-4.92e-04	-0.01	-0.02	-1.93e-05	0.0	2.04e-05
188	156	1.93e-05	-0.02	-0.02	-2.86e-05	0.0	3.02e-05
189	3	-8.65e-04	0.01	-0.03	-1.34e-04	-1.57e-05	0.0
189	4	-8.42e-04	0.01	-0.03	-1.42e-04	-1.44e-05	0.0
189	9	-5.53e-04	8.15e-03	-0.03	-8.73e-05	-2.48e-06	0.0
189	18	-6.55	-1.96	-0.72	2.93e-04	-2.61e-03	5.12e-04
189	22	-6.16	-1.92	-0.72	2.93e-04	-2.61e-03	5.74e-04
189	23	5.90	2.22	0.65	-4.34e-04	2.36e-03	-5.92e-04
189	50	-5.68	-1.75	-0.62	2.42e-04	-2.23e-03	4.28e-04
189	54	-5.26	-1.71	-0.62	2.42e-04	-2.23e-03	4.97e-04
189	55	4.90	1.91	0.52	-3.70e-04	1.91e-03	-4.77e-04
189	82	-4.95	-1.53	-0.54	2.01e-04	-1.94e-03	3.71e-04
189	86	-4.58	-1.49	-0.55	2.01e-04	-1.94e-03	4.33e-04
189	99	1.85	1.69	0.22	-2.27e-04	6.39e-04	-3.07e-05
189	114	-8.11	-2.41	-0.89	3.81e-04	-3.24e-03	6.41e-04
189	118	-7.66	-2.36	-0.89	3.82e-04	-3.24e-03	7.11e-04
189	119	7.45	2.76	0.82	-5.29e-04	3.00e-03	-7.54e-04
189	145	-6.31e-04	7.56e-03	-0.02	-9.39e-05	-1.07e-05	0.0
189	146	-6.16e-04	8.42e-03	-0.02	-9.90e-05	-9.85e-06	0.0
189	147	-4.23e-04	5.71e-03	-0.02	-6.28e-05	-1.92e-06	0.0
189	151	-5.78e-04	6.49e-03	-0.02	-8.15e-05	-8.58e-06	0.0
189	152	-4.48e-04	4.33e-03	-0.02	-5.46e-05	-3.29e-06	0.0
189	155	-4.54e-04	3.99e-03	-0.02	-5.26e-05	-3.63e-06	0.0
189	156	-5.61e-04	6.13e-03	-0.02	-7.74e-05	-7.88e-06	0.0
190	3	2.66e-03	-0.02	-3.98e-03	2.22e-05	0.0	3.24e-05
190	4	2.63e-03	-0.02	-4.16e-03	2.32e-05	0.0	3.41e-05
190	9	1.13e-03	-9.89e-03	-5.32e-03	1.39e-05	0.0	2.07e-05
190	16	0.70	0.12	1.24e-03	-2.26e-04	0.0	-3.23e-05
190	26	-0.57	-0.32	-0.02	5.50e-04	0.0	5.83e-05
190	38	-0.08	-0.31	-0.02	5.34e-04	0.0	-7.93e-06
190	48	0.62	0.09	2.54e-04	-1.68e-04	0.0	-2.74e-05
190	70	-0.05	-0.31	-0.02	5.28e-04	0.0	-1.32e-05
190	80	0.54	0.08	-2.54e-04	-1.41e-04	0.0	-2.18e-05
190	102	-0.04	-0.27	-0.02	4.70e-04	0.0	-1.02e-05
190	112	0.86	0.16	2.56e-03	-2.94e-04	0.0	-4.37e-05
190	122	-0.72	-0.39	-0.02	6.80e-04	0.0	6.98e-05
190	134	-0.11	-0.37	-0.03	6.33e-04	0.0	-1.06e-05
190	145	1.85e-03	-0.01	-3.18e-03	1.56e-05	0.0	2.27e-05
190	146	1.83e-03	-0.01	-3.30e-03	1.63e-05	0.0	2.39e-05
190	147	8.32e-04	-7.14e-03	-4.07e-03	1.00e-05	0.0	1.49e-05
190	151	1.56e-03	-9.62e-03	-3.37e-03	1.35e-05	0.0	1.96e-05
190	152	8.72e-04	-6.36e-03	-3.88e-03	8.95e-06	0.0	1.30e-05
190	155	8.82e-04	-6.16e-03	-3.83e-03	8.68e-06	0.0	1.25e-05
190	156	1.46e-03	-9.12e-03	-3.44e-03	1.28e-05	0.0	1.86e-05
191	1	0.0	0.0	0.0	1.36e-05	0.0	1.69e-06

191	15	0.0	0.0	0.0	-4.52e-04	0.0	0.0
191	47	0.0	0.0	0.0	-4.05e-04	0.0	0.0
191	79	0.0	0.0	0.0	-3.53e-04	0.0	1.06e-06
191	111	0.0	0.0	0.0	-5.57e-04	0.0	0.0
191	143	0.0	0.0	0.0	9.98e-06	0.0	1.23e-06
191	150	0.0	0.0	0.0	9.98e-06	0.0	1.23e-06
191	155	0.0	0.0	0.0	9.98e-06	0.0	1.23e-06
192	3	2.87e-03	-0.03	-6.73e-03	1.33e-05	0.0	5.59e-05
192	4	2.72e-03	-0.03	-7.07e-03	1.38e-05	0.0	5.89e-05
192	9	5.67e-04	-0.02	-9.52e-03	8.16e-06	0.0	3.58e-05
192	16	1.59	0.26	6.72e-03	-2.48e-04	0.0	-9.74e-05
192	26	-1.30	-0.64	-0.04	5.62e-04	0.0	1.47e-04
192	38	-0.21	-0.62	-0.05	5.36e-04	0.0	1.94e-06
192	48	1.39	0.19	3.83e-03	-1.87e-04	0.0	-8.28e-05
192	70	-0.13	-0.62	-0.05	5.29e-04	0.0	-1.00e-05
192	80	1.22	0.16	2.43e-03	-1.59e-04	0.0	-6.84e-05
192	102	-0.11	-0.55	-0.04	4.70e-04	0.0	-6.51e-06
192	112	1.96	0.34	0.01	-3.20e-04	0.0	-1.27e-04
192	122	-1.65	-0.79	-0.05	6.98e-04	0.0	1.79e-04
192	134	-0.29	-0.74	-0.05	6.37e-04	0.0	1.53e-06
192	145	1.94e-03	-0.02	-5.44e-03	9.33e-06	0.0	3.91e-05
192	146	1.84e-03	-0.02	-5.66e-03	9.67e-06	0.0	4.12e-05
192	147	4.12e-04	-0.01	-7.30e-03	5.92e-06	0.0	2.58e-05
192	151	1.55e-03	-0.02	-5.86e-03	8.10e-06	0.0	3.39e-05
192	152	5.72e-04	-0.01	-6.93e-03	5.37e-06	0.0	2.25e-05
192	155	6.12e-04	-0.01	-6.84e-03	5.23e-06	0.0	2.17e-05
192	156	1.41e-03	-0.02	-6.00e-03	7.69e-06	0.0	3.22e-05
193	3	2.29e-03	-0.03	-8.92e-03	0.0	0.0	6.90e-05
193	4	2.04e-03	-0.03	-9.42e-03	0.0	0.0	7.28e-05
193	9	-2.64e-04	-0.02	-0.01	0.0	0.0	4.43e-05
193	16	2.64	0.41	0.01	-2.71e-04	0.0	-1.81e-04
193	26	-2.18	-0.97	-0.07	5.70e-04	0.0	2.52e-04
193	38	-0.38	-0.94	-0.07	5.33e-04	0.0	2.79e-05
193	48	2.31	0.31	7.87e-03	-2.08e-04	0.0	-1.54e-04
193	70	-0.24	-0.92	-0.07	5.24e-04	0.0	8.87e-06
193	80	2.02	0.26	5.58e-03	-1.78e-04	0.0	-1.29e-04
193	102	-0.20	-0.82	-0.06	4.65e-04	0.0	1.05e-05
193	112	3.27	0.53	0.02	-3.47e-04	0.0	-2.33e-04
193	122	-2.77	-1.20	-0.08	7.10e-04	0.0	3.10e-04
193	145	1.50e-03	-0.02	-7.28e-03	0.0	0.0	4.84e-05
193	146	1.34e-03	-0.02	-7.61e-03	0.0	0.0	5.09e-05
193	147	-2.04e-04	-0.01	-0.01	0.0	0.0	3.19e-05
193	151	1.08e-03	-0.02	-7.96e-03	0.0	0.0	4.19e-05
193	152	5.46e-05	-0.01	-9.66e-03	0.0	0.0	2.79e-05
193	155	1.19e-04	-0.01	-9.53e-03	0.0	0.0	2.69e-05
193	156	9.46e-04	-0.02	-8.18e-03	0.0	0.0	3.98e-05
194	3	1.59e-03	-0.03	-0.01	-1.58e-05	0.0	6.86e-05
194	4	1.33e-03	-0.03	-0.01	-1.69e-05	0.0	7.23e-05
194	9	-7.88e-04	-0.02	-0.02	-1.05e-05	0.0	4.40e-05
194	15	3.83	1.13	0.05	-5.28e-04	0.0	-2.32e-04
194	26	-3.44	-1.30	-0.09	5.70e-04	0.0	3.65e-04
194	38	-1.41	-1.25	-0.09	5.23e-04	0.0	6.14e-05
194	47	3.34	1.01	0.05	-4.73e-04	0.0	-1.86e-04
194	70	-1.27	-1.23	-0.09	5.14e-04	0.0	3.49e-05
194	79	2.92	0.88	0.04	-4.15e-04	0.0	-1.56e-04
194	102	-1.12	-1.09	-0.08	4.55e-04	0.0	3.32e-05
194	111	4.75	1.39	0.07	-6.46e-04	0.0	-3.02e-04
194	122	-4.34	-1.62	-0.10	7.12e-04	0.0	4.55e-04
194	145	9.95e-04	-0.02	-8.74e-03	-1.11e-05	0.0	4.80e-05
194	146	8.20e-04	-0.02	-9.17e-03	-1.18e-05	0.0	5.05e-05
194	147	-5.93e-04	-0.01	-0.01	-7.52e-06	0.0	3.17e-05
194	151	6.24e-04	-0.02	-9.72e-03	-9.58e-06	0.0	4.17e-05
194	152	-3.13e-04	-0.01	-0.01	-6.39e-06	0.0	2.77e-05
194	155	-2.42e-04	-0.01	-0.01	-6.11e-06	0.0	2.68e-05
194	156	5.00e-04	-0.02	-0.01	-9.08e-06	0.0	3.95e-05
195	4	4.88e-04	-0.01	-0.01	-3.37e-05	0.0	5.12e-05
195	9	-9.80e-04	-7.58e-03	-0.02	-2.07e-05	0.0	3.12e-05
195	15	5.14	1.44	0.06	-5.42e-04	0.0	-3.54e-04
195	26	-4.63	-1.63	-0.10	5.65e-04	0.0	4.77e-04
195	38	-1.87	-1.55	-0.11	5.12e-04	0.0	8.54e-05
195	47	4.47	1.29	0.06	-4.86e-04	0.0	-2.90e-04
195	70	-1.68	-1.52	-0.11	5.01e-04	0.0	5.08e-05
195	79	3.90	1.13	0.05	-4.28e-04	0.0	-2.48e-04
195	102	-1.48	-1.35	-0.10	4.42e-04	0.0	4.55e-05
195	111	6.37	1.77	0.08	-6.62e-04	0.0	-4.51e-04

195	122	-5.84	-2.03	-0.13	7.09e-04	0.0	6.00e-04
195	146	2.38e-04	-9.62e-03	-0.01	-2.35e-05	0.0	3.58e-05
195	147	-7.41e-04	-5.57e-03	-0.02	-1.49e-05	0.0	2.24e-05
195	151	1.11e-04	-8.29e-03	-0.01	-1.93e-05	0.0	2.95e-05
195	152	-5.35e-04	-5.43e-03	-0.02	-1.28e-05	0.0	1.96e-05
195	155	-4.84e-04	-5.39e-03	-0.01	-1.23e-05	0.0	1.89e-05
195	156	2.63e-05	-7.87e-03	-0.01	-1.83e-05	0.0	2.80e-05
196	3	-8.60e-04	0.01	-0.01	-1.86e-04	0.0	3.91e-06
196	4	-8.33e-04	0.01	-0.01	-1.96e-04	0.0	4.17e-06
196	9	-4.63e-04	8.65e-03	-0.03	-1.20e-04	0.0	2.60e-06
196	18	-6.55	-1.75	-0.10	4.61e-04	0.0	5.04e-04
196	23	5.90	1.97	0.09	-7.52e-04	0.0	-5.79e-04
196	38	-2.36	-1.84	-0.13	5.80e-04	0.0	8.33e-05
196	50	-5.68	-1.56	-0.10	4.26e-04	0.0	4.22e-04
196	67	2.11	1.82	0.10	-7.93e-04	0.0	-3.52e-05
196	70	-2.11	-1.81	-0.13	5.80e-04	0.0	3.97e-05
196	82	-4.95	-1.37	-0.09	3.63e-04	0.0	3.66e-04
196	99	1.85	1.62	0.08	-7.17e-04	0.0	-2.76e-05
196	102	-1.85	-1.60	-0.11	5.04e-04	0.0	3.20e-05
196	114	-8.11	-2.15	-0.12	5.80e-04	0.0	6.31e-04
196	119	7.45	2.45	0.12	-9.00e-04	0.0	-7.38e-04
196	122	-7.45	-2.44	-0.15	6.86e-04	0.0	7.43e-04
196	145	-6.17e-04	7.99e-03	-0.01	-1.30e-04	0.0	2.73e-06
196	146	-5.99e-04	8.88e-03	-0.01	-1.37e-04	0.0	2.91e-06
196	147	-3.52e-04	6.08e-03	-0.02	-8.63e-05	0.0	1.86e-06
196	151	-5.49e-04	6.89e-03	-0.01	-1.12e-04	0.0	2.37e-06
196	152	-3.81e-04	4.66e-03	-0.02	-7.48e-05	0.0	1.58e-06
196	155	-3.89e-04	4.31e-03	-0.02	-7.19e-05	0.0	1.51e-06
196	156	-5.26e-04	6.52e-03	-0.02	-1.07e-04	0.0	2.24e-06
197	3	2.65e-03	-3.24e-03	-2.90e-03	4.43e-06	0.0	3.17e-05
197	4	2.62e-03	-3.30e-03	-3.06e-03	4.46e-06	0.0	3.35e-05
197	9	1.12e-03	-1.85e-03	-4.64e-03	2.45e-06	0.0	2.03e-05
197	16	0.70	0.11	-0.10	-1.91e-04	0.0	-3.62e-05
197	38	-0.08	-0.31	4.81e-03	5.27e-04	0.0	-6.01e-06
197	48	0.62	0.08	-0.08	-1.38e-04	0.0	-3.08e-05
197	70	-0.05	-0.31	-3.71e-04	5.24e-04	0.0	-1.15e-05
197	80	0.54	0.07	-0.07	-1.17e-04	0.0	-2.47e-05
197	102	-0.04	-0.27	-1.11e-03	4.66e-04	0.0	-8.72e-06
197	112	0.86	0.14	-0.12	-2.48e-04	0.0	-4.85e-05
197	134	-0.11	-0.37	8.65e-03	6.24e-04	0.0	-8.18e-06
197	145	1.85e-03	-2.28e-03	-2.41e-03	3.12e-06	0.0	2.22e-05
197	146	1.82e-03	-2.32e-03	-2.52e-03	3.15e-06	0.0	2.34e-05
197	147	8.26e-04	-1.36e-03	-3.57e-03	1.81e-06	0.0	1.46e-05
197	151	1.56e-03	-1.98e-03	-2.69e-03	2.71e-06	0.0	1.93e-05
197	152	8.67e-04	-1.30e-03	-3.40e-03	1.77e-06	0.0	1.28e-05
197	155	8.77e-04	-1.28e-03	-3.35e-03	1.76e-06	0.0	1.23e-05
197	156	1.46e-03	-1.88e-03	-2.79e-03	2.58e-06	0.0	1.83e-05
198	1	0.0	0.0	0.0	2.93e-06	0.0	1.69e-06
198	15	0.0	0.0	0.0	-4.38e-04	0.0	0.0
198	47	0.0	0.0	0.0	-3.96e-04	0.0	0.0
198	79	0.0	0.0	0.0	-3.47e-04	0.0	0.0
198	111	0.0	0.0	0.0	-5.37e-04	0.0	0.0
198	143	0.0	0.0	0.0	2.16e-06	0.0	1.23e-06
198	150	0.0	0.0	0.0	2.16e-06	0.0	1.23e-06
198	155	0.0	0.0	0.0	2.16e-06	0.0	1.23e-06
199	3	2.87e-03	-5.25e-03	-5.05e-03	1.37e-06	0.0	5.55e-05
199	4	2.72e-03	-5.30e-03	-5.37e-03	1.24e-06	0.0	5.85e-05
199	9	5.70e-04	-2.91e-03	-8.56e-03	0.0	0.0	3.55e-05
199	16	1.59	0.22	-0.20	-1.97e-04	0.0	-9.82e-05
199	38	-0.21	-0.61	0.01	5.16e-04	0.0	2.61e-06
199	48	1.39	0.16	-0.17	-1.45e-04	0.0	-8.35e-05
199	70	-0.13	-0.61	5.38e-04	5.12e-04	0.0	-9.38e-06
199	80	1.22	0.14	-0.15	-1.23e-04	0.0	-6.90e-05
199	102	-0.11	-0.54	-1.04e-03	4.55e-04	0.0	-5.97e-06
199	112	1.96	0.29	-0.24	-2.56e-04	0.0	-1.28e-04
199	134	-0.29	-0.73	0.02	6.12e-04	0.0	2.38e-06
199	145	1.95e-03	-3.70e-03	-4.25e-03	0.0	0.0	3.89e-05
199	146	1.85e-03	-3.73e-03	-4.46e-03	0.0	0.0	4.09e-05
199	147	4.14e-04	-2.15e-03	-6.59e-03	0.0	0.0	2.56e-05
199	151	1.55e-03	-3.22e-03	-4.82e-03	0.0	0.0	3.37e-05
199	152	5.74e-04	-2.10e-03	-6.25e-03	0.0	0.0	2.24e-05
199	155	6.14e-04	-2.08e-03	-6.16e-03	0.0	0.0	2.16e-05
199	156	1.41e-03	-3.06e-03	-5.02e-03	0.0	0.0	3.19e-05
200	3	2.30e-03	-4.91e-03	-6.86e-03	-3.10e-06	0.0	6.86e-05
200	9	-2.57e-04	-2.48e-03	-0.01	-2.36e-06	0.0	4.40e-05

200	16	2.64	0.34	-0.30	-2.07e-04	0.0	-1.81e-04
200	38	-0.38	-0.91	0.02	5.01e-04	0.0	2.82e-05
200	48	2.31	0.25	-0.26	-1.54e-04	0.0	-1.54e-04
200	70	-0.24	-0.91	1.58e-03	4.96e-04	0.0	9.14e-06
200	80	2.02	0.21	-0.22	-1.31e-04	0.0	-1.30e-04
200	102	-0.20	-0.81	-8.06e-04	4.41e-04	0.0	1.08e-05
200	112	3.27	0.44	-0.37	-2.67e-04	0.0	-2.33e-04
200	134	-0.51	-1.08	0.03	5.95e-04	0.0	3.46e-05
200	145	1.50e-03	-3.48e-03	-5.83e-03	-2.15e-06	0.0	4.80e-05
200	147	-1.99e-04	-1.85e-03	-9.37e-03	-1.66e-06	0.0	3.17e-05
200	151	1.09e-03	-3.03e-03	-6.70e-03	-1.85e-06	0.0	4.17e-05
200	152	5.87e-05	-1.95e-03	-8.86e-03	-1.26e-06	0.0	2.77e-05
200	155	1.23e-04	-1.98e-03	-8.73e-03	-1.16e-06	0.0	2.67e-05
200	156	9.51e-04	-2.88e-03	-6.99e-03	-1.75e-06	0.0	3.95e-05
201	3	1.60e-03	-1.62e-03	-8.42e-03	-7.92e-06	0.0	6.69e-05
201	9	-7.84e-04	-1.47e-04	-0.02	-5.45e-06	0.0	4.30e-05
201	15	3.83	1.03	-0.35	-4.42e-04	0.0	-2.33e-04
201	16	3.58	0.47	-0.39	-2.17e-04	0.0	-2.83e-04
201	38	-1.41	-1.20	0.02	4.84e-04	0.0	6.09e-05
201	47	3.34	0.93	-0.30	-3.98e-04	0.0	-1.87e-04
201	48	3.07	0.34	-0.34	-1.64e-04	0.0	-2.41e-04
201	70	-1.27	-1.19	2.36e-03	4.79e-04	0.0	3.44e-05
201	79	2.92	0.81	-0.26	-3.50e-04	0.0	-1.57e-04
201	80	2.67	0.29	-0.29	-1.40e-04	0.0	-2.05e-04
201	102	-1.12	-1.06	-7.71e-04	4.24e-04	0.0	3.26e-05
201	111	4.75	1.26	-0.44	-5.41e-04	0.0	-3.03e-04
201	112	4.46	0.60	-0.48	-2.78e-04	0.0	-3.59e-04
201	122	-4.34	-1.43	0.37	6.02e-04	0.0	4.54e-04
201	145	1.00e-03	-1.18e-03	-7.23e-03	-5.53e-06	0.0	4.69e-05
201	147	-5.90e-04	-2.02e-04	-0.01	-3.88e-06	0.0	3.09e-05
201	151	6.29e-04	-1.04e-03	-8.42e-03	-4.78e-06	0.0	4.07e-05
201	152	-3.10e-04	-6.15e-04	-0.01	-3.21e-06	0.0	2.71e-05
201	155	-2.40e-04	-7.18e-04	-0.01	-3.04e-06	0.0	2.61e-05
201	156	5.04e-04	-9.97e-04	-8.82e-03	-4.54e-06	0.0	3.86e-05
202	9	-9.76e-04	3.96e-03	-0.02	-7.85e-06	0.0	2.93e-05
202	11	-8.08e-05	5.48e-03	-0.01	-1.17e-05	0.0	4.41e-05
202	15	5.14	1.29	-0.43	-4.42e-04	0.0	-3.56e-04
202	16	4.82	0.60	-0.47	-2.24e-04	0.0	-4.07e-04
202	35	1.87	1.48	-0.05	-4.84e-04	0.0	-3.13e-05
202	47	4.47	1.16	-0.36	-3.98e-04	0.0	-2.92e-04
202	48	4.13	0.44	-0.41	-1.71e-04	0.0	-3.49e-04
202	67	1.68	1.47	-0.02	-4.77e-04	0.0	3.33e-06
202	79	3.90	1.02	-0.31	-3.49e-04	0.0	-2.50e-04
202	80	3.59	0.38	-0.36	-1.47e-04	0.0	-3.00e-04
202	99	1.48	1.31	-0.02	-4.24e-04	0.0	8.62e-06
202	111	6.37	1.58	-0.53	-5.41e-04	0.0	-4.53e-04
202	112	6.00	0.77	-0.59	-2.86e-04	0.0	-5.10e-04
202	119	5.84	1.79	-0.48	-6.11e-04	0.0	-5.47e-04
202	147	-7.38e-04	2.73e-03	-0.02	-5.61e-06	0.0	2.11e-05
202	149	-1.42e-04	3.74e-03	-0.01	-8.17e-06	0.0	3.10e-05
202	152	-5.32e-04	1.84e-03	-0.01	-4.72e-06	0.0	1.84e-05
202	154	-2.06e-05	2.71e-03	-0.01	-6.91e-06	0.0	2.69e-05
202	155	-4.81e-04	1.62e-03	-0.01	-4.50e-06	0.0	1.78e-05
202	156	3.09e-05	2.49e-03	-0.01	-6.69e-06	0.0	2.63e-05
203	3	-7.54e-04	0.01	-0.01	-2.07e-04	0.0	4.93e-06
203	4	-7.28e-04	0.01	-0.01	-2.19e-04	0.0	5.24e-06
203	9	-3.49e-04	9.16e-03	-0.03	-1.34e-04	0.0	3.29e-06
203	16	6.16	0.73	-0.56	-2.12e-04	0.0	-5.58e-04
203	18	-6.55	-1.53	0.47	2.94e-04	0.0	5.02e-04
203	35	2.36	1.76	-0.06	-7.44e-04	0.0	-7.74e-05
203	48	5.26	0.55	-0.48	-1.92e-04	0.0	-4.82e-04
203	50	-5.68	-1.38	0.39	2.85e-04	0.0	4.20e-04
203	67	2.11	1.74	-0.03	-7.54e-04	0.0	-3.39e-05
203	80	4.57	0.47	-0.42	-1.82e-04	0.0	-4.19e-04
203	82	-4.95	-1.21	0.34	2.39e-04	0.0	3.65e-04
203	99	1.85	1.55	-0.03	-6.85e-04	0.0	-2.63e-05
203	112	7.66	0.94	-0.69	-2.39e-04	0.0	-6.92e-04
203	114	-8.12	-1.88	0.59	3.74e-04	0.0	6.29e-04
203	119	7.45	2.14	-0.56	-6.88e-04	0.0	-7.35e-04
203	145	-5.34e-04	8.49e-03	-0.01	-1.45e-04	0.0	3.45e-06
203	146	-5.17e-04	9.40e-03	-0.01	-1.53e-04	0.0	3.66e-06
203	147	-2.64e-04	6.45e-03	-0.02	-9.61e-05	0.0	2.36e-06
203	151	-4.63e-04	7.33e-03	-0.01	-1.25e-04	0.0	3.00e-06
203	152	-2.92e-04	4.98e-03	-0.02	-8.31e-05	0.0	2.03e-06
203	155	-2.98e-04	4.62e-03	-0.02	-7.99e-05	0.0	1.95e-06

203	156	-4.40e-04	6.94e-03	-0.01	-1.19e-04	0.0	2.85e-06
204	3	2.65e-03	9.17e-03	-2.76e-03	-1.07e-05	0.0	3.15e-05
204	4	2.61e-03	9.79e-03	-2.91e-03	-1.14e-05	0.0	3.32e-05
204	9	1.12e-03	6.09e-03	-4.51e-03	-7.22e-06	0.0	2.02e-05
204	16	0.70	0.10	-0.31	-1.62e-04	0.0	-3.75e-05
204	35	0.09	0.32	-0.05	-5.32e-04	0.0	4.17e-05
204	48	0.62	0.07	-0.27	-1.14e-04	0.0	-3.19e-05
204	67	0.05	0.32	-0.03	-5.32e-04	0.0	4.72e-05
204	80	0.54	0.06	-0.23	-9.69e-05	0.0	-2.57e-05
204	99	0.04	0.28	-0.03	-4.74e-04	0.0	4.45e-05
204	112	0.86	0.12	-0.39	-2.10e-04	0.0	-5.01e-05
204	131	0.12	0.38	-0.07	-6.29e-04	0.0	4.37e-05
204	145	1.84e-03	6.41e-03	-2.31e-03	-7.46e-06	0.0	2.21e-05
204	146	1.82e-03	6.82e-03	-2.41e-03	-7.98e-06	0.0	2.32e-05
204	147	8.24e-04	4.36e-03	-3.47e-03	-5.16e-06	0.0	1.45e-05
204	151	1.55e-03	5.55e-03	-2.60e-03	-6.45e-06	0.0	1.91e-05
204	152	8.65e-04	3.70e-03	-3.31e-03	-4.32e-06	0.0	1.27e-05
204	155	8.75e-04	3.53e-03	-3.27e-03	-4.12e-06	0.0	1.22e-05
204	156	1.46e-03	5.26e-03	-2.69e-03	-6.12e-06	0.0	1.81e-05
205	3	2.87e-03	0.02	-4.60e-03	-8.73e-06	0.0	5.53e-05
205	4	2.72e-03	0.02	-4.92e-03	-9.40e-06	0.0	5.83e-05
205	9	5.71e-04	0.01	-8.28e-03	-6.00e-06	0.0	3.54e-05
205	16	1.59	0.19	-0.58	-1.57e-04	0.0	-9.86e-05
205	35	0.21	0.63	-0.09	-5.10e-04	0.0	6.08e-05
205	48	1.39	0.13	-0.50	-1.11e-04	0.0	-8.39e-05
205	67	0.13	0.63	-0.06	-5.09e-04	0.0	7.28e-05
205	80	1.22	0.11	-0.43	-9.39e-05	0.0	-6.93e-05
205	99	0.11	0.56	-0.05	-4.53e-04	0.0	6.94e-05
205	112	1.96	0.24	-0.71	-2.04e-04	0.0	-1.29e-04
205	131	0.29	0.74	-0.12	-6.03e-04	0.0	6.09e-05
205	145	1.95e-03	0.01	-3.93e-03	-6.10e-06	0.0	3.87e-05
205	146	1.85e-03	0.01	-4.14e-03	-6.55e-06	0.0	4.07e-05
205	147	4.14e-04	8.04e-03	-6.39e-03	-4.28e-06	0.0	2.55e-05
205	151	1.55e-03	0.01	-4.54e-03	-5.28e-06	0.0	3.36e-05
205	152	5.74e-04	6.82e-03	-6.05e-03	-3.56e-06	0.0	2.23e-05
205	155	6.14e-04	6.51e-03	-5.96e-03	-3.38e-06	0.0	2.15e-05
205	156	1.41e-03	9.67e-03	-4.74e-03	-5.01e-06	0.0	3.19e-05
206	3	2.30e-03	0.02	-6.11e-03	-5.81e-06	0.0	6.84e-05
206	4	2.06e-03	0.02	-6.61e-03	-6.33e-06	0.0	7.20e-05
206	9	-2.55e-04	0.02	-0.01	-4.12e-06	0.0	4.39e-05
206	16	2.64	0.27	-0.80	-1.55e-04	0.0	-1.82e-04
206	35	0.38	0.91	-0.13	-4.82e-04	0.0	5.05e-05
206	48	2.31	0.19	-0.69	-1.10e-04	0.0	-1.54e-04
206	67	0.24	0.91	-0.09	-4.80e-04	0.0	6.95e-05
206	80	2.02	0.16	-0.60	-9.33e-05	0.0	-1.30e-04
206	99	0.20	0.82	-0.07	-4.27e-04	0.0	6.79e-05
206	112	3.27	0.35	-1.00	-2.01e-04	0.0	-2.33e-04
206	131	0.51	1.08	-0.17	-5.70e-04	0.0	4.40e-05
206	145	1.51e-03	0.02	-5.31e-03	-4.06e-06	0.0	4.79e-05
206	146	1.35e-03	0.02	-5.64e-03	-4.40e-06	0.0	5.04e-05
206	147	-1.97e-04	0.01	-9.13e-03	-2.93e-06	0.0	3.16e-05
206	151	1.09e-03	0.01	-6.25e-03	-3.51e-06	0.0	4.15e-05
206	152	6.01e-05	9.10e-03	-8.60e-03	-2.38e-06	0.0	2.76e-05
206	155	1.24e-04	8.68e-03	-8.46e-03	-2.24e-06	0.0	2.66e-05
206	156	9.53e-04	0.01	-6.57e-03	-3.33e-06	0.0	3.94e-05
207	3	1.61e-03	0.02	-7.36e-03	0.0	0.0	6.64e-05
207	4	1.35e-03	0.03	-8.06e-03	-1.24e-06	0.0	7.00e-05
207	9	-7.81e-04	0.02	-0.02	-1.01e-06	0.0	4.26e-05
207	15	3.83	0.93	-0.94	-3.72e-04	0.0	-2.34e-04
207	16	3.58	0.36	-1.00	-1.55e-04	0.0	-2.83e-04
207	35	1.41	1.18	-0.16	-4.54e-04	0.0	1.58e-05
207	47	3.34	0.85	-0.79	-3.37e-04	0.0	-1.87e-04
207	48	3.07	0.25	-0.86	-1.11e-04	0.0	-2.42e-04
207	67	1.27	1.18	-0.11	-4.52e-04	0.0	4.23e-05
207	79	2.92	0.75	-0.69	-2.96e-04	0.0	-1.57e-04
207	80	2.67	0.22	-0.75	-9.40e-05	0.0	-2.06e-04
207	99	1.12	1.05	-0.09	-4.01e-04	0.0	4.41e-05
207	111	4.75	1.13	-1.17	-4.54e-04	0.0	-3.03e-04
207	112	4.46	0.47	-1.24	-2.01e-04	0.0	-3.60e-04
207	131	1.74	1.40	-0.22	-5.39e-04	0.0	0.0
207	145	1.01e-03	0.02	-6.50e-03	0.0	0.0	4.66e-05
207	146	8.31e-04	0.02	-6.97e-03	0.0	0.0	4.90e-05
207	147	-5.88e-04	0.01	-0.01	0.0	0.0	3.07e-05
207	151	6.33e-04	0.01	-7.82e-03	0.0	0.0	4.04e-05
207	152	-3.07e-04	0.01	-0.01	0.0	0.0	2.69e-05

207	155	-2.37e-04	9.58e-03	-0.01	0.0	0.0	2.59e-05
207	156	5.09e-04	0.01	-8.26e-03	0.0	0.0	3.83e-05
208	4	5.29e-04	0.02	-9.47e-03	5.40e-06	0.0	4.72e-05
208	9	-9.56e-04	0.02	-0.02	3.02e-06	0.0	2.87e-05
208	15	5.14	1.14	-1.10	-3.60e-04	0.0	-3.56e-04
208	16	4.82	0.44	-1.17	-1.54e-04	0.0	-4.07e-04
208	35	1.87	1.44	-0.19	-4.32e-04	0.0	-3.18e-05
208	47	4.47	1.03	-0.93	-3.25e-04	0.0	-2.93e-04
208	48	4.13	0.32	-1.00	-1.11e-04	0.0	-3.49e-04
208	67	1.68	1.43	-0.13	-4.28e-04	0.0	2.78e-06
208	79	3.90	0.91	-0.81	-2.85e-04	0.0	-2.51e-04
208	80	3.59	0.27	-0.87	-9.36e-05	0.0	-3.01e-04
208	99	1.48	1.28	-0.11	-3.80e-04	0.0	8.08e-06
208	111	6.37	1.38	-1.37	-4.41e-04	0.0	-4.53e-04
208	112	6.00	0.58	-1.45	-2.01e-04	0.0	-5.11e-04
208	131	2.31	1.70	-0.25	-5.13e-04	0.0	-5.93e-05
208	146	2.67e-04	0.02	-8.35e-03	3.80e-06	0.0	3.30e-05
208	147	-7.23e-04	0.01	-0.02	2.22e-06	0.0	2.07e-05
208	151	1.39e-04	0.01	-9.53e-03	3.25e-06	0.0	2.72e-05
208	152	-5.15e-04	8.87e-03	-0.01	2.13e-06	0.0	1.81e-05
208	155	-4.63e-04	8.40e-03	-0.01	2.11e-06	0.0	1.75e-05
208	156	5.33e-05	0.01	-0.01	3.09e-06	0.0	2.58e-05
209	3	-5.19e-04	0.01	-0.01	-2.21e-04	0.0	4.67e-06
209	4	-5.02e-04	0.01	-0.01	-2.34e-04	0.0	4.95e-06
209	9	-1.75e-04	9.68e-03	-0.03	-1.43e-04	0.0	3.10e-06
209	16	6.16	0.53	-1.31	2.66e-04	0.0	-5.57e-04
209	18	-6.55	-1.32	1.20	-1.43e-04	0.0	5.01e-04
209	35	2.36	1.67	-0.22	-8.35e-04	0.0	-7.74e-05
209	48	5.26	0.37	-1.13	2.79e-04	0.0	-4.81e-04
209	50	-5.68	-1.20	1.01	-1.43e-04	0.0	4.19e-04
209	67	2.11	1.67	-0.14	-8.55e-04	0.0	-3.39e-05
209	80	4.58	0.32	-0.98	2.36e-04	0.0	-4.19e-04
209	82	-4.96	-1.05	0.88	-1.41e-04	0.0	3.64e-04
209	99	1.85	1.48	-0.12	-7.77e-04	0.0	-2.64e-05
209	112	7.67	0.69	-1.63	3.34e-04	0.0	-6.91e-04
209	114	-8.12	-1.61	1.50	-1.48e-04	0.0	6.27e-04
209	131	2.92	1.98	-0.29	-9.55e-04	0.0	-1.13e-04
209	145	-3.58e-04	9.02e-03	-9.90e-03	-1.55e-04	0.0	3.27e-06
209	146	-3.47e-04	9.96e-03	-0.01	-1.64e-04	0.0	3.46e-06
209	147	-1.29e-04	6.83e-03	-0.02	-1.03e-04	0.0	2.23e-06
209	151	-2.96e-04	7.80e-03	-0.01	-1.34e-04	0.0	2.85e-06
209	152	-1.47e-04	5.32e-03	-0.02	-8.89e-05	0.0	1.93e-06
209	155	-1.52e-04	4.94e-03	-0.02	-8.54e-05	0.0	1.86e-06
209	156	-2.76e-04	7.39e-03	-0.01	-1.27e-04	0.0	2.71e-06
210	4	0.03	-0.01	-0.05	1.64e-05	0.0	3.90e-05
210	19	0.94	0.26	-0.12	-4.54e-04	0.0	-1.55e-06
210	26	-0.81	-0.31	0.05	5.39e-04	0.0	5.91e-05
210	51	0.82	0.23	-0.11	-4.07e-04	0.0	5.07e-06
210	70	-0.11	-0.31	-5.30e-03	5.30e-04	0.0	-1.62e-05
210	83	0.72	0.20	-0.10	-3.55e-04	0.0	7.63e-06
210	102	-0.09	-0.28	-8.59e-03	4.72e-04	0.0	-1.26e-05
210	115	1.16	0.32	-0.14	-5.58e-04	0.0	-8.45e-06
210	122	-1.03	-0.39	0.08	6.68e-04	0.0	7.02e-05
210	146	0.02	-8.40e-03	-0.04	1.15e-05	0.0	2.72e-05
210	151	0.02	-6.99e-03	-0.03	9.60e-06	0.0	2.24e-05
210	156	0.02	-6.63e-03	-0.03	9.11e-06	0.0	2.13e-05
211	1	0.0	0.0	0.0	1.00e-05	0.0	2.34e-06
211	15	0.0	0.0	0.0	-4.57e-04	0.0	1.37e-06
211	47	0.0	0.0	0.0	-4.10e-04	0.0	1.69e-06
211	79	0.0	0.0	0.0	-3.58e-04	0.0	1.82e-06
211	111	0.0	0.0	0.0	-5.62e-04	0.0	1.03e-06
211	143	0.0	0.0	0.0	7.36e-06	0.0	1.71e-06
211	150	0.0	0.0	0.0	7.36e-06	0.0	1.71e-06
211	155	0.0	0.0	0.0	7.36e-06	0.0	1.71e-06
212	4	0.05	-0.02	-0.09	9.34e-06	0.0	6.67e-05
212	19	2.08	0.53	-0.23	-4.67e-04	0.0	-4.18e-05
212	26	-1.81	-0.63	0.12	5.45e-04	0.0	1.45e-04
212	51	1.81	0.47	-0.21	-4.18e-04	0.0	-2.46e-05
212	70	-0.26	-0.62	-2.26e-04	5.25e-04	0.0	-1.50e-05
212	83	1.58	0.41	-0.19	-3.66e-04	0.0	-1.59e-05
212	102	-0.21	-0.55	-6.87e-03	4.67e-04	0.0	-1.05e-05
212	115	2.56	0.65	-0.28	-5.73e-04	0.0	-6.33e-05
212	122	-2.31	-0.78	0.17	6.76e-04	0.0	1.76e-04
212	146	0.03	-0.01	-0.06	6.56e-06	0.0	4.66e-05
212	151	0.03	-0.01	-0.05	5.54e-06	0.0	3.84e-05

212	156	0.03	-0.01	-0.05	5.26e-06	0.0	3.65e-05
213	4	0.06	-0.02	-0.12	0.0	0.0	8.35e-05
213	19	3.40	0.80	-0.34	-4.80e-04	0.0	-1.16e-04
213	26	-2.99	-0.95	0.19	5.47e-04	0.0	2.52e-04
213	51	2.95	0.72	-0.30	-4.30e-04	0.0	-8.51e-05
213	70	-0.45	-0.92	7.38e-03	5.16e-04	0.0	5.87e-06
213	83	2.58	0.63	-0.27	-3.77e-04	0.0	-6.71e-05
213	102	-0.38	-0.82	-2.58e-03	4.58e-04	0.0	8.46e-06
213	115	4.20	0.99	-0.41	-5.89e-04	0.0	-1.58e-04
213	122	-3.81	-1.18	0.26	6.81e-04	0.0	3.10e-04
213	146	0.04	-0.02	-0.09	0.0	0.0	5.84e-05
213	151	0.03	-0.01	-0.07	0.0	0.0	4.81e-05
213	156	0.03	-0.01	-0.07	0.0	0.0	4.57e-05
214	4	0.06	-0.02	-0.16	-1.33e-05	0.0	8.58e-05
214	19	4.88	1.09	-0.45	-4.91e-04	0.0	-2.18e-04
214	26	-4.33	-1.27	0.25	5.44e-04	0.0	3.71e-04
214	51	4.22	0.98	-0.40	-4.40e-04	0.0	-1.71e-04
214	70	-0.68	-1.22	0.01	5.02e-04	0.0	3.74e-05
214	83	3.69	0.85	-0.36	-3.86e-04	0.0	-1.42e-04
214	102	-0.58	-1.09	-9.18e-05	4.45e-04	0.0	3.61e-05
214	115	6.04	1.34	-0.54	-6.01e-04	0.0	-2.85e-04
214	122	-5.52	-1.57	0.35	6.79e-04	0.0	4.60e-04
214	146	0.04	-0.01	-0.11	-9.25e-06	0.0	6.00e-05
214	151	0.03	-0.01	-0.09	-7.50e-06	0.0	4.95e-05
214	156	0.03	-0.01	-0.09	-7.11e-06	0.0	4.70e-05
215	3	0.04	-7.98e-03	-0.19	-2.45e-05	0.0	6.25e-05
215	4	0.04	-7.82e-03	-0.20	-2.60e-05	0.0	6.59e-05
215	19	6.49	1.38	-0.56	-4.98e-04	0.0	-3.44e-04
215	26	-5.82	-1.58	0.30	5.37e-04	0.0	4.87e-04
215	48	5.61	0.54	-0.48	-2.20e-04	0.0	-3.41e-04
215	51	5.61	1.23	-0.50	-4.46e-04	0.0	-2.80e-04
215	70	-0.96	-1.51	8.66e-03	4.87e-04	0.0	5.84e-05
215	80	4.89	0.46	-0.43	-1.90e-04	0.0	-2.92e-04
215	83	4.89	1.08	-0.45	-3.92e-04	0.0	-2.38e-04
215	102	-0.81	-1.34	-7.52e-03	4.30e-04	0.0	5.31e-05
215	115	8.05	1.69	-0.67	-6.09e-04	0.0	-4.40e-04
215	122	-7.40	-1.97	0.42	6.73e-04	0.0	6.11e-04
215	145	0.03	-5.66e-03	-0.14	-1.71e-05	0.0	4.38e-05
215	146	0.03	-5.55e-03	-0.14	-1.81e-05	0.0	4.61e-05
215	151	0.02	-4.94e-03	-0.12	-1.49e-05	0.0	3.80e-05
215	156	0.02	-4.69e-03	-0.12	-1.41e-05	0.0	3.61e-05
216	4	1.92e-04	0.01	-0.27	-2.12e-04	0.0	8.18e-06
216	16	8.20	0.88	-0.64	-4.04e-04	0.0	-5.50e-04
216	19	8.20	1.67	-0.66	-6.57e-04	0.0	-5.50e-04
216	23	7.42	1.91	-0.63	-7.22e-04	0.0	-5.69e-04
216	48	7.07	0.67	-0.57	-3.45e-04	0.0	-4.75e-04
216	51	7.07	1.50	-0.58	-6.09e-04	0.0	-4.75e-04
216	67	1.27	1.80	-0.30	-6.97e-04	0.0	-2.99e-05
216	80	6.16	0.58	-0.51	-3.13e-04	0.0	-4.13e-04
216	83	6.16	1.31	-0.53	-5.48e-04	0.0	-4.13e-04
216	99	1.09	1.60	-0.28	-6.32e-04	0.0	-2.27e-05
216	112	10.18	1.13	-0.76	-4.83e-04	0.0	-6.83e-04
216	115	10.18	2.05	-0.78	-7.77e-04	0.0	-6.82e-04
216	119	9.43	2.37	-0.76	-8.68e-04	0.0	-7.27e-04
216	146	1.22e-04	8.98e-03	-0.19	-1.48e-04	0.0	5.71e-06
216	151	8.45e-05	6.98e-03	-0.16	-1.21e-04	0.0	4.70e-06
216	156	7.21e-05	6.61e-03	-0.16	-1.15e-04	0.0	4.45e-06
217	4	0.03	6.97e-03	-0.04	-7.29e-06	0.0	3.86e-05
217	19	0.94	0.26	-0.40	-4.32e-04	0.0	-3.82e-06
217	35	0.19	0.32	-0.11	-5.37e-04	0.0	5.17e-05
217	51	0.82	0.23	-0.35	-3.92e-04	0.0	3.06e-06
217	67	0.14	0.32	-0.09	-5.35e-04	0.0	5.73e-05
217	83	0.72	0.21	-0.30	-3.44e-04	0.0	5.85e-06
217	99	0.12	0.29	-0.08	-4.76e-04	0.0	5.39e-05
217	115	1.16	0.31	-0.50	-5.27e-04	0.0	-1.12e-05
217	131	0.24	0.38	-0.14	-6.35e-04	0.0	5.51e-05
217	146	0.02	4.85e-03	-0.03	-5.07e-06	0.0	2.69e-05
217	151	0.02	3.93e-03	-0.02	-4.06e-06	0.0	2.22e-05
217	156	0.02	3.72e-03	-0.02	-3.85e-06	0.0	2.11e-05
218	4	0.05	0.01	-0.06	-7.00e-06	0.0	6.65e-05
218	19	2.07	0.50	-0.75	-4.19e-04	0.0	-4.25e-05
218	35	0.42	0.63	-0.21	-5.17e-04	0.0	7.53e-05
218	51	1.81	0.46	-0.65	-3.80e-04	0.0	-2.52e-05
218	67	0.31	0.63	-0.17	-5.15e-04	0.0	8.74e-05
218	83	1.58	0.40	-0.57	-3.33e-04	0.0	-1.64e-05

218	99	0.27	0.56	-0.15	-4.58e-04	0.0	8.30e-05
218	115	2.56	0.62	-0.93	-5.11e-04	0.0	-6.41e-05
218	131	0.55	0.75	-0.26	-6.12e-04	0.0	7.73e-05
218	146	0.03	8.92e-03	-0.05	-4.87e-06	0.0	4.65e-05
218	151	0.03	7.21e-03	-0.04	-3.90e-06	0.0	3.83e-05
218	156	0.03	6.83e-03	-0.04	-3.70e-06	0.0	3.63e-05
219	4	0.06	0.02	-0.09	-6.91e-06	0.0	8.33e-05
219	19	3.39	0.74	-1.06	-4.07e-04	0.0	-1.16e-04
219	35	0.70	0.93	-0.30	-4.94e-04	0.0	6.58e-05
219	51	2.95	0.67	-0.91	-3.67e-04	0.0	-8.55e-05
219	67	0.51	0.92	-0.24	-4.90e-04	0.0	8.50e-05
219	83	2.58	0.59	-0.80	-3.23e-04	0.0	-6.75e-05
219	99	0.44	0.82	-0.21	-4.36e-04	0.0	8.25e-05
219	115	4.20	0.91	-1.30	-4.96e-04	0.0	-1.59e-04
219	131	0.91	1.09	-0.37	-5.85e-04	0.0	6.10e-05
219	146	0.04	0.01	-0.06	-4.81e-06	0.0	5.83e-05
219	151	0.03	0.01	-0.06	-3.85e-06	0.0	4.80e-05
219	156	0.03	9.68e-03	-0.05	-3.65e-06	0.0	4.56e-05
220	4	0.06	0.02	-0.12	-4.63e-06	0.0	8.52e-05
220	19	4.88	0.97	-1.32	-3.96e-04	0.0	-2.18e-04
220	35	1.02	1.20	-0.38	-4.70e-04	0.0	2.92e-05
220	51	4.22	0.88	-1.14	-3.57e-04	0.0	-1.72e-04
220	67	0.75	1.20	-0.31	-4.66e-04	0.0	5.60e-05
220	83	3.69	0.78	-1.00	-3.13e-04	0.0	-1.42e-04
220	99	0.64	1.07	-0.27	-4.14e-04	0.0	5.73e-05
220	115	6.04	1.19	-1.63	-4.84e-04	0.0	-2.86e-04
220	131	1.32	1.42	-0.47	-5.58e-04	0.0	1.36e-05
220	146	0.04	0.02	-0.09	-3.21e-06	0.0	5.96e-05
220	151	0.03	0.01	-0.07	-2.54e-06	0.0	4.92e-05
220	156	0.03	0.01	-0.07	-2.41e-06	0.0	4.67e-05
221	4	0.04	0.02	-0.16	2.15e-06	0.0	6.32e-05
221	19	6.49	1.20	-1.57	-3.87e-04	0.0	-3.45e-04
221	35	1.36	1.47	-0.45	-4.50e-04	0.0	-2.24e-05
221	48	5.61	0.38	-1.35	-1.38e-04	0.0	-3.42e-04
221	51	5.61	1.08	-1.35	-3.48e-04	0.0	-2.81e-04
221	67	1.00	1.46	-0.37	-4.45e-04	0.0	1.24e-05
221	80	4.89	0.33	-1.18	-1.17e-04	0.0	-2.93e-04
221	83	4.89	0.95	-1.18	-3.04e-04	0.0	-2.39e-04
221	99	0.86	1.30	-0.33	-3.95e-04	0.0	1.76e-05
221	115	8.05	1.46	-1.93	-4.74e-04	0.0	-4.41e-04
221	131	1.78	1.74	-0.56	-5.35e-04	0.0	-4.98e-05
221	146	0.03	0.02	-0.11	1.53e-06	0.0	4.42e-05
221	151	0.02	0.01	-0.10	1.39e-06	0.0	3.65e-05
221	156	0.02	0.01	-0.09	1.32e-06	0.0	3.46e-05
222	4	8.90e-04	0.01	-0.24	-2.39e-04	0.0	7.59e-06
222	16	8.20	0.63	-1.81	-3.46e-04	0.0	-5.50e-04
222	19	8.20	1.41	-1.81	-6.35e-04	0.0	-5.50e-04
222	35	1.73	1.72	-0.55	-7.55e-04	0.0	-7.33e-05
222	48	7.07	0.46	-1.56	-2.94e-04	0.0	-4.75e-04
222	51	7.07	1.28	-1.57	-5.95e-04	0.0	-4.75e-04
222	67	1.27	1.71	-0.45	-7.53e-04	0.0	-3.02e-05
222	80	6.16	0.39	-1.38	-2.70e-04	0.0	-4.13e-04
222	83	6.16	1.12	-1.38	-5.39e-04	0.0	-4.13e-04
222	99	1.09	1.52	-0.41	-6.84e-04	0.0	-2.29e-05
222	112	10.18	0.81	-2.22	-4.08e-04	0.0	-6.82e-04
222	115	10.18	1.73	-2.22	-7.45e-04	0.0	-6.82e-04
222	131	2.26	2.03	-0.67	-8.71e-04	0.0	-1.09e-04
222	146	6.19e-04	0.01	-0.17	-1.67e-04	0.0	5.30e-06
222	151	5.09e-04	7.85e-03	-0.15	-1.37e-04	0.0	4.36e-06
222	156	4.80e-04	7.44e-03	-0.14	-1.30e-04	0.0	4.13e-06
223	4	-0.03	7.25e-03	-0.04	-7.74e-06	0.0	-3.89e-05
223	17	-0.94	0.26	-0.40	-4.32e-04	0.0	4.18e-06
223	45	-0.19	0.32	-0.11	-5.36e-04	0.0	-5.14e-05
223	49	-0.82	0.23	-0.35	-3.91e-04	0.0	-2.75e-06
223	77	-0.14	0.32	-0.09	-5.34e-04	0.0	-5.69e-05
223	81	-0.72	0.21	-0.30	-3.44e-04	0.0	-5.60e-06
223	109	-0.12	0.28	-0.08	-4.76e-04	0.0	-5.36e-05
223	113	-1.16	0.31	-0.50	-5.26e-04	0.0	1.17e-05
223	141	-0.24	0.38	-0.14	-6.34e-04	0.0	-5.46e-05
223	146	-0.02	5.05e-03	-0.03	-5.38e-06	0.0	-2.72e-05
223	151	-0.02	4.09e-03	-0.02	-4.31e-06	0.0	-2.24e-05
223	156	-0.02	3.87e-03	-0.02	-4.09e-06	0.0	-2.12e-05
224	4	-0.03	-0.01	-0.05	1.62e-05	0.0	-3.93e-05
224	17	-0.94	0.26	-0.12	-4.54e-04	0.0	1.91e-06
224	28	0.81	-0.31	0.05	5.39e-04	0.0	-5.99e-05

224	49	-0.82	0.23	-0.11	-4.07e-04	0.0	-4.76e-06
224	76	0.11	-0.31	-5.31e-03	5.29e-04	0.0	1.55e-05
224	81	-0.72	0.20	-0.10	-3.55e-04	0.0	-7.38e-06
224	108	0.09	-0.28	-8.60e-03	4.71e-04	0.0	1.20e-05
224	113	-1.16	0.32	-0.14	-5.58e-04	0.0	8.93e-06
224	124	1.03	-0.39	0.08	6.67e-04	0.0	-7.11e-05
224	146	-0.02	-8.30e-03	-0.04	1.13e-05	0.0	-2.75e-05
224	151	-0.02	-6.92e-03	-0.03	9.47e-06	0.0	-2.26e-05
224	156	-0.02	-6.56e-03	-0.03	8.99e-06	0.0	-2.15e-05
225	1	0.0	0.0	0.0	9.93e-06	0.0	-2.35e-06
225	15	0.0	0.0	0.0	2.45e-04	0.0	-5.22e-06
225	47	0.0	0.0	0.0	1.88e-04	0.0	-4.98e-06
225	79	0.0	0.0	0.0	1.62e-04	0.0	-4.68e-06
225	111	0.0	0.0	0.0	3.12e-04	0.0	-5.81e-06
225	143	0.0	0.0	0.0	7.27e-06	0.0	-1.72e-06
225	150	0.0	0.0	0.0	7.27e-06	0.0	-1.72e-06
225	155	0.0	0.0	0.0	7.27e-06	0.0	-1.72e-06
226	4	-0.05	0.01	-0.06	-7.45e-06	0.0	-6.71e-05
226	17	-2.08	0.50	-0.75	-4.18e-04	0.0	4.32e-05
226	45	-0.42	0.63	-0.21	-5.16e-04	0.0	-7.46e-05
226	49	-1.81	0.46	-0.65	-3.79e-04	0.0	2.59e-05
226	77	-0.31	0.63	-0.17	-5.14e-04	0.0	-8.67e-05
226	81	-1.58	0.40	-0.57	-3.33e-04	0.0	1.69e-05
226	109	-0.27	0.56	-0.15	-4.57e-04	0.0	-8.24e-05
226	113	-2.56	0.61	-0.93	-5.10e-04	0.0	6.50e-05
226	141	-0.55	0.74	-0.26	-6.11e-04	0.0	-7.64e-05
226	146	-0.03	9.31e-03	-0.05	-5.18e-06	0.0	-4.69e-05
226	151	-0.03	7.53e-03	-0.04	-4.16e-06	0.0	-3.86e-05
226	156	-0.03	7.14e-03	-0.04	-3.94e-06	0.0	-3.67e-05
227	4	-0.05	-0.02	-0.09	9.12e-06	0.0	-6.73e-05
227	17	-2.08	0.53	-0.23	-4.67e-04	0.0	4.26e-05
227	28	1.81	-0.63	0.12	5.44e-04	0.0	-1.47e-04
227	49	-1.81	0.47	-0.21	-4.18e-04	0.0	2.53e-05
227	76	0.26	-0.62	-2.40e-04	5.25e-04	0.0	1.37e-05
227	81	-1.58	0.41	-0.19	-3.65e-04	0.0	1.64e-05
227	108	0.22	-0.55	-6.88e-03	4.67e-04	0.0	9.31e-06
227	113	-2.57	0.65	-0.28	-5.73e-04	0.0	6.42e-05
227	124	2.31	-0.78	0.17	6.75e-04	0.0	-1.78e-04
227	146	-0.03	-0.01	-0.06	6.40e-06	0.0	-4.70e-05
227	151	-0.03	-0.01	-0.05	5.41e-06	0.0	-3.88e-05
227	156	-0.03	-0.01	-0.05	5.13e-06	0.0	-3.68e-05
228	4	-0.06	0.02	-0.09	-7.36e-06	0.0	-8.42e-05
228	17	-3.40	0.74	-1.06	-4.06e-04	0.0	1.17e-04
228	45	-0.70	0.92	-0.30	-4.93e-04	0.0	-6.48e-05
228	49	-2.95	0.67	-0.91	-3.67e-04	0.0	8.63e-05
228	77	-0.51	0.92	-0.24	-4.89e-04	0.0	-8.41e-05
228	81	-2.58	0.59	-0.80	-3.22e-04	0.0	6.82e-05
228	109	-0.44	0.82	-0.21	-4.35e-04	0.0	-8.17e-05
228	113	-4.20	0.90	-1.30	-4.96e-04	0.0	1.60e-04
228	141	-0.91	1.09	-0.37	-5.84e-04	0.0	-5.98e-05
228	146	-0.04	0.01	-0.06	-5.12e-06	0.0	-5.89e-05
228	151	-0.03	0.01	-0.06	-4.11e-06	0.0	-4.86e-05
228	156	-0.03	0.01	-0.05	-3.90e-06	0.0	-4.61e-05
229	4	-0.06	-0.02	-0.12	0.0	0.0	-8.44e-05
229	17	-3.40	0.80	-0.34	-4.80e-04	0.0	1.17e-04
229	28	2.99	-0.95	0.19	5.47e-04	0.0	-2.54e-04
229	49	-2.95	0.72	-0.30	-4.30e-04	0.0	8.60e-05
229	76	0.45	-0.92	7.36e-03	5.16e-04	0.0	-7.74e-06
229	81	-2.58	0.63	-0.27	-3.76e-04	0.0	6.78e-05
229	108	0.38	-0.82	-2.59e-03	4.58e-04	0.0	-1.02e-05
229	113	-4.20	0.99	-0.41	-5.89e-04	0.0	1.60e-04
229	124	3.81	-1.18	0.26	6.80e-04	0.0	-3.12e-04
229	146	-0.04	-0.02	-0.09	0.0	0.0	-5.90e-05
229	151	-0.03	-0.01	-0.07	0.0	0.0	-4.86e-05
229	156	-0.03	-0.01	-0.07	0.0	0.0	-4.62e-05
230	4	-0.06	0.02	-0.12	-5.06e-06	0.0	-8.64e-05
230	17	-4.88	0.97	-1.32	-3.96e-04	0.0	2.20e-04
230	45	-1.02	1.20	-0.38	-4.69e-04	0.0	-2.82e-05
230	49	-4.23	0.88	-1.14	-3.56e-04	0.0	1.73e-04
230	77	-0.75	1.20	-0.31	-4.65e-04	0.0	-5.51e-05
230	81	-3.69	0.77	-1.00	-3.13e-04	0.0	1.43e-04
230	109	-0.64	1.07	-0.27	-4.13e-04	0.0	-5.65e-05
230	113	-6.04	1.19	-1.63	-4.84e-04	0.0	2.88e-04
230	141	-1.32	1.42	-0.47	-5.57e-04	0.0	-1.23e-05
230	146	-0.04	0.02	-0.09	-3.51e-06	0.0	-6.04e-05

230	151	-0.03	0.01	-0.07	-2.78e-06	0.0	-4.99e-05
230	156	-0.03	0.01	-0.07	-2.64e-06	0.0	-4.73e-05
231	4	-0.06	-0.02	-0.16	-1.35e-05	0.0	-8.70e-05
231	17	-4.88	1.09	-0.45	-4.91e-04	0.0	2.19e-04
231	28	4.34	-1.27	0.25	5.44e-04	0.0	-3.74e-04
231	49	-4.23	0.97	-0.40	-4.39e-04	0.0	1.72e-04
231	76	0.69	-1.22	0.01	5.01e-04	0.0	-3.96e-05
231	81	-3.69	0.85	-0.36	-3.85e-04	0.0	1.43e-04
231	108	0.58	-1.08	-1.15e-04	4.44e-04	0.0	-3.82e-05
231	113	-6.04	1.34	-0.54	-6.01e-04	0.0	2.87e-04
231	124	5.52	-1.57	0.35	6.79e-04	0.0	-4.63e-04
231	146	-0.04	-0.01	-0.11	-9.43e-06	0.0	-6.08e-05
231	151	-0.03	-0.01	-0.09	-7.65e-06	0.0	-5.02e-05
231	156	-0.03	-0.01	-0.09	-7.25e-06	0.0	-4.76e-05
232	4	-0.04	0.02	-0.16	1.90e-06	0.0	-6.47e-05
232	17	-6.49	1.20	-1.57	-3.87e-04	0.0	3.46e-04
232	45	-1.37	1.46	-0.45	-4.50e-04	0.0	2.26e-05
232	49	-5.61	1.08	-1.35	-3.48e-04	0.0	2.82e-04
232	77	-1.00	1.46	-0.37	-4.45e-04	0.0	-1.23e-05
232	81	-4.89	0.95	-1.18	-3.05e-04	0.0	2.40e-04
232	109	-0.86	1.30	-0.33	-3.95e-04	0.0	-1.77e-05
232	113	-8.05	1.46	-1.93	-4.75e-04	0.0	4.43e-04
232	141	-1.78	1.73	-0.56	-5.35e-04	0.0	5.02e-05
232	146	-0.03	0.02	-0.11	1.36e-06	0.0	-4.53e-05
232	151	-0.02	0.01	-0.10	1.25e-06	0.0	-3.74e-05
232	156	-0.02	0.01	-0.09	1.19e-06	0.0	-3.55e-05
233	3	-0.04	-7.37e-03	-0.19	-2.49e-05	0.0	-6.40e-05
233	4	-0.04	-7.17e-03	-0.20	-2.64e-05	0.0	-6.74e-05
233	17	-6.49	1.38	-0.56	-4.97e-04	0.0	3.45e-04
233	28	5.82	-1.58	0.30	5.35e-04	0.0	-4.90e-04
233	49	-5.61	1.23	-0.50	-4.45e-04	0.0	2.81e-04
233	76	0.96	-1.51	8.63e-03	4.85e-04	0.0	-6.01e-05
233	81	-4.89	1.08	-0.45	-3.91e-04	0.0	2.38e-04
233	108	0.82	-1.34	-7.55e-03	4.29e-04	0.0	-5.47e-05
233	113	-8.05	1.69	-0.67	-6.07e-04	0.0	4.41e-04
233	124	7.40	-1.97	0.42	6.71e-04	0.0	-6.14e-04
233	145	-0.03	-5.23e-03	-0.14	-1.74e-05	0.0	-4.48e-05
233	146	-0.03	-5.10e-03	-0.14	-1.85e-05	0.0	-4.71e-05
233	151	-0.02	-4.56e-03	-0.12	-1.51e-05	0.0	-3.89e-05
233	156	-0.02	-4.34e-03	-0.12	-1.43e-05	0.0	-3.69e-05
234	4	-6.95e-04	0.02	-0.24	-2.40e-04	0.0	-8.58e-06
234	17	-8.20	1.41	-1.81	-6.34e-04	0.0	5.49e-04
234	45	-1.74	1.71	-0.55	-7.55e-04	0.0	7.27e-05
234	49	-7.07	1.28	-1.57	-5.94e-04	0.0	4.75e-04
234	77	-1.28	1.70	-0.45	-7.53e-04	0.0	2.97e-05
234	81	-6.16	1.12	-1.38	-5.38e-04	0.0	4.13e-04
234	109	-1.09	1.51	-0.41	-6.84e-04	0.0	2.24e-05
234	113	-10.18	1.73	-2.22	-7.44e-04	0.0	6.82e-04
234	141	-2.26	2.03	-0.67	-8.70e-04	0.0	1.08e-04
234	146	-4.82e-04	0.01	-0.17	-1.67e-04	0.0	-5.99e-06
234	151	-3.92e-04	8.57e-03	-0.15	-1.37e-04	0.0	-4.92e-06
234	156	-3.69e-04	8.13e-03	-0.14	-1.30e-04	0.0	-4.66e-06
235	4	-2.32e-04	0.01	-0.27	-2.11e-04	0.0	-1.00e-05
235	17	-8.20	1.67	-0.66	-6.59e-04	0.0	5.51e-04
235	29	-7.42	1.91	-0.63	-7.24e-04	0.0	5.70e-04
235	49	-7.07	1.50	-0.58	-6.10e-04	0.0	4.76e-04
235	77	-1.28	1.80	-0.30	-6.99e-04	0.0	2.87e-05
235	81	-6.16	1.31	-0.53	-5.50e-04	0.0	4.14e-04
235	109	-1.09	1.60	-0.28	-6.34e-04	0.0	2.15e-05
235	113	-10.18	2.05	-0.78	-7.80e-04	0.0	6.84e-04
235	125	-9.43	2.37	-0.76	-8.71e-04	0.0	7.28e-04
235	146	-1.51e-04	9.77e-03	-0.19	-1.47e-04	0.0	-6.99e-06
235	151	-1.09e-04	7.64e-03	-0.16	-1.21e-04	0.0	-5.74e-06
235	156	-9.63e-05	7.23e-03	-0.16	-1.14e-04	0.0	-5.44e-06
236	4	-0.03	-0.03	-0.06	0.0	-3.89e-05	1.22e-05
236	17	-0.94	0.26	0.06	0.0	-1.80e-03	-5.45e-05
236	19	0.91	-0.17	-0.13	0.0	1.75e-03	6.74e-05
236	28	0.81	-0.34	-0.12	0.0	1.57e-03	6.75e-05
236	49	-0.82	0.23	0.04	0.0	-1.56e-03	-4.40e-05
236	51	0.79	-0.14	-0.11	0.0	1.52e-03	5.69e-05
236	76	0.11	-0.31	-0.04	0.0	2.26e-04	4.66e-05
236	81	-0.72	0.20	0.03	0.0	-1.37e-03	-3.72e-05
236	83	0.69	-0.12	-0.10	0.0	1.32e-03	5.02e-05
236	108	0.09	-0.27	-0.04	0.0	1.89e-04	4.21e-05
236	113	-1.16	0.32	0.08	0.0	-2.22e-03	-7.03e-05

236	115	1.13	-0.22	-0.15	0.0	2.18e-03	8.30e-05
236	124	1.03	-0.42	-0.14	0.0	2.00e-03	8.11e-05
236	146	-0.02	-0.02	-0.04	0.0	-2.71e-05	8.50e-06
236	151	-0.02	-0.02	-0.03	0.0	-2.24e-05	7.02e-06
236	156	-0.02	-0.02	-0.03	0.0	-2.12e-05	6.66e-06
237	4	-0.05	-0.05	-0.10	0.0	-2.48e-05	2.16e-05
237	17	-2.08	0.55	0.11	0.0	-2.10e-03	-6.40e-05
237	19	2.02	-0.36	-0.23	0.0	2.08e-03	8.68e-05
237	28	1.81	-0.70	-0.21	0.0	1.87e-03	9.85e-05
237	49	-1.81	0.49	0.08	0.0	-1.82e-03	-5.00e-05
237	51	1.76	-0.28	-0.21	0.0	1.80e-03	7.29e-05
237	76	0.26	-0.62	-0.08	0.0	2.95e-04	8.33e-05
237	81	-1.58	0.42	0.06	0.0	-1.59e-03	-4.17e-05
237	83	1.53	-0.25	-0.19	0.0	1.56e-03	6.46e-05
237	108	0.22	-0.56	-0.08	0.0	2.49e-04	7.54e-05
237	113	-2.57	0.68	0.15	0.0	-2.61e-03	-8.41e-05
237	115	2.51	-0.45	-0.27	0.0	2.58e-03	1.07e-04
237	124	2.31	-0.87	-0.25	0.0	2.38e-03	1.14e-04
237	146	-0.03	-0.04	-0.07	0.0	-1.73e-05	1.51e-05
237	151	-0.03	-0.03	-0.06	0.0	-1.42e-05	1.24e-05
237	156	-0.03	-0.03	-0.06	0.0	-1.35e-05	1.18e-05
238	4	-0.06	-0.07	-0.15	0.0	-6.19e-06	2.66e-05
238	17	-3.40	0.87	0.14	0.0	-2.40e-03	4.63e-06
238	19	3.33	-0.55	-0.32	0.0	2.39e-03	2.36e-05
238	28	2.99	-1.08	-0.29	0.0	2.16e-03	-5.25e-05
238	49	-2.95	0.77	0.10	0.0	-2.07e-03	7.17e-06
238	51	2.89	-0.44	-0.29	0.0	2.06e-03	2.11e-05
238	76	0.45	-0.95	-0.11	0.0	3.67e-04	5.75e-05
238	81	-2.58	0.67	0.08	0.0	-1.80e-03	8.14e-06
238	83	2.51	-0.38	-0.26	0.0	1.80e-03	2.02e-05
238	108	0.38	-0.84	-0.11	0.0	3.13e-04	5.30e-05
238	113	-4.20	1.07	0.19	0.0	-2.98e-03	1.07e-06
238	115	4.14	-0.70	-0.38	0.0	2.97e-03	2.69e-05
238	124	3.81	-1.34	-0.34	0.0	2.75e-03	-6.25e-05
238	146	-0.04	-0.05	-0.10	0.0	-4.32e-06	1.86e-05
238	151	-0.03	-0.04	-0.09	0.0	-3.56e-06	1.54e-05
238	156	-0.03	-0.04	-0.08	0.0	-3.37e-06	1.46e-05
239	4	-0.06	-0.06	-0.20	0.0	1.70e-05	2.55e-05
239	17	-4.88	1.20	0.16	0.0	-2.65e-03	1.59e-04
239	19	4.81	-0.75	-0.40	0.0	2.67e-03	-1.31e-04
239	28	4.34	-1.46	-0.36	0.0	2.42e-03	-1.69e-04
239	49	-4.23	1.07	0.11	0.0	-2.28e-03	1.45e-04
239	51	4.16	-0.59	-0.36	0.0	2.30e-03	-1.17e-04
239	76	0.69	-1.27	-0.14	0.0	4.37e-04	4.71e-05
239	81	-3.69	0.93	0.08	0.0	-1.98e-03	1.28e-04
239	83	3.62	-0.51	-0.33	0.0	2.00e-03	-1.01e-04
239	108	0.58	-1.13	-0.14	0.0	3.75e-04	4.44e-05
239	113	-6.04	1.49	0.22	0.0	-3.30e-03	1.91e-04
239	115	5.98	-0.95	-0.47	0.0	3.31e-03	-1.64e-04
239	124	5.52	-1.81	-0.43	0.0	3.08e-03	-2.15e-04
239	146	-0.04	-0.04	-0.14	0.0	1.19e-05	1.78e-05
239	151	-0.03	-0.04	-0.12	0.0	9.78e-06	1.47e-05
239	156	-0.03	-0.04	-0.11	0.0	9.27e-06	1.39e-05
240	4	-0.04	-0.04	-0.28	0.0	4.39e-05	1.65e-05
240	17	-6.49	1.56	0.15	0.0	-2.84e-03	3.56e-04
240	19	6.45	-0.95	-0.48	0.0	2.89e-03	-3.38e-04
240	28	5.82	-1.84	-0.43	0.0	2.63e-03	-3.65e-04
240	49	-5.61	1.38	0.10	0.0	-2.44e-03	3.12e-04
240	51	5.57	-0.74	-0.44	0.0	2.49e-03	-2.94e-04
240	60	4.71	-1.59	-0.38	0.0	2.12e-03	-2.96e-04
240	81	-4.89	1.21	0.07	0.0	-2.12e-03	2.73e-04
240	83	4.85	-0.64	-0.40	0.0	2.17e-03	-2.56e-04
240	108	0.82	-1.41	-0.18	0.0	4.31e-04	1.35e-05
240	113	-8.05	1.92	0.22	0.0	-3.54e-03	4.37e-04
240	115	8.01	-1.20	-0.56	0.0	3.59e-03	-4.20e-04
240	124	7.40	-2.29	-0.51	0.0	3.34e-03	-4.66e-04
240	146	-0.03	-0.03	-0.20	0.0	3.07e-05	1.15e-05
240	151	-0.02	-0.03	-0.16	0.0	2.53e-05	9.51e-06
240	156	-0.02	-0.02	-0.16	0.0	2.40e-05	9.01e-06
241	4	5.33e-04	0.01	-0.42	-3.48e-04	7.10e-06	0.0
241	11	5.45e-04	0.01	-0.39	-3.19e-04	5.62e-06	0.0
241	16	8.20	-1.92	-0.54	-1.05e-04	3.29e-03	-5.70e-04
241	19	8.20	-1.12	-0.57	-1.47e-04	3.29e-03	-5.70e-04
241	29	-7.42	2.22	0.05	-2.90e-04	-2.99e-03	5.89e-04
241	48	7.07	-1.71	-0.50	-1.11e-04	2.80e-03	-4.94e-04

241	51	7.07	-0.88	-0.52	-1.55e-04	2.80e-03	-4.94e-04
241	61	-6.00	1.91	-0.01	-2.80e-04	-2.39e-03	4.75e-04
241	80	6.16	-1.49	-0.46	-1.21e-04	2.44e-03	-4.30e-04
241	83	6.16	-0.75	-0.48	-1.60e-04	2.44e-03	-4.30e-04
241	109	-1.09	1.69	-0.21	-2.77e-04	-5.22e-04	2.82e-05
241	112	10.18	-2.36	-0.62	-8.67e-05	4.09e-03	-7.06e-04
241	115	10.18	-1.43	-0.65	-1.35e-04	4.09e-03	-7.06e-04
241	125	-9.43	2.76	0.12	-3.13e-04	-3.82e-03	7.50e-04
241	146	3.90e-04	7.25e-03	-0.29	-2.43e-04	4.98e-06	0.0
241	149	3.98e-04	7.18e-03	-0.27	-2.24e-04	3.99e-06	0.0
241	151	3.45e-04	5.55e-03	-0.24	-2.01e-04	4.38e-06	0.0
241	154	3.49e-04	5.59e-03	-0.24	-1.95e-04	4.04e-06	0.0
241	156	3.39e-04	5.26e-03	-0.23	-1.90e-04	4.12e-06	0.0
242	4	-0.03	-0.03	-0.07	0.0	-4.80e-05	1.13e-05
242	17	-0.95	0.26	-0.06	0.0	-1.78e-03	2.19e-06
242	28	0.82	-0.34	-8.81e-04	0.0	1.56e-03	-1.66e-05
242	45	-0.20	0.28	-0.09	0.0	-3.73e-04	-6.91e-06
242	49	-0.83	0.23	-0.06	0.0	-1.55e-03	2.83e-06
242	76	0.11	-0.31	0.02	0.0	2.21e-04	2.08e-05
242	77	-0.14	0.27	-0.09	0.0	-2.73e-04	-8.39e-06
242	81	-0.73	0.20	-0.05	0.0	-1.36e-03	3.23e-06
242	108	0.09	-0.27	0.01	0.0	1.84e-04	1.92e-05
242	109	-0.13	0.24	-0.09	0.0	-2.37e-04	-6.83e-06
242	113	-1.17	0.32	-0.06	0.0	-2.20e-03	0.0
242	124	1.05	-0.42	6.20e-03	0.0	1.99e-03	-2.00e-05
242	141	-0.25	0.33	-0.10	0.0	-4.81e-04	-8.47e-06
242	146	-0.02	-0.02	-0.05	0.0	-3.35e-05	7.91e-06
242	151	-0.02	-0.02	-0.04	0.0	-2.76e-05	6.52e-06
242	156	-0.02	-0.02	-0.04	0.0	-2.62e-05	6.18e-06
243	4	-0.06	-0.05	-0.14	0.0	-3.12e-05	2.12e-05
243	17	-2.05	0.55	-0.09	0.0	-2.11e-03	-3.36e-05
243	28	1.80	-0.70	-0.02	0.0	1.88e-03	8.30e-05
243	45	-0.43	0.57	-0.17	0.0	-4.49e-04	-5.05e-05
243	49	-1.79	0.49	-0.10	0.0	-1.83e-03	-2.45e-05
243	76	0.25	-0.62	0.02	0.0	2.96e-04	7.93e-05
243	77	-0.32	0.56	-0.17	0.0	-3.30e-04	-5.61e-05
243	81	-1.57	0.42	-0.09	0.0	-1.59e-03	-1.96e-05
243	108	0.21	-0.56	7.40e-03	0.0	2.50e-04	7.20e-05
243	109	-0.27	0.50	-0.16	0.0	-2.84e-04	-4.87e-05
243	113	-2.54	0.68	-0.10	0.0	-2.61e-03	-4.60e-05
243	124	2.29	-0.87	-0.01	0.0	2.40e-03	9.29e-05
243	141	-0.56	0.69	-0.18	0.0	-5.81e-04	-5.87e-05
243	146	-0.04	-0.04	-0.10	0.0	-2.18e-05	1.48e-05
243	151	-0.03	-0.03	-0.08	0.0	-1.80e-05	1.22e-05
243	156	-0.03	-0.03	-0.08	0.0	-1.70e-05	1.16e-05
244	4	-0.07	-0.07	-0.22	0.0	-6.88e-06	2.63e-05
244	17	-3.40	0.87	-0.12	0.0	-2.48e-03	1.18e-05
244	28	3.01	-1.08	-0.06	0.0	2.26e-03	-5.66e-05
244	45	-0.72	0.89	-0.24	0.0	-5.37e-04	-2.25e-05
244	49	-2.96	0.77	-0.13	0.0	-2.14e-03	1.22e-05
244	76	0.45	-0.95	1.39e-05	0.0	3.89e-04	5.62e-05
244	77	-0.53	0.87	-0.24	0.0	-3.97e-04	-2.74e-05
244	81	-2.58	0.67	-0.13	0.0	-1.87e-03	1.24e-05
244	108	0.38	-0.84	-0.01	0.0	3.32e-04	5.17e-05
244	109	-0.46	0.77	-0.23	0.0	-3.40e-04	-2.30e-05
244	113	-4.20	1.07	-0.12	0.0	-3.08e-03	1.05e-05
244	124	3.84	-1.34	-0.05	0.0	2.87e-03	-6.83e-05
244	141	-0.93	1.07	-0.26	0.0	-6.98e-04	-2.64e-05
244	146	-0.05	-0.05	-0.15	0.0	-4.80e-06	1.84e-05
244	151	-0.04	-0.04	-0.13	0.0	-3.95e-06	1.52e-05
244	156	-0.04	-0.04	-0.12	0.0	-3.74e-06	1.44e-05
245	4	-0.07	-0.06	-0.32	0.0	2.32e-05	2.39e-05
245	17	-4.96	1.20	-0.15	0.0	-2.81e-03	1.70e-04
245	28	4.44	-1.46	-0.19	0.0	2.59e-03	-1.79e-04
245	39	1.76	0.58	-0.32	0.0	1.01e-03	-1.06e-04
245	49	-4.30	1.07	-0.16	0.0	-2.41e-03	1.53e-04
245	71	1.59	0.66	-0.32	0.0	8.98e-04	-1.09e-04
245	76	0.71	-1.27	-0.07	0.0	4.78e-04	4.33e-05
245	81	-3.75	0.93	-0.16	0.0	-2.10e-03	1.36e-04
245	107	1.28	0.57	-0.30	0.0	7.23e-04	-1.14e-04
245	108	0.60	-1.13	-0.08	0.0	4.11e-04	4.10e-05
245	113	-6.15	1.49	-0.14	0.0	-3.49e-03	2.05e-04
245	124	5.66	-1.81	-0.19	0.0	3.29e-03	-2.29e-04
245	135	2.16	0.66	-0.34	0.0	1.24e-03	-1.26e-04
245	146	-0.05	-0.05	-0.22	0.0	1.62e-05	1.67e-05

245	151	-0.04	-0.04	-0.19	0.0	1.34e-05	1.38e-05
245	156	-0.04	-0.04	-0.18	0.0	1.27e-05	1.30e-05
246	4	-0.04	-0.05	-0.47	0.0	5.29e-05	1.26e-05
246	17	-6.69	1.56	-0.20	0.0	-3.02e-03	3.74e-04
246	28	6.05	-1.84	-0.30	0.0	2.82e-03	-3.85e-04
246	39	2.38	0.75	-0.42	0.0	1.09e-03	-1.87e-04
246	49	-5.78	1.38	-0.21	0.0	-2.59e-03	3.27e-04
246	60	4.90	-1.59	-0.30	0.0	2.28e-03	-3.12e-04
246	71	2.14	0.85	-0.42	0.0	9.73e-04	-1.82e-04
246	81	-5.04	1.21	-0.22	0.0	-2.25e-03	2.86e-04
246	103	1.87	0.77	-0.40	0.0	8.55e-04	-1.59e-04
246	108	0.86	-1.41	-0.17	0.0	4.72e-04	6.41e-06
246	113	-8.30	1.92	-0.18	0.0	-3.76e-03	4.61e-04
246	124	7.70	-2.29	-0.32	0.0	3.59e-03	-4.92e-04
246	135	2.93	0.85	-0.45	0.0	1.34e-03	-2.24e-04
246	146	-0.03	-0.03	-0.33	0.0	3.69e-05	8.81e-06
246	151	-0.03	-0.03	-0.28	0.0	3.05e-05	7.26e-06
246	156	-0.02	-0.03	-0.26	0.0	2.89e-05	6.88e-06
247	4	-3.98e-04	0.01	-0.75	-4.29e-04	4.88e-06	0.0
247	17	-8.51	1.93	-0.29	-3.79e-04	-3.46e-03	6.21e-04
247	19	8.51	-1.12	-0.61	-1.35e-04	3.46e-03	-6.20e-04
247	29	-7.77	2.22	-0.32	-3.92e-04	-3.18e-03	6.28e-04
247	49	-7.34	1.72	-0.32	-3.64e-04	-2.94e-03	5.44e-04
247	51	7.33	-0.88	-0.59	-1.52e-04	2.95e-03	-5.43e-04
247	61	-6.28	1.91	-0.35	-3.71e-04	-2.54e-03	5.12e-04
247	81	-6.39	1.51	-0.33	-3.48e-04	-2.56e-03	4.75e-04
247	83	6.39	-0.75	-0.57	-1.63e-04	2.56e-03	-4.74e-04
247	109	-1.16	1.69	-0.50	-3.41e-04	-5.65e-04	3.13e-05
247	113	-10.57	2.37	-0.26	-4.13e-04	-3.60e-03	7.67e-04
247	115	10.57	-1.43	-0.66	-1.10e-04	4.31e-03	-7.66e-04
247	125	-9.88	2.76	-0.30	-4.32e-04	-4.05e-03	7.98e-04
247	146	-2.73e-04	7.26e-03	-0.53	-3.00e-04	3.45e-06	0.0
247	151	-2.20e-04	5.57e-03	-0.44	-2.47e-04	3.06e-06	0.0
247	154	-2.09e-04	5.61e-03	-0.43	-2.40e-04	2.85e-06	0.0
247	156	-2.05e-04	5.28e-03	-0.42	-2.34e-04	2.90e-06	0.0
248	4	-0.02	-0.03	-0.04	0.0	-2.92e-05	1.25e-05
248	17	-1.02	0.26	0.01	0.0	-1.85e-03	-8.36e-05
248	19	1.00	-0.17	-0.05	0.0	1.82e-03	9.68e-05
248	28	0.88	-0.34	-0.05	0.0	1.61e-03	9.30e-05
248	49	-0.89	0.23	5.60e-03	0.0	-1.61e-03	-6.87e-05
248	51	0.87	-0.14	-0.05	0.0	1.58e-03	8.19e-05
248	76	0.12	-0.31	-0.02	0.0	2.35e-04	5.29e-05
248	81	-0.78	0.20	2.15e-03	0.0	-1.41e-03	-5.87e-05
248	83	0.75	-0.12	-0.05	0.0	1.37e-03	7.20e-05
248	108	0.10	-0.27	-0.02	0.0	1.98e-04	4.75e-05
248	113	-1.26	0.33	0.02	0.0	-2.29e-03	-1.07e-04
248	115	1.24	-0.22	-0.06	0.0	2.26e-03	1.20e-04
248	124	1.12	-0.42	-0.06	0.0	2.05e-03	1.14e-04
248	146	-0.01	-0.02	-0.03	0.0	-2.04e-05	8.73e-06
248	151	-0.01	-0.02	-0.02	0.0	-1.68e-05	7.21e-06
248	156	-0.01	-0.02	-0.02	0.0	-1.59e-05	6.84e-06
249	1	0.0	0.0	0.0	0.0	-1.65e-05	0.0
249	15	0.0	0.0	0.0	0.0	1.64e-03	5.14e-06
249	47	0.0	0.0	0.0	0.0	1.40e-03	4.57e-06
249	79	0.0	0.0	0.0	0.0	1.22e-03	4.08e-06
249	111	0.0	0.0	0.0	0.0	2.04e-03	6.19e-06
249	143	0.0	0.0	0.0	0.0	-1.21e-05	0.0
249	150	0.0	0.0	0.0	0.0	-1.21e-05	0.0
249	155	0.0	0.0	0.0	0.0	-1.21e-05	0.0
250	4	-0.04	-0.05	-0.07	0.0	-1.86e-05	2.11e-05
250	17	-2.14	0.55	0.02	0.0	-2.06e-03	-6.46e-05
250	19	2.10	-0.36	-0.11	0.0	2.04e-03	8.67e-05
250	28	1.87	-0.70	-0.10	0.0	1.82e-03	9.75e-05
250	49	-1.86	0.49	0.01	0.0	-1.78e-03	-5.06e-05
250	51	1.82	-0.28	-0.10	0.0	1.76e-03	7.28e-05
250	76	0.27	-0.62	-0.05	0.0	2.83e-04	8.20e-05
250	81	-1.63	0.42	7.19e-03	0.0	-1.56e-03	-4.23e-05
250	83	1.59	-0.25	-0.09	0.0	1.53e-03	6.46e-05
250	108	0.23	-0.56	-0.05	0.0	2.40e-04	7.43e-05
250	113	-2.65	0.68	0.04	0.0	-2.55e-03	-8.46e-05
250	115	2.61	-0.45	-0.13	0.0	2.53e-03	1.06e-04
250	124	2.37	-0.87	-0.11	0.0	2.31e-03	1.13e-04
250	146	-0.02	-0.04	-0.05	0.0	-1.30e-05	1.47e-05
250	151	-0.02	-0.03	-0.04	0.0	-1.07e-05	1.21e-05
250	156	-0.02	-0.03	-0.04	0.0	-1.01e-05	1.15e-05

251	4	-0.04	-0.07	-0.11	0.0	-3.71e-06	2.60e-05
251	17	-3.41	0.87	0.04	0.0	-2.29e-03	1.38e-05
251	19	3.37	-0.55	-0.16	0.0	2.29e-03	1.37e-05
251	28	2.99	-1.08	-0.15	0.0	2.05e-03	-6.03e-05
251	49	-2.96	0.77	0.02	0.0	-1.98e-03	1.32e-05
251	51	2.92	-0.44	-0.15	0.0	1.98e-03	1.43e-05
251	76	0.45	-0.95	-0.07	0.0	3.42e-04	5.48e-05
251	81	-2.59	0.67	0.01	0.0	-1.73e-03	1.32e-05
251	83	2.54	-0.38	-0.14	0.0	1.72e-03	1.44e-05
251	108	0.38	-0.84	-0.07	0.0	2.91e-04	5.06e-05
251	113	-4.23	1.07	0.06	0.0	-2.85e-03	1.33e-05
251	115	4.18	-0.70	-0.19	0.0	2.84e-03	1.39e-05
251	124	3.81	-1.34	-0.17	0.0	2.61e-03	-7.36e-05
251	146	-0.03	-0.05	-0.07	0.0	-2.59e-06	1.82e-05
251	151	-0.02	-0.04	-0.06	0.0	-2.14e-06	1.50e-05
251	156	-0.02	-0.04	-0.06	0.0	-2.02e-06	1.42e-05
252	4	-0.04	-0.06	-0.14	0.0	1.41e-05	2.64e-05
252	17	-4.82	1.20	0.05	0.0	-2.50e-03	1.74e-04
252	19	4.78	-0.75	-0.22	0.0	2.52e-03	-1.46e-04
252	28	4.26	-1.46	-0.20	0.0	2.26e-03	-1.81e-04
252	49	-4.18	1.07	0.03	0.0	-2.15e-03	1.58e-04
252	51	4.13	-0.59	-0.20	0.0	2.17e-03	-1.30e-04
252	76	0.67	-1.27	-0.10	0.0	3.99e-04	4.44e-05
252	81	-3.64	0.93	0.01	0.0	-1.87e-03	1.40e-04
252	83	3.60	-0.51	-0.19	0.0	1.89e-03	-1.12e-04
252	108	0.57	-1.13	-0.10	0.0	3.42e-04	4.21e-05
252	113	-5.97	1.49	0.08	0.0	-3.11e-03	2.10e-04
252	115	5.93	-0.95	-0.26	0.0	3.13e-03	-1.82e-04
252	124	5.42	-1.81	-0.24	0.0	2.88e-03	-2.31e-04
252	146	-0.03	-0.04	-0.10	0.0	9.82e-06	1.84e-05
252	151	-0.02	-0.04	-0.09	0.0	8.11e-06	1.52e-05
252	156	-0.02	-0.03	-0.08	0.0	7.68e-06	1.44e-05
253	4	-0.03	-0.04	-0.20	0.0	3.16e-05	1.95e-05
253	17	-6.34	1.56	0.05	0.0	-2.65e-03	3.57e-04
253	19	6.31	-0.95	-0.29	0.0	2.69e-03	-3.36e-04
253	28	5.64	-1.84	-0.26	0.0	2.42e-03	-3.62e-04
253	49	-5.48	1.38	0.02	0.0	-2.28e-03	3.13e-04
253	51	5.45	-0.74	-0.26	0.0	2.31e-03	-2.92e-04
253	60	4.57	-1.59	-0.23	0.0	1.96e-03	-2.94e-04
253	81	-4.78	1.21	4.63e-03	0.0	-1.98e-03	2.75e-04
253	83	4.75	-0.64	-0.24	0.0	2.01e-03	-2.54e-04
253	108	0.78	-1.41	-0.13	0.0	3.83e-04	1.55e-05
253	113	-7.86	1.92	0.09	0.0	-3.30e-03	4.38e-04
253	115	7.83	-1.20	-0.33	0.0	3.33e-03	-4.17e-04
253	124	7.18	-2.29	-0.31	0.0	3.08e-03	-4.63e-04
253	146	-0.02	-0.03	-0.14	0.0	2.21e-05	1.36e-05
253	151	-0.02	-0.02	-0.12	0.0	1.82e-05	1.12e-05
253	156	-0.01	-0.02	-0.12	0.0	1.72e-05	1.06e-05
254	4	-5.15e-04	0.01	-0.32	-2.52e-04	7.72e-06	0.0
254	17	-7.92	1.93	0.02	-1.81e-04	-3.18e-03	5.72e-04
254	19	7.92	-1.12	-0.39	-1.27e-04	-3.19e-03	-5.73e-04
254	29	-7.10	2.22	3.36e-04	-1.91e-04	-2.88e-03	5.89e-04
254	49	-6.84	1.72	-0.01	-1.82e-04	-2.71e-03	4.95e-04
254	51	6.84	-0.88	-0.36	-1.28e-04	2.72e-03	-4.95e-04
254	61	-5.75	1.91	-0.04	-1.90e-04	-2.30e-03	4.74e-04
254	81	-5.96	1.51	-0.04	-1.77e-04	-2.35e-03	4.31e-04
254	83	5.96	-0.75	-0.34	-1.29e-04	2.36e-03	-4.31e-04
254	109	-1.02	1.69	-0.16	-2.01e-04	-4.86e-04	2.92e-05
254	113	-9.83	2.37	0.07	-1.89e-04	-3.95e-03	7.08e-04
254	115	9.83	-1.43	-0.44	-1.25e-04	3.96e-03	-7.09e-04
254	125	-9.03	2.76	0.05	-2.02e-04	-3.67e-03	7.51e-04
254	146	-3.56e-04	7.60e-03	-0.23	-1.76e-04	5.39e-06	0.0
254	151	-2.86e-04	5.84e-03	-0.19	-1.45e-04	4.75e-06	0.0
254	154	-2.77e-04	5.86e-03	-0.19	-1.41e-04	4.32e-06	0.0
254	156	-2.69e-04	5.53e-03	-0.18	-1.38e-04	4.44e-06	0.0
255	4	-0.01	-0.03	-0.03	0.0	-2.03e-05	1.05e-05
255	16	1.04	-0.30	-0.04	0.0	1.85e-03	2.82e-05
255	17	-1.06	0.26	0.01	0.0	-1.87e-03	-1.67e-05
255	28	0.91	-0.34	-0.04	0.0	1.63e-03	3.85e-05
255	48	0.91	-0.27	-0.04	0.0	1.61e-03	2.38e-05
255	49	-0.92	0.23	8.28e-03	0.0	-1.63e-03	-1.23e-05
255	76	0.13	-0.31	-0.02	0.0	2.36e-04	3.69e-05
255	80	0.79	-0.23	-0.04	0.0	1.40e-03	2.14e-05
255	81	-0.80	0.20	5.14e-03	0.0	-1.42e-03	-9.83e-06
255	108	0.11	-0.27	-0.02	0.0	1.99e-04	3.35e-05

255	112	1.29	-0.36	-0.05	0.0	2.30e-03	3.43e-05
255	113	-1.31	0.32	0.02	0.0	-2.32e-03	-2.28e-05
255	124	1.16	-0.42	-0.05	0.0	2.07e-03	4.32e-05
255	146	-9.75e-03	-0.02	-0.02	0.0	-1.41e-05	7.37e-06
255	151	-8.04e-03	-0.02	-0.02	0.0	-1.17e-05	6.08e-06
255	156	-7.61e-03	-0.02	-0.02	0.0	-1.10e-05	5.77e-06
256	1	0.0	0.0	0.0	0.0	-1.14e-05	0.0
256	15	0.0	0.0	0.0	0.0	1.70e-03	2.08e-06
256	47	0.0	0.0	0.0	0.0	1.46e-03	1.95e-06
256	79	0.0	0.0	0.0	0.0	1.27e-03	1.79e-06
256	111	0.0	0.0	0.0	0.0	2.12e-03	2.40e-06
256	143	0.0	0.0	0.0	0.0	-8.28e-06	0.0
256	150	0.0	0.0	0.0	0.0	-8.28e-06	0.0
256	155	0.0	0.0	0.0	0.0	-8.28e-06	0.0
257	4	-0.02	-0.05	-0.05	0.0	-1.27e-05	1.82e-05
257	16	2.15	-0.61	-0.09	0.0	2.00e-03	1.06e-05
257	17	-2.18	0.55	0.02	0.0	-2.01e-03	9.41e-06
257	28	1.89	-0.70	-0.08	0.0	1.76e-03	-3.86e-05
257	48	1.87	-0.55	-0.08	0.0	1.73e-03	1.07e-05
257	49	-1.89	0.49	0.02	0.0	-1.74e-03	9.27e-06
257	76	0.27	-0.62	-0.04	0.0	2.70e-04	3.59e-05
257	80	1.63	-0.48	-0.07	0.0	1.51e-03	1.07e-05
257	81	-1.65	0.42	0.01	0.0	-1.52e-03	9.29e-06
257	108	0.23	-0.56	-0.04	0.0	2.28e-04	3.32e-05
257	112	2.67	-0.74	-0.10	0.0	2.48e-03	1.10e-05
257	113	-2.69	0.68	0.04	0.0	-2.49e-03	8.96e-06
257	124	2.40	-0.87	-0.09	0.0	2.24e-03	-4.78e-05
257	146	-0.02	-0.04	-0.04	0.0	-8.83e-06	1.28e-05
257	151	-0.01	-0.03	-0.03	0.0	-7.28e-06	1.05e-05
257	156	-0.01	-0.03	-0.03	0.0	-6.89e-06	9.99e-06
258	4	-0.03	-0.06	-0.08	0.0	-1.61e-06	2.26e-05
258	16	3.37	-0.94	-0.13	0.0	2.19e-03	-9.77e-05
258	17	-3.40	0.87	0.04	0.0	-2.19e-03	1.22e-04
258	28	2.96	-1.08	-0.12	0.0	1.94e-03	-1.24e-04
258	48	2.92	-0.84	-0.12	0.0	1.89e-03	-8.67e-05
258	49	-2.95	0.77	0.02	0.0	-1.89e-03	1.11e-04
258	76	0.44	-0.95	-0.06	0.0	3.15e-04	3.59e-05
258	80	2.54	-0.74	-0.11	0.0	1.65e-03	-7.43e-05
258	81	-2.58	0.67	0.01	0.0	-1.65e-03	9.90e-05
258	108	0.37	-0.84	-0.06	0.0	2.69e-04	3.41e-05
258	112	4.18	-1.14	-0.15	0.0	2.72e-03	-1.22e-04
258	113	-4.21	1.07	0.06	0.0	-2.72e-03	1.47e-04
258	124	3.77	-1.34	-0.14	0.0	2.47e-03	-1.58e-04
258	146	-0.02	-0.05	-0.06	0.0	-1.12e-06	1.58e-05
258	151	-0.02	-0.04	-0.05	0.0	0.0	1.30e-05
258	156	-0.02	-0.04	-0.05	0.0	0.0	1.23e-05
259	4	-0.03	-0.06	-0.11	0.0	1.07e-05	2.23e-05
259	16	4.71	-1.27	-0.17	0.0	2.38e-03	-2.24e-04
259	17	-4.74	1.20	0.04	0.0	-2.37e-03	2.49e-04
259	28	4.16	-1.46	-0.16	0.0	2.12e-03	-2.48e-04
259	48	4.07	-1.14	-0.16	0.0	2.05e-03	-1.95e-04
259	49	-4.10	1.07	0.03	0.0	-2.04e-03	2.20e-04
259	76	0.64	-1.27	-0.08	0.0	3.61e-04	2.35e-05
259	80	3.55	-1.00	-0.15	0.0	1.79e-03	-1.69e-04
259	81	-3.58	0.93	0.02	0.0	-1.78e-03	1.93e-04
259	108	0.54	-1.13	-0.08	0.0	3.09e-04	2.37e-05
259	112	5.84	-1.55	-0.20	0.0	2.95e-03	-2.79e-04
259	113	-5.87	1.49	0.07	0.0	-2.94e-03	3.04e-04
259	124	5.29	-1.81	-0.19	0.0	2.69e-03	-3.18e-04
259	146	-0.02	-0.04	-0.08	0.0	7.48e-06	1.56e-05
259	151	-0.02	-0.04	-0.07	0.0	6.17e-06	1.28e-05
259	156	-0.01	-0.03	-0.06	0.0	5.84e-06	1.22e-05
260	4	-0.02	-0.04	-0.16	0.0	2.11e-05	1.54e-05
260	16	6.15	-1.60	-0.22	0.0	2.51e-03	-3.86e-04
260	17	-6.17	1.56	0.04	0.0	-2.49e-03	4.03e-04
260	28	5.44	-1.84	-0.21	0.0	2.24e-03	-4.07e-04
260	48	5.31	-1.43	-0.20	0.0	2.16e-03	-3.35e-04
260	49	-5.33	1.39	0.03	0.0	-2.14e-03	3.52e-04
260	60	4.41	-1.59	-0.19	0.0	1.81e-03	-3.28e-04
260	80	4.63	-1.25	-0.19	0.0	1.88e-03	-2.91e-04
260	81	-4.65	1.21	0.01	0.0	-1.86e-03	3.07e-04
260	108	0.74	-1.41	-0.11	0.0	3.39e-04	2.19e-06
260	112	7.63	-1.97	-0.26	0.0	3.12e-03	-4.79e-04
260	113	-7.65	1.92	0.08	0.0	-3.09e-03	4.96e-04
260	124	6.92	-2.29	-0.24	0.0	2.85e-03	-5.20e-04

260	146	-0.01	-0.03	-0.11	0.0	1.47e-05	1.08e-05
260	151	-9.43e-03	-0.02	-0.09	0.0	1.21e-05	8.89e-06
260	156	-8.93e-03	-0.02	-0.09	0.0	1.15e-05	8.43e-06
261	4	-2.92e-04	0.01	-0.25	-1.90e-04	7.63e-06	0.0
261	16	7.65	-1.92	-0.30	-3.81e-05	3.08e-03	-5.72e-04
261	17	-7.65	1.93	0.02	-1.69e-04	-3.08e-03	5.73e-04
261	29	-6.78	2.22	-1.28e-03	-1.75e-04	-2.76e-03	5.90e-04
261	48	6.60	-1.71	-0.28	-4.39e-05	2.63e-03	-4.95e-04
261	49	-6.60	1.72	-7.80e-03	-1.63e-04	-2.62e-03	4.96e-04
261	61	-5.49	1.91	-0.03	-1.66e-04	-2.21e-03	4.75e-04
261	80	5.75	-1.49	-0.26	-5.12e-05	2.29e-03	-4.31e-04
261	81	-5.75	1.51	-0.03	-1.56e-04	-2.28e-03	4.32e-04
261	109	-0.94	1.69	-0.12	-1.62e-04	-4.49e-04	2.99e-05
261	112	9.49	-2.36	-0.34	-2.35e-05	3.84e-03	-7.09e-04
261	113	-9.49	2.37	0.05	-1.83e-04	-3.83e-03	7.09e-04
261	125	-8.62	2.76	0.04	-1.92e-04	-3.52e-03	7.52e-04
261	146	-2.01e-04	7.98e-03	-0.18	-1.32e-04	5.28e-06	0.0
261	151	-1.56e-04	6.15e-03	-0.15	-1.09e-04	4.67e-06	0.0
261	154	-1.54e-04	6.16e-03	-0.15	-1.06e-04	4.15e-06	0.0
261	156	-1.47e-04	5.82e-03	-0.14	-1.03e-04	4.32e-06	0.0
262	4	-9.08e-03	-0.03	-0.02	0.0	-1.31e-05	8.06e-06
262	16	1.04	-0.29	-0.04	0.0	1.83e-03	-6.50e-05
262	22	-1.05	0.14	0.02	0.0	-1.84e-03	7.44e-05
262	28	0.90	-0.34	-0.04	0.0	1.59e-03	-6.78e-05
262	48	0.90	-0.26	-0.04	0.0	1.59e-03	-5.60e-05
262	54	-0.91	0.10	0.01	0.0	-1.60e-03	6.54e-05
262	76	0.12	-0.31	-0.02	0.0	2.24e-04	3.87e-06
262	80	0.79	-0.23	-0.03	0.0	1.38e-03	-4.83e-05
262	86	-0.80	0.08	7.87e-03	0.0	-1.40e-03	5.75e-05
262	108	0.10	-0.27	-0.02	0.0	1.89e-04	4.37e-06
262	112	1.29	-0.36	-0.05	0.0	2.27e-03	-8.14e-05
262	118	-1.30	0.18	0.02	0.0	-2.28e-03	9.09e-05
262	124	1.15	-0.42	-0.05	0.0	2.02e-03	-8.75e-05
262	146	-6.33e-03	-0.02	-0.02	0.0	-9.12e-06	5.64e-06
262	151	-5.22e-03	-0.02	-0.01	0.0	-7.52e-06	4.65e-06
262	156	-4.93e-03	-0.02	-0.01	0.0	-7.11e-06	4.41e-06
263	1	0.0	0.0	0.0	0.0	-7.25e-06	0.0
263	15	0.0	0.0	0.0	0.0	1.69e-03	-2.65e-06
263	47	0.0	0.0	0.0	0.0	1.45e-03	-2.14e-06
263	79	0.0	0.0	0.0	0.0	1.26e-03	-1.80e-06
263	111	0.0	0.0	0.0	0.0	2.11e-03	-3.44e-06
263	143	0.0	0.0	0.0	0.0	-5.28e-06	0.0
263	150	0.0	0.0	0.0	0.0	-5.28e-06	0.0
263	155	0.0	0.0	0.0	0.0	-5.28e-06	0.0
264	4	-0.02	-0.05	-0.04	0.0	-7.88e-06	1.43e-05
264	16	2.12	-0.61	-0.08	0.0	1.94e-03	-1.44e-04
264	22	-2.14	0.30	0.03	0.0	-1.95e-03	1.61e-04
264	28	1.84	-0.70	-0.08	0.0	1.69e-03	-1.50e-04
264	48	1.84	-0.55	-0.08	0.0	1.68e-03	-1.24e-04
264	54	-1.86	0.22	0.02	0.0	-1.69e-03	1.41e-04
264	76	0.26	-0.62	-0.04	0.0	2.51e-04	4.03e-06
264	80	1.61	-0.48	-0.07	0.0	1.47e-03	-1.07e-04
264	86	-1.63	0.19	0.02	0.0	-1.48e-03	1.24e-04
264	108	0.22	-0.56	-0.04	0.0	2.12e-04	5.40e-06
264	112	2.63	-0.74	-0.10	0.0	2.41e-03	-1.80e-04
264	118	-2.65	0.39	0.05	0.0	-2.42e-03	1.97e-04
264	124	2.35	-0.87	-0.10	0.0	2.15e-03	-1.93e-04
264	146	-0.01	-0.04	-0.03	0.0	-5.50e-06	9.98e-06
264	151	-9.17e-03	-0.03	-0.03	0.0	-4.53e-06	8.23e-06
264	156	-8.67e-03	-0.03	-0.02	0.0	-4.28e-06	7.81e-06
265	4	-0.02	-0.06	-0.06	0.0	0.0	1.75e-05
265	16	3.30	-0.94	-0.13	0.0	2.10e-03	-2.36e-04
265	22	-3.32	0.48	0.05	0.0	-2.11e-03	2.56e-04
265	28	2.87	-1.08	-0.12	0.0	1.85e-03	-2.44e-04
265	48	2.86	-0.84	-0.11	0.0	1.82e-03	-2.03e-04
265	54	-2.88	0.36	0.03	0.0	-1.82e-03	2.24e-04
265	76	0.42	-0.95	-0.07	0.0	2.88e-04	0.0
265	80	2.49	-0.74	-0.10	0.0	1.59e-03	-1.76e-04
265	86	-2.51	0.31	0.02	0.0	-1.59e-03	1.96e-04
265	108	0.35	-0.84	-0.06	0.0	2.45e-04	2.40e-06
265	112	4.09	-1.14	-0.15	0.0	2.61e-03	-2.94e-04
265	118	-4.11	0.62	0.07	0.0	-2.61e-03	3.15e-04
265	124	3.65	-1.33	-0.14	0.0	2.35e-03	-3.13e-04
265	146	-0.01	-0.04	-0.05	0.0	0.0	1.23e-05
265	151	-0.01	-0.04	-0.04	0.0	0.0	1.01e-05

265	156	-0.01	-0.04	-0.04	0.0	0.0	9.61e-06
266	4	-0.02	-0.06	-0.09	0.0	7.35e-06	1.66e-05
266	16	4.58	-1.27	-0.17	0.0	2.27e-03	-3.38e-04
266	22	-4.60	0.68	0.06	0.0	-2.26e-03	3.57e-04
266	28	4.00	-1.46	-0.16	0.0	2.00e-03	-3.50e-04
266	48	3.97	-1.14	-0.15	0.0	1.96e-03	-2.92e-04
266	49	-3.98	1.07	0.05	0.0	-1.95e-03	3.10e-04
266	76	0.60	-1.27	-0.09	0.0	3.27e-04	-8.57e-06
266	80	3.46	-1.00	-0.14	0.0	1.71e-03	-2.53e-04
266	81	-3.48	0.93	0.04	0.0	-1.70e-03	2.71e-04
266	108	0.50	-1.13	-0.08	0.0	2.79e-04	-4.46e-06
266	112	5.68	-1.55	-0.20	0.0	2.82e-03	-4.21e-04
266	118	-5.70	0.88	0.09	0.0	-2.81e-03	4.40e-04
266	124	5.08	-1.81	-0.19	0.0	2.54e-03	-4.48e-04
266	146	-0.01	-0.04	-0.06	0.0	5.12e-06	1.16e-05
266	151	-9.46e-03	-0.04	-0.05	0.0	4.23e-06	9.61e-06
266	156	-8.95e-03	-0.03	-0.05	0.0	4.00e-06	9.13e-06
267	4	-9.72e-03	-0.04	-0.12	0.0	1.32e-05	1.09e-05
267	16	5.95	-1.60	-0.22	0.0	2.39e-03	-4.53e-04
267	17	-5.96	1.56	0.07	0.0	-2.37e-03	4.65e-04
267	28	5.21	-1.84	-0.21	0.0	2.11e-03	-4.67e-04
267	48	5.15	-1.43	-0.20	0.0	2.06e-03	-3.91e-04
267	49	-5.16	1.39	0.05	0.0	-2.04e-03	4.03e-04
267	60	4.22	-1.59	-0.18	0.0	1.70e-03	-3.76e-04
267	80	4.49	-1.25	-0.18	0.0	1.79e-03	-3.40e-04
267	81	-4.50	1.21	0.04	0.0	-1.78e-03	3.52e-04
267	108	0.68	-1.41	-0.11	0.0	3.03e-04	-1.54e-05
267	112	7.38	-1.96	-0.25	0.0	2.96e-03	-5.62e-04
267	113	-7.39	1.92	0.11	0.0	-2.95e-03	5.74e-04
267	124	6.62	-2.29	-0.24	0.0	2.68e-03	-5.97e-04
267	146	-6.77e-03	-0.03	-0.09	0.0	9.19e-06	7.64e-06
267	151	-5.58e-03	-0.02	-0.07	0.0	7.58e-06	6.31e-06
267	156	-5.28e-03	-0.02	-0.07	0.0	7.17e-06	6.00e-06
268	4	-6.04e-05	0.01	-0.19	-1.53e-04	8.85e-06	0.0
268	11	-7.85e-05	0.01	-0.19	-1.41e-04	6.02e-06	0.0
268	16	7.37	-1.92	-0.28	5.00e-05	2.95e-03	-5.72e-04
268	17	-7.37	1.93	0.06	-2.17e-04	-2.94e-03	5.73e-04
268	29	-6.46	2.22	0.05	-2.17e-04	-2.61e-03	5.90e-04
268	48	6.37	-1.71	-0.26	3.30e-05	2.52e-03	-4.95e-04
268	49	-6.37	1.72	0.03	-2.00e-04	-2.51e-03	4.96e-04
268	61	-5.24	1.91	0.02	-1.95e-04	-2.09e-03	4.75e-04
268	80	5.55	-1.49	-0.24	1.81e-05	2.31e-03	-4.31e-04
268	81	-5.55	1.51	0.02	-1.85e-04	-2.18e-03	4.32e-04
268	109	-0.86	1.69	-0.07	-1.56e-04	-4.07e-04	3.00e-05
268	112	9.14	-2.36	-0.33	8.15e-05	3.67e-03	-7.09e-04
268	113	-9.14	2.38	0.10	-2.49e-04	-3.66e-03	7.09e-04
268	125	-8.22	2.76	0.09	-2.52e-04	-3.33e-03	7.52e-04
268	146	-4.02e-05	8.28e-03	-0.14	-1.07e-04	6.08e-06	0.0
268	149	-5.22e-05	8.12e-03	-0.13	-9.89e-05	4.19e-06	0.0
268	151	-2.20e-05	6.39e-03	-0.12	-8.81e-05	5.36e-06	0.0
268	154	-2.71e-05	6.39e-03	-0.12	-8.58e-05	4.69e-06	0.0
268	156	-2.10e-05	6.05e-03	-0.11	-8.36e-05	4.93e-06	0.0
269	4	-5.59e-03	-0.03	-0.02	0.0	-7.91e-06	5.59e-06
269	16	0.93	-0.29	-0.05	0.0	1.64e-03	-1.64e-04
269	22	-0.99	0.14	0.03	0.0	-1.74e-03	1.62e-04
269	28	0.84	-0.34	-0.05	0.0	1.49e-03	-1.67e-04
269	48	0.79	-0.26	-0.05	0.0	1.40e-03	-1.41e-04
269	54	-0.86	0.10	0.02	0.0	-1.52e-03	1.37e-04
269	76	0.11	-0.31	-0.03	0.0	1.99e-04	-5.30e-05
269	80	0.69	-0.23	-0.04	0.0	1.22e-03	-1.22e-04
269	86	-0.75	0.08	0.02	0.0	-1.33e-03	1.20e-04
269	108	0.09	-0.27	-0.02	0.0	1.67e-04	-4.59e-05
269	112	1.15	-0.36	-0.06	0.0	2.04e-03	-2.05e-04
269	118	-1.22	0.18	0.04	0.0	-2.16e-03	2.01e-04
269	124	1.07	-0.42	-0.06	0.0	1.89e-03	-2.12e-04
269	146	-3.88e-03	-0.02	-0.01	0.0	-5.49e-06	3.91e-06
269	151	-3.20e-03	-0.02	-0.01	0.0	-4.53e-06	3.20e-06
269	156	-3.02e-03	-0.02	-0.01	0.0	-4.27e-06	3.04e-06
270	1	0.0	0.0	0.0	0.0	-4.30e-06	0.0
270	15	0.0	0.0	0.0	0.0	1.69e-03	-7.75e-06
270	47	0.0	0.0	0.0	0.0	1.47e-03	-6.51e-06
270	79	0.0	0.0	0.0	0.0	1.28e-03	-5.62e-06
270	111	0.0	0.0	0.0	0.0	2.10e-03	-9.74e-06
270	143	0.0	0.0	0.0	0.0	-3.12e-06	0.0
270	150	0.0	0.0	0.0	0.0	-3.12e-06	0.0

270	155	0.0	0.0	0.0	0.0	-3.12e-06	0.0
271	4	-9.65e-03	-0.05	-0.03	0.0	-4.47e-06	1.03e-05
271	16	1.90	-0.61	-0.10	0.0	1.76e-03	-2.91e-04
271	22	-2.03	0.30	0.06	0.0	-1.86e-03	3.03e-04
271	28	1.73	-0.70	-0.10	0.0	1.60e-03	-2.84e-04
271	48	1.63	-0.55	-0.09	0.0	1.50e-03	-2.49e-04
271	54	-1.76	0.22	0.05	0.0	-1.62e-03	2.61e-04
271	76	0.23	-0.62	-0.05	0.0	2.25e-04	-3.46e-05
271	80	1.42	-0.48	-0.08	0.0	1.31e-03	-2.16e-04
271	86	-1.54	0.19	0.04	0.0	-1.41e-03	2.28e-04
271	108	0.19	-0.56	-0.05	0.0	1.90e-04	-2.84e-05
271	112	2.37	-0.74	-0.13	0.0	2.19e-03	-3.63e-04
271	118	-2.51	0.39	0.08	0.0	-2.31e-03	3.75e-04
271	124	2.19	-0.87	-0.12	0.0	2.03e-03	-3.63e-04
271	146	-6.71e-03	-0.04	-0.02	0.0	-3.10e-06	7.20e-06
271	151	-5.53e-03	-0.03	-0.02	0.0	-2.55e-06	5.93e-06
271	156	-5.21e-03	-0.03	-0.02	0.0	-2.40e-06	5.64e-06
272	4	-0.01	-0.06	-0.05	0.0	0.0	1.27e-05
272	16	2.97	-0.94	-0.16	0.0	2.03e-03	-3.80e-04
272	22	-3.16	0.48	0.09	0.0	-1.93e-03	3.95e-04
272	28	2.70	-1.08	-0.15	0.0	1.86e-03	-3.76e-04
272	48	2.54	-0.84	-0.14	0.0	1.76e-03	-3.26e-04
272	54	-2.74	0.36	0.07	0.0	-1.65e-03	3.41e-04
272	76	0.37	-0.94	-0.08	0.0	6.28e-04	-4.00e-05
272	80	2.21	-0.74	-0.12	0.0	1.53e-03	-2.83e-04
272	86	-2.39	0.31	0.06	0.0	-1.43e-03	2.97e-04
272	108	0.31	-0.84	-0.07	0.0	5.51e-04	-3.25e-05
272	112	3.70	-1.14	-0.19	0.0	2.52e-03	-4.73e-04
272	118	-3.91	0.62	0.11	0.0	-2.40e-03	4.88e-04
272	124	3.43	-1.33	-0.18	0.0	2.35e-03	-4.81e-04
272	146	-7.66e-03	-0.04	-0.03	0.0	0.0	8.89e-06
272	151	-6.31e-03	-0.04	-0.03	0.0	0.0	7.34e-06
272	156	-5.94e-03	-0.04	-0.03	0.0	0.0	6.98e-06
273	4	-9.39e-03	-0.06	-0.07	0.0	4.66e-06	1.17e-05
273	16	4.15	-1.27	-0.21	0.0	2.20e-03	-4.55e-04
273	22	-4.39	0.68	0.11	0.0	-2.09e-03	4.69e-04
273	28	3.78	-1.46	-0.20	0.0	2.02e-03	-4.57e-04
273	48	3.55	-1.13	-0.18	0.0	1.90e-03	-3.91e-04
273	54	-3.81	0.52	0.09	0.0	-1.78e-03	4.05e-04
273	76	0.53	-1.27	-0.10	0.0	6.69e-04	-4.22e-05
273	80	3.09	-1.00	-0.16	0.0	1.66e-03	-3.39e-04
273	86	-3.33	0.44	0.07	0.0	-1.55e-03	3.53e-04
273	108	0.45	-1.13	-0.09	0.0	5.87e-04	-3.40e-05
273	112	5.16	-1.55	-0.25	0.0	2.73e-03	-5.66e-04
273	118	-5.44	0.88	0.15	0.0	-2.60e-03	5.80e-04
273	124	4.80	-1.81	-0.24	0.0	2.55e-03	-5.84e-04
273	146	-6.52e-03	-0.04	-0.05	0.0	3.24e-06	8.20e-06
273	151	-5.36e-03	-0.04	-0.04	0.0	2.68e-06	6.79e-06
273	156	-5.04e-03	-0.03	-0.04	0.0	2.52e-06	6.47e-06
274	4	-5.31e-03	-0.04	-0.09	0.0	7.73e-06	7.40e-06
274	16	5.42	-1.60	-0.26	0.0	2.32e-03	-5.21e-04
274	22	-5.72	0.90	0.13	0.0	-2.21e-03	5.30e-04
274	28	4.94	-1.84	-0.25	0.0	2.13e-03	-5.30e-04
274	48	4.63	-1.43	-0.23	0.0	2.00e-03	-4.49e-04
274	54	-4.95	0.70	0.10	0.0	-1.88e-03	4.58e-04
274	60	4.01	-1.59	-0.21	0.0	1.75e-03	-4.25e-04
274	80	4.03	-1.25	-0.21	0.0	1.74e-03	-3.91e-04
274	86	-4.32	0.59	0.08	0.0	-1.63e-03	4.00e-04
274	108	0.61	-1.41	-0.12	0.0	6.12e-04	-3.34e-05
274	112	6.74	-1.96	-0.31	0.0	2.88e-03	-6.47e-04
274	118	-7.09	1.15	0.18	0.0	-2.75e-03	6.56e-04
274	124	6.28	-2.28	-0.30	0.0	2.70e-03	-6.77e-04
274	146	-3.68e-03	-0.03	-0.07	0.0	5.37e-06	5.21e-06
274	151	-3.02e-03	-0.02	-0.06	0.0	4.42e-06	4.33e-06
274	156	-2.84e-03	-0.02	-0.06	0.0	4.16e-06	4.13e-06
275	3	1.60e-04	0.01	-0.14	-1.29e-04	1.26e-05	0.0
275	4	1.42e-04	0.01	-0.15	-1.37e-04	1.15e-05	0.0
275	15	7.09	-1.16	-0.31	1.15e-04	2.68e-03	-5.10e-04
275	16	6.74	-1.92	-0.33	1.51e-04	2.77e-03	-5.73e-04
275	29	-6.14	2.22	0.14	-2.94e-04	-2.52e-03	5.91e-04
275	47	6.14	-0.91	-0.27	8.33e-05	2.26e-03	-4.27e-04
275	48	5.75	-1.71	-0.29	1.21e-04	2.37e-03	-4.96e-04
275	61	-4.99	1.91	0.10	-2.55e-04	-2.04e-03	4.76e-04
275	79	5.35	-0.78	-0.25	6.22e-05	1.97e-03	-3.70e-04
275	80	5.01	-1.49	-0.27	9.55e-05	2.06e-03	-4.32e-04

275	109	-0.78	1.69	-9.38e-03	-1.73e-04	-6.68e-04	3.03e-05
275	111	8.80	-1.48	-0.36	1.63e-04	3.34e-03	-6.39e-04
275	112	8.39	-2.36	-0.39	2.05e-04	3.45e-03	-7.10e-04
275	125	-7.81	2.76	0.20	-3.53e-04	-3.21e-03	7.53e-04
275	145	1.11e-04	7.54e-03	-0.10	-9.07e-05	8.64e-06	0.0
275	146	9.89e-05	8.40e-03	-0.10	-9.58e-05	7.90e-06	0.0
275	151	9.02e-05	6.49e-03	-0.09	-7.88e-05	6.92e-06	0.0
275	156	8.34e-05	6.14e-03	-0.09	-7.48e-05	6.34e-06	0.0
276	4	-3.38e-03	-0.03	-0.02	0.0	-4.39e-06	3.43e-06
276	16	0.81	-0.29	-0.07	0.0	1.48e-03	-2.64e-04
276	22	-0.87	0.13	0.05	0.0	-1.58e-03	2.58e-04
276	28	0.73	-0.34	-0.07	0.0	1.32e-03	-2.57e-04
276	48	0.70	-0.26	-0.07	0.0	1.27e-03	-2.26e-04
276	54	-0.76	0.10	0.04	0.0	-1.38e-03	2.19e-04
276	76	0.08	-0.31	-0.04	0.0	1.59e-04	-7.59e-05
276	80	0.61	-0.23	-0.06	0.0	1.10e-03	-1.97e-04
276	86	-0.67	0.08	0.03	0.0	-1.20e-03	1.91e-04
276	108	0.07	-0.27	-0.03	0.0	1.34e-04	-6.60e-05
276	112	1.01	-0.35	-0.09	0.0	1.84e-03	-3.29e-04
276	118	-1.08	0.18	0.06	0.0	-1.95e-03	3.21e-04
276	124	0.93	-0.42	-0.09	0.0	1.68e-03	-3.27e-04
276	146	-2.34e-03	-0.02	-0.01	0.0	-3.03e-06	2.39e-06
276	151	-1.95e-03	-0.02	-0.01	0.0	-2.50e-06	1.93e-06
276	156	-1.82e-03	-0.02	-0.01	0.0	-2.34e-06	1.83e-06
277	1	0.0	0.0	0.0	0.0	-2.43e-06	0.0
277	15	0.0	0.0	0.0	0.0	1.50e-03	-1.22e-05
277	47	0.0	0.0	0.0	0.0	1.31e-03	-1.03e-05
277	79	0.0	0.0	0.0	0.0	1.14e-03	-8.97e-06
277	111	0.0	0.0	0.0	0.0	1.86e-03	-1.53e-05
277	143	0.0	0.0	0.0	0.0	-1.76e-06	0.0
277	150	0.0	0.0	0.0	0.0	-1.76e-06	0.0
277	155	0.0	0.0	0.0	0.0	-1.76e-06	0.0
278	4	-5.43e-03	-0.05	-0.03	0.0	-2.02e-06	7.29e-06
278	16	1.71	-0.61	-0.15	0.0	1.65e-03	-4.10e-04
278	22	-1.83	0.30	0.10	0.0	-1.65e-03	4.01e-04
278	28	1.54	-0.70	-0.14	0.0	1.59e-03	-4.08e-04
278	48	1.47	-0.54	-0.13	0.0	1.41e-03	-3.50e-04
278	54	-1.60	0.22	0.08	0.0	-1.42e-03	3.40e-04
278	76	0.18	-0.62	-0.07	0.0	5.66e-04	-1.23e-04
278	80	1.28	-0.48	-0.12	0.0	1.23e-03	-3.04e-04
278	86	-1.40	0.19	0.07	0.0	-1.23e-03	2.96e-04
278	108	0.15	-0.56	-0.06	0.0	4.98e-04	-1.07e-04
278	112	2.13	-0.74	-0.18	0.0	2.05e-03	-5.10e-04
278	118	-2.27	0.39	0.13	0.0	-2.05e-03	4.99e-04
278	124	1.95	-0.87	-0.18	0.0	2.01e-03	-5.19e-04
278	146	-3.75e-03	-0.04	-0.02	0.0	-1.38e-06	5.11e-06
278	151	-3.10e-03	-0.03	-0.02	0.0	-1.11e-06	4.19e-06
278	156	-2.89e-03	-0.03	-0.02	0.0	-1.03e-06	3.99e-06
279	4	-5.78e-03	-0.06	-0.04	0.0	0.0	9.30e-06
279	16	2.74	-0.93	-0.22	0.0	1.86e-03	-4.88e-04
279	22	-2.92	0.48	0.16	0.0	-1.86e-03	4.99e-04
279	28	2.46	-1.08	-0.21	0.0	1.79e-03	-4.76e-04
279	48	2.35	-0.84	-0.20	0.0	1.59e-03	-4.18e-04
279	54	-2.54	0.36	0.13	0.0	-1.59e-03	4.29e-04
279	76	0.31	-0.94	-0.10	0.0	6.21e-04	-6.98e-05
279	80	2.04	-0.74	-0.17	0.0	1.38e-03	-3.63e-04
279	86	-2.22	0.31	0.11	0.0	-1.38e-03	3.74e-04
279	108	0.26	-0.84	-0.09	0.0	5.45e-04	-5.86e-05
279	112	3.41	-1.14	-0.27	0.0	2.32e-03	-6.08e-04
279	118	-3.61	0.62	0.20	0.0	-2.32e-03	6.19e-04
279	124	3.13	-1.33	-0.27	0.0	2.26e-03	-6.08e-04
279	146	-3.97e-03	-0.04	-0.03	0.0	0.0	6.54e-06
279	151	-3.26e-03	-0.04	-0.02	0.0	0.0	5.40e-06
279	156	-3.04e-03	-0.04	-0.02	0.0	0.0	5.16e-06
280	4	-4.64e-03	-0.06	-0.05	0.0	2.77e-06	8.42e-06
280	16	3.89	-1.27	-0.30	0.0	2.16e-03	-5.43e-04
280	21	-4.13	1.23	0.24	0.0	-2.16e-03	5.18e-04
280	28	3.74	-1.46	-0.29	0.0	1.97e-03	-5.38e-04
280	48	3.33	-1.13	-0.26	0.0	1.87e-03	-4.65e-04
280	53	-3.59	1.09	0.20	0.0	-1.87e-03	4.38e-04
280	76	1.33	-1.27	-0.14	0.0	6.69e-04	-6.77e-05
280	80	2.90	-1.00	-0.23	0.0	1.63e-03	-4.04e-04
280	85	-3.13	0.95	0.17	0.0	-1.63e-03	3.81e-04
280	108	1.17	-1.13	-0.12	0.0	5.87e-04	-5.65e-05
280	112	4.84	-1.55	-0.36	0.0	2.69e-03	-6.75e-04

280	117	-5.12	1.52	0.30	0.0	-2.68e-03	6.46e-04
280	124	4.73	-1.81	-0.35	0.0	2.49e-03	-6.87e-04
280	146	-3.17e-03	-0.04	-0.04	0.0	1.92e-06	5.94e-06
280	151	-2.58e-03	-0.04	-0.03	0.0	1.61e-06	4.93e-06
280	156	-2.39e-03	-0.03	-0.03	0.0	1.51e-06	4.73e-06
281	3	-2.40e-03	-0.04	-0.06	0.0	4.21e-06	4.78e-06
281	4	-2.40e-03	-0.04	-0.07	0.0	4.21e-06	5.16e-06
281	16	5.14	-1.60	-0.37	0.0	2.30e-03	-5.81e-04
281	21	-5.44	1.59	0.29	0.0	-2.30e-03	5.40e-04
281	28	4.94	-1.84	-0.36	0.0	2.09e-03	-5.85e-04
281	48	4.39	-1.43	-0.33	0.0	1.99e-03	-5.00e-04
281	53	-4.72	1.42	0.25	0.0	-1.98e-03	4.54e-04
281	60	4.10	-1.59	-0.30	0.0	1.72e-03	-4.68e-04
281	80	3.82	-1.25	-0.29	0.0	1.73e-03	-4.34e-04
281	85	-4.12	1.24	0.21	0.0	-1.72e-03	3.95e-04
281	108	1.52	-1.41	-0.15	0.0	6.15e-04	-4.92e-05
281	112	6.39	-1.96	-0.46	0.0	2.86e-03	-7.21e-04
281	117	-6.75	1.96	0.37	0.0	-2.85e-03	6.75e-04
281	124	6.24	-2.28	-0.44	0.0	2.65e-03	-7.46e-04
281	145	-1.63e-03	-0.03	-0.05	0.0	2.89e-06	3.42e-06
281	146	-1.62e-03	-0.03	-0.05	0.0	2.89e-06	3.67e-06
281	151	-1.30e-03	-0.02	-0.04	0.0	2.38e-06	3.09e-06
281	156	-1.19e-03	-0.02	-0.04	0.0	2.21e-06	2.98e-06
282	3	4.64e-04	0.01	-0.09	-1.27e-04	1.56e-05	0.0
282	4	4.45e-04	0.01	-0.09	-1.35e-04	1.43e-05	0.0
282	15	6.82	-1.16	-0.42	2.03e-04	2.50e-03	-5.13e-04
282	16	6.45	-1.92	-0.46	2.49e-04	2.61e-03	-5.76e-04
282	29	-6.20	2.22	0.32	-3.85e-04	-2.36e-03	5.94e-04
282	47	5.91	-0.91	-0.36	1.57e-04	2.12e-03	-4.29e-04
282	48	5.51	-1.71	-0.40	2.05e-04	2.23e-03	-4.98e-04
282	61	-5.13	1.91	0.25	-3.29e-04	-1.91e-03	4.78e-04
282	79	5.15	-0.78	-0.32	1.26e-04	1.84e-03	-3.72e-04
282	80	4.79	-1.49	-0.36	1.69e-04	1.94e-03	-4.34e-04
282	109	-1.88	1.69	0.08	-2.05e-04	-6.38e-04	3.09e-05
282	111	8.46	-1.48	-0.51	2.73e-04	3.12e-03	-6.43e-04
282	112	8.03	-2.36	-0.55	3.26e-04	3.24e-03	-7.14e-04
282	125	-7.83	2.76	0.42	-4.68e-04	-3.00e-03	7.56e-04
282	145	3.26e-04	7.60e-03	-0.06	-8.94e-05	1.06e-05	0.0
282	146	3.14e-04	8.46e-03	-0.07	-9.45e-05	9.79e-06	0.0
282	151	2.79e-04	6.53e-03	-0.06	-7.78e-05	8.53e-06	0.0
282	156	2.63e-04	6.18e-03	-0.06	-7.40e-05	7.82e-06	0.0
283	3	-2.65e-03	-0.03	-0.01	3.76e-05	0.0	-3.33e-05
283	4	-2.61e-03	-0.03	-0.01	3.94e-05	0.0	-3.51e-05
283	11	-2.14e-03	-0.03	-0.01	3.60e-05	0.0	-3.22e-05
283	16	0.64	-0.29	-0.19	5.15e-04	0.0	-4.02e-05
283	22	-0.70	0.13	0.15	-2.54e-04	0.0	2.95e-05
283	28	0.57	-0.34	-0.18	5.95e-04	0.0	-5.64e-05
283	48	0.56	-0.26	-0.16	4.62e-04	0.0	-3.41e-05
283	54	-0.62	0.10	0.12	-1.91e-04	0.0	2.50e-05
283	76	0.05	-0.31	-0.08	5.32e-04	0.0	1.38e-05
283	80	0.49	-0.23	-0.14	4.07e-04	0.0	-3.17e-05
283	86	-0.54	0.08	0.11	-1.60e-04	0.0	1.96e-05
283	108	0.04	-0.27	-0.07	4.74e-04	0.0	1.07e-05
283	112	0.80	-0.35	-0.23	6.27e-04	0.0	-4.66e-05
283	118	-0.86	0.18	0.19	-3.30e-04	0.0	4.03e-05
283	124	0.72	-0.42	-0.22	7.35e-04	0.0	-6.72e-05
283	145	-1.84e-03	-0.02	-8.37e-03	2.64e-05	0.0	-2.33e-05
283	146	-1.82e-03	-0.02	-8.70e-03	2.76e-05	0.0	-2.45e-05
283	149	-1.50e-03	-0.02	-8.75e-03	2.53e-05	0.0	-2.26e-05
283	151	-1.55e-03	-0.02	-8.10e-03	2.28e-05	0.0	-2.02e-05
283	154	-1.45e-03	-0.02	-8.14e-03	2.22e-05	0.0	-1.96e-05
283	156	-1.46e-03	-0.02	-8.01e-03	2.17e-05	0.0	-1.91e-05
284	3	-2.84e-03	-0.05	-0.02	2.35e-05	0.0	-5.66e-05
284	4	-2.68e-03	-0.05	-0.02	2.45e-05	0.0	-5.97e-05
284	11	-1.94e-03	-0.05	-0.02	2.23e-05	0.0	-5.48e-05
284	16	1.47	-0.61	-0.34	5.44e-04	0.0	-1.16e-04
284	22	-1.59	0.30	0.28	-2.91e-04	0.0	9.70e-05
284	28	1.30	-0.70	-0.32	6.23e-04	0.0	-1.47e-04
284	48	1.27	-0.54	-0.29	4.86e-04	0.0	-9.87e-05
284	54	-1.39	0.22	0.23	-2.23e-04	0.0	8.25e-05
284	76	0.13	-0.62	-0.14	5.44e-04	0.0	9.56e-06
284	80	1.11	-0.48	-0.26	4.27e-04	0.0	-8.94e-05
284	86	-1.22	0.19	0.20	-1.89e-04	0.0	6.80e-05
284	108	0.11	-0.56	-0.13	4.84e-04	0.0	6.06e-06
284	112	1.83	-0.74	-0.42	6.64e-04	0.0	-1.39e-04

284	118	-1.96	0.39	0.35	-3.75e-04	0.0	1.27e-04
284	124	1.65	-0.87	-0.40	7.73e-04	0.0	-1.79e-04
284	145	-1.92e-03	-0.04	-0.01	1.65e-05	0.0	-3.97e-05
284	146	-1.82e-03	-0.04	-0.01	1.72e-05	0.0	-4.17e-05
284	149	-1.32e-03	-0.03	-0.01	1.57e-05	0.0	-3.84e-05
284	151	-1.53e-03	-0.03	-0.01	1.43e-05	0.0	-3.44e-05
284	154	-1.35e-03	-0.03	-0.01	1.39e-05	0.0	-3.34e-05
284	156	-1.39e-03	-0.03	-0.01	1.36e-05	0.0	-3.26e-05
285	3	-2.25e-03	-0.06	-0.02	3.62e-06	0.0	-7.00e-05
285	4	-2.00e-03	-0.06	-0.02	3.61e-06	0.0	-7.38e-05
285	11	-1.14e-03	-0.06	-0.02	3.12e-06	0.0	-6.77e-05
285	16	2.46	-0.93	-0.46	5.59e-04	0.0	-2.08e-04
285	22	-2.64	0.48	0.39	-3.24e-04	0.0	1.81e-04
285	28	2.18	-1.08	-0.44	6.38e-04	0.0	-2.53e-04
285	48	2.12	-0.84	-0.40	4.97e-04	0.0	-1.76e-04
285	54	-2.31	0.36	0.32	-2.52e-04	0.0	1.54e-04
285	76	0.24	-0.94	-0.19	5.48e-04	0.0	-9.82e-06
285	80	1.84	-0.74	-0.35	4.35e-04	0.0	-1.58e-04
285	86	-2.02	0.31	0.28	-2.16e-04	0.0	1.29e-04
285	108	0.20	-0.84	-0.17	4.86e-04	0.0	-1.14e-05
285	112	3.06	-1.14	-0.57	6.86e-04	0.0	-2.51e-04
285	118	-3.27	0.62	0.49	-4.13e-04	0.0	2.33e-04
285	124	2.77	-1.33	-0.55	7.95e-04	0.0	-3.12e-04
285	145	-1.47e-03	-0.04	-0.01	2.56e-06	0.0	-4.90e-05
285	146	-1.31e-03	-0.04	-0.01	2.56e-06	0.0	-5.16e-05
285	149	-7.32e-04	-0.04	-0.02	2.23e-06	0.0	-4.76e-05
285	151	-1.06e-03	-0.04	-0.01	2.24e-06	0.0	-4.25e-05
285	154	-8.57e-04	-0.04	-0.01	2.13e-06	0.0	-4.14e-05
285	156	-9.22e-04	-0.03	-0.01	2.13e-06	0.0	-4.03e-05
286	3	-1.55e-03	-0.06	-0.02	-2.19e-05	0.0	-7.11e-05
286	4	-1.28e-03	-0.06	-0.02	-2.32e-05	0.0	-7.49e-05
286	9	8.22e-04	-0.04	-0.02	-1.44e-05	0.0	-4.57e-05
286	16	3.59	-1.27	-0.57	5.62e-04	0.0	-3.08e-04
286	21	-3.83	1.23	0.53	-5.98e-04	0.0	2.32e-04
286	28	3.44	-1.46	-0.54	6.41e-04	0.0	-3.68e-04
286	48	3.07	-1.13	-0.49	4.98e-04	0.0	-2.62e-04
286	53	-3.34	1.09	0.46	-5.34e-04	0.0	1.85e-04
286	76	1.27	-1.27	-0.24	5.43e-04	0.0	-3.70e-05
286	80	2.68	-1.00	-0.43	4.34e-04	0.0	-2.32e-04
286	85	-2.92	0.95	0.40	-4.69e-04	0.0	1.55e-04
286	108	1.12	-1.13	-0.21	4.80e-04	0.0	-3.52e-05
286	112	4.46	-1.55	-0.70	6.93e-04	0.0	-3.77e-04
286	117	-4.75	1.52	0.67	-7.32e-04	0.0	3.01e-04
286	124	4.34	-1.81	-0.68	8.03e-04	0.0	-4.58e-04
286	145	-9.65e-04	-0.04	-0.02	-1.53e-05	0.0	-4.98e-05
286	146	-7.87e-04	-0.04	-0.02	-1.62e-05	0.0	-5.24e-05
286	147	6.18e-04	-0.03	-0.02	-1.03e-05	0.0	-3.29e-05
286	151	-5.97e-04	-0.03	-0.02	-1.32e-05	0.0	-4.32e-05
286	152	3.33e-04	-0.02	-0.02	-8.83e-06	0.0	-2.88e-05
286	155	2.62e-04	-0.02	-0.02	-8.46e-06	0.0	-2.78e-05
286	156	-4.74e-04	-0.03	-0.02	-1.26e-05	0.0	-4.10e-05
287	4	-4.44e-04	-0.04	-0.02	-5.27e-05	0.0	-5.60e-05
287	9	1.02e-03	-0.02	-0.03	-3.22e-05	0.0	-3.40e-05
287	16	4.83	-1.60	-0.65	5.57e-04	0.0	-4.10e-04
287	20	5.14	-1.63	-0.65	5.69e-04	0.0	-4.13e-04
287	28	4.63	-1.84	-0.62	6.36e-04	0.0	-4.81e-04
287	48	4.13	-1.43	-0.57	4.91e-04	0.0	-3.46e-04
287	52	4.47	-1.46	-0.56	5.02e-04	0.0	-3.50e-04
287	60	3.86	-1.59	-0.51	5.42e-04	0.0	-3.93e-04
287	80	3.59	-1.25	-0.49	4.26e-04	0.0	-3.04e-04
287	84	3.90	-1.28	-0.49	4.36e-04	0.0	-3.07e-04
287	108	1.47	-1.41	-0.24	4.68e-04	0.0	-4.85e-05
287	112	6.01	-1.96	-0.81	6.91e-04	0.0	-5.06e-04
287	116	6.37	-2.00	-0.81	7.05e-04	0.0	-5.10e-04
287	124	5.84	-2.28	-0.78	8.01e-04	0.0	-6.05e-04
287	146	-2.05e-04	-0.03	-0.02	-3.68e-05	0.0	-3.91e-05
287	147	7.72e-04	-0.02	-0.02	-2.31e-05	0.0	-2.45e-05
287	151	-8.29e-05	-0.02	-0.02	-3.02e-05	0.0	-3.22e-05
287	152	5.62e-04	-0.01	-0.02	-2.01e-05	0.0	-2.14e-05
287	155	5.09e-04	-0.01	-0.02	-1.93e-05	0.0	-2.06e-05
287	156	1.66e-06	-0.02	-0.02	-2.86e-05	0.0	-3.06e-05
288	3	9.03e-04	0.01	-0.03	-1.34e-04	1.56e-05	0.0
288	4	8.83e-04	0.01	-0.03	-1.41e-04	1.43e-05	0.0
288	9	5.88e-04	8.21e-03	-0.03	-8.73e-05	2.43e-06	0.0
288	15	6.55	-1.16	-0.64	2.40e-04	2.50e-03	-5.11e-04

288	16	6.16	-1.92	-0.72	2.93e-04	2.61e-03	-5.74e-04
288	29	-5.89	2.22	0.65	-4.34e-04	-2.36e-03	5.92e-04
288	47	5.68	-0.91	-0.54	1.88e-04	2.12e-03	-4.27e-04
288	48	5.26	-1.71	-0.62	2.42e-04	2.23e-03	-4.97e-04
288	61	-4.90	1.91	0.52	-3.70e-04	-1.91e-03	4.76e-04
288	79	4.95	-0.79	-0.47	1.52e-04	1.84e-03	-3.71e-04
288	80	4.57	-1.49	-0.55	2.01e-04	1.94e-03	-4.32e-04
288	109	-1.85	1.69	0.22	-2.27e-04	-6.38e-04	3.08e-05
288	111	8.11	-1.48	-0.80	3.21e-04	3.12e-03	-6.40e-04
288	112	7.66	-2.36	-0.89	3.82e-04	3.24e-03	-7.11e-04
288	125	-7.45	2.76	0.82	-5.29e-04	-3.00e-03	7.53e-04
288	145	6.58e-04	7.63e-03	-0.02	-9.38e-05	1.06e-05	0.0
288	146	6.45e-04	8.50e-03	-0.02	-9.89e-05	9.79e-06	0.0
288	147	4.49e-04	5.76e-03	-0.02	-6.28e-05	1.88e-06	0.0
288	151	6.03e-04	6.55e-03	-0.02	-8.15e-05	8.53e-06	0.0
288	152	4.70e-04	4.37e-03	-0.02	-5.46e-05	3.25e-06	0.0
288	155	4.75e-04	4.03e-03	-0.02	-5.26e-05	3.59e-06	0.0
288	156	5.85e-04	6.19e-03	-0.02	-7.73e-05	7.82e-06	0.0
289	3	-2.66e-03	-0.02	-3.99e-03	2.22e-05	0.0	-3.25e-05
289	4	-2.62e-03	-0.02	-4.17e-03	2.32e-05	0.0	-3.43e-05
289	9	-1.13e-03	-9.87e-03	-5.32e-03	1.38e-05	0.0	-2.08e-05
289	22	-0.70	0.12	1.24e-03	-2.26e-04	0.0	3.23e-05
289	28	0.57	-0.32	-0.02	5.50e-04	0.0	-5.87e-05
289	44	0.08	-0.31	-0.02	5.34e-04	0.0	7.59e-06
289	54	-0.62	0.09	2.63e-04	-1.68e-04	0.0	2.75e-05
289	76	0.05	-0.31	-0.02	5.27e-04	0.0	1.28e-05
289	86	-0.54	0.08	-2.47e-04	-1.41e-04	0.0	2.18e-05
289	108	0.04	-0.27	-0.02	4.70e-04	0.0	9.88e-06
289	118	-0.86	0.16	2.57e-03	-2.94e-04	0.0	4.38e-05
289	124	0.72	-0.39	-0.02	6.80e-04	0.0	-7.03e-05
289	140	0.11	-0.37	-0.03	6.32e-04	0.0	1.02e-05
289	145	-1.85e-03	-0.01	-3.18e-03	1.56e-05	0.0	-2.28e-05
289	146	-1.83e-03	-0.01	-3.30e-03	1.62e-05	0.0	-2.40e-05
289	147	-8.30e-04	-7.13e-03	-4.07e-03	9.98e-06	0.0	-1.49e-05
289	151	-1.56e-03	-9.59e-03	-3.38e-03	1.35e-05	0.0	-1.97e-05
289	152	-8.70e-04	-6.34e-03	-3.88e-03	8.92e-06	0.0	-1.31e-05
289	155	-8.81e-04	-6.15e-03	-3.83e-03	8.66e-06	0.0	-1.26e-05
289	156	-1.46e-03	-9.10e-03	-3.44e-03	1.28e-05	0.0	-1.87e-05
290	1	0.0	0.0	0.0	1.36e-05	0.0	-1.70e-06
290	15	0.0	0.0	0.0	2.55e-04	0.0	-4.41e-06
290	47	0.0	0.0	0.0	1.98e-04	0.0	-4.17e-06
290	79	0.0	0.0	0.0	1.71e-04	0.0	-3.89e-06
290	111	0.0	0.0	0.0	3.23e-04	0.0	-4.98e-06
290	143	0.0	0.0	0.0	9.95e-06	0.0	-1.24e-06
290	150	0.0	0.0	0.0	9.95e-06	0.0	-1.24e-06
290	155	0.0	0.0	0.0	9.95e-06	0.0	-1.24e-06
291	3	-2.86e-03	-0.03	-6.74e-03	1.32e-05	0.0	-5.61e-05
291	4	-2.71e-03	-0.03	-7.08e-03	1.37e-05	0.0	-5.92e-05
291	9	-5.60e-04	-0.02	-9.53e-03	8.11e-06	0.0	-3.60e-05
291	22	-1.59	0.26	6.74e-03	-2.48e-04	0.0	9.76e-05
291	28	1.30	-0.64	-0.04	5.62e-04	0.0	-1.47e-04
291	44	0.21	-0.62	-0.05	5.36e-04	0.0	-2.62e-06
291	54	-1.39	0.19	3.85e-03	-1.87e-04	0.0	8.29e-05
291	76	0.13	-0.62	-0.05	5.28e-04	0.0	9.37e-06
291	86	-1.22	0.16	2.45e-03	-1.59e-04	0.0	6.85e-05
291	108	0.11	-0.55	-0.04	4.70e-04	0.0	5.92e-06
291	118	-1.96	0.34	0.01	-3.20e-04	0.0	1.28e-04
291	124	1.65	-0.79	-0.05	6.98e-04	0.0	-1.80e-04
291	140	0.29	-0.74	-0.05	6.36e-04	0.0	-2.30e-06
291	145	-1.94e-03	-0.02	-5.44e-03	9.28e-06	0.0	-3.93e-05
291	146	-1.84e-03	-0.02	-5.67e-03	9.62e-06	0.0	-4.13e-05
291	147	-4.07e-04	-0.01	-7.30e-03	5.88e-06	0.0	-2.59e-05
291	151	-1.54e-03	-0.02	-5.86e-03	8.06e-06	0.0	-3.41e-05
291	152	-5.68e-04	-0.01	-6.94e-03	5.34e-06	0.0	-2.26e-05
291	155	-6.09e-04	-0.01	-6.85e-03	5.21e-06	0.0	-2.18e-05
291	156	-1.41e-03	-0.02	-6.00e-03	7.65e-06	0.0	-3.23e-05
292	3	-2.27e-03	-0.03	-8.93e-03	0.0	0.0	-6.94e-05
292	4	-2.03e-03	-0.03	-9.43e-03	0.0	0.0	-7.32e-05
292	9	2.77e-04	-0.02	-0.01	0.0	0.0	-4.46e-05
292	22	-2.64	0.41	0.01	-2.71e-04	0.0	1.82e-04
292	28	2.18	-0.97	-0.07	5.70e-04	0.0	-2.53e-04
292	44	0.38	-0.94	-0.07	5.33e-04	0.0	-2.89e-05
292	54	-2.31	0.31	7.89e-03	-2.08e-04	0.0	1.54e-04
292	76	0.24	-0.92	-0.07	5.24e-04	0.0	-9.82e-06
292	86	-2.02	0.26	5.60e-03	-1.78e-04	0.0	1.30e-04

292	108	0.20	-0.82	-0.06	4.65e-04	0.0	-1.14e-05
292	118	-3.27	0.53	0.02	-3.47e-04	0.0	2.34e-04
292	124	2.77	-1.20	-0.08	7.10e-04	0.0	-3.12e-04
292	145	-1.49e-03	-0.02	-7.29e-03	0.0	0.0	-4.87e-05
292	146	-1.32e-03	-0.02	-7.62e-03	0.0	0.0	-5.12e-05
292	147	2.13e-04	-0.01	-0.01	0.0	0.0	-3.21e-05
292	151	-1.07e-03	-0.02	-7.96e-03	0.0	0.0	-4.22e-05
292	152	-4.71e-05	-0.01	-9.67e-03	0.0	0.0	-2.81e-05
292	155	-1.12e-04	-0.01	-9.53e-03	0.0	0.0	-2.71e-05
292	156	-9.37e-04	-0.02	-8.19e-03	0.0	0.0	-4.00e-05
293	3	-1.57e-03	-0.03	-0.01	-1.59e-05	0.0	-6.91e-05
293	4	-1.31e-03	-0.03	-0.01	-1.70e-05	0.0	-7.28e-05
293	9	8.09e-04	-0.02	-0.02	-1.06e-05	0.0	-4.44e-05
293	21	-3.83	1.13	0.05	-5.28e-04	0.0	2.33e-04
293	28	3.44	-1.30	-0.09	5.70e-04	0.0	-3.67e-04
293	44	1.41	-1.24	-0.09	5.23e-04	0.0	-6.26e-05
293	53	-3.34	1.01	0.05	-4.73e-04	0.0	1.86e-04
293	76	1.27	-1.23	-0.09	5.13e-04	0.0	-3.61e-05
293	85	-2.92	0.88	0.04	-4.15e-04	0.0	1.56e-04
293	108	1.12	-1.09	-0.08	4.54e-04	0.0	-3.42e-05
293	117	-4.75	1.39	0.07	-6.46e-04	0.0	3.03e-04
293	124	4.34	-1.62	-0.10	7.12e-04	0.0	-4.57e-04
293	145	-9.80e-04	-0.02	-8.74e-03	-1.11e-05	0.0	-4.84e-05
293	146	-8.02e-04	-0.02	-9.18e-03	-1.18e-05	0.0	-5.09e-05
293	147	6.08e-04	-0.01	-0.01	-7.56e-06	0.0	-3.19e-05
293	151	-6.10e-04	-0.02	-9.73e-03	-9.63e-06	0.0	-4.20e-05
293	152	3.24e-04	-0.01	-0.01	-6.43e-06	0.0	-2.80e-05
293	155	2.53e-04	-0.01	-0.01	-6.14e-06	0.0	-2.70e-05
293	156	-4.86e-04	-0.02	-0.01	-9.13e-06	0.0	-3.98e-05
294	4	-4.52e-04	-0.01	-0.01	-3.38e-05	0.0	-5.20e-05
294	9	1.01e-03	-7.44e-03	-0.02	-2.08e-05	0.0	-3.16e-05
294	21	-5.14	1.44	0.06	-5.42e-04	0.0	3.55e-04
294	28	4.63	-1.63	-0.10	5.65e-04	0.0	-4.79e-04
294	44	1.87	-1.54	-0.11	5.11e-04	0.0	-8.64e-05
294	53	-4.47	1.29	0.06	-4.86e-04	0.0	2.91e-04
294	76	1.68	-1.52	-0.11	5.00e-04	0.0	-5.18e-05
294	85	-3.90	1.13	0.05	-4.27e-04	0.0	2.49e-04
294	108	1.47	-1.35	-0.10	4.42e-04	0.0	-4.64e-05
294	117	-6.37	1.77	0.08	-6.61e-04	0.0	4.52e-04
294	124	5.84	-2.03	-0.13	7.09e-04	0.0	-6.03e-04
294	146	-2.12e-04	-9.47e-03	-0.01	-2.36e-05	0.0	-3.63e-05
294	147	7.62e-04	-5.48e-03	-0.02	-1.49e-05	0.0	-2.28e-05
294	151	-9.01e-05	-8.16e-03	-0.01	-1.93e-05	0.0	-2.99e-05
294	152	5.53e-04	-5.34e-03	-0.02	-1.29e-05	0.0	-1.99e-05
294	155	5.00e-04	-5.31e-03	-0.01	-1.23e-05	0.0	-1.92e-05
294	156	-5.79e-06	-7.75e-03	-0.01	-1.83e-05	0.0	-2.84e-05
295	3	8.96e-04	0.01	-0.01	-1.85e-04	0.0	-4.48e-06
295	4	8.73e-04	0.01	-0.01	-1.96e-04	0.0	-4.77e-06
295	9	4.99e-04	8.84e-03	-0.03	-1.20e-04	0.0	-2.96e-06
295	15	6.55	-0.96	-0.06	1.56e-04	0.0	-5.05e-04
295	29	-5.89	1.97	0.09	-7.54e-04	0.0	5.79e-04
295	44	2.36	-1.84	-0.13	5.83e-04	0.0	-8.40e-05
295	47	5.68	-0.74	-0.05	1.09e-04	0.0	-4.22e-04
295	76	2.11	-1.81	-0.13	5.82e-04	0.0	-4.03e-05
295	77	-2.10	1.82	0.10	-7.95e-04	0.0	3.52e-05
295	79	4.95	-0.63	-0.04	7.98e-05	0.0	-3.66e-04
295	108	1.85	-1.60	-0.11	5.06e-04	0.0	-3.27e-05
295	109	-1.85	1.62	0.08	-7.19e-04	0.0	2.75e-05
295	111	8.11	-1.22	-0.07	2.26e-04	0.0	-6.32e-04
295	124	7.45	-2.44	-0.15	6.90e-04	0.0	-7.44e-04
295	125	-7.45	2.45	0.12	-9.03e-04	0.0	7.39e-04
295	145	6.43e-04	8.17e-03	-0.01	-1.30e-04	0.0	-3.14e-06
295	146	6.28e-04	9.07e-03	-0.01	-1.37e-04	0.0	-3.33e-06
295	147	3.78e-04	6.21e-03	-0.02	-8.61e-05	0.0	-2.12e-06
295	151	5.73e-04	7.05e-03	-0.01	-1.12e-04	0.0	-2.72e-06
295	152	4.03e-04	4.78e-03	-0.02	-7.46e-05	0.0	-1.81e-06
295	155	4.09e-04	4.42e-03	-0.02	-7.17e-05	0.0	-1.74e-06
295	156	5.50e-04	6.67e-03	-0.02	-1.06e-04	0.0	-2.58e-06
296	3	-2.65e-03	-3.15e-03	-2.90e-03	4.27e-06	0.0	-3.19e-05
296	4	-2.61e-03	-3.20e-03	-3.06e-03	4.30e-06	0.0	-3.36e-05
296	9	-1.12e-03	-1.79e-03	-4.64e-03	2.35e-06	0.0	-2.04e-05
296	22	-0.70	0.11	-0.10	-1.91e-04	0.0	3.63e-05
296	44	0.08	-0.31	4.84e-03	5.26e-04	0.0	5.67e-06
296	54	-0.62	0.08	-0.08	-1.39e-04	0.0	3.08e-05
296	76	0.05	-0.31	-3.35e-04	5.23e-04	0.0	1.11e-05

296	86	-0.54	0.07	-0.07	-1.17e-04	0.0	2.47e-05
296	108	0.04	-0.27	-1.07e-03	4.65e-04	0.0	8.42e-06
296	118	-0.86	0.14	-0.12	-2.48e-04	0.0	4.86e-05
296	140	0.11	-0.37	8.68e-03	6.23e-04	0.0	7.80e-06
296	145	-1.85e-03	-2.22e-03	-2.41e-03	3.02e-06	0.0	-2.23e-05
296	146	-1.82e-03	-2.25e-03	-2.52e-03	3.03e-06	0.0	-2.35e-05
296	147	-8.24e-04	-1.32e-03	-3.57e-03	1.73e-06	0.0	-1.47e-05
296	151	-1.55e-03	-1.93e-03	-2.69e-03	2.62e-06	0.0	-1.93e-05
296	152	-8.65e-04	-1.26e-03	-3.40e-03	1.71e-06	0.0	-1.28e-05
296	155	-8.76e-04	-1.25e-03	-3.35e-03	1.70e-06	0.0	-1.24e-05
296	156	-1.46e-03	-1.83e-03	-2.79e-03	2.49e-06	0.0	-1.83e-05
297	1	0.0	0.0	0.0	2.85e-06	0.0	-1.69e-06
297	15	0.0	0.0	0.0	2.02e-04	0.0	-4.54e-06
297	47	0.0	0.0	0.0	1.50e-04	0.0	-4.28e-06
297	79	0.0	0.0	0.0	1.28e-04	0.0	-3.98e-06
297	111	0.0	0.0	0.0	2.61e-04	0.0	-5.14e-06
297	143	0.0	0.0	0.0	2.10e-06	0.0	-1.24e-06
297	150	0.0	0.0	0.0	2.10e-06	0.0	-1.24e-06
297	155	0.0	0.0	0.0	2.10e-06	0.0	-1.24e-06
298	3	-2.86e-03	-5.07e-03	-5.06e-03	1.22e-06	0.0	-5.57e-05
298	4	-2.71e-03	-5.11e-03	-5.38e-03	1.08e-06	0.0	-5.87e-05
298	9	-5.63e-04	-2.80e-03	-8.56e-03	0.0	0.0	-3.57e-05
298	22	-1.59	0.22	-0.20	-1.97e-04	0.0	9.84e-05
298	44	0.21	-0.61	0.01	5.15e-04	0.0	-3.28e-06
298	54	-1.39	0.16	-0.17	-1.45e-04	0.0	8.36e-05
298	76	0.13	-0.61	6.14e-04	5.12e-04	0.0	8.73e-06
298	86	-1.22	0.14	-0.15	-1.23e-04	0.0	6.91e-05
298	108	0.11	-0.54	-9.68e-04	4.55e-04	0.0	5.38e-06
298	118	-1.96	0.29	-0.24	-2.56e-04	0.0	1.28e-04
298	140	0.29	-0.73	0.02	6.11e-04	0.0	-3.15e-06
298	145	-1.94e-03	-3.58e-03	-4.25e-03	0.0	0.0	-3.90e-05
298	146	-1.84e-03	-3.60e-03	-4.47e-03	0.0	0.0	-4.11e-05
298	147	-4.09e-04	-2.06e-03	-6.59e-03	0.0	0.0	-2.57e-05
298	151	-1.54e-03	-3.11e-03	-4.83e-03	0.0	0.0	-3.38e-05
298	152	-5.70e-04	-2.02e-03	-6.25e-03	0.0	0.0	-2.25e-05
298	155	-6.10e-04	-2.01e-03	-6.16e-03	0.0	0.0	-2.17e-05
298	156	-1.41e-03	-2.95e-03	-5.02e-03	0.0	0.0	-3.21e-05
299	3	-2.28e-03	-4.64e-03	-6.87e-03	-3.26e-06	0.0	-6.90e-05
299	9	2.70e-04	-2.30e-03	-0.01	-2.46e-06	0.0	-4.42e-05
299	22	-2.64	0.34	-0.30	-2.07e-04	0.0	1.82e-04
299	44	0.38	-0.91	0.02	5.00e-04	0.0	-2.92e-05
299	54	-2.31	0.25	-0.26	-1.54e-04	0.0	1.54e-04
299	76	0.24	-0.91	1.70e-03	4.96e-04	0.0	-1.01e-05
299	86	-2.02	0.21	-0.22	-1.31e-04	0.0	1.30e-04
299	108	0.20	-0.81	-7.04e-04	4.40e-04	0.0	-1.16e-05
299	118	-3.27	0.44	-0.37	-2.67e-04	0.0	2.34e-04
299	140	0.51	-1.08	0.03	5.95e-04	0.0	-3.58e-05
299	145	-1.49e-03	-3.29e-03	-5.84e-03	-2.26e-06	0.0	-4.83e-05
299	147	2.08e-04	-1.73e-03	-9.37e-03	-1.73e-06	0.0	-3.19e-05
299	151	-1.08e-03	-2.86e-03	-6.70e-03	-1.95e-06	0.0	-4.19e-05
299	152	-5.13e-05	-1.84e-03	-8.86e-03	-1.33e-06	0.0	-2.79e-05
299	155	-1.16e-04	-1.87e-03	-8.73e-03	-1.23e-06	0.0	-2.69e-05
299	156	-9.43e-04	-2.72e-03	-6.99e-03	-1.85e-06	0.0	-3.98e-05
300	3	-1.58e-03	-1.25e-03	-8.43e-03	-8.09e-06	0.0	-6.75e-05
300	9	8.04e-04	8.97e-05	-0.02	-5.56e-06	0.0	-4.33e-05
300	21	-3.83	1.03	-0.35	-4.42e-04	0.0	2.34e-04
300	22	-3.58	0.47	-0.39	-2.17e-04	0.0	2.83e-04
300	44	1.41	-1.20	0.02	4.84e-04	0.0	-6.21e-05
300	53	-3.34	0.93	-0.30	-3.98e-04	0.0	1.87e-04
300	54	-3.07	0.34	-0.34	-1.64e-04	0.0	2.42e-04
300	76	1.27	-1.19	2.51e-03	4.78e-04	0.0	-3.55e-05
300	85	-2.92	0.81	-0.26	-3.49e-04	0.0	1.57e-04
300	86	-2.67	0.29	-0.29	-1.40e-04	0.0	2.06e-04
300	108	1.12	-1.06	-6.37e-04	4.24e-04	0.0	-3.37e-05
300	117	-4.75	1.26	-0.44	-5.41e-04	0.0	3.04e-04
300	118	-4.46	0.60	-0.48	-2.78e-04	0.0	3.60e-04
300	124	4.34	-1.43	0.37	6.02e-04	0.0	-4.56e-04
300	145	-9.86e-04	-9.26e-04	-7.24e-03	-5.65e-06	0.0	-4.73e-05
300	147	6.05e-04	-3.16e-05	-0.01	-3.96e-06	0.0	-3.12e-05
300	151	-6.15e-04	-8.21e-04	-8.43e-03	-4.88e-06	0.0	-4.10e-05
300	152	3.21e-04	-4.67e-04	-0.01	-3.28e-06	0.0	-2.73e-05
300	155	2.51e-04	-5.76e-04	-0.01	-3.11e-06	0.0	-2.63e-05
300	156	-4.91e-04	-7.86e-04	-8.82e-03	-4.63e-06	0.0	-3.89e-05
301	9	1.00e-03	4.27e-03	-0.02	-7.95e-06	0.0	-2.97e-05
301	11	1.14e-04	5.93e-03	-0.01	-1.18e-05	0.0	-4.48e-05

301	21	-5.14	1.29	-0.43	-4.42e-04	0.0	3.57e-04
301	22	-4.82	0.60	-0.47	-2.24e-04	0.0	4.08e-04
301	45	-1.87	1.48	-0.05	-4.83e-04	0.0	3.16e-05
301	53	-4.47	1.16	-0.36	-3.97e-04	0.0	2.93e-04
301	54	-4.13	0.44	-0.41	-1.71e-04	0.0	3.49e-04
301	77	-1.68	1.47	-0.02	-4.77e-04	0.0	-3.08e-06
301	85	-3.90	1.02	-0.31	-3.49e-04	0.0	2.51e-04
301	86	-3.59	0.38	-0.36	-1.47e-04	0.0	3.01e-04
301	109	-1.47	1.30	-0.02	-4.24e-04	0.0	-8.45e-06
301	117	-6.37	1.58	-0.53	-5.40e-04	0.0	4.54e-04
301	118	-6.00	0.77	-0.59	-2.86e-04	0.0	5.11e-04
301	125	-5.84	1.78	-0.48	-6.10e-04	0.0	5.48e-04
301	147	7.57e-04	2.95e-03	-0.02	-5.68e-06	0.0	-2.14e-05
301	149	1.65e-04	4.06e-03	-0.01	-8.28e-06	0.0	-3.14e-05
301	152	5.46e-04	2.03e-03	-0.01	-4.79e-06	0.0	-1.87e-05
301	154	3.91e-05	2.98e-03	-0.01	-7.01e-06	0.0	-2.73e-05
301	155	4.94e-04	1.80e-03	-0.01	-4.56e-06	0.0	-1.80e-05
301	156	-1.34e-05	2.75e-03	-0.01	-6.78e-06	0.0	-2.67e-05
302	3	7.75e-04	0.01	-0.01	-2.06e-04	0.0	-5.68e-06
302	4	7.55e-04	0.01	-0.01	-2.18e-04	0.0	-6.03e-06
302	9	3.66e-04	9.51e-03	-0.03	-1.34e-04	0.0	-3.75e-06
302	15	6.55	-0.75	0.52	-1.52e-05	0.0	-5.03e-04
302	22	-6.16	0.73	-0.56	-2.13e-04	0.0	5.59e-04
302	45	-2.36	1.76	-0.06	-7.45e-04	0.0	7.72e-05
302	47	5.68	-0.56	0.44	-3.69e-05	0.0	-4.21e-04
302	54	-5.26	0.55	-0.48	-1.92e-04	0.0	4.82e-04
302	77	-2.11	1.74	-0.03	-7.54e-04	0.0	3.36e-05
302	79	4.95	-0.48	0.38	-4.80e-05	0.0	-3.65e-04
302	86	-4.58	0.47	-0.42	-1.82e-04	0.0	4.20e-04
302	109	-1.85	1.55	-0.03	-6.85e-04	0.0	2.61e-05
302	111	8.12	-0.96	0.65	1.45e-05	0.0	-6.30e-04
302	118	-7.67	0.94	-0.69	-2.40e-04	0.0	6.93e-04
302	125	-7.45	2.14	-0.56	-6.90e-04	0.0	7.36e-04
302	145	5.47e-04	8.87e-03	-0.01	-1.44e-04	0.0	-3.98e-06
302	146	5.34e-04	9.81e-03	-0.01	-1.53e-04	0.0	-4.21e-06
302	147	2.75e-04	6.70e-03	-0.02	-9.59e-05	0.0	-2.69e-06
302	151	4.74e-04	7.66e-03	-0.01	-1.25e-04	0.0	-3.46e-06
302	152	2.96e-04	5.21e-03	-0.02	-8.30e-05	0.0	-2.32e-06
302	155	3.02e-04	4.83e-03	-0.02	-7.97e-05	0.0	-2.23e-06
302	156	4.49e-04	7.26e-03	-0.01	-1.19e-04	0.0	-3.28e-06
303	3	-2.65e-03	9.31e-03	-2.76e-03	-1.09e-05	0.0	-3.17e-05
303	4	-2.61e-03	9.94e-03	-2.91e-03	-1.17e-05	0.0	-3.34e-05
303	9	-1.12e-03	6.18e-03	-4.51e-03	-7.37e-06	0.0	-2.02e-05
303	22	-0.70	0.10	-0.31	-1.62e-04	0.0	3.76e-05
303	45	-0.09	0.32	-0.05	-5.32e-04	0.0	-4.15e-05
303	54	-0.62	0.07	-0.27	-1.14e-04	0.0	3.19e-05
303	77	-0.05	0.32	-0.03	-5.32e-04	0.0	-4.70e-05
303	86	-0.54	0.06	-0.23	-9.70e-05	0.0	2.57e-05
303	109	-0.04	0.28	-0.03	-4.74e-04	0.0	-4.44e-05
303	118	-0.86	0.12	-0.39	-2.10e-04	0.0	5.02e-05
303	141	-0.12	0.38	-0.07	-6.28e-04	0.0	-4.34e-05
303	145	-1.84e-03	6.51e-03	-2.31e-03	-7.62e-06	0.0	-2.22e-05
303	146	-1.82e-03	6.93e-03	-2.41e-03	-8.14e-06	0.0	-2.33e-05
303	147	-8.23e-04	4.42e-03	-3.47e-03	-5.26e-06	0.0	-1.46e-05
303	151	-1.55e-03	5.63e-03	-2.60e-03	-6.59e-06	0.0	-1.92e-05
303	152	-8.64e-04	3.76e-03	-3.31e-03	-4.42e-06	0.0	-1.27e-05
303	155	-8.74e-04	3.59e-03	-3.27e-03	-4.20e-06	0.0	-1.23e-05
303	156	-1.46e-03	5.34e-03	-2.69e-03	-6.25e-06	0.0	-1.82e-05
304	3	-2.87e-03	0.02	-4.60e-03	-8.96e-06	0.0	-5.56e-05
304	4	-2.71e-03	0.02	-4.92e-03	-9.65e-06	0.0	-5.86e-05
304	9	-5.64e-04	0.01	-8.29e-03	-6.15e-06	0.0	-3.56e-05
304	22	-1.59	0.19	-0.58	-1.57e-04	0.0	9.88e-05
304	45	-0.21	0.63	-0.09	-5.09e-04	0.0	-6.04e-05
304	54	-1.39	0.13	-0.50	-1.11e-04	0.0	8.40e-05
304	77	-0.13	0.63	-0.06	-5.09e-04	0.0	-7.24e-05
304	86	-1.22	0.11	-0.43	-9.40e-05	0.0	6.94e-05
304	109	-0.11	0.56	-0.05	-4.53e-04	0.0	-6.91e-05
304	118	-1.96	0.24	-0.71	-2.04e-04	0.0	1.29e-04
304	141	-0.29	0.74	-0.12	-6.02e-04	0.0	-6.04e-05
304	145	-1.94e-03	0.01	-3.93e-03	-6.26e-06	0.0	-3.89e-05
304	146	-1.84e-03	0.01	-4.14e-03	-6.72e-06	0.0	-4.09e-05
304	147	-4.09e-04	8.17e-03	-6.39e-03	-4.39e-06	0.0	-2.56e-05
304	151	-1.54e-03	0.01	-4.54e-03	-5.42e-06	0.0	-3.37e-05
304	152	-5.70e-04	6.93e-03	-6.05e-03	-3.65e-06	0.0	-2.24e-05
304	155	-6.10e-04	6.62e-03	-5.96e-03	-3.47e-06	0.0	-2.16e-05

304	156	-1.41e-03	9.83e-03	-4.75e-03	-5.15e-06	0.0	-3.20e-05
305	3	-2.29e-03	0.02	-6.11e-03	-6.05e-06	0.0	-6.88e-05
305	4	-2.04e-03	0.02	-6.61e-03	-6.58e-06	0.0	-7.25e-05
305	9	2.69e-04	0.02	-0.01	-4.28e-06	0.0	-4.41e-05
305	22	-2.64	0.27	-0.80	-1.55e-04	0.0	1.82e-04
305	45	-0.38	0.91	-0.13	-4.81e-04	0.0	-5.00e-05
305	54	-2.31	0.19	-0.69	-1.10e-04	0.0	1.55e-04
305	77	-0.24	0.91	-0.09	-4.80e-04	0.0	-6.90e-05
305	86	-2.02	0.16	-0.60	-9.34e-05	0.0	1.30e-04
305	109	-0.20	0.81	-0.07	-4.27e-04	0.0	-6.75e-05
305	118	-3.27	0.35	-1.00	-2.01e-04	0.0	2.34e-04
305	141	-0.51	1.08	-0.17	-5.70e-04	0.0	-4.33e-05
305	145	-1.50e-03	0.02	-5.31e-03	-4.22e-06	0.0	-4.82e-05
305	146	-1.33e-03	0.02	-5.64e-03	-4.57e-06	0.0	-5.07e-05
305	147	2.07e-04	0.01	-9.13e-03	-3.04e-06	0.0	-3.18e-05
305	151	-1.08e-03	0.01	-6.25e-03	-3.65e-06	0.0	-4.18e-05
305	152	-5.25e-05	9.27e-03	-8.60e-03	-2.47e-06	0.0	-2.78e-05
305	155	-1.17e-04	8.85e-03	-8.46e-03	-2.33e-06	0.0	-2.68e-05
305	156	-9.45e-04	0.01	-6.57e-03	-3.46e-06	0.0	-3.96e-05
306	3	-1.59e-03	0.03	-7.36e-03	-1.22e-06	0.0	-6.70e-05
306	4	-1.32e-03	0.03	-8.07e-03	-1.49e-06	0.0	-7.06e-05
306	9	8.02e-04	0.02	-0.02	-1.16e-06	0.0	-4.30e-05
306	21	-3.83	0.93	-0.94	-3.72e-04	0.0	2.35e-04
306	22	-3.58	0.36	-1.00	-1.55e-04	0.0	2.84e-04
306	45	-1.41	1.18	-0.16	-4.54e-04	0.0	-1.52e-05
306	53	-3.34	0.85	-0.79	-3.37e-04	0.0	1.88e-04
306	54	-3.07	0.25	-0.86	-1.11e-04	0.0	2.42e-04
306	77	-1.27	1.18	-0.11	-4.51e-04	0.0	-4.18e-05
306	85	-2.92	0.75	-0.69	-2.95e-04	0.0	1.58e-04
306	86	-2.67	0.22	-0.75	-9.41e-05	0.0	2.06e-04
306	109	-1.12	1.05	-0.09	-4.01e-04	0.0	-4.37e-05
306	117	-4.75	1.13	-1.17	-4.54e-04	0.0	3.04e-04
306	118	-4.46	0.47	-1.24	-2.01e-04	0.0	3.60e-04
306	141	-1.74	1.40	-0.22	-5.38e-04	0.0	1.55e-06
306	145	-9.89e-04	0.02	-6.51e-03	0.0	0.0	-4.69e-05
306	146	-8.12e-04	0.02	-6.97e-03	-1.01e-06	0.0	-4.94e-05
306	147	6.03e-04	0.01	-0.01	0.0	0.0	-3.10e-05
306	151	-6.18e-04	0.02	-7.82e-03	0.0	0.0	-4.07e-05
306	152	3.20e-04	0.01	-0.01	0.0	0.0	-2.71e-05
306	155	2.49e-04	9.81e-03	-0.01	0.0	0.0	-2.61e-05
306	156	-4.94e-04	0.01	-8.26e-03	0.0	0.0	-3.86e-05
307	4	-4.82e-04	0.02	-9.48e-03	5.15e-06	0.0	-4.79e-05
307	9	9.92e-04	0.02	-0.02	2.87e-06	0.0	-2.92e-05
307	21	-5.14	1.14	-1.10	-3.60e-04	0.0	3.57e-04
307	22	-4.82	0.44	-1.17	-1.54e-04	0.0	4.08e-04
307	45	-1.87	1.43	-0.19	-4.31e-04	0.0	3.21e-05
307	53	-4.47	1.03	-0.93	-3.25e-04	0.0	2.94e-04
307	54	-4.13	0.32	-1.00	-1.11e-04	0.0	3.50e-04
307	77	-1.68	1.43	-0.13	-4.28e-04	0.0	-2.54e-06
307	85	-3.90	0.91	-0.81	-2.85e-04	0.0	2.51e-04
307	86	-3.59	0.27	-0.87	-9.37e-05	0.0	3.01e-04
307	109	-1.47	1.27	-0.11	-3.80e-04	0.0	-7.91e-06
307	117	-6.37	1.38	-1.37	-4.41e-04	0.0	4.54e-04
307	118	-6.00	0.58	-1.45	-2.01e-04	0.0	5.12e-04
307	141	-2.31	1.70	-0.25	-5.12e-04	0.0	5.98e-05
307	146	-2.33e-04	0.02	-8.36e-03	3.62e-06	0.0	-3.35e-05
307	147	7.49e-04	0.01	-0.02	2.11e-06	0.0	-2.10e-05
307	151	-1.11e-04	0.01	-9.53e-03	3.11e-06	0.0	-2.76e-05
307	152	5.37e-04	9.16e-03	-0.01	2.03e-06	0.0	-1.84e-05
307	155	4.84e-04	8.68e-03	-0.01	2.02e-06	0.0	-1.77e-05
307	156	-2.57e-05	0.01	-0.01	2.95e-06	0.0	-2.62e-05
308	3	6.39e-04	0.01	-0.01	-2.21e-04	0.0	-5.48e-06
308	4	6.26e-04	0.02	-0.01	-2.34e-04	0.0	-5.80e-06
308	9	2.60e-04	0.01	-0.03	-1.43e-04	0.0	-3.59e-06
308	15	6.55	-0.54	1.28	-1.04e-04	0.0	-5.02e-04
308	22	-6.16	0.53	-1.31	-1.43e-04	0.0	5.58e-04
308	45	-2.36	1.67	-0.22	-8.35e-04	0.0	7.71e-05
308	47	5.68	-0.38	1.09	-1.06e-04	0.0	-4.20e-04
308	54	-5.26	0.38	-1.13	-1.43e-04	0.0	4.82e-04
308	77	-2.11	1.67	-0.14	-8.56e-04	0.0	3.36e-05
308	79	4.96	-0.32	0.95	-1.08e-04	0.0	-3.65e-04
308	86	-4.58	0.32	-0.98	-1.41e-04	0.0	4.19e-04
308	109	-1.85	1.48	-0.12	-7.77e-04	0.0	2.61e-05
308	111	8.12	-0.70	1.59	-9.70e-05	0.0	-6.28e-04
308	118	-7.67	0.69	-1.63	-1.48e-04	0.0	6.92e-04

308	141	-2.91	1.98	-0.29	-9.55e-04	0.0	1.13e-04
308	145	4.44e-04	9.65e-03	-9.91e-03	-1.55e-04	0.0	-3.84e-06
308	146	4.36e-04	0.01	-0.01	-1.63e-04	0.0	-4.06e-06
308	147	1.92e-04	7.23e-03	-0.02	-1.03e-04	0.0	-2.58e-06
308	151	3.73e-04	8.34e-03	-0.01	-1.34e-04	0.0	-3.34e-06
308	152	2.05e-04	5.67e-03	-0.02	-8.88e-05	0.0	-2.24e-06
308	155	2.09e-04	5.28e-03	-0.02	-8.53e-05	0.0	-2.15e-06
308	156	3.50e-04	7.90e-03	-0.01	-1.27e-04	0.0	-3.17e-06
309	3	-0.02	0.11	-0.02	-1.80e-04	0.0	2.98e-05
309	4	-0.01	0.12	-0.02	-1.90e-04	0.0	3.17e-05
309	9	-3.47e-03	0.07	-0.03	-1.16e-04	0.0	1.93e-05
309	18	-7.84	-2.24	-0.79	4.77e-04	0.0	6.70e-04
309	22	-7.40	-2.19	-0.79	4.59e-04	0.0	6.54e-04
309	23	7.05	2.63	0.72	-7.35e-04	0.0	-7.07e-04
309	50	-6.77	-1.98	-0.68	4.20e-04	0.0	5.63e-04
309	54	-6.30	-1.93	-0.68	4.03e-04	0.0	5.47e-04
309	55	5.82	2.27	0.58	-6.53e-04	0.0	-5.60e-04
309	82	-5.90	-1.73	-0.59	3.55e-04	0.0	4.90e-04
309	86	-5.48	-1.68	-0.60	3.41e-04	0.0	4.76e-04
309	99	2.15	2.01	0.25	-5.65e-04	0.0	-1.25e-05
309	114	-9.72	-2.76	-0.97	6.07e-04	0.0	8.34e-04
309	118	-9.22	-2.70	-0.97	5.86e-04	0.0	8.15e-04
309	119	8.92	3.27	0.91	-8.91e-04	0.0	-9.07e-04
309	145	-0.01	0.08	-0.01	-1.26e-04	0.0	2.08e-05
309	146	-9.93e-03	0.08	-0.01	-1.33e-04	0.0	2.21e-05
309	147	-2.61e-03	0.05	-0.03	-8.34e-05	0.0	1.38e-05
309	151	-8.57e-03	0.07	-0.02	-1.09e-04	0.0	1.79e-05
309	152	-3.64e-03	0.04	-0.03	-7.23e-05	0.0	1.18e-05
309	155	-3.89e-03	0.04	-0.02	-6.96e-05	0.0	1.13e-05
309	156	-7.90e-03	0.06	-0.02	-1.03e-04	0.0	1.70e-05
310	3	-0.01	0.11	-0.09	0.0	-1.54e-05	-6.92e-06
310	4	-9.82e-03	0.12	-0.09	0.0	-1.40e-05	-6.65e-06
310	11	-6.86e-03	0.11	-0.09	0.0	-9.50e-06	-5.08e-06
310	18	-8.28	-2.24	-0.50	0.0	-2.58e-03	7.91e-04
310	22	-7.86	-2.19	-0.50	0.0	-2.58e-03	8.60e-04
310	23	7.51	2.63	0.36	0.0	2.33e-03	-8.66e-04
310	50	-7.14	-1.98	-0.44	0.0	-2.20e-03	6.64e-04
310	54	-6.69	-1.93	-0.44	0.0	-2.20e-03	7.39e-04
310	55	6.18	2.27	0.29	0.0	1.89e-03	-6.94e-04
310	82	-6.22	-1.73	-0.39	0.0	-1.92e-03	5.76e-04
310	86	-5.82	-1.68	-0.39	0.0	-1.92e-03	6.43e-04
310	99	2.22	2.01	0.09	0.0	6.37e-04	-8.09e-05
310	114	-10.27	-2.76	-0.61	0.0	-3.20e-03	9.91e-04
310	118	-9.79	-2.70	-0.61	0.0	-3.20e-03	1.07e-03
310	119	9.51	3.27	0.48	0.0	2.96e-03	-1.10e-03
310	145	-7.28e-03	0.08	-0.06	0.0	-1.05e-05	-4.76e-06
310	146	-6.73e-03	0.08	-0.07	0.0	-9.60e-06	-4.58e-06
310	149	-4.76e-03	0.08	-0.07	0.0	-6.57e-06	-3.53e-06
310	151	-5.85e-03	0.07	-0.06	0.0	-8.37e-06	-3.89e-06
310	154	-5.16e-03	0.06	-0.06	0.0	-7.30e-06	-3.53e-06
310	156	-5.38e-03	0.06	-0.06	0.0	-7.66e-06	-3.61e-06
311	3	-0.03	0.22	-8.83e-03	-2.01e-04	0.0	4.47e-05
311	4	-0.02	0.23	-0.01	-2.13e-04	0.0	4.76e-05
311	9	-4.30e-03	0.14	-0.03	-1.30e-04	0.0	2.96e-05
311	21	-9.20	-1.48	-0.76	2.78e-04	0.0	1.01e-03
311	22	-8.71	-2.46	-0.85	4.83e-04	0.0	8.31e-04
311	23	8.27	3.08	0.78	-7.92e-04	0.0	-8.67e-04
311	53	-7.93	-1.14	-0.64	2.09e-04	0.0	8.81e-04
311	54	-7.40	-2.17	-0.73	4.25e-04	0.0	6.94e-04
311	55	6.80	2.66	0.63	-7.06e-04	0.0	-6.81e-04
311	85	-6.91	-0.96	-0.56	1.66e-04	0.0	7.71e-04
311	86	-6.43	-1.88	-0.64	3.59e-04	0.0	6.04e-04
311	99	2.48	2.35	0.28	-6.13e-04	0.0	2.93e-05
311	117	-11.42	-1.91	-0.94	3.79e-04	0.0	1.24e-03
311	118	-10.86	-3.05	-1.05	6.18e-04	0.0	1.04e-03
311	119	10.48	3.82	0.99	-9.57e-04	0.0	-1.12e-03
311	145	-0.02	0.15	-9.71e-03	-1.41e-04	0.0	3.12e-05
311	146	-0.02	0.16	-0.01	-1.49e-04	0.0	3.32e-05
311	147	-3.28e-03	0.10	-0.03	-9.32e-05	0.0	2.12e-05
311	151	-0.01	0.13	-0.01	-1.22e-04	0.0	2.70e-05
311	152	-5.35e-03	0.09	-0.03	-8.08e-05	0.0	1.80e-05
311	155	-5.87e-03	0.09	-0.02	-7.77e-05	0.0	1.73e-05
311	156	-0.01	0.13	-0.02	-1.16e-04	0.0	2.56e-05
312	3	-0.02	0.22	-0.09	0.0	-1.22e-05	-1.03e-05
312	4	-0.02	0.23	-0.09	0.0	-1.09e-05	-9.67e-06

312	11	-0.01	0.22	-0.09	0.0	-6.93e-06	-7.01e-06
312	21	-9.76	-1.48	-0.50	0.0	-2.52e-03	1.02e-03
312	22	-9.30	-2.46	-0.55	0.0	-2.63e-03	1.10e-03
312	23	8.86	3.08	0.41	0.0	2.38e-03	-1.09e-03
312	53	-8.40	-1.14	-0.43	0.0	-2.13e-03	8.57e-04
312	54	-7.90	-2.17	-0.48	0.0	-2.25e-03	9.44e-04
312	55	7.26	2.66	0.32	0.0	1.93e-03	-8.76e-04
312	85	-7.31	-0.96	-0.38	0.0	-1.85e-03	7.44e-04
312	86	-6.87	-1.88	-0.42	0.0	-1.96e-03	8.20e-04
312	99	2.56	2.35	0.11	0.0	6.56e-04	-1.18e-04
312	117	-12.12	-1.91	-0.61	0.0	-3.15e-03	1.28e-03
312	118	-11.59	-3.05	-0.66	0.0	-3.27e-03	1.37e-03
312	119	11.22	3.82	0.53	0.0	3.03e-03	-1.40e-03
312	145	-0.01	0.15	-0.06	0.0	-8.31e-06	-7.01e-06
312	146	-0.01	0.16	-0.07	0.0	-7.43e-06	-6.61e-06
312	149	-8.29e-03	0.15	-0.07	0.0	-4.77e-06	-4.84e-06
312	151	-0.01	0.13	-0.06	0.0	-6.53e-06	-5.64e-06
312	154	-9.14e-03	0.13	-0.06	0.0	-5.58e-06	-5.02e-06
312	156	-9.58e-03	0.13	-0.06	0.0	-5.94e-06	-5.18e-06
313	3	-0.03	0.34	-3.66e-03	-2.21e-04	0.0	4.92e-05
313	4	-0.03	0.36	-5.45e-03	-2.33e-04	0.0	5.25e-05
313	9	-3.68e-03	0.22	-0.03	-1.42e-04	0.0	3.28e-05
313	18	-10.64	-2.82	-0.89	5.07e-04	0.0	1.03e-03
313	21	-10.64	-1.64	-0.80	2.81e-04	0.0	1.23e-03
313	23	9.57	3.55	0.83	-8.18e-04	0.0	-1.04e-03
313	53	-9.15	-1.26	-0.67	2.11e-04	0.0	1.07e-03
313	54	-8.56	-2.41	-0.77	4.27e-04	0.0	8.35e-04
313	55	7.84	3.07	0.67	-7.29e-04	0.0	-8.12e-04
313	85	-7.96	-1.06	-0.59	1.66e-04	0.0	9.40e-04
313	86	-7.44	-2.09	-0.67	3.59e-04	0.0	7.27e-04
313	87	6.81	2.71	0.58	-6.55e-04	0.0	-6.97e-04
313	114	-13.21	-3.51	-1.11	6.49e-04	0.0	1.29e-03
313	117	-13.21	-2.14	-1.00	3.87e-04	0.0	1.52e-03
313	119	12.12	4.38	1.05	-9.88e-04	0.0	-1.34e-03
313	145	-0.02	0.24	-6.35e-03	-1.54e-04	0.0	3.44e-05
313	146	-0.02	0.25	-7.54e-03	-1.63e-04	0.0	3.66e-05
313	147	-2.91e-03	0.16	-0.03	-1.02e-04	0.0	2.35e-05
313	151	-0.02	0.21	-0.01	-1.34e-04	0.0	2.98e-05
313	152	-6.02e-03	0.14	-0.02	-8.83e-05	0.0	1.99e-05
313	155	-6.79e-03	0.13	-0.02	-8.50e-05	0.0	1.90e-05
313	156	-0.02	0.20	-0.01	-1.27e-04	0.0	2.83e-05
314	3	-0.03	0.34	-0.08	0.0	-8.21e-06	-1.20e-05
314	4	-0.02	0.36	-0.09	0.0	-6.98e-06	-1.10e-05
314	11	-0.02	0.34	-0.10	0.0	-3.79e-06	-7.49e-06
314	21	-11.30	-1.64	-0.54	0.0	-2.59e-03	1.22e-03
314	22	-10.79	-2.74	-0.59	0.0	-2.71e-03	1.31e-03
314	23	10.25	3.55	0.44	0.0	2.46e-03	-1.29e-03
314	53	-9.70	-1.26	-0.46	0.0	-2.19e-03	1.02e-03
314	54	-9.15	-2.41	-0.51	0.0	-2.31e-03	1.12e-03
314	55	8.37	3.07	0.35	0.0	1.99e-03	-1.03e-03
314	85	-8.44	-1.06	-0.41	0.0	-1.90e-03	8.87e-04
314	86	-7.95	-2.09	-0.46	0.0	-2.01e-03	9.74e-04
314	87	7.27	2.71	0.30	0.0	1.73e-03	-8.94e-04
314	117	-14.04	-2.14	-0.65	0.0	-3.24e-03	1.52e-03
314	118	-13.45	-3.42	-0.71	0.0	-3.36e-03	1.62e-03
314	119	13.00	4.38	0.58	0.0	3.12e-03	-1.65e-03
314	145	-0.02	0.24	-0.06	0.0	-5.53e-06	-8.12e-06
314	146	-0.02	0.25	-0.07	0.0	-4.71e-06	-7.48e-06
314	149	-0.01	0.24	-0.07	0.0	-2.58e-06	-5.14e-06
314	151	-0.01	0.21	-0.06	0.0	-4.22e-06	-6.43e-06
314	154	-0.01	0.20	-0.06	0.0	-3.46e-06	-5.61e-06
314	156	-0.01	0.20	-0.06	0.0	-3.79e-06	-5.87e-06
315	3	-0.04	0.48	9.43e-04	-2.39e-04	0.0	4.69e-05
315	4	-0.03	0.51	-1.11e-03	-2.52e-04	0.0	5.02e-05
315	9	-1.97e-03	0.31	-0.03	-1.52e-04	0.0	3.14e-05
315	18	-12.13	-3.11	-0.93	4.99e-04	0.0	1.23e-03
315	21	-12.14	-1.81	-0.84	2.78e-04	0.0	1.44e-03
315	23	10.92	4.03	0.87	-8.28e-04	0.0	-1.24e-03
315	50	-10.41	-2.74	-0.80	4.37e-04	0.0	1.03e-03
315	53	-10.42	-1.38	-0.70	2.07e-04	0.0	1.25e-03
315	55	8.93	3.50	0.71	-7.39e-04	0.0	-9.70e-04
315	82	-9.06	-2.37	-0.70	3.67e-04	0.0	8.99e-04
315	85	-9.07	-1.15	-0.61	1.62e-04	0.0	1.09e-03
315	87	7.75	3.09	0.61	-6.64e-04	0.0	-8.35e-04
315	114	-15.07	-3.89	-1.15	6.42e-04	0.0	1.53e-03

315	117	-15.07	-2.37	-1.04	3.85e-04	0.0	1.77e-03
315	119	13.84	4.97	1.10	-9.98e-04	0.0	-1.59e-03
315	145	-0.02	0.33	-3.35e-03	-1.67e-04	0.0	3.28e-05
315	146	-0.02	0.35	-4.72e-03	-1.76e-04	0.0	3.50e-05
315	147	-1.74e-03	0.22	-0.03	-1.09e-04	0.0	2.24e-05
315	151	-0.02	0.29	-9.58e-03	-1.44e-04	0.0	2.84e-05
315	152	-5.81e-03	0.19	-0.02	-9.50e-05	0.0	1.89e-05
315	155	-6.83e-03	0.18	-0.02	-9.14e-05	0.0	1.81e-05
315	156	-0.02	0.27	-0.01	-1.37e-04	0.0	2.69e-05
316	3	-0.03	0.48	-0.08	0.0	-4.25e-06	-1.24e-05
316	4	-0.03	0.51	-0.09	0.0	-3.18e-06	-1.11e-05
316	11	-0.02	0.47	-0.10	0.0	0.0	-6.96e-06
316	22	-12.88	-3.03	-0.63	0.0	-2.77e-03	1.48e-03
316	23	11.68	4.03	0.48	0.0	2.40e-03	-1.46e-03
316	54	-11.04	-2.66	-0.55	0.0	-2.37e-03	1.27e-03
316	55	9.53	3.49	0.38	0.0	1.92e-03	-1.17e-03
316	86	-9.61	-2.29	-0.48	0.0	-2.06e-03	1.11e-03
316	87	8.26	3.09	0.32	0.0	1.66e-03	-1.01e-03
316	118	-16.00	-3.79	-0.76	0.0	-3.44e-03	1.85e-03
316	119	14.82	4.97	0.62	0.0	3.06e-03	-1.86e-03
316	145	-0.02	0.33	-0.06	0.0	-2.81e-06	-8.40e-06
316	146	-0.02	0.35	-0.07	0.0	-2.09e-06	-7.51e-06
316	149	-0.01	0.33	-0.07	0.0	0.0	-4.75e-06
316	151	-0.02	0.29	-0.06	0.0	-2.00e-06	-6.53e-06
316	154	-0.01	0.28	-0.06	0.0	-1.44e-06	-5.55e-06
316	156	-0.01	0.27	-0.06	0.0	-1.73e-06	-5.90e-06
317	3	-0.04	0.62	5.81e-03	-2.48e-04	0.0	3.92e-05
317	4	-0.03	0.66	3.25e-03	-2.62e-04	0.0	4.20e-05
317	9	4.11e-04	0.40	-0.04	-1.57e-04	0.0	2.62e-05
317	18	-13.67	-3.40	-0.96	4.65e-04	0.0	1.36e-03
317	21	-13.68	-1.97	-0.86	2.68e-04	0.0	1.60e-03
317	23	12.32	4.52	0.90	-7.96e-04	0.0	-1.38e-03
317	50	-11.72	-2.99	-0.83	4.05e-04	0.0	1.14e-03
317	53	-11.73	-1.50	-0.73	1.99e-04	0.0	1.39e-03
317	55	10.06	3.92	0.73	-7.09e-04	0.0	-1.09e-03
317	82	-10.20	-2.57	-0.72	3.38e-04	0.0	9.91e-04
317	85	-10.21	-1.24	-0.63	1.53e-04	0.0	1.22e-03
317	87	8.73	3.47	0.63	-6.38e-04	0.0	-9.36e-04
317	114	-16.99	-4.26	-1.19	6.02e-04	0.0	1.70e-03
317	117	-17.00	-2.60	-1.07	3.72e-04	0.0	1.98e-03
317	119	15.63	5.56	1.14	-9.58e-04	0.0	-1.78e-03
317	145	-0.02	0.44	-2.16e-04	-1.74e-04	0.0	2.73e-05
317	146	-0.02	0.46	-1.92e-03	-1.83e-04	0.0	2.92e-05
317	147	-6.74e-05	0.29	-0.03	-1.12e-04	0.0	1.87e-05
317	151	-0.02	0.38	-7.39e-03	-1.50e-04	0.0	2.36e-05
317	152	-4.92e-03	0.25	-0.02	-9.78e-05	0.0	1.57e-05
317	155	-6.14e-03	0.24	-0.02	-9.42e-05	0.0	1.50e-05
317	156	-0.02	0.36	-9.78e-03	-1.42e-04	0.0	2.24e-05
318	3	-0.03	0.62	-0.08	0.0	0.0	-1.17e-05
318	4	-0.03	0.66	-0.09	0.0	0.0	-1.01e-05
318	11	-0.02	0.61	-0.10	0.0	1.61e-06	-5.59e-06
318	22	-14.49	-3.31	-0.66	0.0	-2.81e-03	1.64e-03
318	23	13.15	4.52	0.51	0.0	2.45e-03	-1.61e-03
318	54	-12.41	-2.90	-0.58	0.0	-2.41e-03	1.41e-03
318	55	10.71	3.92	0.41	0.0	1.95e-03	-1.29e-03
318	86	-10.80	-2.49	-0.51	0.0	-2.09e-03	1.22e-03
318	87	9.29	3.47	0.35	0.0	1.69e-03	-1.11e-03
318	118	-18.00	-4.15	-0.80	0.0	-3.50e-03	2.04e-03
318	119	16.69	5.56	0.66	0.0	3.12e-03	-2.05e-03
318	145	-0.02	0.44	-0.06	0.0	0.0	-7.85e-06
318	146	-0.02	0.46	-0.07	0.0	0.0	-6.76e-06
318	149	-0.01	0.43	-0.07	0.0	1.15e-06	-3.77e-06
318	151	-0.02	0.38	-0.06	0.0	0.0	-5.96e-06
318	154	-0.01	0.37	-0.06	0.0	0.0	-4.89e-06
318	156	-0.01	0.36	-0.06	0.0	0.0	-5.33e-06
319	3	-0.03	0.79	0.01	-1.74e-04	3.50e-06	-6.75e-06
319	4	-0.03	0.83	7.34e-03	-1.85e-04	3.99e-06	-4.80e-06
319	9	3.02e-03	0.50	-0.04	-1.14e-04	3.18e-06	4.34e-06
319	18	-15.26	-3.66	-0.98	3.55e-04	-2.71e-03	1.63e-03
319	21	-15.27	-2.12	-0.88	2.93e-04	-2.83e-03	1.75e-03
319	23	13.77	4.99	0.92	-5.40e-04	2.47e-03	-1.70e-03
319	50	-13.07	-3.22	-0.85	2.95e-04	-2.29e-03	1.37e-03
319	53	-13.08	-1.61	-0.74	2.30e-04	-2.42e-03	1.50e-03
319	55	11.23	4.35	0.75	-4.63e-04	1.97e-03	-1.36e-03
319	82	-11.37	-2.76	-0.74	2.44e-04	-1.99e-03	1.19e-03

319	85	-11.38	-1.32	-0.65	1.86e-04	-2.11e-03	1.31e-03
319	87	9.74	3.85	0.65	-4.15e-04	1.71e-03	-1.17e-03
319	114	-18.96	-4.60	-1.21	4.63e-04	-3.38e-03	2.03e-03
319	117	-18.97	-2.81	-1.10	3.91e-04	-3.52e-03	2.17e-03
319	119	17.46	6.13	1.17	-6.56e-04	3.15e-03	-2.17e-03
319	145	-0.02	0.55	2.83e-03	-1.21e-04	2.47e-06	-4.37e-06
319	146	-0.02	0.58	6.86e-04	-1.29e-04	2.80e-06	-3.07e-06
319	147	1.78e-03	0.36	-0.03	-8.17e-05	2.26e-06	3.02e-06
319	151	-0.02	0.48	-5.32e-03	-1.05e-04	2.21e-06	-2.93e-06
319	152	-3.56e-03	0.31	-0.03	-6.99e-05	1.74e-06	0.0
319	155	-4.90e-03	0.30	-0.02	-6.69e-05	1.61e-06	0.0
319	156	-0.02	0.45	-8.03e-03	-9.96e-05	2.13e-06	-2.45e-06
320	3	-0.03	0.79	-0.08	-1.73e-04	3.45e-06	-9.68e-06
320	4	-0.03	0.83	-0.09	-1.84e-04	3.86e-06	-7.86e-06
320	11	-0.01	0.77	-0.10	-1.70e-04	3.84e-06	-3.46e-06
320	18	-16.12	-3.66	-0.69	3.09e-04	-2.73e-03	1.63e-03
320	23	14.65	5.00	0.54	-4.95e-04	2.49e-03	-1.71e-03
320	50	-13.80	-3.22	-0.60	2.55e-04	-2.31e-03	1.38e-03
320	54	-13.80	-3.11	-0.60	2.54e-04	-2.45e-03	1.50e-03
320	55	11.91	4.35	0.43	-4.25e-04	1.99e-03	-1.37e-03
320	82	-12.00	-2.76	-0.53	2.10e-04	-2.01e-03	1.19e-03
320	86	-12.00	-2.67	-0.53	2.08e-04	-2.13e-03	1.30e-03
320	87	10.33	3.85	0.37	-3.82e-04	1.73e-03	-1.18e-03
320	114	-20.04	-4.60	-0.84	4.07e-04	-3.41e-03	2.04e-03
320	119	18.59	6.13	0.70	-5.99e-04	3.18e-03	-2.18e-03
320	145	-0.02	0.55	-0.06	-1.21e-04	2.42e-06	-6.42e-06
320	146	-0.02	0.58	-0.07	-1.28e-04	2.70e-06	-5.21e-06
320	149	-9.80e-03	0.54	-0.07	-1.19e-04	2.68e-06	-2.28e-06
320	151	-0.02	0.48	-0.06	-1.05e-04	2.14e-06	-4.70e-06
320	154	-0.01	0.46	-0.06	-1.02e-04	2.15e-06	-3.64e-06
320	156	-0.01	0.45	-0.06	-9.92e-05	2.04e-06	-4.13e-06
321	3	-7.51e-03	0.11	-0.14	0.0	-1.18e-05	-4.91e-06
321	4	-6.83e-03	0.12	-0.15	0.0	-1.07e-05	-4.64e-06
321	18	-8.68	-2.24	-0.37	0.0	-2.80e-03	7.33e-04
321	22	-8.68	-2.19	-0.37	0.0	-2.80e-03	8.04e-04
321	23	7.95	2.63	0.17	0.0	2.55e-03	-8.13e-04
321	50	-7.48	-1.98	-0.33	0.0	-2.39e-03	6.14e-04
321	54	-7.48	-1.93	-0.33	0.0	-2.39e-03	6.92e-04
321	55	6.52	2.27	0.12	0.0	2.06e-03	-6.51e-04
321	82	-6.52	-1.73	-0.30	0.0	-2.08e-03	5.33e-04
321	86	-6.51	-1.68	-0.30	0.0	-2.08e-03	6.02e-04
321	99	2.27	2.01	-3.66e-03	0.0	6.75e-04	-6.65e-05
321	114	-10.78	-2.76	-0.43	0.0	-3.48e-03	9.18e-04
321	118	-10.78	-2.70	-0.43	0.0	-3.48e-03	9.98e-04
321	119	10.07	3.27	0.24	0.0	3.24e-03	-1.04e-03
321	145	-5.13e-03	0.08	-0.10	0.0	-8.08e-06	-3.35e-06
321	146	-4.68e-03	0.08	-0.11	0.0	-7.35e-06	-3.18e-06
321	151	-4.10e-03	0.07	-0.09	0.0	-6.45e-06	-2.70e-06
321	156	-3.76e-03	0.06	-0.09	0.0	-5.90e-06	-2.49e-06
322	3	-0.01	0.22	-0.15	0.0	-9.79e-06	-8.30e-06
322	4	-0.01	0.23	-0.16	0.0	-8.77e-06	-7.74e-06
322	18	-10.29	-2.52	-0.40	0.0	-2.73e-03	9.50e-04
322	22	-10.29	-2.46	-0.40	0.0	-2.83e-03	1.03e-03
322	23	9.41	3.08	0.20	0.0	2.48e-03	-1.03e-03
322	50	-8.84	-2.23	-0.36	0.0	-2.31e-03	7.97e-04
322	54	-8.84	-2.17	-0.36	0.0	-2.42e-03	8.85e-04
322	55	7.69	2.66	0.14	0.0	1.98e-03	-8.24e-04
322	82	-7.70	-1.94	-0.32	0.0	-2.01e-03	6.91e-04
322	86	-7.70	-1.88	-0.32	0.0	-2.10e-03	7.69e-04
322	99	2.63	2.35	2.81e-03	0.0	3.63e-04	-1.00e-04
322	114	-12.78	-3.13	-0.48	0.0	-3.41e-03	1.19e-03
322	118	-12.78	-3.05	-0.48	0.0	-3.52e-03	1.28e-03
322	119	11.93	3.82	0.27	0.0	3.17e-03	-1.31e-03
322	145	-9.63e-03	0.15	-0.11	0.0	-6.66e-06	-5.65e-06
322	146	-8.76e-03	0.16	-0.11	0.0	-5.98e-06	-5.27e-06
322	151	-7.68e-03	0.13	-0.10	0.0	-5.27e-06	-4.50e-06
322	154	-6.68e-03	0.13	-0.10	0.0	-4.53e-06	-3.97e-06
322	156	-7.03e-03	0.13	-0.09	0.0	-4.80e-06	-4.12e-06
323	3	-0.02	0.34	-0.15	0.0	-6.97e-06	-1.07e-05
323	4	-0.02	0.36	-0.16	0.0	-6.05e-06	-9.77e-06
323	18	-11.93	-2.82	-0.43	0.0	-2.77e-03	1.15e-03
323	22	-11.93	-2.74	-0.43	0.0	-2.88e-03	1.24e-03
323	23	10.91	3.55	0.22	0.0	2.52e-03	-1.23e-03
323	50	-10.23	-2.49	-0.39	0.0	-2.34e-03	9.66e-04
323	54	-10.23	-2.41	-0.39	0.0	-2.46e-03	1.06e-03

323	55	8.89	3.07	0.16	0.0	2.02e-03	-9.85e-04
323	82	-8.91	-2.15	-0.35	0.0	-2.04e-03	8.38e-04
323	86	-8.91	-2.09	-0.35	0.0	-2.14e-03	9.26e-04
323	87	7.71	2.71	0.13	0.0	1.74e-03	-8.53e-04
323	114	-14.83	-3.51	-0.51	0.0	-3.46e-03	1.44e-03
323	118	-14.83	-3.42	-0.51	0.0	-3.58e-03	1.54e-03
323	119	13.84	4.38	0.31	0.0	3.22e-03	-1.57e-03
323	145	-0.01	0.24	-0.11	0.0	-4.72e-06	-7.23e-06
323	146	-0.01	0.25	-0.12	0.0	-4.11e-06	-6.64e-06
323	151	-0.01	0.21	-0.10	0.0	-3.66e-06	-5.71e-06
323	154	-8.95e-03	0.20	-0.10	0.0	-3.06e-06	-4.96e-06
323	156	-9.46e-03	0.20	-0.10	0.0	-3.31e-06	-5.20e-06
324	3	-0.02	0.48	-0.15	0.0	-3.99e-06	-1.19e-05
324	4	-0.02	0.51	-0.17	0.0	-3.21e-06	-1.07e-05
324	11	-0.01	0.47	-0.17	0.0	-1.40e-06	-6.77e-06
324	17	-13.60	-1.72	-0.43	0.0	-2.92e-03	1.43e-03
324	22	-13.60	-3.03	-0.46	0.0	-2.91e-03	1.44e-03
324	23	11.91	4.03	0.24	0.0	2.56e-03	-1.42e-03
324	49	-11.65	-1.30	-0.38	0.0	-2.49e-03	1.23e-03
324	54	-11.65	-2.66	-0.41	0.0	-2.49e-03	1.23e-03
324	55	9.55	3.49	0.18	0.0	2.04e-03	-1.13e-03
324	81	-10.14	-1.08	-0.34	0.0	-2.17e-03	1.07e-03
324	86	-10.13	-2.29	-0.37	0.0	-2.17e-03	1.07e-03
324	87	8.27	3.09	0.14	0.0	1.77e-03	-9.83e-04
324	113	-16.91	-2.27	-0.52	0.0	-3.62e-03	1.78e-03
324	118	-16.91	-3.79	-0.55	0.0	-3.62e-03	1.78e-03
324	119	15.18	4.97	0.34	0.0	3.26e-03	-1.81e-03
324	145	-0.02	0.33	-0.11	0.0	-2.67e-06	-8.05e-06
324	146	-0.01	0.35	-0.12	0.0	-2.15e-06	-7.22e-06
324	149	-8.81e-03	0.33	-0.12	0.0	0.0	-4.62e-06
324	151	-0.01	0.29	-0.10	0.0	-1.98e-06	-6.27e-06
324	154	-0.01	0.28	-0.10	0.0	-1.55e-06	-5.35e-06
324	156	-0.01	0.27	-0.10	0.0	-1.76e-06	-5.68e-06
325	3	-0.02	0.62	-0.16	0.0	-1.02e-06	-1.19e-05
325	4	-0.02	0.66	-0.17	0.0	0.0	-1.04e-05
325	11	-0.01	0.61	-0.17	0.0	0.0	-6.02e-06
325	17	-15.29	-1.87	-0.46	0.0	-2.93e-03	1.60e-03
325	22	-15.29	-3.31	-0.49	0.0	-2.82e-03	1.60e-03
325	23	13.40	4.52	0.26	0.0	2.57e-03	-1.58e-03
325	49	-13.08	-1.41	-0.40	0.0	-2.51e-03	1.37e-03
325	54	-13.08	-2.90	-0.43	0.0	-2.38e-03	1.38e-03
325	55	10.74	3.93	0.20	0.0	2.05e-03	-1.26e-03
325	81	-11.38	-1.16	-0.36	0.0	-2.18e-03	1.19e-03
325	86	-11.38	-2.49	-0.39	0.0	-2.07e-03	1.20e-03
325	87	9.29	3.47	0.16	0.0	1.78e-03	-1.09e-03
325	113	-19.01	-2.48	-0.54	0.0	-3.65e-03	1.99e-03
325	118	-19.00	-4.14	-0.58	0.0	-3.51e-03	1.99e-03
325	119	17.09	5.56	0.36	0.0	3.28e-03	-2.02e-03
325	145	-0.02	0.44	-0.11	0.0	0.0	-8.02e-06
325	146	-0.01	0.46	-0.12	0.0	0.0	-6.99e-06
325	149	-8.93e-03	0.43	-0.12	0.0	0.0	-4.09e-06
325	151	-0.01	0.38	-0.11	0.0	0.0	-6.15e-06
325	154	-0.01	0.37	-0.11	0.0	0.0	-5.11e-06
325	156	-0.01	0.36	-0.10	0.0	0.0	-5.52e-06
326	3	-0.02	0.79	-0.16	-1.76e-04	2.12e-06	-1.07e-05
326	4	-0.02	0.83	-0.17	-1.87e-04	2.47e-06	-8.96e-06
326	11	-0.01	0.77	-0.18	-1.72e-04	2.59e-06	-4.57e-06
326	17	-16.98	-2.01	-0.48	1.58e-04	-2.93e-03	1.72e-03
326	22	-16.97	-3.56	-0.51	2.04e-04	-2.93e-03	1.73e-03
326	23	14.90	5.00	0.28	-3.99e-04	2.57e-03	-1.70e-03
326	49	-14.51	-1.50	-0.42	1.16e-04	-2.51e-03	1.48e-03
326	54	-14.51	-3.11	-0.46	1.64e-04	-2.51e-03	1.48e-03
326	55	11.93	4.35	0.21	-3.48e-04	2.06e-03	-1.36e-03
326	81	-12.63	-1.23	-0.38	8.69e-05	-2.18e-03	1.28e-03
326	86	-12.62	-2.67	-0.41	1.30e-04	-2.18e-03	1.29e-03
326	87	10.32	3.85	0.17	-3.15e-04	1.78e-03	-1.18e-03
326	113	-21.11	-2.68	-0.57	2.23e-04	-3.65e-03	2.14e-03
326	118	-21.11	-4.47	-0.61	2.77e-04	-3.65e-03	2.14e-03
326	119	19.00	6.13	0.39	-4.78e-04	3.28e-03	-2.17e-03
326	145	-0.02	0.55	-0.12	-1.23e-04	1.50e-06	-7.14e-06
326	146	-0.01	0.58	-0.13	-1.30e-04	1.73e-06	-6.00e-06
326	149	-8.27e-03	0.54	-0.13	-1.20e-04	1.81e-06	-3.07e-06
326	151	-0.01	0.48	-0.11	-1.06e-04	1.35e-06	-5.36e-06
326	154	-0.01	0.46	-0.11	-1.04e-04	1.39e-06	-4.31e-06
326	156	-0.01	0.45	-0.10	-1.01e-04	1.30e-06	-4.77e-06

327	3	-5.46e-03	0.11	-0.20	0.0	-8.87e-06	-2.95e-06
327	4	-4.91e-03	0.12	-0.21	0.0	-8.02e-06	-2.70e-06
327	17	-9.06	-1.27	-0.31	0.0	-2.98e-03	7.51e-04
327	22	-9.06	-2.19	-0.32	0.0	-2.98e-03	7.52e-04
327	23	7.98	2.63	0.06	0.0	2.64e-03	-7.65e-04
327	49	-7.79	-0.97	-0.28	0.0	-2.54e-03	6.48e-04
327	54	-7.79	-1.93	-0.29	0.0	-2.54e-03	6.48e-04
327	55	6.44	2.27	0.03	0.0	2.11e-03	-6.13e-04
327	81	-6.79	-0.83	-0.26	0.0	-2.21e-03	5.64e-04
327	86	-6.79	-1.68	-0.27	0.0	-2.21e-03	5.64e-04
327	99	1.12	2.01	-0.07	0.0	4.10e-04	-5.32e-05
327	113	-11.25	-1.63	-0.35	0.0	-3.70e-03	9.32e-04
327	118	-11.25	-2.70	-0.37	0.0	-3.70e-03	9.32e-04
327	119	10.15	3.27	0.11	0.0	3.36e-03	-9.75e-04
327	145	-3.73e-03	0.08	-0.14	0.0	-6.07e-06	-1.99e-06
327	146	-3.37e-03	0.08	-0.15	0.0	-5.51e-06	-1.82e-06
327	151	-2.99e-03	0.07	-0.13	0.0	-4.86e-06	-1.55e-06
327	156	-2.74e-03	0.06	-0.12	0.0	-4.46e-06	-1.40e-06
328	3	-0.01	0.22	-0.21	0.0	-7.15e-06	-5.99e-06
328	4	-9.28e-03	0.23	-0.22	0.0	-6.39e-06	-5.49e-06
328	17	-10.77	-1.41	-0.33	0.0	-3.01e-03	9.44e-04
328	22	-10.77	-2.46	-0.35	0.0	-3.01e-03	9.45e-04
328	23	9.52	3.08	0.08	0.0	2.67e-03	-9.53e-04
328	49	-9.24	-1.08	-0.30	0.0	-2.57e-03	8.12e-04
328	54	-9.24	-2.17	-0.32	0.0	-2.57e-03	8.13e-04
328	55	7.65	2.66	0.04	0.0	2.13e-03	-7.62e-04
328	81	-8.05	-0.91	-0.28	0.0	-2.24e-03	7.06e-04
328	86	-8.05	-1.88	-0.29	0.0	-2.24e-03	7.07e-04
328	99	1.39	2.35	-0.07	0.0	4.14e-04	-7.94e-05
328	113	-13.39	-1.84	-0.39	0.0	-3.75e-03	1.17e-03
328	118	-13.39	-3.06	-0.40	0.0	-3.75e-03	1.17e-03
328	119	12.12	3.82	0.13	0.0	3.41e-03	-1.21e-03
328	145	-7.05e-03	0.15	-0.15	0.0	-4.88e-06	-4.05e-06
328	146	-6.37e-03	0.16	-0.16	0.0	-4.37e-06	-3.72e-06
328	151	-5.64e-03	0.13	-0.13	0.0	-3.87e-06	-3.18e-06
328	156	-5.17e-03	0.13	-0.13	0.0	-3.54e-06	-2.88e-06
329	3	-0.01	0.34	-0.21	0.0	-5.03e-06	-9.02e-06
329	4	-0.01	0.36	-0.23	0.0	-4.40e-06	-8.26e-06
329	17	-12.52	-1.57	-0.36	0.0	-3.06e-03	1.15e-03
329	22	-12.52	-2.74	-0.37	0.0	-3.06e-03	1.15e-03
329	23	11.08	3.55	0.09	0.0	2.71e-03	-1.15e-03
329	49	-10.72	-1.19	-0.33	0.0	-2.61e-03	9.85e-04
329	54	-10.72	-2.41	-0.34	0.0	-2.61e-03	9.86e-04
329	55	8.90	3.07	0.05	0.0	2.16e-03	-9.20e-04
329	81	-9.33	-0.99	-0.30	0.0	-2.27e-03	8.56e-04
329	86	-9.33	-2.09	-0.31	0.0	-2.27e-03	8.57e-04
329	87	7.70	2.71	0.03	0.0	1.87e-03	-7.96e-04
329	113	-15.56	-2.05	-0.42	0.0	-3.80e-03	1.42e-03
329	118	-15.56	-3.42	-0.43	0.0	-3.80e-03	1.43e-03
329	119	14.12	4.38	0.15	0.0	3.46e-03	-1.47e-03
329	145	-9.48e-03	0.24	-0.15	0.0	-3.41e-06	-6.11e-06
329	146	-8.53e-03	0.25	-0.16	0.0	-2.99e-06	-5.61e-06
329	151	-7.56e-03	0.21	-0.14	0.0	-2.67e-06	-4.81e-06
329	156	-6.92e-03	0.20	-0.13	0.0	-2.42e-06	-4.38e-06
330	3	-0.02	0.48	-0.22	0.0	-3.09e-06	-1.12e-05
330	4	-0.01	0.51	-0.24	0.0	-2.59e-06	-1.01e-05
330	17	-14.29	-1.72	-0.38	0.0	-3.08e-03	1.35e-03
330	22	-14.29	-3.03	-0.40	0.0	-3.08e-03	1.36e-03
330	23	12.67	4.03	0.11	0.0	2.73e-03	-1.35e-03
330	49	-12.23	-1.30	-0.35	0.0	-2.63e-03	1.16e-03
330	54	-12.22	-2.66	-0.36	0.0	-2.63e-03	1.16e-03
330	55	10.16	3.50	0.06	0.0	2.18e-03	-1.08e-03
330	81	-10.64	-1.08	-0.32	0.0	-2.29e-03	1.01e-03
330	86	-10.63	-2.29	-0.33	0.0	-2.29e-03	1.01e-03
330	87	8.79	3.09	0.03	0.0	1.88e-03	-9.36e-04
330	113	-17.77	-2.27	-0.44	0.0	-3.83e-03	1.68e-03
330	118	-17.77	-3.79	-0.46	0.0	-3.83e-03	1.68e-03
330	119	16.15	4.97	0.17	0.0	3.48e-03	-1.72e-03
330	145	-0.01	0.33	-0.16	0.0	-2.08e-06	-7.56e-06
330	146	-9.86e-03	0.35	-0.17	0.0	-1.75e-06	-6.85e-06
330	151	-8.75e-03	0.29	-0.14	0.0	-1.58e-06	-5.93e-06
330	156	-7.99e-03	0.27	-0.14	0.0	-1.42e-06	-5.39e-06
331	3	-0.02	0.62	-0.22	0.0	-1.38e-06	-1.18e-05
331	4	-0.02	0.66	-0.24	0.0	0.0	-1.04e-05
331	17	-16.06	-1.87	-0.40	0.0	-3.06e-03	1.55e-03

331	22	-16.06	-3.31	-0.42	0.0	-3.06e-03	1.55e-03
331	23	14.26	4.52	0.12	0.0	2.71e-03	-1.54e-03
331	49	-13.73	-1.41	-0.36	0.0	-2.62e-03	1.33e-03
331	54	-13.73	-2.90	-0.38	0.0	-2.62e-03	1.33e-03
331	55	11.42	3.93	0.07	0.0	2.16e-03	-1.23e-03
331	81	-11.94	-1.16	-0.33	0.0	-2.28e-03	1.15e-03
331	86	-11.94	-2.49	-0.35	0.0	-2.28e-03	1.15e-03
331	87	9.89	3.48	0.04	0.0	1.87e-03	-1.06e-03
331	113	-19.98	-2.48	-0.47	0.0	-3.81e-03	1.92e-03
331	118	-19.97	-4.15	-0.49	0.0	-3.81e-03	1.92e-03
331	119	18.18	5.56	0.19	0.0	3.45e-03	-1.96e-03
331	145	-0.01	0.44	-0.16	0.0	0.0	-7.96e-06
331	146	-0.01	0.46	-0.17	0.0	0.0	-7.03e-06
331	151	-9.39e-03	0.38	-0.15	0.0	0.0	-6.17e-06
331	156	-8.56e-03	0.36	-0.14	0.0	0.0	-5.58e-06
332	3	-0.02	0.79	-0.23	-1.94e-04	0.0	-1.08e-05
332	4	-0.02	0.83	-0.25	-2.05e-04	0.0	-9.13e-06
332	17	-17.81	-2.01	-0.42	4.64e-05	-3.01e-03	1.69e-03
332	22	-17.81	-3.56	-0.44	8.63e-05	-3.01e-03	1.69e-03
332	23	15.82	5.00	0.13	-3.08e-04	2.66e-03	-1.67e-03
332	49	-15.22	-1.50	-0.38	2.00e-05	-2.58e-03	1.45e-03
332	54	-15.21	-3.11	-0.40	6.15e-05	-2.58e-03	1.45e-03
332	55	12.67	4.35	0.08	-2.75e-04	2.13e-03	-1.34e-03
332	81	-13.23	-1.23	-0.35	2.49e-06	-2.24e-03	1.26e-03
332	86	-13.23	-2.67	-0.37	3.96e-05	-2.24e-03	1.26e-03
332	87	10.96	3.86	0.05	-2.54e-04	1.84e-03	-1.16e-03
332	113	-22.16	-2.68	-0.49	8.64e-05	-3.75e-03	2.10e-03
332	118	-22.15	-4.48	-0.51	1.33e-04	-3.75e-03	2.10e-03
332	119	20.17	6.13	0.20	-3.59e-04	3.39e-03	-2.14e-03
332	145	-0.01	0.55	-0.17	-1.36e-04	0.0	-7.23e-06
332	146	-0.01	0.58	-0.18	-1.43e-04	0.0	-6.15e-06
332	151	-9.50e-03	0.48	-0.15	-1.17e-04	0.0	-5.50e-06
332	154	-8.04e-03	0.46	-0.15	-1.14e-04	0.0	-4.49e-06
332	156	-8.63e-03	0.45	-0.15	-1.11e-04	0.0	-4.92e-06
333	3	-4.45e-03	0.11	-0.26	0.0	-6.93e-06	0.0
333	4	-4.03e-03	0.12	-0.27	0.0	-6.30e-06	0.0
333	17	-9.41	-1.27	-0.34	0.0	-3.12e-03	7.08e-04
333	22	-9.41	-2.19	-0.34	0.0	-3.12e-03	7.08e-04
333	23	8.38	2.63	4.92e-03	0.0	2.79e-03	-7.25e-04
333	49	-8.09	-0.97	-0.31	0.0	-2.66e-03	6.11e-04
333	54	-8.09	-1.93	-0.31	0.0	-2.66e-03	6.11e-04
333	55	6.76	2.27	-0.03	0.0	2.23e-03	-5.81e-04
333	81	-7.04	-0.83	-0.29	0.0	-2.31e-03	5.32e-04
333	86	-7.04	-1.68	-0.29	0.0	-2.31e-03	5.32e-04
333	99	1.23	2.01	-0.13	0.0	4.54e-04	-4.23e-05
333	113	-11.69	-1.63	-0.38	0.0	-3.88e-03	8.78e-04
333	118	-11.68	-2.70	-0.38	0.0	-3.88e-03	8.78e-04
333	119	10.67	3.27	0.05	0.0	3.56e-03	-9.24e-04
333	145	-3.07e-03	0.08	-0.18	0.0	-4.77e-06	0.0
333	146	-2.79e-03	0.08	-0.19	0.0	-4.35e-06	0.0
333	151	-2.50e-03	0.07	-0.16	0.0	-3.87e-06	0.0
333	156	-2.31e-03	0.06	-0.16	0.0	-3.57e-06	0.0
334	3	-7.85e-03	0.22	-0.27	0.0	-4.46e-06	-3.77e-06
334	4	-7.07e-03	0.23	-0.29	0.0	-3.91e-06	-3.35e-06
334	17	-11.21	-1.41	-0.37	0.0	-3.17e-03	8.68e-04
334	22	-11.20	-2.46	-0.37	0.0	-3.17e-03	8.68e-04
334	23	10.01	3.08	0.01	0.0	2.84e-03	-8.84e-04
334	49	-9.61	-1.08	-0.34	0.0	-2.71e-03	7.48e-04
334	54	-9.61	-2.17	-0.34	0.0	-2.71e-03	7.48e-04
334	55	8.05	2.66	-0.02	0.0	2.27e-03	-7.07e-04
334	81	-8.36	-0.91	-0.31	0.0	-2.35e-03	6.51e-04
334	86	-8.36	-1.88	-0.31	0.0	-2.35e-03	6.51e-04
334	99	1.53	2.35	-0.14	0.0	4.62e-04	-6.14e-05
334	113	-13.93	-1.84	-0.41	0.0	-3.95e-03	1.08e-03
334	118	-13.93	-3.06	-0.41	0.0	-3.95e-03	1.08e-03
334	119	12.75	3.82	0.06	0.0	3.63e-03	-1.13e-03
334	145	-5.40e-03	0.15	-0.19	0.0	-3.05e-06	-2.52e-06
334	146	-4.88e-03	0.16	-0.20	0.0	-2.68e-06	-2.24e-06
334	151	-4.37e-03	0.13	-0.17	0.0	-2.42e-06	-1.91e-06
334	156	-4.03e-03	0.13	-0.17	0.0	-2.21e-06	-1.71e-06
335	3	-9.60e-03	0.34	-0.28	0.0	-2.41e-06	-7.31e-06
335	4	-8.53e-03	0.36	-0.30	0.0	-2.01e-06	-6.72e-06
335	17	-13.05	-1.57	-0.39	0.0	-3.23e-03	1.05e-03
335	22	-13.05	-2.74	-0.39	0.0	-3.23e-03	1.05e-03
335	23	11.68	3.55	0.02	0.0	2.90e-03	-1.07e-03

335	49	-11.17	-1.19	-0.36	0.0	-2.76e-03	9.04e-04
335	54	-11.17	-2.42	-0.36	0.0	-2.76e-03	9.05e-04
335	55	9.38	3.07	-0.02	0.0	-2.32e-03	-8.52e-04
335	81	-9.72	-0.99	-0.34	0.0	-2.40e-03	7.87e-04
335	86	-9.72	-2.09	-0.34	0.0	-2.40e-03	7.87e-04
335	87	8.12	2.71	-0.04	0.0	2.00e-03	-7.38e-04
335	113	-16.23	-2.05	-0.45	0.0	-4.02e-03	1.31e-03
335	118	-16.22	-3.42	-0.45	0.0	-4.02e-03	1.31e-03
335	119	14.89	4.38	0.08	0.0	3.69e-03	-1.36e-03
335	145	-6.59e-03	0.24	-0.20	0.0	-1.63e-06	-4.95e-06
335	146	-5.87e-03	0.25	-0.21	0.0	-1.36e-06	-4.56e-06
335	151	-5.28e-03	0.21	-0.18	0.0	-1.24e-06	-3.90e-06
335	156	-4.85e-03	0.20	-0.17	0.0	-1.11e-06	-3.55e-06
336	3	-0.01	0.48	-0.29	0.0	-1.55e-06	-1.01e-05
336	4	-9.21e-03	0.50	-0.31	0.0	-1.32e-06	-9.25e-06
336	17	-14.93	-1.72	-0.42	0.0	-3.26e-03	1.25e-03
336	22	-14.92	-3.03	-0.42	0.0	-3.26e-03	1.25e-03
336	23	13.39	4.03	0.03	0.0	2.91e-03	-1.26e-03
336	49	-12.76	-1.30	-0.38	0.0	-2.78e-03	1.08e-03
336	54	-12.76	-2.66	-0.38	0.0	-2.78e-03	1.08e-03
336	55	10.74	3.50	-0.01	0.0	2.33e-03	-1.01e-03
336	81	-11.10	-1.08	-0.36	0.0	-2.42e-03	9.37e-04
336	86	-11.10	-2.29	-0.36	0.0	-2.42e-03	9.37e-04
336	87	9.29	3.09	-0.03	0.0	2.02e-03	-8.74e-04
336	113	-18.57	-2.27	-0.47	0.0	-4.05e-03	1.56e-03
336	118	-18.56	-3.79	-0.47	0.0	-4.05e-03	1.56e-03
336	119	17.06	4.97	0.09	0.0	3.72e-03	-1.61e-03
336	145	-7.15e-03	0.33	-0.21	0.0	-1.04e-06	-6.85e-06
336	146	-6.32e-03	0.35	-0.22	0.0	0.0	-6.30e-06
336	151	-5.69e-03	0.29	-0.19	0.0	0.0	-5.42e-06
336	156	-5.21e-03	0.27	-0.18	0.0	0.0	-4.95e-06
337	3	-0.01	0.62	-0.30	0.0	-1.50e-06	-1.12e-05
337	4	-9.94e-03	0.66	-0.32	0.0	-1.35e-06	-1.00e-05
337	17	-16.80	-1.88	-0.44	0.0	-3.21e-03	1.46e-03
337	22	-16.80	-3.31	-0.44	0.0	-3.21e-03	1.46e-03
337	23	15.09	4.52	0.04	0.0	2.86e-03	-1.47e-03
337	49	-14.35	-1.41	-0.40	0.0	-2.75e-03	1.26e-03
337	54	-14.35	-2.90	-0.40	0.0	-2.75e-03	1.26e-03
337	55	12.09	3.93	-6.91e-03	0.0	2.29e-03	-1.17e-03
337	81	-12.48	-1.16	-0.37	0.0	-2.39e-03	1.09e-03
337	86	-12.48	-2.49	-0.37	0.0	-2.39e-03	1.09e-03
337	87	10.46	3.48	-0.03	0.0	1.98e-03	-1.01e-03
337	113	-20.90	-2.48	-0.50	0.0	-4.00e-03	1.82e-03
337	118	-20.90	-4.15	-0.50	0.0	-4.00e-03	1.82e-03
337	119	19.23	5.56	0.10	0.0	3.65e-03	-1.87e-03
337	145	-7.69e-03	0.44	-0.22	0.0	-1.01e-06	-7.60e-06
337	146	-6.81e-03	0.46	-0.23	0.0	0.0	-6.83e-06
337	151	-6.11e-03	0.38	-0.19	0.0	0.0	-5.97e-06
337	156	-5.58e-03	0.36	-0.19	0.0	0.0	-5.43e-06
338	3	-0.01	0.79	-0.31	-2.33e-04	-1.40e-06	-1.03e-05
338	4	-0.01	0.83	-0.33	-2.46e-04	-1.11e-06	-8.84e-06
338	17	-18.63	-2.01	-0.46	-5.63e-05	-3.09e-03	1.64e-03
338	22	-18.62	-3.56	-0.46	-1.89e-05	-3.09e-03	1.64e-03
338	23	16.73	5.00	0.04	-2.55e-04	2.74e-03	-1.64e-03
338	49	-15.90	-1.50	-0.42	-7.02e-05	-2.65e-03	1.41e-03
338	54	-15.89	-3.12	-0.42	-3.12e-05	-2.65e-03	1.41e-03
338	55	13.40	4.35	-3.22e-03	-2.38e-04	2.20e-03	-1.31e-03
338	81	-13.82	-1.23	-0.39	-7.88e-05	-2.31e-03	1.23e-03
338	86	-13.82	-2.67	-0.39	-4.39e-05	-2.31e-03	1.23e-03
338	87	11.59	3.86	-0.03	-2.24e-04	1.90e-03	-1.13e-03
338	113	-23.17	-2.68	-0.52	-3.61e-05	-3.85e-03	2.04e-03
338	118	-23.17	-4.48	-0.52	7.43e-06	-3.85e-03	2.04e-03
338	119	21.33	6.13	0.11	-2.85e-04	3.50e-03	-2.09e-03
338	145	-8.32e-03	0.55	-0.22	-1.63e-04	0.0	-6.98e-06
338	146	-7.39e-03	0.58	-0.24	-1.71e-04	0.0	-5.98e-06
338	151	-6.61e-03	0.48	-0.20	-1.41e-04	0.0	-5.37e-06
338	156	-6.04e-03	0.45	-0.19	-1.34e-04	0.0	-4.83e-06
339	3	-4.72e-03	0.11	-0.33	0.0	-5.73e-06	0.0
339	4	-4.45e-03	0.11	-0.35	0.0	-5.27e-06	0.0
339	17	-9.74	-1.27	-0.43	0.0	-3.23e-03	6.83e-04
339	23	8.76	2.63	-4.34e-03	0.0	2.91e-03	-7.01e-04
339	49	-8.36	-0.98	-0.40	0.0	-2.75e-03	5.90e-04
339	55	7.06	2.27	-0.04	0.0	2.33e-03	-5.63e-04
339	81	-7.28	-0.83	-0.37	0.0	-2.39e-03	5.14e-04
339	99	1.34	2.01	-0.18	0.0	4.92e-04	-3.62e-05

339	113	-12.10	-1.63	-0.48	0.0	-4.01e-03	8.46e-04
339	119	11.15	3.27	0.05	0.0	3.72e-03	-8.94e-04
339	145	-3.29e-03	0.08	-0.24	0.0	-3.98e-06	0.0
339	146	-3.11e-03	0.08	-0.25	0.0	-3.67e-06	0.0
339	151	-2.76e-03	0.07	-0.21	0.0	-3.29e-06	0.0
339	156	-2.59e-03	0.06	-0.20	0.0	-3.06e-06	0.0
340	3	-6.64e-03	0.22	-0.35	0.0	-1.58e-06	-2.36e-06
340	4	-6.07e-03	0.23	-0.38	0.0	-1.13e-06	-2.00e-06
340	17	-11.60	-1.42	-0.46	0.0	-3.31e-03	8.27e-04
340	23	10.47	3.08	-2.27e-03	0.0	2.99e-03	-8.48e-04
340	49	-9.94	-1.08	-0.43	0.0	-2.82e-03	7.13e-04
340	55	8.42	2.66	-0.05	0.0	2.39e-03	-6.79e-04
340	81	-8.65	-0.91	-0.40	0.0	-2.45e-03	6.21e-04
340	99	1.66	2.35	-0.19	0.0	5.04e-04	-5.32e-05
340	113	-14.42	-1.84	-0.52	0.0	-4.12e-03	1.03e-03
340	119	13.34	3.81	0.06	0.0	3.81e-03	-1.08e-03
340	145	-4.61e-03	0.15	-0.25	0.0	-1.07e-06	-1.56e-06
340	146	-4.23e-03	0.16	-0.27	0.0	0.0	-1.32e-06
340	151	-3.81e-03	0.13	-0.22	0.0	0.0	-1.14e-06
340	156	-3.55e-03	0.13	-0.21	0.0	0.0	-1.01e-06
341	3	-6.21e-03	0.34	-0.37	0.0	0.0	-5.72e-06
341	4	-5.38e-03	0.36	-0.40	0.0	0.0	-5.29e-06
341	17	-13.53	-1.57	-0.49	0.0	-3.39e-03	9.86e-04
341	23	12.24	3.55	1.33e-03	0.0	3.07e-03	-1.01e-03
341	49	-11.57	-1.19	-0.45	0.0	-2.89e-03	8.49e-04
341	55	9.83	3.07	-0.04	0.0	2.45e-03	-8.06e-04
341	81	-10.06	-0.99	-0.42	0.0	-2.51e-03	7.39e-04
341	87	8.51	2.71	-0.07	0.0	2.12e-03	-6.98e-04
341	113	-16.82	-2.05	-0.55	0.0	-4.22e-03	1.22e-03
341	119	15.60	4.38	0.06	0.0	3.91e-03	-1.28e-03
341	145	-4.29e-03	0.24	-0.26	0.0	0.0	-3.88e-06
341	146	-3.74e-03	0.25	-0.28	0.0	0.0	-3.60e-06
341	151	-3.47e-03	0.21	-0.23	0.0	0.0	-3.08e-06
341	156	-3.19e-03	0.20	-0.23	0.0	0.0	-2.81e-06
342	3	-5.33e-03	0.48	-0.39	0.0	0.0	-8.24e-06
342	4	-4.43e-03	0.50	-0.41	0.0	0.0	-7.68e-06
342	17	-15.50	-1.73	-0.52	0.0	-3.44e-03	1.15e-03
342	23	14.05	4.03	5.17e-03	0.0	3.10e-03	-1.17e-03
342	49	-13.24	-1.30	-0.48	0.0	-2.93e-03	9.93e-04
342	55	11.27	3.50	-0.04	0.0	2.48e-03	-9.39e-04
342	81	-11.51	-1.08	-0.44	0.0	-2.55e-03	8.64e-04
342	87	9.76	3.09	-0.07	0.0	2.15e-03	-8.13e-04
342	113	-19.28	-2.27	-0.58	0.0	-4.28e-03	1.43e-03
342	119	17.91	4.97	0.07	0.0	3.96e-03	-1.50e-03
342	145	-3.66e-03	0.33	-0.28	0.0	0.0	-5.62e-06
342	146	-3.06e-03	0.35	-0.29	0.0	0.0	-5.24e-06
342	151	-2.90e-03	0.29	-0.25	0.0	0.0	-4.50e-06
342	156	-2.65e-03	0.27	-0.23	0.0	0.0	-4.12e-06
343	3	-5.38e-03	0.62	-0.40	0.0	-1.42e-06	-9.67e-06
343	4	-4.60e-03	0.66	-0.43	0.0	-1.56e-06	-8.84e-06
343	17	-17.49	-1.88	-0.54	0.0	-3.38e-03	1.34e-03
343	23	15.88	4.52	9.15e-03	0.0	3.04e-03	-1.36e-03
343	49	-14.92	-1.41	-0.50	0.0	-2.89e-03	1.15e-03
343	55	12.72	3.93	-0.04	0.0	2.43e-03	-1.08e-03
343	81	-12.98	-1.16	-0.46	0.0	-2.51e-03	1.00e-03
343	87	11.01	3.48	-0.07	0.0	2.10e-03	-9.39e-04
343	113	-21.76	-2.48	-0.61	0.0	-4.20e-03	1.66e-03
343	119	20.23	5.56	0.08	0.0	3.88e-03	-1.73e-03
343	145	-3.69e-03	0.44	-0.29	0.0	0.0	-6.59e-06
343	146	-3.17e-03	0.46	-0.30	0.0	-1.07e-06	-6.04e-06
343	151	-2.94e-03	0.38	-0.25	0.0	0.0	-5.25e-06
343	156	-2.69e-03	0.36	-0.24	0.0	0.0	-4.80e-06
344	3	-6.86e-03	0.79	-0.42	-2.97e-04	-3.60e-06	-9.30e-06
344	4	-6.24e-03	0.83	-0.44	-3.13e-04	-3.35e-06	-8.03e-06
344	17	-19.41	-2.01	-0.56	-1.26e-04	-3.19e-03	1.57e-03
344	23	17.62	5.00	0.01	-2.66e-04	2.84e-03	-1.58e-03
344	49	-16.55	-1.51	-0.52	-1.35e-04	-2.73e-03	1.35e-03
344	55	14.11	4.35	-0.04	-2.56e-04	2.27e-03	-1.26e-03
344	81	-14.39	-1.23	-0.49	-1.39e-04	-2.38e-03	1.18e-03
344	87	12.21	3.86	-0.07	-2.46e-04	1.97e-03	-1.09e-03
344	113	-24.15	-2.68	-0.64	-1.15e-04	-3.96e-03	1.95e-03
344	119	22.46	6.14	0.09	-2.89e-04	3.62e-03	-2.01e-03
344	145	-4.72e-03	0.55	-0.30	-2.08e-04	-2.47e-06	-6.31e-06
344	146	-4.31e-03	0.58	-0.31	-2.18e-04	-2.31e-06	-5.46e-06
344	151	-3.83e-03	0.48	-0.26	-1.80e-04	-2.00e-06	-4.92e-06

344	156	-3.53e-03	0.45	-0.25	-1.70e-04	-1.85e-06	-4.46e-06
345	3	-7.25e-03	0.11	-0.44	0.0	-4.27e-06	-1.37e-06
345	4	-7.20e-03	0.11	-0.47	0.0	-3.90e-06	-1.21e-06
345	17	-10.06	-1.27	-0.64	0.0	-3.33e-03	7.11e-04
345	23	9.13	2.63	0.05	0.0	3.03e-03	-7.31e-04
345	49	-8.63	-0.98	-0.59	0.0	-2.83e-03	6.13e-04
345	55	7.36	2.27	-0.01	0.0	2.42e-03	-5.86e-04
345	81	-7.52	-0.83	-0.54	0.0	-2.46e-03	5.34e-04
345	99	1.43	2.00	-0.24	0.0	5.27e-04	-4.58e-05
345	113	-12.50	-1.63	-0.73	0.0	-4.14e-03	8.82e-04
345	119	11.62	3.27	0.14	0.0	3.87e-03	-9.33e-04
345	145	-5.10e-03	0.07	-0.31	0.0	-2.98e-06	0.0
345	146	-5.07e-03	0.08	-0.33	0.0	-2.73e-06	0.0
345	151	-4.40e-03	0.06	-0.28	0.0	-2.48e-06	0.0
345	156	-4.17e-03	0.06	-0.26	0.0	-2.32e-06	0.0
346	3	-6.21e-03	0.22	-0.47	0.0	1.23e-06	-2.85e-06
346	4	-5.80e-03	0.23	-0.50	0.0	1.64e-06	-2.57e-06
346	17	-11.99	-1.42	-0.68	0.0	-3.43e-03	8.50e-04
346	23	10.93	3.08	0.06	0.0	3.13e-03	-8.71e-04
346	49	-10.26	-1.08	-0.63	0.0	-2.92e-03	7.32e-04
346	55	8.78	2.66	-0.01	0.0	2.50e-03	-6.97e-04
346	81	-8.93	-0.91	-0.58	0.0	-2.54e-03	6.37e-04
346	99	1.79	2.35	-0.26	0.0	5.41e-04	-6.24e-05
346	113	-14.91	-1.84	-0.78	0.0	-4.27e-03	1.05e-03
346	119	13.91	3.81	0.15	0.0	3.99e-03	-1.11e-03
346	145	-4.35e-03	0.15	-0.33	0.0	0.0	-1.94e-06
346	146	-4.08e-03	0.16	-0.35	0.0	1.16e-06	-1.75e-06
346	151	-3.68e-03	0.13	-0.29	0.0	0.0	-1.53e-06
346	156	-3.45e-03	0.13	-0.28	0.0	0.0	-1.39e-06
347	3	-3.41e-03	0.34	-0.49	0.0	3.09e-06	-4.05e-06
347	4	-2.73e-03	0.36	-0.52	0.0	3.31e-06	-3.66e-06
347	17	-13.98	-1.57	-0.72	0.0	-3.52e-03	9.82e-04
347	23	12.78	3.55	0.06	0.0	3.21e-03	-1.00e-03
347	49	-11.95	-1.19	-0.66	0.0	-3.00e-03	8.46e-04
347	55	10.26	3.07	-0.02	0.0	2.57e-03	-8.04e-04
347	81	-10.39	-0.99	-0.61	0.0	-2.61e-03	7.36e-04
347	87	8.88	2.70	-0.05	0.0	2.22e-03	-6.96e-04
347	113	-17.40	-2.05	-0.82	0.0	-4.38e-03	1.22e-03
347	119	16.28	4.38	0.15	0.0	4.09e-03	-1.28e-03
347	145	-2.37e-03	0.24	-0.35	0.0	2.18e-06	-2.75e-06
347	146	-1.92e-03	0.25	-0.37	0.0	2.32e-06	-2.50e-06
347	151	-1.93e-03	0.21	-0.31	0.0	1.91e-06	-2.18e-06
347	156	-1.78e-03	0.20	-0.29	0.0	1.82e-06	-1.99e-06
348	4	-3.20e-04	0.50	-0.55	0.0	1.98e-06	-4.41e-06
348	9	1.51e-03	0.31	-0.36	0.0	0.0	0.0
348	17	-16.02	-1.73	-0.74	0.0	-3.57e-03	1.10e-03
348	23	14.67	4.03	0.05	0.0	3.25e-03	-1.12e-03
348	49	-13.67	-1.30	-0.67	0.0	-3.05e-03	9.44e-04
348	55	11.76	3.50	-0.03	0.0	2.60e-03	-8.96e-04
348	81	-11.89	-1.08	-0.63	0.0	-2.65e-03	8.22e-04
348	87	10.18	3.09	-0.06	0.0	2.25e-03	-7.76e-04
348	113	-19.94	-2.27	-0.84	0.0	-4.44e-03	1.36e-03
348	119	18.69	4.97	0.15	0.0	4.14e-03	-1.43e-03
348	146	-2.37e-04	0.35	-0.39	0.0	1.39e-06	-3.01e-06
348	147	9.86e-04	0.22	-0.26	0.0	0.0	0.0
348	151	-5.15e-04	0.29	-0.32	0.0	1.23e-06	-2.63e-06
348	156	-4.42e-04	0.27	-0.31	0.0	1.16e-06	-2.40e-06
349	4	4.46e-04	0.66	-0.57	0.0	0.0	-4.83e-06
349	9	1.39e-03	0.40	-0.38	0.0	-1.45e-06	0.0
349	16	18.09	2.59	0.10	0.0	3.57e-03	-1.25e-03
349	17	-18.09	-1.88	-0.75	0.0	-3.57e-03	1.25e-03
349	23	16.58	4.53	0.03	0.0	3.24e-03	-1.27e-03
349	48	15.42	2.13	0.04	0.0	3.05e-03	-1.08e-03
349	49	-15.42	-1.41	-0.69	0.0	-3.05e-03	1.07e-03
349	55	13.29	3.93	-0.05	0.0	2.59e-03	-1.01e-03
349	80	13.41	1.88	-6.29e-03	0.0	2.65e-03	-9.40e-04
349	81	-13.41	-1.16	-0.64	0.0	-2.65e-03	9.34e-04
349	87	11.50	3.48	-0.08	0.0	2.24e-03	-8.78e-04
349	112	22.52	3.20	0.20	0.0	4.44e-03	-1.55e-03
349	113	-22.52	-2.49	-0.85	0.0	-4.44e-03	1.54e-03
349	119	21.13	5.57	0.12	0.0	4.13e-03	-1.61e-03
349	146	2.95e-04	0.46	-0.41	0.0	0.0	-3.31e-06
349	147	9.23e-04	0.29	-0.28	0.0	0.0	0.0
349	151	9.94e-06	0.38	-0.34	0.0	0.0	-2.89e-06
349	152	3.40e-04	0.25	-0.24	0.0	0.0	-1.12e-06

349	155	1.95e-04	0.24	-0.23	0.0	0.0	-1.23e-06
349	156	3.64e-05	0.36	-0.32	0.0	0.0	-2.65e-06
350	3	-2.25e-03	0.79	-0.58	-3.83e-04	-6.54e-06	-6.25e-06
350	4	-2.23e-03	0.83	-0.61	-4.03e-04	-6.05e-06	-5.65e-06
350	17	-20.15	-2.02	-0.75	-1.32e-04	-3.14e-03	1.40e-03
350	23	18.48	5.01	-0.01	-3.66e-04	2.80e-03	-1.42e-03
350	49	-17.17	-1.51	-0.70	-1.47e-04	-2.69e-03	1.20e-03
350	55	14.80	4.36	-0.08	-3.48e-04	2.24e-03	-1.13e-03
350	81	-14.93	-1.23	-0.65	-1.56e-04	-2.34e-03	1.05e-03
350	87	12.81	3.86	-0.12	-3.32e-04	1.94e-03	-9.83e-04
350	113	-25.08	-2.68	-0.85	-1.09e-04	-3.90e-03	1.73e-03
350	119	23.55	6.14	0.08	-4.02e-04	3.56e-03	-1.81e-03
350	145	-1.58e-03	0.55	-0.41	-2.68e-04	-4.50e-06	-4.30e-06
350	146	-1.57e-03	0.58	-0.43	-2.82e-04	-4.17e-06	-3.90e-06
350	151	-1.36e-03	0.48	-0.36	-2.32e-04	-3.67e-06	-3.47e-06
350	156	-1.29e-03	0.45	-0.34	-2.19e-04	-3.39e-06	-3.19e-06
351	3	-3.09e-03	0.11	-0.76	0.0	-2.87e-06	-3.45e-06
351	4	-2.99e-03	0.11	-0.80	0.0	-2.65e-06	-3.40e-06
351	17	-10.47	-1.27	-0.65	0.0	-3.48e-03	7.46e-04
351	23	9.60	2.63	-0.34	0.0	3.20e-03	-7.68e-04
351	49	-8.98	-0.98	-0.63	0.0	-2.97e-03	6.43e-04
351	55	7.73	2.27	-0.36	0.0	2.56e-03	-6.15e-04
351	81	-7.82	-0.83	-0.61	0.0	-2.58e-03	5.59e-04
351	99	1.54	2.00	-0.52	0.0	5.65e-04	-5.74e-05
351	113	-13.01	-1.63	-0.70	0.0	-4.33e-03	9.26e-04
351	119	12.22	3.27	-0.31	0.0	4.08e-03	-9.79e-04
351	145	-2.18e-03	0.07	-0.53	0.0	-2.03e-06	-2.41e-06
351	146	-2.11e-03	0.08	-0.56	0.0	-1.88e-06	-2.37e-06
351	151	-1.89e-03	0.06	-0.47	0.0	-1.74e-06	-2.05e-06
351	156	-1.79e-03	0.06	-0.44	0.0	-1.64e-06	-1.93e-06
352	3	-3.49e-03	0.22	-0.78	0.0	0.0	-3.62e-06
352	4	-3.22e-03	0.23	-0.83	0.0	0.0	-3.39e-06
352	17	-12.47	-1.42	-0.68	0.0	-3.55e-03	8.87e-04
352	23	11.47	3.08	-0.34	0.0	3.26e-03	-9.08e-04
352	49	-10.67	-1.08	-0.65	0.0	-3.02e-03	7.63e-04
352	55	9.22	2.66	-0.37	0.0	2.61e-03	-7.26e-04
352	81	-9.28	-0.91	-0.63	0.0	-2.63e-03	6.64e-04
352	99	1.93	2.34	-0.54	0.0	5.72e-04	-7.54e-05
352	113	-15.51	-1.84	-0.73	0.0	-4.42e-03	1.10e-03
352	119	14.61	3.81	-0.31	0.0	4.15e-03	-1.16e-03
352	145	-2.47e-03	0.15	-0.55	0.0	0.0	-2.50e-06
352	146	-2.29e-03	0.16	-0.58	0.0	0.0	-2.35e-06
352	151	-2.12e-03	0.13	-0.48	0.0	0.0	-2.07e-06
352	156	-2.01e-03	0.12	-0.46	0.0	0.0	-1.92e-06
353	3	-1.91e-03	0.34	-0.80	0.0	2.33e-06	-2.64e-06
353	4	-1.50e-03	0.36	-0.85	0.0	2.45e-06	-2.27e-06
353	17	-14.52	-1.57	-0.70	0.0	-3.61e-03	9.96e-04
353	23	13.39	3.55	-0.34	0.0	3.31e-03	-1.02e-03
353	49	-12.40	-1.19	-0.68	0.0	-3.08e-03	8.58e-04
353	55	10.75	3.07	-0.37	0.0	2.65e-03	-8.14e-04
353	81	-10.78	-1.00	-0.65	0.0	-2.68e-03	7.47e-04
353	87	9.31	2.70	-0.39	0.0	2.30e-03	-7.05e-04
353	113	-18.07	-2.05	-0.76	0.0	-4.50e-03	1.24e-03
353	119	17.06	4.38	-0.30	0.0	4.22e-03	-1.30e-03
353	145	-1.36e-03	0.24	-0.57	0.0	1.63e-06	-1.81e-06
353	146	-1.09e-03	0.25	-0.60	0.0	1.71e-06	-1.56e-06
353	151	-1.15e-03	0.21	-0.50	0.0	1.42e-06	-1.43e-06
353	156	-1.08e-03	0.20	-0.47	0.0	1.34e-06	-1.30e-06
354	4	1.82e-04	0.50	-0.87	0.0	1.59e-06	-1.34e-06
354	9	8.25e-04	0.31	-0.56	0.0	0.0	0.0
354	17	-16.60	-1.73	-0.73	0.0	-3.65e-03	1.08e-03
354	23	15.34	4.03	-0.34	0.0	3.34e-03	-1.11e-03
354	49	-14.16	-1.30	-0.70	0.0	-3.11e-03	9.34e-04
354	55	12.30	3.49	-0.38	0.0	2.67e-03	-8.85e-04
354	81	-12.31	-1.08	-0.67	0.0	-2.71e-03	8.13e-04
354	87	10.65	3.09	-0.39	0.0	2.31e-03	-7.67e-04
354	113	-20.67	-2.27	-0.78	0.0	-4.54e-03	1.34e-03
354	119	19.55	4.97	-0.30	0.0	4.26e-03	-1.41e-03
354	146	9.03e-05	0.35	-0.61	0.0	1.12e-06	0.0
354	147	5.19e-04	0.22	-0.40	0.0	0.0	0.0
354	151	-1.49e-04	0.29	-0.51	0.0	1.02e-06	0.0
354	156	-1.34e-04	0.27	-0.48	0.0	0.0	0.0
355	4	5.28e-04	0.66	-0.90	0.0	0.0	0.0
355	11	8.05e-04	0.60	-0.83	0.0	0.0	0.0
355	16	18.70	2.59	-0.25	0.0	3.66e-03	-1.16e-03

355	17	-18.70	-1.88	-0.75	0.0	-3.66e-03	1.16e-03
355	23	17.30	4.53	-0.35	0.0	3.34e-03	-1.18e-03
355	48	15.93	2.13	-0.28	0.0	3.12e-03	-1.00e-03
355	49	-15.93	-1.42	-0.72	0.0	-3.12e-03	9.98e-04
355	55	13.87	3.93	-0.38	0.0	2.67e-03	-9.47e-04
355	80	13.85	1.88	-0.31	0.0	2.71e-03	-8.71e-04
355	81	-13.85	-1.17	-0.69	0.0	-2.71e-03	8.70e-04
355	87	12.00	3.48	-0.40	0.0	2.31e-03	-8.20e-04
355	112	23.28	3.20	-0.19	0.0	4.55e-03	-1.43e-03
355	113	-23.28	-2.49	-0.81	0.0	-4.55e-03	1.43e-03
355	119	22.04	5.57	-0.31	0.0	4.26e-03	-1.51e-03
355	146	3.45e-04	0.46	-0.63	0.0	0.0	0.0
355	149	5.29e-04	0.42	-0.59	0.0	0.0	0.0
355	151	1.40e-04	0.38	-0.52	0.0	0.0	0.0
355	154	2.14e-04	0.37	-0.51	0.0	0.0	0.0
355	156	1.36e-04	0.36	-0.50	0.0	0.0	0.0
356	3	-2.06e-04	0.79	-0.89	-4.33e-04	-6.43e-06	-1.91e-06
356	4	-1.53e-04	0.83	-0.95	-4.57e-04	-5.75e-06	-1.93e-06
356	17	-20.79	-2.02	-0.79	-9.09e-05	-3.06e-03	1.21e-03
356	23	19.24	5.01	-0.37	-4.72e-04	2.72e-03	-1.24e-03
356	49	-17.70	-1.51	-0.76	-1.16e-04	-2.64e-03	1.05e-03
356	55	15.42	4.36	-0.40	-4.41e-04	2.18e-03	-1.00e-03
356	81	-15.39	-1.23	-0.73	-1.34e-04	-2.30e-03	9.15e-04
356	87	13.34	3.86	-0.42	-4.17e-04	1.89e-03	-8.66e-04
356	113	-25.89	-2.68	-0.85	-5.12e-05	-3.80e-03	1.51e-03
356	119	24.52	6.15	-0.32	-5.28e-04	3.46e-03	-1.59e-03
356	145	-1.42e-04	0.55	-0.63	-3.03e-04	-4.44e-06	-1.34e-06
356	146	-1.06e-04	0.58	-0.66	-3.19e-04	-3.98e-06	-1.35e-06
356	151	-1.10e-04	0.48	-0.55	-2.62e-04	-3.61e-06	-1.16e-06
356	156	-1.00e-04	0.45	-0.53	-2.48e-04	-3.33e-06	-1.10e-06
357	3	-1.32e-03	0.10	-1.13	0.0	-1.18e-06	-2.43e-06
357	4	-1.24e-03	0.11	-1.19	0.0	-1.04e-06	-2.36e-06
357	17	-10.84	-1.27	-0.82	0.0	-3.63e-03	7.35e-04
357	23	10.01	2.63	-0.62	0.0	3.35e-03	-7.57e-04
357	33	-3.74	1.13	-0.87	0.0	-1.19e-03	3.25e-04
357	49	-9.29	-0.98	-0.81	0.0	-3.09e-03	6.33e-04
357	55	8.06	2.27	-0.62	0.0	2.68e-03	-6.07e-04
357	65	-3.31	1.28	-0.87	0.0	-1.04e-03	3.05e-04
357	81	-8.09	-0.83	-0.79	0.0	-2.69e-03	5.51e-04
357	97	-2.89	1.16	-0.85	0.0	-9.04e-04	2.68e-04
357	99	1.63	2.00	-0.80	0.0	5.97e-04	-5.51e-05
357	113	-13.47	-1.63	-0.85	0.0	-4.51e-03	9.12e-04
357	119	12.74	3.27	-0.61	0.0	4.27e-03	-9.66e-04
357	129	-4.61	1.27	-0.90	0.0	-1.48e-03	3.92e-04
357	145	-9.45e-04	0.07	-0.79	0.0	0.0	-1.71e-06
357	146	-8.94e-04	0.08	-0.84	0.0	0.0	-1.66e-06
357	151	-8.30e-04	0.06	-0.69	0.0	0.0	-1.45e-06
357	156	-7.92e-04	0.06	-0.66	0.0	0.0	-1.37e-06
358	4	-6.79e-05	0.01	-1.20	-3.90e-04	-2.00e-06	0.0
358	17	-8.79	-1.12	-0.82	-9.82e-05	-3.61e-03	5.68e-04
358	23	8.08	2.21	-0.62	-3.78e-04	3.33e-03	-5.87e-04
358	33	-3.14	0.94	-0.87	-2.47e-04	-1.19e-03	2.69e-04
358	49	-7.57	-0.87	-0.81	-1.17e-04	-3.08e-03	4.93e-04
358	55	6.53	1.91	-0.62	-3.56e-04	2.67e-03	-4.74e-04
358	65	-2.81	1.06	-0.88	-2.56e-04	-1.03e-03	2.57e-04
358	81	-6.60	-0.75	-0.80	-1.29e-04	-2.67e-03	4.29e-04
358	97	-2.46	0.96	-0.85	-2.52e-04	-8.99e-04	2.26e-04
358	99	1.21	1.68	-0.80	-3.15e-04	5.96e-04	-2.60e-05
358	113	-10.92	-1.43	-0.85	-6.93e-05	-4.49e-03	7.03e-04
358	119	10.27	2.76	-0.61	-4.20e-04	4.25e-03	-7.48e-04
358	129	-3.85	1.05	-0.91	-2.50e-04	-1.47e-03	3.22e-04
358	146	-4.79e-05	7.85e-03	-0.84	-2.72e-04	-1.43e-06	0.0
358	151	-4.00e-05	6.06e-03	-0.70	-2.24e-04	-1.34e-06	0.0
358	154	-3.92e-05	6.08e-03	-0.68	-2.18e-04	-1.24e-06	0.0
358	156	-3.82e-05	5.75e-03	-0.66	-2.12e-04	-1.27e-06	0.0
359	3	-1.53e-03	0.22	-1.13	0.0	0.0	-2.96e-06
359	4	-1.37e-03	0.23	-1.19	0.0	0.0	-2.77e-06
359	17	-12.91	-1.42	-0.82	0.0	-3.66e-03	8.79e-04
359	23	11.96	3.08	-0.62	0.0	3.37e-03	-9.01e-04
359	33	-4.35	1.34	-0.87	0.0	-1.21e-03	3.78e-04
359	49	-11.03	-1.08	-0.81	0.0	-3.12e-03	7.56e-04
359	55	9.61	2.66	-0.62	0.0	2.70e-03	-7.21e-04
359	65	-3.81	1.50	-0.87	0.0	-1.05e-03	3.52e-04
359	81	-9.60	-0.91	-0.79	0.0	-2.71e-03	6.58e-04
359	97	-3.33	1.37	-0.85	0.0	-9.17e-04	3.09e-04

359	99	2.05	2.34	-0.80	0.0	5.97e-04	-7.52e-05
359	113	-16.05	-1.84	-0.85	0.0	-4.55e-03	1.09e-03
359	119	15.24	3.81	-0.61	0.0	4.30e-03	-1.15e-03
359	129	-5.37	1.49	-0.90	0.0	-1.50e-03	4.57e-04
359	145	-1.11e-03	0.15	-0.79	0.0	0.0	-2.07e-06
359	146	-9.99e-04	0.16	-0.83	0.0	0.0	-1.94e-06
359	151	-9.80e-04	0.13	-0.69	0.0	0.0	-1.73e-06
359	156	-9.38e-04	0.12	-0.66	0.0	0.0	-1.62e-06
360	3	-7.76e-04	0.34	-1.13	0.0	1.22e-06	-1.98e-06
360	4	-5.50e-04	0.36	-1.19	0.0	1.27e-06	-1.68e-06
360	17	-15.00	-1.57	-0.82	0.0	-3.69e-03	9.86e-04
360	23	13.94	3.54	-0.62	0.0	3.40e-03	-1.01e-03
360	33	-4.97	1.56	-0.87	0.0	-1.23e-03	4.24e-04
360	49	-12.80	-1.19	-0.81	0.0	-3.15e-03	8.50e-04
360	55	11.19	3.07	-0.62	0.0	2.72e-03	-8.07e-04
360	65	-4.33	1.74	-0.87	0.0	-1.07e-03	3.95e-04
360	81	-11.13	-1.00	-0.80	0.0	-2.73e-03	7.39e-04
360	87	9.69	2.70	-0.62	0.0	2.36e-03	-6.99e-04
360	97	-3.78	1.59	-0.85	0.0	-9.34e-04	3.47e-04
360	113	-18.67	-2.05	-0.86	0.0	-4.59e-03	1.22e-03
360	119	17.76	4.38	-0.61	0.0	4.33e-03	-1.29e-03
360	129	-6.15	1.73	-0.91	0.0	-1.52e-03	5.13e-04
360	145	-5.81e-04	0.24	-0.79	0.0	0.0	-1.37e-06
360	146	-4.31e-04	0.25	-0.84	0.0	0.0	-1.17e-06
360	151	-5.30e-04	0.21	-0.69	0.0	0.0	-1.11e-06
360	156	-5.13e-04	0.20	-0.66	0.0	0.0	-1.02e-06
361	4	3.31e-04	0.50	-1.20	0.0	0.0	0.0
361	11	5.10e-04	0.46	-1.11	0.0	0.0	0.0
361	17	-17.12	-1.73	-0.83	0.0	-3.70e-03	1.07e-03
361	23	15.94	4.03	-0.62	0.0	3.41e-03	-1.09e-03
361	33	-5.60	1.78	-0.87	0.0	-1.24e-03	4.64e-04
361	49	-14.59	-1.30	-0.82	0.0	-3.16e-03	9.20e-04
361	55	12.78	3.49	-0.62	0.0	2.73e-03	-8.74e-04
361	65	-4.85	1.98	-0.88	0.0	-1.09e-03	4.33e-04
361	81	-12.69	-1.08	-0.80	0.0	-2.75e-03	8.01e-04
361	87	11.06	3.09	-0.62	0.0	2.36e-03	-7.57e-04
361	97	-4.23	1.82	-0.85	0.0	-9.47e-04	3.80e-04
361	113	-21.31	-2.27	-0.86	0.0	-4.61e-03	1.32e-03
361	119	20.30	4.97	-0.61	0.0	4.34e-03	-1.39e-03
361	129	-6.95	1.97	-0.91	0.0	-1.53e-03	5.60e-04
361	146	1.90e-04	0.35	-0.84	0.0	0.0	0.0
361	149	3.09e-04	0.32	-0.78	0.0	0.0	0.0
361	150	-6.85e-05	0.18	-0.46	0.0	0.0	0.0
361	151	6.77e-06	0.29	-0.70	0.0	0.0	0.0
361	155	-6.85e-05	0.18	-0.46	0.0	0.0	0.0
361	156	-3.98e-06	0.27	-0.66	0.0	0.0	0.0
362	4	5.16e-04	0.65	-1.21	0.0	0.0	0.0
362	11	6.05e-04	0.60	-1.12	0.0	0.0	0.0
362	16	19.24	2.59	-0.50	0.0	3.70e-03	-1.14e-03
362	23	17.93	4.53	-0.62	0.0	3.39e-03	-1.16e-03
362	33	-6.25	2.01	-0.88	0.0	-1.25e-03	5.02e-04
362	48	16.38	2.13	-0.51	0.0	3.16e-03	-9.82e-04
362	55	14.37	3.93	-0.63	0.0	2.72e-03	-9.33e-04
362	65	-5.39	2.23	-0.88	0.0	-1.09e-03	4.70e-04
362	80	14.24	1.88	-0.53	0.0	2.75e-03	-8.56e-04
362	87	12.44	3.48	-0.63	0.0	2.35e-03	-8.08e-04
362	97	-4.70	2.05	-0.86	0.0	-9.54e-04	4.13e-04
362	112	23.96	3.20	-0.47	0.0	4.60e-03	-1.41e-03
362	119	22.84	5.57	-0.61	0.0	4.33e-03	-1.48e-03
362	129	-7.75	2.21	-0.92	0.0	-1.54e-03	6.05e-04
362	146	3.36e-04	0.46	-0.85	0.0	0.0	0.0
362	149	3.95e-04	0.42	-0.79	0.0	0.0	0.0
362	151	1.84e-04	0.37	-0.70	0.0	0.0	0.0
362	154	2.11e-04	0.36	-0.69	0.0	0.0	0.0
362	156	1.69e-04	0.35	-0.67	0.0	0.0	0.0
363	3	-1.10e-04	0.79	-1.17	-4.34e-04	-3.80e-06	0.0
363	4	-6.57e-05	0.83	-1.24	-4.59e-04	-3.27e-06	0.0
363	17	-21.36	-2.02	-0.86	-6.46e-05	-3.15e-03	1.20e-03
363	23	19.91	5.01	-0.64	-5.07e-04	2.81e-03	-1.23e-03
363	33	-6.90	2.23	-0.90	-2.95e-04	-1.17e-03	5.40e-04
363	49	-18.18	-1.51	-0.85	-9.36e-05	-2.72e-03	1.04e-03
363	55	15.96	4.36	-0.64	-4.71e-04	2.26e-03	-9.91e-04
363	65	-5.94	2.47	-0.90	-3.08e-04	-1.06e-03	5.07e-04
363	81	-15.80	-1.23	-0.83	-1.14e-04	-2.37e-03	9.08e-04
363	87	13.81	3.87	-0.65	-4.43e-04	1.96e-03	-8.59e-04

363	97	-5.17	2.27	-0.88	-3.03e-04	-9.32e-04	4.46e-04
363	113	-26.60	-2.68	-0.89	-1.83e-05	-3.91e-03	1.49e-03
363	119	25.37	6.15	-0.63	-5.72e-04	3.58e-03	-1.57e-03
363	129	-8.57	2.45	-0.93	-2.98e-04	-1.43e-03	6.51e-04
363	145	-7.50e-05	0.55	-0.83	-3.03e-04	-2.62e-06	0.0
363	146	-4.59e-05	0.58	-0.87	-3.20e-04	-2.27e-06	0.0
363	151	-5.61e-05	0.48	-0.72	-2.62e-04	-2.11e-06	0.0
363	156	-4.98e-05	0.45	-0.69	-2.49e-04	-1.94e-06	0.0
364	3	-3.72e-04	0.10	-1.40	0.0	0.0	-1.58e-06
364	4	-3.38e-04	0.11	-1.47	0.0	0.0	-1.50e-06
364	17	-11.20	-1.27	-0.97	0.0	-3.76e-03	7.18e-04
364	23	10.41	2.63	-0.76	0.0	3.49e-03	-7.41e-04
364	37	-3.71	1.05	-1.08	0.0	-1.18e-03	3.48e-04
364	49	-9.59	-0.98	-0.98	0.0	-3.20e-03	6.19e-04
364	55	8.38	2.26	-0.75	0.0	2.79e-03	-5.94e-04
364	69	-3.14	1.23	-1.09	0.0	-9.74e-04	3.16e-04
364	81	-8.35	-0.83	-0.97	0.0	-2.79e-03	5.39e-04
364	99	1.71	2.00	-0.99	0.0	6.25e-04	-5.13e-05
364	101	-2.74	1.11	-1.06	0.0	-8.46e-04	2.77e-04
364	113	-13.92	-1.63	-1.00	0.0	-4.68e-03	8.91e-04
364	119	13.25	3.26	-0.75	0.0	4.45e-03	-9.45e-04
364	133	-4.66	1.15	-1.13	0.0	-1.49e-03	4.25e-04
364	145	-2.79e-04	0.07	-0.98	0.0	0.0	-1.11e-06
364	146	-2.56e-04	0.08	-1.03	0.0	0.0	-1.06e-06
364	151	-2.64e-04	0.06	-0.85	0.0	0.0	0.0
364	156	-2.59e-04	0.06	-0.81	0.0	0.0	0.0
365	4	-5.32e-04	0.01	-1.49	-2.31e-04	0.0	0.0
365	17	-9.07	-1.12	-0.98	-7.39e-06	-3.76e-03	5.66e-04
365	23	8.39	2.21	-0.76	-2.77e-04	3.48e-03	-5.87e-04
365	37	-3.13	0.87	-1.09	-1.39e-04	-1.17e-03	2.94e-04
365	49	-7.82	-0.87	-0.99	-2.57e-05	-3.20e-03	4.91e-04
365	55	6.78	1.90	-0.76	-2.54e-04	2.79e-03	-4.74e-04
365	69	-2.70	1.02	-1.10	-1.48e-04	-9.70e-04	2.72e-04
365	81	-6.81	-0.75	-0.97	-3.88e-05	-2.78e-03	4.28e-04
365	99	1.27	1.68	-1.00	-2.05e-04	6.26e-04	-2.62e-05
365	101	-2.36	0.92	-1.07	-1.46e-04	-8.42e-04	2.39e-04
365	113	-11.27	-1.43	-1.01	2.20e-05	-4.67e-03	7.01e-04
365	119	10.67	2.75	-0.75	-3.15e-04	4.44e-03	-7.47e-04
365	133	-3.91	0.95	-1.14	-1.37e-04	-1.48e-03	3.57e-04
365	146	-3.71e-04	8.72e-03	-1.04	-1.61e-04	0.0	0.0
365	151	-3.05e-04	6.78e-03	-0.86	-1.32e-04	0.0	0.0
365	156	-2.89e-04	6.43e-03	-0.82	-1.25e-04	0.0	0.0
366	1	-3.14e-04	0.11	-0.76	0.0	0.0	0.0
366	4	-1.66e-04	0.23	-1.47	0.0	0.0	-1.89e-06
366	17	-13.33	-1.42	-0.97	0.0	-3.77e-03	8.57e-04
366	23	12.44	3.07	-0.76	0.0	3.49e-03	-8.80e-04
366	37	-4.29	1.25	-1.08	0.0	-1.18e-03	4.01e-04
366	49	-11.39	-1.08	-0.98	0.0	-3.21e-03	7.38e-04
366	55	9.99	2.65	-0.75	0.0	2.80e-03	-7.04e-04
366	69	-3.59	1.45	-1.09	0.0	-9.81e-04	3.61e-04
366	81	-9.91	-0.91	-0.96	0.0	-2.79e-03	6.42e-04
366	99	2.16	2.34	-0.99	0.0	6.20e-04	-7.08e-05
366	101	-3.12	1.32	-1.06	0.0	-8.53e-04	3.17e-04
366	113	-16.59	-1.84	-0.99	0.0	-4.69e-03	1.06e-03
366	119	15.85	3.81	-0.75	0.0	4.45e-03	-1.12e-03
366	133	-5.41	1.36	-1.12	0.0	-1.49e-03	4.92e-04
366	143	-2.50e-04	0.08	-0.56	0.0	0.0	0.0
366	146	-1.52e-04	0.16	-1.03	0.0	0.0	-1.33e-06
366	150	-2.50e-04	0.08	-0.56	0.0	0.0	0.0
366	151	-2.15e-04	0.13	-0.85	0.0	0.0	-1.21e-06
366	155	-2.50e-04	0.08	-0.56	0.0	0.0	0.0
366	156	-2.20e-04	0.12	-0.81	0.0	0.0	-1.14e-06
367	4	1.86e-04	0.36	-1.46	0.0	0.0	-1.27e-06
367	14	1.98e-04	0.27	-1.11	0.0	0.0	0.0
367	17	-15.48	-1.57	-0.97	0.0	-3.77e-03	9.68e-04
367	23	14.48	3.54	-0.75	0.0	3.49e-03	-9.93e-04
367	37	-4.88	1.46	-1.08	0.0	-1.19e-03	4.51e-04
367	49	-13.20	-1.19	-0.98	0.0	-3.22e-03	8.34e-04
367	55	11.62	3.06	-0.75	0.0	2.79e-03	-7.94e-04
367	69	-4.04	1.68	-1.09	0.0	-9.91e-04	4.05e-04
367	81	-11.48	-1.00	-0.96	0.0	-2.80e-03	7.26e-04
367	87	10.06	2.70	-0.76	0.0	2.42e-03	-6.88e-04
367	101	-3.51	1.54	-1.06	0.0	-8.62e-04	3.55e-04
367	113	-19.27	-2.05	-0.99	0.0	-4.69e-03	1.20e-03
367	119	18.45	4.38	-0.74	0.0	4.44e-03	-1.27e-03

367	133	-6.17	1.58	-1.12	0.0	-1.50e-03	5.53e-04
367	143	-1.58e-04	0.13	-0.56	0.0	0.0	0.0
367	146	8.82e-05	0.25	-1.03	0.0	0.0	0.0
367	150	-1.58e-04	0.13	-0.56	0.0	0.0	0.0
367	151	-2.87e-05	0.20	-0.85	0.0	0.0	0.0
367	155	-1.58e-04	0.13	-0.56	0.0	0.0	0.0
367	156	-4.71e-05	0.19	-0.81	0.0	0.0	0.0
368	4	5.02e-04	0.50	-1.47	0.0	0.0	0.0
368	16	17.63	2.27	-0.65	0.0	3.77e-03	-1.06e-03
368	23	16.52	4.03	-0.76	0.0	3.48e-03	-1.08e-03
368	37	-5.48	1.67	-1.08	0.0	-1.20e-03	4.96e-04
368	48	15.02	1.85	-0.64	0.0	3.22e-03	-9.11e-04
368	55	13.25	3.49	-0.75	0.0	2.79e-03	-8.65e-04
368	69	-4.50	1.92	-1.09	0.0	-1.00e-03	4.47e-04
368	80	13.06	1.63	-0.66	0.0	2.80e-03	-7.93e-04
368	87	11.47	3.09	-0.76	0.0	2.41e-03	-7.49e-04
368	101	-3.91	1.76	-1.06	0.0	-8.70e-04	3.92e-04
368	112	21.95	2.81	-0.62	0.0	4.69e-03	-1.31e-03
368	119	21.05	4.97	-0.75	0.0	4.43e-03	-1.38e-03
368	133	-6.94	1.81	-1.12	0.0	-1.51e-03	6.08e-04
368	146	3.14e-04	0.35	-1.03	0.0	0.0	0.0
368	151	1.72e-04	0.29	-0.85	0.0	0.0	0.0
368	156	1.45e-04	0.27	-0.81	0.0	0.0	0.0
369	4	4.97e-04	0.65	-1.47	0.0	0.0	0.0
369	16	19.78	2.60	-0.66	0.0	3.76e-03	-1.13e-03
369	23	18.56	4.54	-0.76	0.0	3.47e-03	-1.16e-03
369	37	-6.09	1.89	-1.08	0.0	-1.20e-03	5.40e-04
369	48	16.84	2.13	-0.64	0.0	3.21e-03	-9.77e-04
369	55	14.88	3.94	-0.76	0.0	2.78e-03	-9.29e-04
369	69	-4.97	2.17	-1.09	0.0	-1.01e-03	4.88e-04
369	80	14.64	1.88	-0.66	0.0	2.79e-03	-8.51e-04
369	87	12.88	3.48	-0.76	0.0	2.40e-03	-8.04e-04
369	101	-4.32	1.99	-1.06	0.0	-8.75e-04	4.29e-04
369	112	24.64	3.20	-0.63	0.0	4.68e-03	-1.40e-03
369	119	23.64	5.58	-0.75	0.0	4.42e-03	-1.48e-03
369	133	-7.72	2.04	-1.12	0.0	-1.51e-03	6.62e-04
369	146	3.25e-04	0.45	-1.03	0.0	0.0	0.0
369	151	2.15e-04	0.37	-0.86	0.0	0.0	0.0
369	156	1.93e-04	0.35	-0.81	0.0	0.0	0.0
370	4	1.10e-04	0.83	-1.50	-4.30e-04	-1.51e-06	0.0
370	11	1.39e-04	0.77	-1.40	-3.96e-04	0.0	0.0
370	16	21.93	2.92	-0.67	-4.35e-04	3.23e-03	-1.20e-03
370	23	20.58	5.01	-0.78	-5.21e-04	2.89e-03	-1.23e-03
370	37	-6.70	2.10	-1.09	-2.84e-04	-1.15e-03	5.84e-04
370	48	18.66	2.41	-0.66	-4.04e-04	2.79e-03	-1.04e-03
370	55	16.50	4.36	-0.77	-4.81e-04	2.33e-03	-9.91e-04
370	69	-5.46	2.40	-1.10	-3.01e-04	-1.01e-03	5.30e-04
370	80	16.22	2.14	-0.68	-3.81e-04	2.43e-03	-9.09e-04
370	87	14.28	3.87	-0.78	-4.50e-04	2.02e-03	-8.59e-04
370	101	-4.73	2.22	-1.08	-2.95e-04	-8.81e-04	4.66e-04
370	112	27.32	3.59	-0.65	-4.86e-04	4.01e-03	-1.49e-03
370	119	26.22	6.15	-0.77	-5.93e-04	3.68e-03	-1.57e-03
370	133	-8.51	2.26	-1.14	-2.85e-04	-1.42e-03	7.15e-04
370	146	7.67e-05	0.58	-1.05	-3.00e-04	-1.05e-06	0.0
370	149	9.60e-05	0.54	-0.98	-2.77e-04	0.0	0.0
370	151	5.19e-05	0.48	-0.87	-2.46e-04	-1.02e-06	0.0
370	154	5.98e-05	0.46	-0.85	-2.39e-04	0.0	0.0
370	156	5.10e-05	0.45	-0.83	-2.33e-04	0.0	0.0
371	3	2.42e-04	0.10	-1.55	0.0	0.0	-1.11e-06
371	4	2.36e-04	0.11	-1.63	0.0	0.0	-1.03e-06
371	16	11.55	1.38	-0.99	0.0	3.89e-03	-7.04e-04
371	23	10.80	2.62	-1.20	0.0	3.62e-03	-7.26e-04
371	35	2.74	2.30	-1.25	0.0	9.72e-04	-1.13e-04
371	48	9.89	1.09	-0.98	0.0	3.31e-03	-6.07e-04
371	55	8.69	2.26	-1.20	0.0	2.90e-03	-5.82e-04
371	67	2.08	2.24	-1.26	0.0	7.52e-04	-5.90e-05
371	80	8.61	0.94	-0.97	0.0	2.88e-03	-5.29e-04
371	99	1.78	2.00	-1.22	0.0	6.48e-04	-4.81e-05
371	112	14.36	1.75	-1.01	0.0	4.84e-03	-8.73e-04
371	119	13.75	3.26	-1.27	0.0	4.61e-03	-9.26e-04
371	131	3.55	2.73	-1.31	0.0	1.25e-03	-1.59e-04
371	145	1.53e-04	0.07	-1.09	0.0	0.0	0.0
371	146	1.49e-04	0.07	-1.14	0.0	0.0	0.0
371	151	1.04e-04	0.06	-0.95	0.0	0.0	0.0
371	156	8.72e-05	0.06	-0.90	0.0	0.0	0.0

372	4	-5.83e-05	0.01	-1.64	9.57e-06	0.0	0.0
372	17	-9.35	-1.11	-0.82	1.02e-04	-3.89e-03	5.63e-04
372	23	8.70	2.21	-1.21	-9.12e-05	3.62e-03	-5.84e-04
372	35	2.08	1.94	-1.25	-3.48e-05	9.75e-04	-7.70e-05
372	49	-8.06	-0.87	-0.82	8.77e-05	-3.31e-03	4.88e-04
372	55	7.03	1.90	-1.20	-7.42e-05	2.90e-03	-4.72e-04
372	67	1.54	1.89	-1.26	-3.06e-05	7.55e-04	-3.32e-05
372	81	-7.02	-0.74	-0.83	7.72e-05	-2.88e-03	4.25e-04
372	99	1.31	1.68	-1.22	-2.60e-05	6.51e-04	-2.61e-05
372	113	-11.62	-1.42	-0.80	1.25e-04	-4.84e-03	6.97e-04
372	119	11.06	2.75	-1.27	-1.17e-04	4.62e-03	-7.44e-04
372	131	2.71	2.31	-1.31	-4.46e-05	1.25e-03	-1.13e-04
372	146	-4.12e-05	0.01	-1.15	7.53e-06	0.0	0.0
372	151	-3.44e-05	7.94e-03	-0.95	7.30e-06	0.0	0.0
372	156	-3.30e-05	7.53e-03	-0.90	7.49e-06	0.0	0.0
373	3	5.65e-04	0.21	-1.54	0.0	0.0	-1.41e-06
373	4	5.58e-04	0.23	-1.63	0.0	0.0	-1.26e-06
373	16	13.75	1.66	-0.98	0.0	3.88e-03	-8.39e-04
373	23	12.91	3.07	-1.20	0.0	3.60e-03	-8.62e-04
373	35	3.40	2.69	-1.25	0.0	9.63e-04	-1.43e-04
373	48	11.74	1.33	-0.98	0.0	3.30e-03	-7.23e-04
373	55	10.36	2.65	-1.19	0.0	2.89e-03	-6.90e-04
373	67	2.62	2.62	-1.25	0.0	7.43e-04	-8.06e-05
373	80	10.22	1.16	-0.97	0.0	2.87e-03	-6.29e-04
373	99	2.25	2.34	-1.22	0.0	6.40e-04	-6.65e-05
373	112	17.11	2.08	-1.00	0.0	4.82e-03	-1.04e-03
373	119	16.44	3.81	-1.26	0.0	4.59e-03	-1.10e-03
373	131	4.38	3.18	-1.31	0.0	1.24e-03	-2.00e-04
373	145	3.66e-04	0.15	-1.08	0.0	0.0	0.0
373	146	3.61e-04	0.16	-1.14	0.0	0.0	0.0
373	151	2.65e-04	0.13	-0.94	0.0	0.0	0.0
373	156	2.31e-04	0.12	-0.90	0.0	0.0	0.0
374	3	7.43e-04	0.34	-1.54	0.0	0.0	-1.17e-06
374	4	7.33e-04	0.36	-1.63	0.0	0.0	0.0
374	16	15.95	1.96	-0.98	0.0	3.86e-03	-9.54e-04
374	23	15.01	3.54	-1.20	0.0	3.58e-03	-9.78e-04
374	35	4.06	3.09	-1.25	0.0	9.50e-04	-1.65e-04
374	48	13.60	1.58	-0.98	0.0	3.29e-03	-8.22e-04
374	55	12.04	3.06	-1.19	0.0	2.87e-03	-7.83e-04
374	67	3.16	3.02	-1.25	0.0	7.31e-04	-9.47e-05
374	80	11.82	1.38	-0.97	0.0	2.86e-03	-7.16e-04
374	87	10.42	2.70	-1.16	0.0	2.48e-03	-6.78e-04
374	99	2.72	2.70	-1.22	0.0	6.29e-04	-7.83e-05
374	112	19.85	2.44	-1.00	0.0	4.80e-03	-1.18e-03
374	119	19.12	4.38	-1.26	0.0	4.57e-03	-1.25e-03
374	131	5.21	3.65	-1.31	0.0	1.22e-03	-2.29e-04
374	145	4.85e-04	0.24	-1.08	0.0	0.0	0.0
374	146	4.78e-04	0.25	-1.14	0.0	0.0	0.0
374	151	3.57e-04	0.20	-0.94	0.0	0.0	0.0
374	156	3.15e-04	0.19	-0.90	0.0	0.0	0.0
375	3	7.52e-04	0.47	-1.55	0.0	0.0	0.0
375	4	7.45e-04	0.50	-1.64	0.0	0.0	0.0
375	16	18.14	2.27	-0.99	0.0	3.84e-03	-1.05e-03
375	23	17.10	4.03	-1.20	0.0	3.56e-03	-1.07e-03
375	35	4.71	3.51	-1.25	0.0	9.36e-04	-1.78e-04
375	48	15.45	1.85	-0.98	0.0	3.28e-03	-9.04e-04
375	55	13.71	3.49	-1.20	0.0	2.85e-03	-8.60e-04
375	67	3.70	3.42	-1.26	0.0	7.17e-04	-1.01e-04
375	80	13.43	1.62	-0.97	0.0	2.85e-03	-7.87e-04
375	87	11.87	3.08	-1.16	0.0	2.47e-03	-7.44e-04
375	99	3.19	3.06	-1.22	0.0	6.17e-04	-8.33e-05
375	112	22.59	2.81	-1.01	0.0	4.78e-03	-1.30e-03
375	119	21.79	4.97	-1.27	0.0	4.53e-03	-1.37e-03
375	131	6.03	4.14	-1.31	0.0	1.21e-03	-2.47e-04
375	145	4.95e-04	0.33	-1.09	0.0	0.0	0.0
375	146	4.91e-04	0.35	-1.15	0.0	0.0	0.0
375	151	3.73e-04	0.28	-0.95	0.0	0.0	0.0
375	156	3.32e-04	0.27	-0.90	0.0	0.0	0.0
376	4	5.80e-04	0.65	-1.66	0.0	0.0	0.0
376	16	20.33	2.60	-1.00	0.0	3.82e-03	-1.13e-03
376	23	19.18	4.54	-1.21	0.0	3.54e-03	-1.15e-03
376	35	5.35	3.94	-1.26	0.0	9.25e-04	-1.85e-04
376	48	17.29	2.13	-0.99	0.0	3.27e-03	-9.74e-04
376	55	15.38	3.94	-1.21	0.0	2.84e-03	-9.27e-04
376	67	4.22	3.85	-1.27	0.0	7.07e-04	-1.02e-04

376	80	15.03	1.88	-0.98	0.0	2.84e-03	-8.48e-04
376	87	13.31	3.49	-1.17	0.0	2.46e-03	-8.03e-04
376	99	3.65	3.45	-1.23	0.0	6.08e-04	-8.38e-05
376	112	25.32	3.21	-1.02	0.0	4.76e-03	-1.40e-03
376	119	24.43	5.59	-1.28	0.0	4.51e-03	-1.47e-03
376	131	6.83	4.64	-1.32	0.0	1.19e-03	-2.58e-04
376	146	3.88e-04	0.45	-1.16	0.0	0.0	0.0
376	151	3.00e-04	0.37	-0.96	0.0	0.0	0.0
376	156	2.71e-04	0.35	-0.91	0.0	0.0	0.0
377	4	2.76e-04	0.83	-1.71	-3.96e-04	0.0	0.0
377	16	22.51	2.92	-1.02	-4.40e-04	3.31e-03	-1.20e-03
377	23	21.25	5.01	-1.24	-5.42e-04	2.97e-03	-1.23e-03
377	35	5.96	4.34	-1.29	-4.48e-04	6.49e-04	-1.89e-04
377	48	19.14	2.41	-1.02	-4.04e-04	2.86e-03	-1.04e-03
377	55	17.04	4.36	-1.23	-4.97e-04	2.39e-03	-9.88e-04
377	67	4.73	4.23	-1.29	-4.39e-04	4.52e-04	-1.01e-04
377	80	16.64	2.14	-1.01	-3.79e-04	2.49e-03	-9.05e-04
377	87	14.75	3.87	-1.20	-4.62e-04	2.07e-03	-8.56e-04
377	99	4.09	3.80	-1.26	-4.14e-04	3.84e-04	-8.27e-05
377	112	28.05	3.59	-1.04	-4.97e-04	4.10e-03	-1.49e-03
377	119	27.07	6.15	-1.30	-6.24e-04	3.78e-03	-1.57e-03
377	131	7.61	5.10	-1.35	-4.95e-04	8.60e-04	-2.66e-04
377	146	1.92e-04	0.58	-1.19	-2.76e-04	0.0	0.0
377	151	1.54e-04	0.48	-0.99	-2.26e-04	0.0	0.0
377	156	1.46e-04	0.45	-0.94	-2.13e-04	0.0	0.0
378	3	6.95e-04	0.10	-1.54	0.0	0.0	0.0
378	4	6.54e-04	0.10	-1.63	0.0	0.0	0.0
378	16	11.89	1.38	-1.05	0.0	4.01e-03	-6.94e-04
378	23	11.18	2.62	-1.29	0.0	3.74e-03	-7.17e-04
378	35	2.84	2.29	-1.29	0.0	1.00e-03	-1.10e-04
378	48	10.19	1.09	-1.03	0.0	3.42e-03	-5.99e-04
378	55	8.99	2.26	-1.26	0.0	3.00e-03	-5.75e-04
378	67	2.15	2.24	-1.30	0.0	7.78e-04	-5.67e-05
378	80	8.87	0.94	-1.02	0.0	2.97e-03	-5.21e-04
378	99	1.85	1.99	-1.25	0.0	6.70e-04	-4.61e-05
378	112	14.79	1.74	-1.09	0.0	4.99e-03	-8.60e-04
378	119	14.23	3.26	-1.37	0.0	4.77e-03	-9.14e-04
378	145	4.72e-04	0.07	-1.08	0.0	0.0	0.0
378	146	4.45e-04	0.07	-1.14	0.0	0.0	0.0
378	151	3.76e-04	0.06	-0.94	0.0	0.0	0.0
378	156	3.44e-04	0.06	-0.89	0.0	0.0	0.0
379	4	3.04e-05	0.02	-1.61	3.13e-04	0.0	0.0
379	16	9.64	1.13	-1.05	1.25e-04	4.01e-03	-5.62e-04
379	23	9.00	2.20	-1.29	1.65e-04	3.75e-03	-5.83e-04
379	35	2.15	1.93	-1.29	2.24e-04	1.01e-03	-7.67e-05
379	48	8.30	0.88	-1.03	1.27e-04	3.42e-03	-4.87e-04
379	55	7.27	1.90	-1.26	1.64e-04	3.00e-03	-4.70e-04
379	67	1.59	1.89	-1.30	2.26e-04	7.81e-04	-3.30e-05
379	80	7.23	0.76	-1.01	1.33e-04	2.97e-03	-4.24e-04
379	99	1.36	1.68	-1.25	2.21e-04	6.73e-04	-2.59e-05
379	112	11.96	1.43	-1.09	1.16e-04	4.99e-03	-6.96e-04
379	119	11.46	2.74	-1.37	1.63e-04	4.78e-03	-7.42e-04
379	146	2.17e-05	0.01	-1.13	2.20e-04	0.0	0.0
379	151	1.89e-05	8.93e-03	-0.93	1.82e-04	0.0	0.0
379	156	1.82e-05	8.46e-03	-0.89	1.74e-04	0.0	0.0
380	3	1.14e-03	0.21	-1.56	0.0	0.0	-1.12e-06
380	4	1.06e-03	0.22	-1.64	0.0	0.0	0.0
380	16	14.16	1.66	-1.06	0.0	3.99e-03	-8.28e-04
380	23	13.36	3.07	-1.30	0.0	3.72e-03	-8.52e-04
380	35	3.53	2.68	-1.30	0.0	9.92e-04	-1.40e-04
380	48	12.09	1.33	-1.04	0.0	3.40e-03	-7.13e-04
380	55	10.72	2.65	-1.27	0.0	2.98e-03	-6.81e-04
380	67	2.72	2.62	-1.31	0.0	7.66e-04	-7.78e-05
380	80	10.52	1.16	-1.03	0.0	2.96e-03	-6.21e-04
380	99	2.34	2.34	-1.26	0.0	6.60e-04	-6.41e-05
380	112	17.62	2.08	-1.10	0.0	4.96e-03	-1.03e-03
380	119	17.02	3.80	-1.38	0.0	4.74e-03	-1.09e-03
380	145	7.74e-04	0.15	-1.09	0.0	0.0	0.0
380	146	7.22e-04	0.16	-1.15	0.0	0.0	0.0
380	151	6.12e-04	0.13	-0.95	0.0	0.0	0.0
380	156	5.59e-04	0.12	-0.90	0.0	0.0	0.0
381	3	1.27e-03	0.34	-1.58	0.0	0.0	-1.02e-06
381	4	1.18e-03	0.36	-1.67	0.0	0.0	0.0
381	16	16.42	1.96	-1.08	0.0	3.95e-03	-9.45e-04
381	23	15.53	3.54	-1.32	0.0	3.68e-03	-9.70e-04

381	35	4.22	3.09	-1.33	0.0	9.75e-04	-1.62e-04
381	48	13.99	1.58	-1.06	0.0	3.37e-03	-8.15e-04
381	55	12.45	3.06	-1.30	0.0	2.95e-03	-7.77e-04
381	67	3.29	3.01	-1.33	0.0	7.50e-04	-9.24e-05
381	80	12.17	1.38	-1.04	0.0	2.93e-03	-7.10e-04
381	87	10.78	2.70	-1.25	0.0	2.56e-03	-6.73e-04
381	99	2.83	2.69	-1.29	0.0	6.46e-04	-7.63e-05
381	112	20.44	2.44	-1.12	0.0	4.92e-03	-1.17e-03
381	119	19.78	4.38	-1.41	0.0	4.69e-03	-1.24e-03
381	145	8.62e-04	0.23	-1.11	0.0	0.0	0.0
381	146	7.97e-04	0.25	-1.17	0.0	0.0	0.0
381	151	6.78e-04	0.20	-0.96	0.0	0.0	0.0
381	156	6.17e-04	0.19	-0.92	0.0	0.0	0.0
382	3	1.12e-03	0.47	-1.61	0.0	0.0	0.0
382	4	1.03e-03	0.50	-1.70	0.0	0.0	0.0
382	16	18.66	2.27	-1.11	0.0	3.92e-03	-1.04e-03
382	23	17.67	4.03	-1.35	0.0	3.64e-03	-1.07e-03
382	35	4.89	3.50	-1.36	0.0	9.57e-04	-1.76e-04
382	48	15.88	1.84	-1.08	0.0	3.34e-03	-9.00e-04
382	55	14.17	3.49	-1.32	0.0	2.92e-03	-8.57e-04
382	67	3.84	3.42	-1.36	0.0	7.34e-04	-9.97e-05
382	80	13.81	1.62	-1.07	0.0	2.91e-03	-7.84e-04
382	87	12.27	3.08	-1.28	0.0	2.53e-03	-7.42e-04
382	99	3.32	3.06	-1.31	0.0	6.32e-04	-8.22e-05
382	112	23.23	2.81	-1.15	0.0	4.87e-03	-1.29e-03
382	119	22.51	4.96	-1.44	0.0	4.64e-03	-1.36e-03
382	145	7.56e-04	0.33	-1.13	0.0	0.0	0.0
382	146	7.00e-04	0.35	-1.19	0.0	0.0	0.0
382	151	5.95e-04	0.28	-0.98	0.0	0.0	0.0
382	156	5.41e-04	0.27	-0.94	0.0	0.0	0.0
383	3	7.76e-04	0.61	-1.66	0.0	0.0	0.0
383	4	7.34e-04	0.64	-1.76	0.0	0.0	0.0
383	16	20.88	2.60	-1.14	0.0	3.89e-03	-1.12e-03
383	23	19.80	4.55	-1.40	0.0	3.61e-03	-1.15e-03
383	35	5.54	3.95	-1.40	0.0	9.43e-04	-1.84e-04
383	48	17.76	2.13	-1.12	0.0	3.32e-03	-9.72e-04
383	55	15.87	3.95	-1.37	0.0	2.90e-03	-9.25e-04
383	67	4.39	3.85	-1.40	0.0	7.22e-04	-1.01e-04
383	80	15.43	1.88	-1.10	0.0	2.89e-03	-8.47e-04
383	87	13.74	3.49	-1.32	0.0	2.51e-03	-8.02e-04
383	99	3.79	3.46	-1.36	0.0	6.21e-04	-8.31e-05
383	112	26.01	3.21	-1.19	0.0	4.84e-03	-1.39e-03
383	119	25.22	5.60	-1.49	0.0	4.60e-03	-1.47e-03
383	145	5.28e-04	0.42	-1.17	0.0	0.0	0.0
383	146	5.00e-04	0.45	-1.23	0.0	0.0	0.0
383	151	4.22e-04	0.37	-1.02	0.0	0.0	0.0
383	156	3.86e-04	0.35	-0.97	0.0	0.0	0.0
384	4	3.60e-04	0.83	-1.87	-3.77e-04	0.0	0.0
384	16	23.10	2.92	-1.21	-4.65e-04	3.39e-03	-1.19e-03
384	23	21.90	5.01	-1.46	-5.98e-04	3.05e-03	-1.22e-03
384	35	6.17	4.34	-1.47	-4.94e-04	6.65e-04	-1.87e-04
384	48	19.63	2.41	-1.18	-4.23e-04	2.93e-03	-1.03e-03
384	55	17.56	4.36	-1.43	-5.45e-04	2.46e-03	-9.85e-04
384	67	4.91	4.23	-1.47	-4.85e-04	4.63e-04	-9.96e-05
384	80	17.06	2.14	-1.16	-3.94e-04	2.55e-03	-9.00e-04
384	87	15.20	3.87	-1.39	-5.02e-04	2.13e-03	-8.53e-04
384	99	4.25	3.80	-1.42	-4.53e-04	3.94e-04	-8.11e-05
384	112	28.77	3.59	-1.25	-5.31e-04	4.20e-03	-1.48e-03
384	119	27.90	6.15	-1.56	-6.96e-04	3.89e-03	-1.56e-03
384	146	2.51e-04	0.58	-1.31	-2.62e-04	0.0	0.0
384	151	2.03e-04	0.48	-1.08	-2.14e-04	0.0	0.0
384	156	1.93e-04	0.45	-1.03	-2.02e-04	0.0	0.0
385	3	1.11e-03	0.10	-1.28	0.0	1.10e-06	0.0
385	4	1.04e-03	0.10	-1.35	0.0	0.0	0.0
385	16	12.24	1.38	-0.93	0.0	4.12e-03	-6.92e-04
385	23	11.55	2.62	-1.14	0.0	3.85e-03	-7.14e-04
385	48	10.48	1.09	-0.91	0.0	3.51e-03	-5.97e-04
385	55	9.29	2.26	-1.11	0.0	3.09e-03	-5.73e-04
385	67	2.22	2.24	-1.12	0.0	7.98e-04	-5.61e-05
385	80	9.12	0.94	-0.88	0.0	3.05e-03	-5.20e-04
385	99	1.90	1.99	-1.07	0.0	6.88e-04	-4.56e-05
385	112	15.22	1.74	-0.98	0.0	5.12e-03	-8.57e-04
385	119	14.71	3.26	-1.23	0.0	4.91e-03	-9.11e-04
385	145	7.66e-04	0.07	-0.90	0.0	0.0	0.0
385	146	7.17e-04	0.07	-0.95	0.0	0.0	0.0

385	151	6.28e-04	0.06	-0.78	0.0	0.0	0.0
385	156	5.82e-04	0.05	-0.74	0.0	0.0	0.0
386	3	1.68e-03	0.21	-1.43	0.0	0.0	-1.07e-06
386	4	1.53e-03	0.22	-1.51	0.0	0.0	0.0
386	16	14.57	1.66	-1.06	0.0	4.09e-03	-8.25e-04
386	23	13.81	3.07	-1.32	0.0	3.83e-03	-8.49e-04
386	48	12.44	1.33	-1.03	0.0	3.49e-03	-7.11e-04
386	55	11.08	2.65	-1.28	0.0	3.07e-03	-6.79e-04
386	67	2.81	2.62	-1.29	0.0	7.86e-04	-7.70e-05
386	80	10.82	1.15	-1.01	0.0	3.04e-03	-6.19e-04
386	99	2.42	2.34	-1.24	0.0	6.77e-04	-6.34e-05
386	112	18.13	2.08	-1.12	0.0	5.09e-03	-1.02e-03
386	119	17.59	3.80	-1.43	0.0	4.88e-03	-1.08e-03
386	145	1.16e-03	0.15	-1.01	0.0	0.0	0.0
386	146	1.06e-03	0.15	-1.06	0.0	0.0	0.0
386	151	9.38e-04	0.13	-0.87	0.0	0.0	0.0
386	156	8.66e-04	0.12	-0.83	0.0	0.0	0.0
387	3	1.78e-03	0.33	-1.54	0.0	0.0	0.0
387	4	1.60e-03	0.35	-1.63	0.0	0.0	0.0
387	16	16.89	1.96	-1.17	0.0	4.04e-03	-9.43e-04
387	23	16.04	3.54	-1.46	0.0	3.78e-03	-9.69e-04
387	48	14.39	1.58	-1.13	0.0	3.45e-03	-8.13e-04
387	55	12.86	3.06	-1.41	0.0	3.03e-03	-7.75e-04
387	67	3.40	3.01	-1.42	0.0	7.67e-04	-9.17e-05
387	80	12.51	1.38	-1.10	0.0	3.00e-03	-7.08e-04
387	87	11.13	2.70	-1.35	0.0	2.62e-03	-6.71e-04
387	99	2.93	2.69	-1.36	0.0	6.60e-04	-7.57e-05
387	112	21.02	2.44	-1.23	0.0	5.03e-03	-1.17e-03
387	119	20.43	4.37	-1.59	0.0	4.81e-03	-1.24e-03
387	145	1.22e-03	0.23	-1.08	0.0	0.0	0.0
387	146	1.10e-03	0.25	-1.14	0.0	0.0	0.0
387	151	9.87e-04	0.20	-0.94	0.0	0.0	0.0
387	156	9.08e-04	0.19	-0.89	0.0	0.0	0.0
388	3	1.49e-03	0.47	-1.64	0.0	0.0	0.0
388	4	1.33e-03	0.49	-1.74	0.0	0.0	0.0
388	16	19.17	2.26	-1.25	0.0	3.99e-03	-1.04e-03
388	23	18.24	4.02	-1.57	0.0	3.72e-03	-1.07e-03
388	48	16.32	1.84	-1.21	0.0	3.41e-03	-8.99e-04
388	55	14.62	3.48	-1.51	0.0	2.98e-03	-8.56e-04
388	67	3.97	3.41	-1.52	0.0	7.48e-04	-9.93e-05
388	80	14.19	1.62	-1.17	0.0	2.96e-03	-7.83e-04
388	87	12.66	3.08	-1.45	0.0	2.58e-03	-7.41e-04
388	99	3.43	3.06	-1.46	0.0	6.43e-04	-8.18e-05
388	112	23.87	2.81	-1.33	0.0	4.96e-03	-1.29e-03
388	119	23.24	4.96	-1.71	0.0	4.74e-03	-1.36e-03
388	145	1.02e-03	0.33	-1.15	0.0	0.0	0.0
388	146	9.15e-04	0.34	-1.21	0.0	0.0	0.0
388	151	8.21e-04	0.28	-1.00	0.0	0.0	0.0
388	156	7.54e-04	0.27	-0.95	0.0	0.0	0.0
389	3	9.91e-04	0.59	-1.76	0.0	0.0	0.0
389	4	9.04e-04	0.62	-1.86	0.0	0.0	0.0
389	16	21.43	2.59	-1.34	0.0	3.95e-03	-1.12e-03
389	23	20.41	4.55	-1.68	0.0	3.68e-03	-1.15e-03
389	48	18.23	2.12	-1.29	0.0	3.37e-03	-9.71e-04
389	55	16.36	3.95	-1.62	0.0	2.95e-03	-9.25e-04
389	67	4.53	3.85	-1.63	0.0	7.33e-04	-1.01e-04
389	80	15.84	1.87	-1.26	0.0	2.93e-03	-8.46e-04
389	87	14.16	3.49	-1.55	0.0	2.55e-03	-8.01e-04
389	99	3.91	3.45	-1.56	0.0	6.31e-04	-8.29e-05
389	112	26.70	3.21	-1.42	0.0	4.91e-03	-1.39e-03
389	119	26.00	5.60	-1.83	0.0	4.68e-03	-1.47e-03
389	145	6.81e-04	0.41	-1.24	0.0	0.0	0.0
389	146	6.23e-04	0.43	-1.30	0.0	0.0	0.0
389	151	5.52e-04	0.36	-1.07	0.0	0.0	0.0
389	156	5.09e-04	0.34	-1.02	0.0	0.0	0.0
390	4	4.41e-04	0.83	-2.08	-3.64e-04	0.0	0.0
390	16	23.68	2.92	-1.47	-4.98e-04	3.46e-03	-1.19e-03
390	23	22.55	5.01	-1.83	-6.65e-04	3.13e-03	-1.22e-03
390	48	20.13	2.41	-1.42	-4.50e-04	3.00e-03	-1.03e-03
390	55	18.08	4.36	-1.76	-6.04e-04	2.53e-03	-9.83e-04
390	67	5.06	4.23	-1.77	-5.41e-04	4.76e-04	-9.87e-05
390	80	17.49	2.14	-1.39	-4.16e-04	2.61e-03	-8.97e-04
390	87	15.65	3.87	-1.69	-5.53e-04	2.19e-03	-8.52e-04
390	99	4.38	3.80	-1.70	-5.02e-04	4.04e-04	-8.03e-05
390	112	29.50	3.59	-1.56	-5.74e-04	4.29e-03	-1.47e-03

390	119	28.73	6.15	-1.98	-7.81e-04	3.98e-03	-1.56e-03
390	146	3.08e-04	0.58	-1.45	-2.53e-04	0.0	0.0
390	151	2.50e-04	0.48	-1.20	-2.07e-04	0.0	0.0
390	156	2.37e-04	0.45	-1.14	-1.95e-04	0.0	0.0
391	3	-9.77e-03	1.44	-6.92e-03	-2.84e-04	0.0	-1.06e-06
391	4	-6.49e-03	1.52	-0.01	-3.01e-04	0.0	4.22e-06
391	9	6.87e-03	0.92	-0.05	-1.85e-04	0.0	1.75e-05
391	21	-21.88	-1.87	-0.06	2.15e-04	0.0	1.73e-03
391	23	19.84	5.88	0.14	-6.48e-04	0.0	-1.65e-03
391	38	-7.46	-3.79	-0.20	1.41e-04	0.0	2.59e-04
391	53	-18.71	-1.33	-0.06	1.56e-04	0.0	1.50e-03
391	67	6.47	5.35	0.16	-4.51e-04	0.0	-1.36e-04
391	70	-6.48	-3.70	-0.20	1.25e-04	0.0	1.39e-04
391	85	-16.28	-1.03	-0.06	1.14e-04	0.0	1.30e-03
391	99	5.65	4.84	0.14	-4.18e-04	0.0	-1.09e-04
391	102	-5.66	-3.19	-0.18	9.18e-05	0.0	1.13e-04
391	117	-27.20	-2.60	-0.08	3.10e-04	0.0	2.14e-03
391	119	25.18	7.13	0.17	-7.71e-04	0.0	-2.10e-03
391	134	-9.27	-4.68	-0.23	2.04e-04	0.0	3.62e-04
391	145	-6.42e-03	1.01	-9.70e-03	-1.99e-04	0.0	0.0
391	146	-4.23e-03	1.06	-0.01	-2.10e-04	0.0	3.35e-06
391	147	4.68e-03	0.66	-0.04	-1.32e-04	0.0	1.22e-05
391	151	-4.40e-03	0.87	-0.02	-1.72e-04	0.0	1.43e-06
391	152	1.17e-03	0.57	-0.03	-1.14e-04	0.0	6.56e-06
391	155	2.99e-04	0.55	-0.03	-1.10e-04	0.0	5.15e-06
391	156	-3.73e-03	0.83	-0.02	-1.63e-04	0.0	1.96e-06
392	4	-1.18e-03	1.70	-0.01	-3.05e-04	0.0	7.43e-06
392	9	5.39e-03	1.03	-0.05	-1.90e-04	0.0	1.52e-05
392	18	-23.57	-3.98	-0.15	2.98e-04	0.0	1.53e-03
392	23	21.40	6.25	0.14	-6.39e-04	0.0	-1.67e-03
392	38	-8.04	-3.86	-0.20	1.06e-04	0.0	3.12e-04
392	50	-20.16	-3.48	-0.14	2.42e-04	0.0	1.29e-03
392	67	6.97	5.59	0.16	-4.19e-04	0.0	-1.86e-04
392	70	-6.97	-3.75	-0.20	8.88e-05	0.0	1.94e-04
392	82	-17.53	-2.93	-0.13	1.91e-04	0.0	1.12e-03
392	99	6.09	5.06	0.14	-3.90e-04	0.0	-1.55e-04
392	102	-6.09	-3.22	-0.18	5.93e-05	0.0	1.62e-04
392	114	-29.31	-5.08	-0.17	4.06e-04	0.0	1.91e-03
392	119	27.15	7.57	0.17	-7.61e-04	0.0	-2.13e-03
392	134	-9.98	-4.78	-0.23	1.64e-04	0.0	4.24e-04
392	146	-6.62e-04	1.19	-0.01	-2.13e-04	0.0	5.45e-06
392	147	3.72e-03	0.74	-0.04	-1.36e-04	0.0	1.06e-05
392	151	-1.09e-03	0.97	-0.02	-1.74e-04	0.0	3.46e-06
392	152	1.57e-03	0.64	-0.03	-1.17e-04	0.0	6.27e-06
392	155	1.04e-03	0.62	-0.03	-1.12e-04	0.0	5.18e-06
392	156	-7.86e-04	0.92	-0.02	-1.65e-04	0.0	3.71e-06
393	4	2.69e-03	1.88	-0.01	-3.07e-04	0.0	8.39e-06
393	9	1.69e-03	1.14	-0.05	-1.93e-04	0.0	7.54e-06
393	15	25.27	6.18	0.11	-6.25e-04	0.0	-1.51e-03
393	23	22.96	6.62	0.14	-6.35e-04	0.0	-1.67e-03
393	38	-8.61	-3.90	-0.20	9.13e-05	0.0	2.90e-04
393	47	21.61	5.65	0.11	-5.69e-04	0.0	-1.28e-03
393	55	18.67	5.84	0.13	-5.60e-04	0.0	-1.35e-03
393	70	-7.47	-3.78	-0.20	7.38e-05	0.0	1.75e-04
393	79	18.79	5.07	0.09	-5.18e-04	0.0	-1.11e-03
393	99	6.52	5.27	0.15	-3.78e-04	0.0	-1.37e-04
393	102	-6.52	-3.24	-0.18	4.57e-05	0.0	1.46e-04
393	111	31.42	7.35	0.13	-7.33e-04	0.0	-1.88e-03
393	119	29.13	8.01	0.17	-7.57e-04	0.0	-2.13e-03
393	134	-10.69	-4.85	-0.23	1.47e-04	0.0	3.96e-04
393	146	1.88e-03	1.31	-0.01	-2.14e-04	0.0	5.92e-06
393	147	1.22e-03	0.82	-0.04	-1.38e-04	0.0	5.36e-06
393	151	1.55e-03	1.07	-0.02	-1.75e-04	0.0	4.64e-06
393	152	1.05e-03	0.71	-0.03	-1.18e-04	0.0	3.99e-06
393	155	1.01e-03	0.68	-0.03	-1.13e-04	0.0	3.64e-06
393	156	1.47e-03	1.02	-0.02	-1.66e-04	0.0	4.50e-06
394	3	-9.39e-03	0.95	-0.51	-2.84e-04	0.0	-7.95e-06
394	4	-8.80e-03	1.01	-0.54	-2.99e-04	0.0	-6.12e-06
394	17	-21.82	-1.53	0.49	9.38e-05	0.0	1.20e-03
394	19	21.81	4.27	-1.14	-6.06e-04	0.0	-1.08e-03
394	23	19.98	4.74	-1.09	-6.36e-04	0.0	-1.25e-03
394	49	-18.59	-1.07	0.37	5.06e-05	0.0	1.04e-03
394	51	18.58	3.88	-1.02	-5.71e-04	0.0	-9.08e-04
394	67	4.08	4.38	-0.55	-5.97e-04	0.0	-1.18e-04
394	81	-16.16	-0.84	0.28	2.24e-05	0.0	9.07e-04

394	83	16.15	3.47	-0.93	-5.22e-04	0.0	-7.88e-04
394	99	3.51	3.95	-0.52	-5.49e-04	0.0	-9.79e-05
394	113	-27.16	-2.10	0.69	1.60e-04	0.0	1.49e-03
394	115	27.15	5.12	-1.34	-7.03e-04	0.0	-1.35e-03
394	119	25.47	5.77	-1.30	-7.49e-04	0.0	-1.59e-03
394	145	-6.51e-03	0.67	-0.36	-1.98e-04	0.0	-5.22e-06
394	146	-6.12e-03	0.70	-0.38	-2.09e-04	0.0	-3.99e-06
394	151	-5.39e-03	0.58	-0.32	-1.71e-04	0.0	-3.67e-06
394	156	-5.01e-03	0.55	-0.31	-1.62e-04	0.0	-3.16e-06
395	3	-0.01	1.12	-0.52	-2.82e-04	0.0	-3.54e-06
395	4	-8.83e-03	1.18	-0.56	-2.97e-04	0.0	0.0
395	17	-23.47	-1.58	0.50	1.04e-04	0.0	1.29e-03
395	19	23.46	4.62	-1.17	-5.93e-04	0.0	-1.13e-03
395	23	21.48	5.10	-1.12	-6.23e-04	0.0	-1.31e-03
395	49	-19.99	-1.10	0.38	6.05e-05	0.0	1.12e-03
395	51	19.98	4.21	-1.05	-5.57e-04	0.0	-9.47e-04
395	67	4.35	4.72	-0.57	-5.59e-04	0.0	-1.03e-04
395	81	-17.38	-0.85	0.29	3.12e-05	0.0	9.73e-04
395	83	17.37	3.76	-0.95	-5.09e-04	0.0	-8.22e-04
395	99	3.75	4.26	-0.53	-5.15e-04	0.0	-8.28e-05
395	113	-29.22	-2.19	0.71	1.72e-04	0.0	1.59e-03
395	115	29.21	5.52	-1.38	-6.88e-04	0.0	-1.41e-03
395	119	27.38	6.20	-1.34	-7.34e-04	0.0	-1.67e-03
395	145	-6.94e-03	0.78	-0.37	-1.97e-04	0.0	-1.98e-06
395	146	-6.09e-03	0.82	-0.39	-2.08e-04	0.0	0.0
395	151	-5.56e-03	0.68	-0.33	-1.70e-04	0.0	0.0
395	156	-5.10e-03	0.64	-0.32	-1.61e-04	0.0	0.0
396	3	-8.15e-03	1.28	-0.53	-2.81e-04	0.0	4.67e-06
396	4	-6.39e-03	1.35	-0.57	-2.98e-04	0.0	9.97e-06
396	17	-25.12	-1.64	0.51	1.13e-04	0.0	1.38e-03
396	19	25.11	4.95	-1.19	-5.74e-04	0.0	-1.20e-03
396	23	22.95	5.45	-1.14	-6.04e-04	0.0	-1.38e-03
396	49	-21.40	-1.13	0.39	7.03e-05	0.0	1.20e-03
396	51	21.39	4.52	-1.07	-5.37e-04	0.0	-1.00e-03
396	67	4.61	5.02	-0.58	-5.09e-04	0.0	-1.01e-04
396	81	-18.60	-0.87	0.29	3.99e-05	0.0	1.04e-03
396	83	18.59	4.05	-0.97	-4.91e-04	0.0	-8.70e-04
396	99	3.97	4.54	-0.54	-4.70e-04	0.0	-7.98e-05
396	113	-31.27	-2.29	0.72	1.83e-04	0.0	1.70e-03
396	115	31.26	5.91	-1.40	-6.66e-04	0.0	-1.50e-03
396	119	29.27	6.62	-1.36	-7.12e-04	0.0	-1.77e-03
396	145	-5.53e-03	0.90	-0.38	-1.97e-04	0.0	3.83e-06
396	146	-4.36e-03	0.95	-0.40	-2.08e-04	0.0	7.36e-06
396	151	-4.24e-03	0.77	-0.33	-1.70e-04	0.0	4.83e-06
396	156	-3.81e-03	0.73	-0.32	-1.61e-04	0.0	5.17e-06
397	3	-5.25e-03	1.45	-0.54	-2.83e-04	0.0	1.20e-05
397	4	-3.38e-03	1.53	-0.57	-3.00e-04	0.0	1.84e-05
397	17	-26.76	-1.71	0.52	1.20e-04	0.0	1.47e-03
397	19	26.75	5.28	-1.20	-5.53e-04	0.0	-1.28e-03
397	23	24.42	5.79	-1.15	-5.83e-04	0.0	-1.47e-03
397	49	-22.80	-1.17	0.39	7.73e-05	0.0	1.28e-03
397	51	22.79	4.82	-1.08	-5.15e-04	0.0	-1.08e-03
397	67	4.85	5.30	-0.58	-4.56e-04	0.0	-1.27e-04
397	81	-19.82	-0.89	0.30	4.60e-05	0.0	1.11e-03
397	83	19.81	4.33	-0.98	-4.72e-04	0.0	-9.37e-04
397	99	4.18	4.79	-0.55	-4.23e-04	0.0	-1.02e-04
397	113	-33.31	-2.40	0.73	1.91e-04	0.0	1.82e-03
397	115	33.30	6.28	-1.42	-6.41e-04	0.0	-1.61e-03
397	119	31.14	7.02	-1.38	-6.87e-04	0.0	-1.88e-03
397	145	-3.50e-03	1.01	-0.38	-1.98e-04	0.0	8.95e-06
397	146	-2.26e-03	1.07	-0.40	-2.09e-04	0.0	1.32e-05
397	151	-2.49e-03	0.87	-0.34	-1.72e-04	0.0	9.38e-06
397	156	-2.16e-03	0.83	-0.32	-1.63e-04	0.0	9.52e-06
398	4	-1.19e-03	1.70	-0.57	-3.04e-04	0.0	1.94e-05
398	9	3.25e-03	1.03	-0.39	-1.89e-04	0.0	2.52e-05
398	17	-28.39	-1.78	0.52	1.24e-04	0.0	1.56e-03
398	19	28.39	5.59	-1.21	-5.36e-04	0.0	-1.56e-03
398	23	25.89	6.12	-1.16	-5.66e-04	0.0	-1.58e-03
398	49	-24.20	-1.22	0.39	8.14e-05	0.0	1.36e-03
398	51	24.20	5.11	-1.08	-4.97e-04	0.0	-1.36e-03
398	67	5.09	5.54	-0.59	-4.13e-04	0.0	-1.60e-04
398	81	-21.04	-0.92	0.30	4.95e-05	0.0	1.19e-03
398	83	21.03	4.59	-0.99	-4.56e-04	0.0	-1.18e-03
398	99	4.38	5.02	-0.55	-3.84e-04	0.0	-1.31e-04
398	113	-35.34	-2.51	0.73	1.95e-04	0.0	1.93e-03

398	115	35.34	6.65	-1.43	-6.21e-04	0.0	-1.94e-03
398	119	33.01	7.41	-1.38	-6.66e-04	0.0	-2.01e-03
398	146	-7.58e-04	1.19	-0.41	-2.12e-04	0.0	1.38e-05
398	147	2.20e-03	0.74	-0.29	-1.36e-04	0.0	1.77e-05
398	151	-1.07e-03	0.98	-0.34	-1.74e-04	0.0	9.99e-06
398	156	-8.64e-04	0.92	-0.33	-1.65e-04	0.0	9.99e-06
399	4	-2.04e-03	1.88	-0.57	-3.07e-04	0.0	2.79e-06
399	17	-30.03	-1.85	0.52	1.22e-04	0.0	1.64e-03
399	19	30.02	5.90	-1.21	-5.29e-04	0.0	-1.64e-03
399	23	27.34	6.44	-1.16	-5.59e-04	0.0	-1.66e-03
399	49	-25.60	-1.26	0.39	8.01e-05	0.0	1.43e-03
399	51	25.59	5.39	-1.09	-4.91e-04	0.0	-1.43e-03
399	67	5.31	5.77	-0.59	-4.00e-04	0.0	-1.62e-04
399	81	-22.26	-0.95	0.30	4.81e-05	0.0	1.25e-03
399	83	22.25	4.85	-0.99	-4.51e-04	0.0	-1.24e-03
399	99	4.57	5.23	-0.55	-3.73e-04	0.0	-1.34e-04
399	113	-37.37	-2.62	0.73	1.94e-04	0.0	2.03e-03
399	115	37.37	7.00	-1.43	-6.13e-04	0.0	-2.03e-03
399	119	34.86	7.79	-1.39	-6.58e-04	0.0	-2.11e-03
399	146	-1.42e-03	1.31	-0.41	-2.14e-04	0.0	2.01e-06
399	151	-1.14e-03	1.08	-0.34	-1.75e-04	0.0	1.34e-06
399	156	-1.08e-03	1.02	-0.33	-1.66e-04	0.0	1.38e-06
400	3	-9.32e-03	0.95	-0.48	-2.83e-04	0.0	-7.11e-06
400	4	-8.73e-03	1.01	-0.51	-3.00e-04	0.0	-5.25e-06
400	17	-21.82	-0.95	1.86	2.39e-05	0.0	1.20e-03
400	19	21.81	3.72	-2.53	-5.79e-04	0.0	-1.08e-03
400	35	5.30	4.27	-1.04	-6.55e-04	0.0	-2.10e-04
400	49	-18.59	-0.58	1.54	-1.25e-05	0.0	1.04e-03
400	51	18.58	3.41	-2.21	-5.53e-04	0.0	-9.08e-04
400	67	4.08	4.23	-0.93	-6.56e-04	0.0	-1.18e-04
400	81	-16.16	-0.41	1.30	-3.30e-05	0.0	9.09e-04
400	83	16.15	3.06	-1.96	-5.07e-04	0.0	-7.89e-04
400	99	3.51	3.82	-0.85	-6.02e-04	0.0	-9.78e-05
400	113	-27.16	-1.38	2.40	7.46e-05	0.0	1.49e-03
400	115	27.15	4.42	-3.07	-6.68e-04	0.0	-1.35e-03
400	131	6.84	4.97	-1.23	-7.44e-04	0.0	-2.91e-04
400	145	-6.46e-03	0.67	-0.34	-1.98e-04	0.0	-4.64e-06
400	146	-6.07e-03	0.70	-0.36	-2.09e-04	0.0	-3.40e-06
400	151	-5.34e-03	0.57	-0.31	-1.71e-04	0.0	-3.19e-06
400	156	-4.97e-03	0.54	-0.29	-1.63e-04	0.0	-2.70e-06
401	3	-0.01	1.12	-0.50	-2.85e-04	0.0	-3.41e-06
401	4	-8.84e-03	1.18	-0.53	-3.02e-04	0.0	0.0
401	17	-23.47	-0.96	1.86	3.02e-05	0.0	1.29e-03
401	19	23.46	4.04	-2.55	-5.47e-04	0.0	-1.13e-03
401	35	5.68	4.64	-1.06	-5.83e-04	0.0	-2.00e-04
401	49	-20.00	-0.56	1.53	-5.56e-06	0.0	1.12e-03
401	51	19.98	3.72	-2.23	-5.20e-04	0.0	-9.47e-04
401	67	4.35	4.59	-0.95	-5.82e-04	0.0	-1.03e-04
401	81	-17.38	-0.38	1.29	-2.69e-05	0.0	9.72e-04
401	83	17.37	3.34	-1.98	-4.77e-04	0.0	-8.22e-04
401	99	3.75	4.15	-0.87	-5.36e-04	0.0	-8.31e-05
401	113	-29.22	-1.42	2.39	8.18e-05	0.0	1.59e-03
401	115	29.21	4.80	-3.09	-6.29e-04	0.0	-1.41e-03
401	131	7.32	5.39	-1.24	-6.61e-04	0.0	-2.82e-04
401	145	-6.95e-03	0.78	-0.35	-2.00e-04	0.0	-1.90e-06
401	146	-6.10e-03	0.82	-0.37	-2.11e-04	0.0	0.0
401	151	-5.57e-03	0.68	-0.32	-1.73e-04	0.0	0.0
401	156	-5.11e-03	0.64	-0.30	-1.64e-04	0.0	0.0
402	3	-8.15e-03	1.28	-0.51	-2.86e-04	0.0	4.65e-06
402	4	-6.39e-03	1.36	-0.54	-3.03e-04	0.0	9.97e-06
402	17	-25.12	-0.97	1.86	4.26e-05	0.0	1.38e-03
402	19	25.11	4.34	-2.56	-5.07e-04	0.0	-1.20e-03
402	35	6.03	4.95	-1.07	-4.91e-04	0.0	-2.04e-04
402	49	-21.40	-0.55	1.53	7.51e-06	0.0	1.20e-03
402	51	21.39	4.00	-2.24	-4.78e-04	0.0	-1.00e-03
402	67	4.61	4.90	-0.96	-4.86e-04	0.0	-1.01e-04
402	81	-18.60	-0.37	1.29	-1.53e-05	0.0	1.04e-03
402	83	18.59	3.60	-1.99	-4.40e-04	0.0	-8.71e-04
402	99	3.97	4.44	-0.88	-4.50e-04	0.0	-8.05e-05
402	113	-31.27	-1.46	2.39	9.61e-05	0.0	1.70e-03
402	115	31.26	5.14	-3.11	-5.82e-04	0.0	-1.50e-03
402	131	7.79	5.74	-1.26	-5.53e-04	0.0	-2.90e-04
402	145	-5.54e-03	0.90	-0.36	-2.00e-04	0.0	3.82e-06
402	146	-4.36e-03	0.95	-0.38	-2.12e-04	0.0	7.36e-06
402	151	-4.24e-03	0.78	-0.32	-1.73e-04	0.0	4.83e-06

402	156	-3.81e-03	0.74	-0.31	-1.64e-04	0.0	5.17e-06
403	3	-5.23e-03	1.45	-0.51	-2.85e-04	0.0	1.18e-05
403	4	-3.36e-03	1.54	-0.54	-3.02e-04	0.0	1.82e-05
403	17	-26.76	-1.00	1.86	5.81e-05	0.0	1.47e-03
403	19	26.75	4.62	-2.57	-4.68e-04	0.0	-1.29e-03
403	35	6.38	5.20	-1.08	-3.98e-04	0.0	-2.35e-04
403	49	-22.80	-0.56	1.53	2.36e-05	0.0	1.28e-03
403	51	22.79	4.26	-2.25	-4.37e-04	0.0	-1.08e-03
403	67	4.85	5.15	-0.97	-3.90e-04	0.0	-1.27e-04
403	81	-19.82	-0.36	1.29	0.0	0.0	1.11e-03
403	83	19.81	3.84	-2.00	-4.03e-04	0.0	-9.38e-04
403	99	4.18	4.67	-0.89	-3.65e-04	0.0	-1.03e-04
403	113	-33.31	-1.52	2.39	1.14e-04	0.0	1.82e-03
403	115	33.30	5.46	-3.12	-5.37e-04	0.0	-1.61e-03
403	119	31.14	6.05	-2.99	-5.74e-04	0.0	-1.88e-03
403	145	-3.49e-03	1.02	-0.36	-2.00e-04	0.0	8.82e-06
403	146	-2.24e-03	1.07	-0.38	-2.11e-04	0.0	1.31e-05
403	151	-2.48e-03	0.88	-0.32	-1.73e-04	0.0	9.25e-06
403	156	-2.14e-03	0.83	-0.31	-1.64e-04	0.0	9.40e-06
404	4	-1.08e-03	1.71	-0.55	-2.99e-04	0.0	1.80e-05
404	9	3.33e-03	1.04	-0.37	-1.81e-04	0.0	2.37e-05
404	17	-28.39	-1.03	1.86	7.26e-05	0.0	1.56e-03
404	19	28.39	4.88	-2.57	-4.39e-04	0.0	-1.56e-03
404	35	6.71	5.40	-1.08	-3.29e-04	0.0	-2.72e-04
404	49	-24.20	-0.58	1.53	3.83e-05	0.0	1.36e-03
404	51	24.20	4.50	-2.25	-4.07e-04	0.0	-1.36e-03
404	67	5.09	5.34	-0.98	-3.18e-04	0.0	-1.60e-04
404	81	-21.04	-0.36	1.29	1.23e-05	0.0	1.18e-03
404	83	21.03	4.06	-2.00	-3.77e-04	0.0	-1.18e-03
404	99	4.38	4.85	-0.89	-3.00e-04	0.0	-1.31e-04
404	113	-35.34	-1.59	2.39	1.30e-04	0.0	1.93e-03
404	115	35.34	5.76	-3.12	-5.04e-04	0.0	-1.93e-03
404	119	33.01	6.36	-3.00	-5.41e-04	0.0	-2.01e-03
404	146	-6.83e-04	1.20	-0.39	-2.08e-04	0.0	1.28e-05
404	147	2.26e-03	0.75	-0.27	-1.30e-04	0.0	1.66e-05
404	151	-1.01e-03	0.98	-0.33	-1.71e-04	0.0	9.25e-06
404	156	-8.08e-04	0.93	-0.31	-1.62e-04	0.0	9.26e-06
405	4	-1.27e-03	1.88	-0.55	-2.97e-04	0.0	3.25e-06
405	17	-30.03	-1.08	1.86	7.98e-05	0.0	1.64e-03
405	19	30.03	5.12	-2.57	-4.30e-04	0.0	-1.64e-03
405	35	7.04	5.56	-1.08	-3.02e-04	0.0	-2.76e-04
405	49	-25.60	-0.60	1.53	4.54e-05	0.0	1.43e-03
405	51	25.60	4.72	-2.25	-3.98e-04	0.0	-1.43e-03
405	67	5.32	5.50	-0.98	-2.90e-04	0.0	-1.62e-04
405	81	-22.26	-0.37	1.29	1.87e-05	0.0	1.25e-03
405	83	22.25	4.27	-2.00	-3.68e-04	0.0	-1.25e-03
405	99	4.57	4.99	-0.89	-2.75e-04	0.0	-1.34e-04
405	113	-37.37	-1.67	2.39	1.39e-04	0.0	2.03e-03
405	115	37.37	6.03	-3.12	-4.94e-04	0.0	-2.03e-03
405	119	34.87	6.66	-3.00	-5.30e-04	0.0	-2.11e-03
405	146	-8.85e-04	1.32	-0.39	-2.07e-04	0.0	2.33e-06
405	151	-7.08e-04	1.08	-0.33	-1.70e-04	0.0	1.64e-06
405	156	-6.73e-04	1.02	-0.31	-1.61e-04	0.0	1.66e-06
406	4	4.23e-04	0.17	-0.61	0.0	0.0	0.0
406	23	14.68	2.62	-0.73	0.0	4.73e-03	-6.66e-04
406	24	15.25	1.66	-0.59	0.0	4.88e-03	-7.37e-04
406	48	12.98	1.10	-0.51	0.0	4.21e-03	-5.52e-04
406	55	11.77	2.26	-0.67	0.0	3.80e-03	-5.34e-04
406	80	11.29	0.96	-0.49	0.0	3.67e-03	-4.80e-04
406	87	10.19	1.99	-0.63	0.0	3.29e-03	-4.63e-04
406	99	2.22	2.01	-0.62	0.0	7.72e-04	-3.32e-05
406	119	18.71	3.24	-0.82	0.0	6.02e-03	-8.49e-04
406	120	19.36	2.12	-0.66	0.0	6.20e-03	-9.29e-04
406	146	2.96e-04	0.12	-0.43	0.0	0.0	0.0
406	151	2.44e-04	0.10	-0.35	0.0	0.0	0.0
406	156	2.32e-04	0.09	-0.33	0.0	0.0	0.0
407	4	4.19e-04	0.17	-0.38	0.0	0.0	0.0
407	16	14.23	1.39	-0.09	0.0	4.67e-03	-6.39e-04
407	23	13.71	2.62	-0.02	0.0	4.47e-03	-6.66e-04
407	26	-13.71	-2.43	-0.40	0.0	-4.47e-03	6.66e-04
407	48	12.19	1.10	-0.11	0.0	3.99e-03	-5.52e-04
407	55	11.00	2.26	-0.04	0.0	3.58e-03	-5.35e-04
407	58	-11.00	-2.08	-0.37	0.0	-3.58e-03	5.35e-04
407	80	10.61	0.96	-0.13	0.0	3.47e-03	-4.80e-04
407	90	-9.53	-1.80	-0.35	0.0	-3.10e-03	4.63e-04

407	99	2.14	2.01	-0.08	0.0	7.51e-04	-3.32e-05
407	119	17.47	3.24	0.03	0.0	5.69e-03	-8.49e-04
407	120	18.03	2.12	-0.04	0.0	5.84e-03	-9.29e-04
407	122	-17.47	-3.06	-0.44	0.0	-5.69e-03	8.49e-04
407	146	2.93e-04	0.12	-0.26	0.0	0.0	0.0
407	151	2.42e-04	0.10	-0.22	0.0	0.0	0.0
407	156	2.29e-04	0.09	-0.21	0.0	0.0	0.0
408	4	4.95e-04	0.32	-0.68	0.0	0.0	0.0
408	23	17.42	3.09	-0.79	0.0	4.69e-03	-7.76e-04
408	24	17.99	1.99	-0.64	0.0	4.84e-03	-8.57e-04
408	48	15.31	1.35	-0.56	0.0	4.20e-03	-6.42e-04
408	55	13.94	2.67	-0.73	0.0	3.77e-03	-6.23e-04
408	80	13.32	1.19	-0.54	0.0	3.65e-03	-5.59e-04
408	87	12.07	2.36	-0.68	0.0	3.26e-03	-5.39e-04
408	99	2.78	2.37	-0.67	0.0	7.64e-04	-4.17e-05
408	119	22.21	3.81	-0.89	0.0	5.97e-03	-9.89e-04
408	120	22.86	2.53	-0.72	0.0	6.15e-03	-1.08e-03
408	146	3.45e-04	0.22	-0.47	0.0	0.0	0.0
408	151	2.85e-04	0.18	-0.39	0.0	0.0	0.0
408	156	2.69e-04	0.17	-0.37	0.0	0.0	0.0
409	4	4.71e-04	0.32	-0.44	0.0	0.0	0.0
409	16	16.86	1.68	-0.10	0.0	4.65e-03	-7.43e-04
409	23	16.30	3.09	-2.23e-03	0.0	4.43e-03	-7.75e-04
409	26	-16.30	-2.74	-0.48	0.0	-4.43e-03	7.75e-04
409	48	14.40	1.35	-0.12	0.0	3.98e-03	-6.42e-04
409	55	13.05	2.67	-0.03	0.0	3.56e-03	-6.22e-04
409	58	-13.05	-2.33	-0.45	0.0	-3.56e-03	6.22e-04
409	80	12.52	1.19	-0.14	0.0	3.46e-03	-5.59e-04
409	90	-11.30	-2.01	-0.42	0.0	-3.08e-03	5.39e-04
409	99	2.69	2.37	-0.08	0.0	7.42e-04	-4.17e-05
409	119	20.77	3.81	0.06	0.0	5.64e-03	-9.89e-04
409	120	21.32	2.53	-0.04	0.0	5.79e-03	-1.08e-03
409	122	-20.77	-3.46	-0.53	0.0	-5.64e-03	9.89e-04
409	146	3.29e-04	0.22	-0.31	0.0	0.0	0.0
409	151	2.71e-04	0.18	-0.25	0.0	0.0	0.0
409	156	2.56e-04	0.17	-0.24	0.0	0.0	0.0
410	4	5.66e-04	0.47	-0.72	0.0	0.0	0.0
410	23	20.14	3.58	-0.83	0.0	4.64e-03	-8.82e-04
410	24	20.72	2.34	-0.68	0.0	4.79e-03	-9.73e-04
410	48	17.66	1.62	-0.60	0.0	4.17e-03	-7.32e-04
410	55	16.11	3.11	-0.77	0.0	3.73e-03	-7.09e-04
410	80	15.36	1.43	-0.57	0.0	3.63e-03	-6.37e-04
410	87	13.94	2.75	-0.72	0.0	3.23e-03	-6.14e-04
410	99	3.34	2.75	-0.70	0.0	7.54e-04	-5.02e-05
410	119	25.68	4.41	-0.94	0.0	5.91e-03	-1.13e-03
410	120	26.34	2.96	-0.76	0.0	6.08e-03	-1.23e-03
410	146	3.94e-04	0.33	-0.50	0.0	0.0	0.0
410	151	3.25e-04	0.27	-0.41	0.0	0.0	0.0
410	156	3.07e-04	0.26	-0.39	0.0	0.0	0.0
411	4	5.23e-04	0.47	-0.48	0.0	0.0	0.0
411	16	19.49	2.00	-0.10	0.0	4.62e-03	-8.46e-04
411	23	18.86	3.58	7.60e-03	0.0	4.38e-03	-8.82e-04
411	26	-18.86	-3.07	-0.53	0.0	-4.38e-03	8.82e-04
411	48	16.62	1.63	-0.13	0.0	3.96e-03	-7.32e-04
411	55	15.10	3.11	-0.03	0.0	3.52e-03	-7.08e-04
411	58	-15.10	-2.60	-0.50	0.0	-3.52e-03	7.08e-04
411	80	14.45	1.43	-0.14	0.0	3.44e-03	-6.37e-04
411	90	-13.07	-2.24	-0.47	0.0	-3.05e-03	6.14e-04
411	99	3.24	2.75	-0.08	0.0	7.31e-04	-5.02e-05
411	119	24.05	4.41	0.07	0.0	5.58e-03	-1.13e-03
411	120	24.59	2.96	-0.03	0.0	5.73e-03	-1.23e-03
411	122	-24.04	-3.90	-0.60	0.0	-5.58e-03	1.13e-03
411	146	3.64e-04	0.33	-0.34	0.0	0.0	0.0
411	151	3.00e-04	0.27	-0.28	0.0	0.0	0.0
411	156	2.84e-04	0.26	-0.26	0.0	0.0	0.0
412	4	6.38e-04	0.62	-0.75	0.0	0.0	0.0
412	16	23.48	2.33	-0.67	0.0	4.84e-03	-9.51e-04
412	23	22.83	4.10	-0.86	0.0	4.58e-03	-9.88e-04
412	48	20.01	1.91	-0.63	0.0	4.15e-03	-8.23e-04
412	55	18.25	3.56	-0.80	0.0	3.68e-03	-7.94e-04
412	80	17.40	1.68	-0.60	0.0	3.61e-03	-7.17e-04
412	87	15.80	3.15	-0.75	0.0	3.19e-03	-6.88e-04
412	119	29.11	5.03	-0.97	0.0	5.83e-03	-1.26e-03
412	120	29.80	3.41	-0.80	0.0	6.01e-03	-1.37e-03
412	146	4.44e-04	0.43	-0.53	0.0	0.0	0.0

412	151	3.66e-04	0.36	-0.43	0.0	0.0	0.0
412	156	3.45e-04	0.34	-0.41	0.0	0.0	0.0
413	4	5.74e-04	0.63	-0.53	0.0	0.0	0.0
413	16	22.11	2.33	-0.11	0.0	4.59e-03	-9.51e-04
413	23	21.40	4.10	3.97e-03	0.0	4.33e-03	-9.87e-04
413	26	-21.40	-3.42	-0.58	0.0	-4.33e-03	9.87e-04
413	48	18.84	1.91	-0.14	0.0	3.93e-03	-8.22e-04
413	55	17.13	3.56	-0.03	0.0	3.48e-03	-7.93e-04
413	58	-17.13	-2.88	-0.55	0.0	-3.48e-03	7.93e-04
413	80	16.37	1.69	-0.16	0.0	3.42e-03	-7.17e-04
413	87	14.82	3.15	-0.06	0.0	3.01e-03	-6.87e-04
413	90	-14.82	-2.48	-0.52	0.0	-3.01e-03	6.87e-04
413	119	27.28	5.03	0.08	0.0	5.52e-03	-1.26e-03
413	120	27.84	3.41	-0.03	0.0	5.67e-03	-1.37e-03
413	122	-27.28	-4.36	-0.66	0.0	-5.52e-03	1.26e-03
413	146	4.00e-04	0.44	-0.37	0.0	0.0	0.0
413	151	3.29e-04	0.36	-0.31	0.0	0.0	0.0
413	156	3.11e-04	0.34	-0.29	0.0	0.0	0.0
414	4	7.09e-04	0.76	-0.80	0.0	0.0	0.0
414	16	26.24	2.66	-0.70	0.0	4.82e-03	-1.06e-03
414	23	25.49	4.61	-0.89	0.0	4.54e-03	-1.09e-03
414	48	22.36	2.19	-0.66	0.0	4.13e-03	-9.16e-04
414	55	20.38	4.01	-0.83	0.0	3.65e-03	-8.78e-04
414	80	19.44	1.94	-0.63	0.0	3.59e-03	-7.98e-04
414	87	17.64	3.55	-0.78	0.0	3.16e-03	-7.61e-04
414	119	32.50	5.66	-1.00	0.0	5.78e-03	-1.39e-03
414	120	33.22	3.86	-0.82	0.0	5.95e-03	-1.52e-03
414	146	4.93e-04	0.53	-0.56	0.0	0.0	0.0
414	151	4.06e-04	0.43	-0.46	0.0	0.0	0.0
414	156	3.83e-04	0.41	-0.44	0.0	0.0	0.0
415	4	6.26e-04	0.78	-0.61	0.0	0.0	0.0
415	16	24.72	2.67	-0.14	0.0	4.57e-03	-1.06e-03
415	23	23.91	4.63	-0.02	0.0	4.29e-03	-1.09e-03
415	26	-23.91	-3.78	-0.64	0.0	-4.29e-03	1.09e-03
415	48	21.05	2.20	-0.17	0.0	3.91e-03	-9.16e-04
415	55	19.14	4.03	-0.06	0.0	3.45e-03	-8.79e-04
415	58	-19.14	-3.18	-0.60	0.0	-3.45e-03	8.78e-04
415	80	18.30	1.95	-0.19	0.0	3.40e-03	-7.98e-04
415	87	16.56	3.57	-0.09	0.0	2.99e-03	-7.61e-04
415	90	-16.56	-2.73	-0.57	0.0	-2.99e-03	7.61e-04
415	119	30.48	5.68	0.05	0.0	5.46e-03	-1.39e-03
415	120	31.05	3.88	-0.06	0.0	5.62e-03	-1.52e-03
415	122	-30.48	-4.83	-0.71	0.0	-5.46e-03	1.39e-03
415	146	4.36e-04	0.54	-0.42	0.0	0.0	0.0
415	151	3.58e-04	0.45	-0.35	0.0	0.0	0.0
415	156	3.38e-04	0.42	-0.33	0.0	0.0	0.0
416	4	7.81e-04	0.83	-0.89	-9.01e-05	0.0	0.0
416	16	29.00	2.92	-0.76	-3.75e-04	4.02e-03	-1.16e-03
416	23	28.12	5.01	-0.94	-5.80e-04	3.77e-03	-1.19e-03
416	48	24.71	2.41	-0.71	-3.21e-04	3.50e-03	-1.00e-03
416	55	22.49	4.36	-0.88	-5.11e-04	3.07e-03	-9.57e-04
416	80	21.48	2.14	-0.68	-2.85e-04	3.05e-03	-8.76e-04
416	87	19.46	3.87	-0.83	-4.54e-04	2.66e-03	-8.30e-04
416	119	35.86	6.15	-1.05	-7.10e-04	4.79e-03	-1.52e-03
416	120	36.62	4.21	-0.88	-5.12e-04	5.03e-03	-1.65e-03
416	146	5.43e-04	0.58	-0.62	-6.40e-05	0.0	0.0
416	151	4.47e-04	0.48	-0.51	-5.27e-05	0.0	0.0
416	156	4.21e-04	0.45	-0.49	-5.09e-05	0.0	0.0
417	4	4.20e-04	0.17	-0.48	0.0	0.0	0.0
417	23	14.04	2.62	-0.24	0.0	4.55e-03	-6.66e-04
417	24	14.55	1.66	-0.24	0.0	4.68e-03	-7.37e-04
417	25	-14.55	-1.47	-0.29	0.0	-4.68e-03	7.37e-04
417	48	12.45	1.10	-0.24	0.0	4.06e-03	-5.52e-04
417	55	11.26	2.26	-0.25	0.0	3.65e-03	-5.34e-04
417	57	-11.82	-1.08	-0.29	0.0	-3.79e-03	6.13e-04
417	80	10.83	0.96	-0.24	0.0	3.54e-03	-4.80e-04
417	89	-10.25	-0.91	-0.29	0.0	-3.29e-03	5.33e-04
417	99	2.17	2.01	-0.27	0.0	7.58e-04	-3.32e-05
417	119	17.88	3.24	-0.24	0.0	5.79e-03	-8.49e-04
417	120	18.47	2.12	-0.23	0.0	5.95e-03	-9.29e-04
417	121	-18.47	-1.94	-0.29	0.0	-5.95e-03	9.29e-04
417	146	2.94e-04	0.12	-0.34	0.0	0.0	0.0
417	151	2.43e-04	0.10	-0.28	0.0	0.0	0.0
417	156	2.30e-04	0.09	-0.26	0.0	0.0	0.0
418	4	3.62e-04	0.02	-0.37	0.0	0.0	0.0

418	23	11.40	2.18	-0.18	0.0	4.56e-03	-5.65e-04
418	24	11.93	1.35	-0.18	0.0	4.70e-03	-6.27e-04
418	26	-11.40	-2.16	-0.23	0.0	-4.56e-03	5.65e-04
418	48	10.23	0.87	-0.19	0.0	4.07e-03	-4.71e-04
418	55	9.19	1.88	-0.18	0.0	3.66e-03	-4.54e-04
418	58	-9.19	-1.86	-0.23	0.0	-3.66e-03	4.54e-04
418	80	8.90	0.75	-0.19	0.0	3.54e-03	-4.10e-04
418	90	-7.96	-1.62	-0.22	0.0	-3.17e-03	3.94e-04
418	99	1.60	1.67	-0.18	0.0	7.61e-04	-2.52e-05
418	119	14.52	2.72	-0.17	0.0	5.81e-03	-7.19e-04
418	120	15.12	1.75	-0.18	0.0	5.97e-03	-7.90e-04
418	122	-14.51	-2.70	-0.23	0.0	-5.81e-03	7.19e-04
418	146	2.54e-04	0.02	-0.26	0.0	0.0	0.0
418	151	2.10e-04	0.01	-0.21	0.0	0.0	0.0
418	156	1.99e-04	0.01	-0.20	0.0	0.0	0.0
419	4	4.79e-04	0.32	-0.53	0.0	0.0	0.0
419	16	17.22	1.68	-0.26	0.0	4.73e-03	-7.43e-04
419	23	16.67	3.09	-0.27	0.0	4.51e-03	-7.76e-04
419	25	-17.18	-1.64	-0.32	0.0	-4.65e-03	8.57e-04
419	48	14.70	1.35	-0.26	0.0	4.05e-03	-6.42e-04
419	55	13.35	2.67	-0.27	0.0	3.62e-03	-6.22e-04
419	57	-13.90	-1.19	-0.32	0.0	-3.76e-03	7.11e-04
419	80	12.79	1.19	-0.27	0.0	3.52e-03	-5.59e-04
419	89	-12.04	-0.99	-0.32	0.0	-3.26e-03	6.18e-04
419	99	2.73	2.37	-0.30	0.0	7.50e-04	-4.17e-05
419	119	21.25	3.81	-0.27	0.0	5.75e-03	-9.89e-04
419	120	21.83	2.53	-0.26	0.0	5.91e-03	-1.08e-03
419	121	-21.83	-2.18	-0.33	0.0	-5.91e-03	1.08e-03
419	146	3.34e-04	0.22	-0.37	0.0	0.0	0.0
419	151	2.76e-04	0.18	-0.31	0.0	0.0	0.0
419	156	2.61e-04	0.17	-0.29	0.0	0.0	0.0
420	4	5.37e-04	0.47	-0.57	0.0	0.0	0.0
420	16	19.89	2.00	-0.28	0.0	4.70e-03	-8.46e-04
420	23	19.29	3.58	-0.29	0.0	4.46e-03	-8.82e-04
420	25	-19.80	-1.83	-0.35	0.0	-4.60e-03	9.73e-04
420	48	16.97	1.62	-0.28	0.0	4.02e-03	-7.32e-04
420	55	15.43	3.11	-0.29	0.0	3.58e-03	-7.09e-04
420	57	-15.98	-1.31	-0.34	0.0	-3.73e-03	8.07e-04
420	80	14.75	1.43	-0.28	0.0	3.50e-03	-6.37e-04
420	89	-13.84	-1.08	-0.34	0.0	-3.23e-03	7.02e-04
420	99	3.28	2.75	-0.32	0.0	7.39e-04	-5.02e-05
420	119	24.59	4.41	-0.28	0.0	5.68e-03	-1.13e-03
420	120	25.17	2.96	-0.27	0.0	5.84e-03	-1.23e-03
420	121	-25.17	-2.45	-0.35	0.0	-5.84e-03	1.23e-03
420	146	3.74e-04	0.33	-0.40	0.0	0.0	0.0
420	151	3.08e-04	0.27	-0.33	0.0	0.0	0.0
420	156	2.92e-04	0.26	-0.31	0.0	0.0	0.0
421	4	5.95e-04	0.62	-0.61	0.0	0.0	0.0
421	16	22.56	2.33	-0.30	0.0	4.67e-03	-9.51e-04
421	23	21.88	4.10	-0.31	0.0	4.41e-03	-9.87e-04
421	25	-22.39	-2.03	-0.37	0.0	-4.55e-03	1.09e-03
421	48	19.23	1.91	-0.30	0.0	4.00e-03	-8.23e-04
421	55	17.50	3.56	-0.31	0.0	3.54e-03	-7.93e-04
421	57	-18.05	-1.44	-0.37	0.0	-3.69e-03	9.02e-04
421	80	16.72	1.68	-0.30	0.0	3.48e-03	-7.17e-04
421	87	15.15	3.15	-0.31	0.0	3.07e-03	-6.87e-04
421	89	-15.63	-1.19	-0.37	0.0	-3.20e-03	7.84e-04
421	119	27.89	5.03	-0.30	0.0	5.62e-03	-1.26e-03
421	120	28.49	3.41	-0.29	0.0	5.78e-03	-1.37e-03
421	121	-28.49	-2.73	-0.38	0.0	-5.78e-03	1.37e-03
421	146	4.14e-04	0.43	-0.43	0.0	0.0	0.0
421	151	3.41e-04	0.36	-0.35	0.0	0.0	0.0
421	156	3.22e-04	0.34	-0.33	0.0	0.0	0.0
422	4	6.54e-04	0.76	-0.67	0.0	0.0	0.0
422	16	25.23	2.66	-0.32	0.0	4.65e-03	-1.06e-03
422	23	24.44	4.61	-0.33	0.0	4.37e-03	-1.09e-03
422	25	-24.97	-2.25	-0.41	0.0	-4.51e-03	1.20e-03
422	48	21.49	2.19	-0.33	0.0	3.98e-03	-9.16e-04
422	55	19.55	4.01	-0.34	0.0	3.51e-03	-8.79e-04
422	57	-20.10	-1.59	-0.41	0.0	-3.66e-03	9.97e-04
422	80	18.68	1.94	-0.33	0.0	3.47e-03	-7.98e-04
422	87	16.92	3.56	-0.34	0.0	3.04e-03	-7.61e-04
422	89	-17.41	-1.31	-0.40	0.0	-3.17e-03	8.67e-04
422	119	31.15	5.66	-0.33	0.0	5.57e-03	-1.39e-03
422	120	31.77	3.86	-0.31	0.0	5.72e-03	-1.52e-03

422	121	-31.77	-3.04	-0.42	0.0	-5.72e-03	1.52e-03
422	146	4.55e-04	0.53	-0.47	0.0	0.0	0.0
422	151	3.74e-04	0.44	-0.38	0.0	0.0	0.0
422	156	3.53e-04	0.41	-0.37	0.0	0.0	0.0
423	4	7.12e-04	0.83	-0.78	-9.16e-05	0.0	0.0
423	16	27.89	2.92	-0.38	-3.81e-04	3.93e-03	-1.16e-03
423	23	26.98	5.01	-0.39	-5.89e-04	3.67e-03	-1.20e-03
423	25	-27.54	-2.45	-0.47	3.13e-04	-3.87e-03	1.31e-03
423	48	23.74	2.41	-0.38	-3.27e-04	3.42e-03	-1.01e-03
423	55	21.59	4.36	-0.39	-5.19e-04	2.98e-03	-9.63e-04
423	57	-22.16	-1.74	-0.47	2.37e-04	-3.20e-03	1.09e-03
423	80	20.64	2.14	-0.39	-2.90e-04	2.98e-03	-8.79e-04
423	87	18.68	3.87	-0.40	-4.61e-04	2.58e-03	-8.34e-04
423	89	-19.19	-1.43	-0.46	1.98e-04	-2.78e-03	9.48e-04
423	119	34.39	6.15	-0.38	-7.21e-04	4.66e-03	-1.53e-03
423	120	35.05	4.21	-0.37	-5.20e-04	4.89e-03	-1.66e-03
423	121	-35.04	-3.31	-0.48	4.17e-04	-4.89e-03	1.66e-03
423	146	4.95e-04	0.58	-0.54	-6.53e-05	0.0	0.0
423	151	4.07e-04	0.48	-0.44	-5.32e-05	0.0	0.0
423	156	3.84e-04	0.45	-0.42	-5.18e-05	0.0	0.0
424	4	4.22e-04	0.17	-0.54	0.0	0.0	0.0
424	23	14.36	2.62	-0.44	0.0	4.64e-03	-6.66e-04
424	24	14.90	1.66	-0.39	0.0	4.79e-03	-7.37e-04
424	48	12.71	1.10	-0.36	0.0	4.14e-03	-5.52e-04
424	55	11.52	2.26	-0.42	0.0	3.73e-03	-5.34e-04
424	80	11.06	0.96	-0.35	0.0	3.60e-03	-4.80e-04
424	87	9.97	1.99	-0.40	0.0	3.23e-03	-4.63e-04
424	99	2.19	2.01	-0.40	0.0	7.65e-04	-3.32e-05
424	119	18.30	3.24	-0.47	0.0	5.92e-03	-8.49e-04
424	120	18.91	2.12	-0.42	0.0	6.08e-03	-9.29e-04
424	146	2.95e-04	0.12	-0.38	0.0	0.0	0.0
424	151	2.43e-04	0.10	-0.31	0.0	0.0	0.0
424	156	2.31e-04	0.09	-0.30	0.0	0.0	0.0
425	4	3.57e-04	0.02	-0.42	0.0	0.0	0.0
425	23	11.67	2.18	-0.36	0.0	4.66e-03	-5.63e-04
425	24	12.23	1.35	-0.31	0.0	4.80e-03	-6.25e-04
425	48	10.45	0.87	-0.29	0.0	4.15e-03	-4.70e-04
425	55	9.40	1.88	-0.34	0.0	3.74e-03	-4.53e-04
425	80	9.10	0.75	-0.28	0.0	3.61e-03	-4.09e-04
425	87	8.15	1.65	-0.32	0.0	3.24e-03	-3.92e-04
425	99	1.62	1.67	-0.32	0.0	7.68e-04	-2.53e-05
425	119	14.86	2.72	-0.39	0.0	5.93e-03	-7.17e-04
425	120	15.49	1.75	-0.34	0.0	6.10e-03	-7.87e-04
425	146	2.50e-04	0.02	-0.29	0.0	0.0	0.0
425	151	2.07e-04	0.01	-0.24	0.0	0.0	0.0
425	156	1.96e-04	0.01	-0.23	0.0	0.0	0.0
426	4	4.87e-04	0.32	-0.59	0.0	0.0	0.0
426	23	17.05	3.09	-0.48	0.0	4.61e-03	-7.76e-04
426	24	17.59	1.99	-0.43	0.0	4.75e-03	-8.57e-04
426	48	15.01	1.35	-0.40	0.0	4.13e-03	-6.42e-04
426	55	13.65	2.67	-0.46	0.0	3.70e-03	-6.23e-04
426	80	13.05	1.19	-0.39	0.0	3.59e-03	-5.59e-04
426	87	11.81	2.36	-0.44	0.0	3.20e-03	-5.39e-04
426	99	2.76	2.37	-0.44	0.0	7.58e-04	-4.17e-05
426	119	21.73	3.81	-0.52	0.0	5.87e-03	-9.89e-04
426	120	22.34	2.53	-0.46	0.0	6.04e-03	-1.08e-03
426	146	3.40e-04	0.22	-0.42	0.0	0.0	0.0
426	151	2.80e-04	0.18	-0.34	0.0	0.0	0.0
426	156	2.65e-04	0.17	-0.33	0.0	0.0	0.0
427	4	5.52e-04	0.47	-0.63	0.0	0.0	0.0
427	16	20.30	2.00	-0.44	0.0	4.79e-03	-8.46e-04
427	23	19.71	3.58	-0.51	0.0	4.56e-03	-8.82e-04
427	48	17.31	1.62	-0.42	0.0	4.10e-03	-7.32e-04
427	55	15.77	3.11	-0.49	0.0	3.66e-03	-7.09e-04
427	80	15.05	1.43	-0.41	0.0	3.57e-03	-6.37e-04
427	87	13.65	2.75	-0.47	0.0	3.17e-03	-6.14e-04
427	99	3.31	2.75	-0.46	0.0	7.47e-04	-5.02e-05
427	119	25.13	4.41	-0.55	0.0	5.80e-03	-1.13e-03
427	120	25.76	2.96	-0.49	0.0	5.97e-03	-1.23e-03
427	146	3.84e-04	0.33	-0.44	0.0	0.0	0.0
427	151	3.17e-04	0.27	-0.36	0.0	0.0	0.0
427	156	2.99e-04	0.26	-0.35	0.0	0.0	0.0
428	4	6.17e-04	0.62	-0.67	0.0	0.0	0.0
428	16	23.02	2.33	-0.47	0.0	4.77e-03	-9.51e-04
428	23	22.35	4.10	-0.54	0.0	4.50e-03	-9.87e-04

428	48	19.62	1.91	-0.45	0.0	4.08e-03	-8.23e-04
428	55	17.88	3.56	-0.52	0.0	3.62e-03	-7.94e-04
428	80	17.06	1.68	-0.44	0.0	3.55e-03	-7.17e-04
428	87	15.47	3.15	-0.50	0.0	3.13e-03	-6.88e-04
428	119	28.50	5.03	-0.59	0.0	5.73e-03	-1.26e-03
428	120	29.14	3.41	-0.52	0.0	5.90e-03	-1.37e-03
428	146	4.29e-04	0.43	-0.47	0.0	0.0	0.0
428	151	3.54e-04	0.36	-0.38	0.0	0.0	0.0
428	156	3.34e-04	0.34	-0.37	0.0	0.0	0.0
429	4	6.81e-04	0.76	-0.72	0.0	0.0	0.0
429	16	25.74	2.66	-0.50	0.0	4.74e-03	-1.06e-03
429	23	24.96	4.61	-0.58	0.0	4.46e-03	-1.09e-03
429	48	21.92	2.19	-0.48	0.0	4.06e-03	-9.16e-04
429	55	19.97	4.01	-0.55	0.0	3.59e-03	-8.78e-04
429	80	19.06	1.94	-0.47	0.0	3.53e-03	-7.98e-04
429	87	17.28	3.56	-0.53	0.0	3.11e-03	-7.61e-04
429	119	31.82	5.66	-0.62	0.0	5.68e-03	-1.39e-03
429	120	32.50	3.86	-0.55	0.0	5.85e-03	-1.52e-03
429	146	4.74e-04	0.53	-0.50	0.0	0.0	0.0
429	151	3.90e-04	0.43	-0.41	0.0	0.0	0.0
429	156	3.68e-04	0.41	-0.39	0.0	0.0	0.0
430	4	7.46e-04	0.83	-0.82	-9.68e-05	0.0	0.0
430	16	28.45	2.92	-0.56	-3.78e-04	3.99e-03	-1.16e-03
430	23	27.55	5.01	-0.64	-5.83e-04	3.73e-03	-1.19e-03
430	48	24.23	2.41	-0.54	-3.25e-04	3.47e-03	-1.01e-03
430	55	22.04	4.36	-0.61	-5.14e-04	3.03e-03	-9.59e-04
430	80	21.06	2.14	-0.53	-2.89e-04	3.02e-03	-8.77e-04
430	87	19.07	3.87	-0.59	-4.57e-04	2.63e-03	-8.31e-04
430	119	35.13	6.15	-0.69	-7.13e-04	4.74e-03	-1.52e-03
430	120	35.84	4.21	-0.61	-5.16e-04	4.97e-03	-1.65e-03
430	146	5.19e-04	0.58	-0.57	-6.87e-05	0.0	0.0
430	151	4.27e-04	0.48	-0.47	-5.64e-05	0.0	0.0
430	156	4.02e-04	0.45	-0.45	-5.46e-05	0.0	0.0
431	4	6.16e-05	0.02	-0.04	0.0	0.0	0.0
431	23	1.92	0.36	-0.02	0.0	3.28e-03	-9.46e-05
431	24	2.01	0.23	-0.02	0.0	3.44e-03	-1.06e-04
431	48	1.72	0.15	-0.02	0.0	2.95e-03	-7.80e-05
431	55	1.55	0.31	-0.02	0.0	2.65e-03	-7.65e-05
431	67	0.31	0.31	-0.02	0.0	5.29e-04	-4.53e-06
431	80	1.50	0.13	-0.02	0.0	2.57e-03	-6.80e-05
431	87	1.34	0.27	-0.02	0.0	2.30e-03	-6.63e-05
431	99	0.26	0.28	-0.02	0.0	4.52e-04	-3.46e-06
431	119	2.44	0.45	-0.02	0.0	4.18e-03	-1.20e-04
431	120	2.55	0.29	-0.02	0.0	4.36e-03	-1.33e-04
431	146	4.32e-05	0.02	-0.03	0.0	0.0	0.0
431	151	3.57e-05	0.01	-0.02	0.0	0.0	0.0
431	156	3.39e-05	0.01	-0.02	0.0	0.0	0.0
432	1	0.0	0.0	0.0	0.0	0.0	0.0
432	15	0.0	0.0	0.0	0.0	3.26e-03	-3.99e-06
432	47	0.0	0.0	0.0	0.0	2.77e-03	-3.33e-06
432	79	0.0	0.0	0.0	0.0	2.41e-03	-2.89e-06
432	111	0.0	0.0	0.0	0.0	4.07e-03	-5.00e-06
432	143	0.0	0.0	0.0	0.0	0.0	0.0
432	150	0.0	0.0	0.0	0.0	0.0	0.0
432	155	0.0	0.0	0.0	0.0	0.0	0.0
433	4	1.23e-04	0.04	-0.08	0.0	0.0	0.0
433	23	3.83	0.73	-0.04	0.0	3.27e-03	-1.91e-04
433	24	4.02	0.46	-0.04	0.0	3.43e-03	-2.13e-04
433	25	-4.02	-0.41	-0.05	0.0	-3.43e-03	2.13e-04
433	48	3.44	0.30	-0.04	0.0	2.94e-03	-1.58e-04
433	57	-3.30	-0.30	-0.05	0.0	-2.81e-03	1.79e-04
433	67	0.62	0.64	-0.04	0.0	5.31e-04	-9.34e-06
433	80	2.99	0.26	-0.04	0.0	2.56e-03	-1.38e-04
433	89	-2.86	-0.25	-0.05	0.0	-2.44e-03	1.56e-04
433	99	0.53	0.57	-0.04	0.0	4.54e-04	-7.16e-06
433	119	4.88	0.91	-0.04	0.0	4.17e-03	-2.43e-04
433	120	5.09	0.59	-0.03	0.0	4.35e-03	-2.68e-04
433	121	-5.09	-0.54	-0.05	0.0	-4.34e-03	2.68e-04
433	146	8.62e-05	0.03	-0.05	0.0	0.0	0.0
433	151	7.13e-05	0.03	-0.04	0.0	0.0	0.0
433	156	6.77e-05	0.02	-0.04	0.0	0.0	0.0
434	4	1.84e-04	0.06	-0.12	0.0	0.0	0.0
434	23	5.74	1.11	-0.06	0.0	3.26e-03	-2.85e-04
434	24	6.02	0.69	-0.05	0.0	3.41e-03	-3.18e-04
434	25	-6.02	-0.63	-0.07	0.0	-3.41e-03	3.18e-04

434	48	5.15	0.45	-0.05	0.0	2.92e-03	-2.36e-04
434	57	-4.93	-0.46	-0.07	0.0	-2.79e-03	2.66e-04
434	67	0.93	0.96	-0.07	0.0	5.35e-04	-1.44e-05
434	80	4.48	0.39	-0.05	0.0	2.55e-03	-2.05e-04
434	89	-4.28	-0.39	-0.07	0.0	-2.42e-03	2.32e-04
434	99	0.79	0.86	-0.07	0.0	4.56e-04	-1.11e-05
434	119	7.31	1.37	-0.05	0.0	4.15e-03	-3.63e-04
434	120	7.62	0.89	-0.05	0.0	4.32e-03	-4.00e-04
434	121	-7.62	-0.83	-0.08	0.0	-4.32e-03	4.00e-04
434	146	1.29e-04	0.04	-0.08	0.0	0.0	0.0
434	151	1.07e-04	0.03	-0.07	0.0	0.0	0.0
434	156	1.01e-04	0.03	-0.06	0.0	0.0	0.0
435	4	2.44e-04	0.06	-0.16	0.0	0.0	0.0
435	23	7.64	1.48	-0.07	0.0	3.24e-03	-3.78e-04
435	24	8.00	0.92	-0.08	0.0	3.39e-03	-4.20e-04
435	26	-7.64	-1.41	-0.10	0.0	-3.24e-03	3.78e-04
435	48	6.85	0.60	-0.08	0.0	2.91e-03	-3.13e-04
435	58	-6.16	-1.21	-0.10	0.0	-2.61e-03	3.05e-04
435	67	1.24	1.28	-0.08	0.0	5.38e-04	-1.97e-05
435	80	5.96	0.52	-0.08	0.0	2.53e-03	-2.73e-04
435	90	-5.33	-1.06	-0.10	0.0	-2.26e-03	2.64e-04
435	99	1.06	1.14	-0.08	0.0	4.60e-04	-1.53e-05
435	119	9.72	1.83	-0.07	0.0	4.13e-03	-4.81e-04
435	120	10.13	1.19	-0.07	0.0	4.30e-03	-5.29e-04
435	122	-9.72	-1.77	-0.11	0.0	-4.13e-03	4.81e-04
435	146	1.71e-04	0.04	-0.11	0.0	0.0	0.0
435	151	1.42e-04	0.03	-0.09	0.0	0.0	0.0
435	156	1.34e-04	0.03	-0.09	0.0	0.0	0.0
436	4	5.92e-05	0.02	-0.04	0.0	0.0	0.0
436	24	2.01	-0.33	-0.02	0.0	3.44e-03	-1.06e-04
436	29	-1.92	0.36	-0.02	0.0	-3.28e-03	9.46e-05
436	48	1.72	-0.26	-0.02	0.0	2.95e-03	-7.80e-05
436	61	-1.55	0.31	-0.02	0.0	-2.65e-03	7.65e-05
436	77	-0.31	0.31	-0.02	0.0	-5.31e-04	4.62e-06
436	80	1.50	-0.22	-0.02	0.0	2.57e-03	-6.79e-05
436	93	-1.34	0.27	-0.02	0.0	-2.30e-03	6.63e-05
436	109	-0.26	0.28	-0.02	0.0	-4.53e-04	3.55e-06
436	120	2.55	-0.41	-0.02	0.0	4.36e-03	-1.33e-04
436	125	-2.44	0.44	-0.02	0.0	-4.18e-03	1.20e-04
436	146	4.14e-05	0.02	-0.03	0.0	0.0	0.0
436	151	3.43e-05	0.01	-0.02	0.0	0.0	0.0
436	156	3.26e-05	0.01	-0.02	0.0	0.0	0.0
437	1	0.0	0.0	0.0	0.0	0.0	0.0
437	15	0.0	0.0	0.0	0.0	3.26e-03	-3.99e-06
437	47	0.0	0.0	0.0	0.0	2.77e-03	-3.33e-06
437	79	0.0	0.0	0.0	0.0	2.41e-03	-2.88e-06
437	111	0.0	0.0	0.0	0.0	4.07e-03	-5.00e-06
437	143	0.0	0.0	0.0	0.0	0.0	0.0
437	150	0.0	0.0	0.0	0.0	0.0	0.0
437	155	0.0	0.0	0.0	0.0	0.0	0.0
438	4	1.19e-04	0.04	-0.08	0.0	0.0	0.0
438	24	4.02	-0.67	-0.05	0.0	3.43e-03	-2.13e-04
438	27	4.02	-0.41	-0.05	0.0	3.43e-03	-2.13e-04
438	29	-3.83	0.73	-0.04	0.0	-3.27e-03	1.91e-04
438	48	3.44	-0.52	-0.05	0.0	2.94e-03	-1.58e-04
438	59	3.30	-0.30	-0.05	0.0	2.81e-03	-1.79e-04
438	77	-0.62	0.64	-0.04	0.0	-5.33e-04	9.53e-06
438	80	2.99	-0.45	-0.05	0.0	2.56e-03	-1.38e-04
438	91	2.86	-0.25	-0.05	0.0	2.44e-03	-1.56e-04
438	109	-0.53	0.57	-0.04	0.0	-4.55e-04	7.33e-06
438	120	5.09	-0.84	-0.05	0.0	4.34e-03	-2.68e-04
438	123	5.09	-0.54	-0.05	0.0	4.34e-03	-2.68e-04
438	125	-4.88	0.91	-0.04	0.0	-4.17e-03	2.43e-04
438	146	8.30e-05	0.03	-0.05	0.0	0.0	0.0
438	151	6.86e-05	0.03	-0.04	0.0	0.0	0.0
438	156	6.52e-05	0.02	-0.04	0.0	0.0	0.0
439	4	1.78e-04	0.06	-0.12	0.0	0.0	0.0
439	24	6.02	-1.02	-0.07	0.0	3.41e-03	-3.18e-04
439	27	6.02	-0.63	-0.07	0.0	3.41e-03	-3.18e-04
439	29	-5.74	1.11	-0.06	0.0	-3.26e-03	2.85e-04
439	48	5.15	-0.80	-0.07	0.0	2.92e-03	-2.36e-04
439	59	4.93	-0.46	-0.07	0.0	2.79e-03	-2.66e-04
439	77	-0.93	0.96	-0.07	0.0	-5.36e-04	1.46e-05
439	80	4.48	-0.70	-0.07	0.0	2.55e-03	-2.05e-04
439	91	4.28	-0.39	-0.07	0.0	2.42e-03	-2.32e-04

439	109	-0.79	0.86	-0.07	0.0	-4.58e-04	1.13e-05
439	120	7.62	-1.29	-0.07	0.0	4.32e-03	-4.00e-04
439	123	7.62	-0.83	-0.08	0.0	4.32e-03	-4.00e-04
439	125	-7.31	1.37	-0.05	0.0	-4.15e-03	3.63e-04
439	146	1.25e-04	0.04	-0.08	0.0	0.0	0.0
439	151	1.03e-04	0.03	-0.07	0.0	0.0	0.0
439	156	9.81e-05	0.03	-0.06	0.0	0.0	0.0
440	4	2.39e-04	0.06	-0.16	0.0	0.0	0.0
440	24	8.00	-1.39	-0.10	0.0	3.39e-03	-4.20e-04
440	28	7.64	-1.41	-0.10	0.0	3.24e-03	-3.78e-04
440	29	-7.64	1.48	-0.07	0.0	-3.24e-03	3.78e-04
440	48	6.85	-1.09	-0.10	0.0	2.91e-03	-3.13e-04
440	60	6.16	-1.21	-0.10	0.0	2.61e-03	-3.05e-04
440	77	-1.24	1.28	-0.08	0.0	-5.39e-04	2.01e-05
440	80	5.96	-0.95	-0.10	0.0	2.53e-03	-2.73e-04
440	92	5.34	-1.06	-0.10	0.0	2.26e-03	-2.64e-04
440	109	-1.06	1.14	-0.08	0.0	-4.61e-04	1.56e-05
440	120	10.13	-1.74	-0.11	0.0	4.30e-03	-5.29e-04
440	124	9.72	-1.77	-0.11	0.0	4.13e-03	-4.81e-04
440	125	-9.72	1.83	-0.07	0.0	-4.13e-03	4.81e-04
440	146	1.67e-04	0.04	-0.11	0.0	0.0	0.0
440	151	1.38e-04	0.03	-0.09	0.0	0.0	0.0
440	156	1.31e-04	0.03	-0.09	0.0	0.0	0.0
441	4	3.00e-04	0.05	-0.23	0.0	0.0	0.0
441	24	9.97	-1.75	-0.15	0.0	3.37e-03	-5.23e-04
441	28	9.52	-1.79	-0.15	0.0	3.23e-03	-4.70e-04
441	29	-9.52	1.84	-0.10	0.0	-3.23e-03	4.70e-04
441	48	8.54	-1.38	-0.14	0.0	2.90e-03	-3.91e-04
441	60	7.68	-1.54	-0.14	0.0	2.60e-03	-3.79e-04
441	77	-1.56	1.59	-0.11	0.0	-5.42e-04	2.61e-05
441	80	7.44	-1.20	-0.14	0.0	2.52e-03	-3.41e-04
441	92	6.65	-1.34	-0.14	0.0	2.25e-03	-3.28e-04
441	109	-1.33	1.41	-0.11	0.0	-4.63e-04	2.04e-05
441	120	12.63	-2.20	-0.15	0.0	4.28e-03	-6.58e-04
441	124	12.12	-2.23	-0.15	0.0	4.11e-03	-5.99e-04
441	125	-12.12	2.28	-0.10	0.0	-4.11e-03	5.99e-04
441	146	2.10e-04	0.03	-0.16	0.0	0.0	0.0
441	151	1.74e-04	0.03	-0.13	0.0	0.0	0.0
441	156	1.65e-04	0.02	-0.12	0.0	0.0	0.0
442	4	3.62e-04	0.02	-0.37	0.0	0.0	0.0
442	24	11.93	-2.12	-0.23	0.0	4.70e-03	-6.27e-04
442	28	11.40	-2.16	-0.23	0.0	4.56e-03	-5.65e-04
442	29	-11.40	2.18	-0.18	0.0	-4.56e-03	5.65e-04
442	48	10.23	-1.67	-0.22	0.0	4.07e-03	-4.71e-04
442	60	9.19	-1.86	-0.23	0.0	3.66e-03	-4.55e-04
442	61	-9.19	1.88	-0.18	0.0	-3.66e-03	4.55e-04
442	80	8.90	-1.46	-0.22	0.0	3.54e-03	-4.10e-04
442	92	7.96	-1.62	-0.22	0.0	3.17e-03	-3.94e-04
442	109	-1.60	1.67	-0.18	0.0	-7.62e-04	2.57e-05
442	120	15.12	-2.65	-0.23	0.0	5.97e-03	-7.90e-04
442	124	14.52	-2.70	-0.23	0.0	5.81e-03	-7.20e-04
442	125	-14.52	2.72	-0.17	0.0	-5.81e-03	7.20e-04
442	146	2.54e-04	0.02	-0.26	0.0	0.0	0.0
442	151	2.10e-04	0.01	-0.21	0.0	0.0	0.0
442	156	1.99e-04	0.01	-0.20	0.0	0.0	0.0
443	4	5.73e-05	0.02	-0.04	0.0	0.0	0.0
443	24	2.06	-0.33	-4.99e-03	0.0	3.53e-03	-1.06e-04
443	29	-1.97	0.36	-0.04	0.0	-3.37e-03	9.46e-05
443	48	1.76	-0.25	-8.62e-03	0.0	3.01e-03	-7.80e-05
443	61	-1.59	0.31	-0.04	0.0	-2.71e-03	7.65e-05
443	77	-0.31	0.31	-0.04	0.0	-5.38e-04	4.63e-06
443	80	1.53	-0.22	-0.01	0.0	2.62e-03	-6.80e-05
443	93	-1.37	0.27	-0.04	0.0	-2.35e-03	6.63e-05
443	109	-0.27	0.28	-0.04	0.0	-4.59e-04	3.55e-06
443	120	2.61	-0.41	-7.98e-05	0.0	4.47e-03	-1.33e-04
443	125	-2.50	0.44	-0.05	0.0	-4.28e-03	1.20e-04
443	146	4.01e-05	0.02	-0.03	0.0	0.0	0.0
443	151	3.32e-05	0.01	-0.03	0.0	0.0	0.0
443	156	3.16e-05	0.01	-0.02	0.0	0.0	0.0
444	4	4.19e-04	0.17	-0.38	0.0	0.0	0.0
444	16	14.23	-2.11	-0.38	0.0	4.67e-03	-6.39e-04
444	28	13.71	-2.43	-0.40	0.0	4.47e-03	-6.66e-04
444	29	-13.71	2.62	-0.02	0.0	-4.47e-03	6.66e-04
444	48	12.19	-1.87	-0.36	0.0	3.99e-03	-5.52e-04
444	60	11.01	-2.08	-0.37	0.0	3.58e-03	-5.35e-04

444	61	-11.01	2.26	-0.04	0.0	-3.58e-03	5.35e-04
444	80	10.61	-1.62	-0.34	0.0	3.47e-03	-4.80e-04
444	92	9.53	-1.80	-0.35	0.0	3.10e-03	-4.63e-04
444	109	-2.14	2.01	-0.08	0.0	-7.52e-04	3.38e-05
444	120	18.03	-3.00	-0.44	0.0	5.84e-03	-9.29e-04
444	124	17.47	-3.06	-0.44	0.0	5.69e-03	-8.49e-04
444	125	-17.47	3.24	0.03	0.0	-5.69e-03	8.49e-04
444	146	2.93e-04	0.12	-0.26	0.0	0.0	0.0
444	151	2.42e-04	0.10	-0.22	0.0	0.0	0.0
444	156	2.29e-04	0.09	-0.21	0.0	0.0	0.0
445	4	4.20e-04	0.17	-0.48	0.0	0.0	0.0
445	24	14.55	-2.38	-0.28	0.0	4.68e-03	-7.37e-04
445	27	14.55	-1.47	-0.29	0.0	4.68e-03	-7.37e-04
445	29	-14.04	2.62	-0.24	0.0	-4.55e-03	6.66e-04
445	48	12.45	-1.87	-0.28	0.0	4.06e-03	-5.52e-04
445	59	11.82	-1.08	-0.29	0.0	3.79e-03	-6.12e-04
445	61	-11.26	2.26	-0.25	0.0	-3.65e-03	5.35e-04
445	80	10.83	-1.62	-0.28	0.0	3.54e-03	-4.80e-04
445	91	10.25	-0.91	-0.29	0.0	3.29e-03	-5.32e-04
445	109	-2.17	2.01	-0.27	0.0	-7.59e-04	3.38e-05
445	120	18.47	-3.00	-0.29	0.0	5.95e-03	-9.29e-04
445	123	18.47	-1.94	-0.29	0.0	5.95e-03	-9.29e-04
445	125	-17.89	3.24	-0.24	0.0	-5.79e-03	8.49e-04
445	146	2.94e-04	0.12	-0.34	0.0	0.0	0.0
445	151	2.42e-04	0.10	-0.28	0.0	0.0	0.0
445	156	2.30e-04	0.09	-0.26	0.0	0.0	0.0
446	4	4.70e-04	0.32	-0.44	0.0	0.0	0.0
446	16	16.86	-2.37	-0.45	0.0	4.65e-03	-7.43e-04
446	28	16.30	-2.74	-0.48	0.0	4.43e-03	-7.76e-04
446	29	-16.30	3.09	-2.03e-03	0.0	-4.43e-03	7.76e-04
446	48	14.40	-2.09	-0.43	0.0	3.98e-03	-6.42e-04
446	60	13.06	-2.33	-0.45	0.0	3.56e-03	-6.23e-04
446	61	-13.05	2.67	-0.03	0.0	-3.56e-03	6.23e-04
446	80	12.52	-1.81	-0.41	0.0	3.46e-03	-5.59e-04
446	92	11.30	-2.01	-0.42	0.0	3.08e-03	-5.39e-04
446	109	-2.70	2.37	-0.08	0.0	-7.43e-04	4.23e-05
446	120	21.32	-3.39	-0.53	0.0	5.79e-03	-1.08e-03
446	124	20.77	-3.46	-0.53	0.0	5.64e-03	-9.89e-04
446	125	-20.77	3.81	0.06	0.0	-5.64e-03	9.89e-04
446	146	3.28e-04	0.22	-0.31	0.0	0.0	0.0
446	151	2.70e-04	0.18	-0.25	0.0	0.0	0.0
446	156	2.56e-04	0.17	-0.24	0.0	0.0	0.0
447	4	4.78e-04	0.32	-0.53	0.0	0.0	0.0
447	16	17.22	-2.38	-0.31	0.0	4.73e-03	-7.43e-04
447	27	17.18	-1.64	-0.32	0.0	4.65e-03	-8.56e-04
447	29	-16.67	3.09	-0.27	0.0	-4.51e-03	7.76e-04
447	48	14.70	-2.09	-0.31	0.0	4.05e-03	-6.42e-04
447	59	13.90	-1.19	-0.32	0.0	3.76e-03	-7.11e-04
447	61	-13.35	2.67	-0.27	0.0	-3.62e-03	6.23e-04
447	80	12.79	-1.81	-0.31	0.0	3.52e-03	-5.59e-04
447	91	12.04	-0.99	-0.32	0.0	3.26e-03	-6.18e-04
447	109	-2.73	2.37	-0.30	0.0	-7.51e-04	4.23e-05
447	120	21.83	-3.39	-0.32	0.0	5.91e-03	-1.08e-03
447	123	21.83	-2.18	-0.33	0.0	5.91e-03	-1.08e-03
447	125	-21.25	3.81	-0.27	0.0	-5.75e-03	9.89e-04
447	146	3.34e-04	0.22	-0.37	0.0	0.0	0.0
447	151	2.75e-04	0.18	-0.31	0.0	0.0	0.0
447	156	2.61e-04	0.17	-0.29	0.0	0.0	0.0
448	4	5.21e-04	0.47	-0.48	0.0	0.0	0.0
448	16	19.49	-2.66	-0.51	0.0	4.62e-03	-8.46e-04
448	28	18.86	-3.07	-0.53	0.0	4.38e-03	-8.82e-04
448	29	-18.86	3.58	7.82e-03	0.0	-4.38e-03	8.82e-04
448	48	16.62	-2.33	-0.49	0.0	3.96e-03	-7.32e-04
448	60	15.10	-2.60	-0.50	0.0	3.52e-03	-7.09e-04
448	61	-15.10	3.11	-0.03	0.0	-3.52e-03	7.09e-04
448	80	14.45	-2.01	-0.46	0.0	3.44e-03	-6.37e-04
448	92	13.07	-2.24	-0.47	0.0	3.05e-03	-6.14e-04
448	109	-3.24	2.75	-0.08	0.0	-7.32e-04	5.08e-05
448	120	24.59	-3.81	-0.59	0.0	5.73e-03	-1.23e-03
448	124	24.05	-3.90	-0.60	0.0	5.58e-03	-1.13e-03
448	125	-24.05	4.41	0.07	0.0	-5.58e-03	1.13e-03
448	146	3.63e-04	0.33	-0.34	0.0	0.0	0.0
448	151	2.99e-04	0.27	-0.28	0.0	0.0	0.0
448	156	2.83e-04	0.26	-0.26	0.0	0.0	0.0
449	4	5.36e-04	0.47	-0.57	0.0	0.0	0.0

449	16	19.89	-2.66	-0.34	0.0	4.70e-03	-8.46e-04
449	27	19.80	-1.83	-0.35	0.0	4.60e-03	-9.73e-04
449	29	-19.29	3.58	-0.29	0.0	-4.46e-03	8.82e-04
449	48	16.97	-2.33	-0.33	0.0	4.02e-03	-7.32e-04
449	59	15.98	-1.31	-0.34	0.0	3.73e-03	-8.07e-04
449	61	-15.44	3.11	-0.29	0.0	-3.58e-03	7.09e-04
449	80	14.75	-2.01	-0.33	0.0	3.50e-03	-6.37e-04
449	91	13.84	-1.08	-0.34	0.0	3.23e-03	-7.02e-04
449	109	-3.28	2.75	-0.32	0.0	-7.40e-04	5.08e-05
449	120	25.17	-3.81	-0.34	0.0	5.84e-03	-1.23e-03
449	123	25.17	-2.45	-0.35	0.0	5.84e-03	-1.23e-03
449	125	-24.59	4.41	-0.28	0.0	-5.68e-03	1.13e-03
449	146	3.74e-04	0.33	-0.40	0.0	0.0	0.0
449	151	3.08e-04	0.27	-0.33	0.0	0.0	0.0
449	156	2.91e-04	0.26	-0.31	0.0	0.0	0.0
450	4	5.73e-04	0.63	-0.53	0.0	0.0	0.0
450	16	22.11	-2.96	-0.56	0.0	4.59e-03	-9.51e-04
450	28	21.40	-3.42	-0.59	0.0	4.33e-03	-9.87e-04
450	29	-21.40	4.10	4.20e-03	0.0	-4.33e-03	9.87e-04
450	48	18.84	-2.59	-0.53	0.0	3.93e-03	-8.22e-04
450	60	17.13	-2.88	-0.55	0.0	3.48e-03	-7.94e-04
450	61	-17.13	3.56	-0.03	0.0	-3.48e-03	7.93e-04
450	80	16.37	-2.23	-0.50	0.0	3.42e-03	-7.17e-04
450	92	14.82	-2.48	-0.52	0.0	3.01e-03	-6.88e-04
450	93	-14.82	3.15	-0.06	0.0	-3.01e-03	6.87e-04
450	120	27.84	-4.25	-0.65	0.0	5.67e-03	-1.37e-03
450	124	27.28	-4.36	-0.66	0.0	5.52e-03	-1.26e-03
450	125	-27.28	5.03	0.08	0.0	-5.52e-03	1.26e-03
450	146	3.99e-04	0.44	-0.37	0.0	0.0	0.0
450	151	3.28e-04	0.36	-0.31	0.0	0.0	0.0
450	156	3.10e-04	0.34	-0.29	0.0	0.0	0.0
451	4	5.94e-04	0.62	-0.61	0.0	0.0	0.0
451	16	22.56	-2.96	-0.36	0.0	4.67e-03	-9.51e-04
451	27	22.39	-2.03	-0.37	0.0	4.55e-03	-1.09e-03
451	29	-21.88	4.10	-0.31	0.0	-4.41e-03	9.87e-04
451	48	19.23	-2.60	-0.36	0.0	4.00e-03	-8.23e-04
451	59	18.05	-1.44	-0.37	0.0	3.69e-03	-9.02e-04
451	61	-17.50	3.56	-0.31	0.0	-3.54e-03	7.94e-04
451	80	16.72	-2.23	-0.36	0.0	3.48e-03	-7.17e-04
451	91	15.63	-1.19	-0.37	0.0	3.20e-03	-7.84e-04
451	93	-15.15	3.15	-0.31	0.0	-3.07e-03	6.88e-04
451	120	28.49	-4.26	-0.37	0.0	5.78e-03	-1.37e-03
451	123	28.49	-2.74	-0.38	0.0	5.78e-03	-1.37e-03
451	125	-27.89	5.03	-0.30	0.0	-5.62e-03	1.26e-03
451	146	4.14e-04	0.43	-0.43	0.0	0.0	0.0
451	151	3.41e-04	0.36	-0.35	0.0	0.0	0.0
451	156	3.22e-04	0.34	-0.33	0.0	0.0	0.0
452	4	6.24e-04	0.78	-0.61	0.0	0.0	0.0
452	16	24.72	-3.28	-0.61	0.0	4.57e-03	-1.06e-03
452	28	23.91	-3.79	-0.64	0.0	4.29e-03	-1.09e-03
452	29	-23.91	4.63	-0.02	0.0	-4.29e-03	1.09e-03
452	48	21.05	-2.87	-0.59	0.0	3.91e-03	-9.16e-04
452	60	19.14	-3.19	-0.60	0.0	3.45e-03	-8.79e-04
452	61	-19.14	4.03	-0.06	0.0	-3.45e-03	8.79e-04
452	80	18.30	-2.46	-0.55	0.0	3.40e-03	-7.98e-04
452	92	16.56	-2.73	-0.57	0.0	2.99e-03	-7.62e-04
452	93	-16.56	3.57	-0.09	0.0	-2.99e-03	7.61e-04
452	120	31.05	-4.72	-0.70	0.0	5.62e-03	-1.52e-03
452	124	30.48	-4.84	-0.71	0.0	5.46e-03	-1.39e-03
452	125	-30.48	5.68	0.05	0.0	-5.46e-03	1.39e-03
452	146	4.34e-04	0.54	-0.42	0.0	0.0	0.0
452	151	3.57e-04	0.45	-0.35	0.0	0.0	0.0
452	156	3.37e-04	0.42	-0.33	0.0	0.0	0.0
453	4	6.53e-04	0.76	-0.67	0.0	0.0	0.0
453	16	25.23	-3.28	-0.40	0.0	4.65e-03	-1.06e-03
453	27	24.97	-2.25	-0.41	0.0	4.51e-03	-1.20e-03
453	29	-24.44	4.62	-0.33	0.0	-4.37e-03	1.09e-03
453	48	21.49	-2.87	-0.39	0.0	3.98e-03	-9.16e-04
453	59	20.10	-1.59	-0.41	0.0	3.66e-03	-9.96e-04
453	61	-19.55	4.02	-0.34	0.0	-3.51e-03	8.79e-04
453	80	18.68	-2.46	-0.39	0.0	3.47e-03	-7.98e-04
453	91	17.41	-1.31	-0.40	0.0	3.17e-03	-8.66e-04
453	93	-16.92	3.56	-0.34	0.0	-3.04e-03	7.61e-04
453	120	31.77	-4.72	-0.40	0.0	5.72e-03	-1.52e-03
453	123	31.77	-3.04	-0.42	0.0	5.72e-03	-1.52e-03

453	125	-31.15	5.66	-0.33	0.0	-5.57e-03	1.39e-03
453	146	4.54e-04	0.53	-0.47	0.0	0.0	0.0
453	151	3.74e-04	0.43	-0.38	0.0	0.0	0.0
453	156	3.52e-04	0.41	-0.37	0.0	0.0	0.0
454	4	6.75e-04	0.83	-0.75	-8.85e-05	0.0	0.0
454	16	27.33	-3.57	-0.70	4.52e-04	3.87e-03	-1.17e-03
454	28	26.40	-4.11	-0.73	5.02e-04	3.60e-03	-1.20e-03
454	29	-26.40	5.02	-0.09	-6.02e-04	-3.60e-03	1.20e-03
454	48	23.26	-3.12	-0.67	4.03e-04	3.36e-03	-1.01e-03
454	60	21.13	-3.46	-0.69	4.30e-04	2.92e-03	-9.66e-04
454	61	-21.13	4.36	-0.13	-5.30e-04	-2.92e-03	9.66e-04
454	80	20.22	-2.68	-0.64	3.48e-04	2.93e-03	-8.81e-04
454	92	18.29	-2.97	-0.65	3.71e-04	2.54e-03	-8.38e-04
454	93	-18.29	3.87	-0.17	-4.71e-04	-2.54e-03	8.38e-04
454	120	34.25	-5.12	-0.79	6.21e-04	4.80e-03	-1.66e-03
454	124	33.66	-5.25	-0.80	6.37e-04	4.58e-03	-1.53e-03
454	125	-33.66	6.15	-0.02	-7.38e-04	-4.58e-03	1.53e-03
454	146	4.69e-04	0.58	-0.53	-6.35e-05	0.0	0.0
454	151	3.85e-04	0.48	-0.43	-5.09e-05	0.0	0.0
454	156	3.64e-04	0.45	-0.41	-5.01e-05	0.0	0.0
455	4	7.11e-04	0.83	-0.78	-9.15e-05	0.0	0.0
455	16	27.89	-3.57	-0.46	4.36e-04	3.93e-03	-1.16e-03
455	27	27.54	-2.45	-0.47	3.13e-04	3.87e-03	-1.31e-03
455	29	-26.98	5.02	-0.39	-5.89e-04	-3.67e-03	1.20e-03
455	48	23.74	-3.12	-0.45	3.89e-04	3.42e-03	-1.01e-03
455	59	22.16	-1.74	-0.47	2.37e-04	3.20e-03	-1.09e-03
455	61	-21.59	4.36	-0.39	-5.19e-04	-2.98e-03	9.63e-04
455	80	20.64	-2.68	-0.45	3.35e-04	2.98e-03	-8.79e-04
455	91	19.19	-1.43	-0.46	1.98e-04	2.78e-03	-9.48e-04
455	93	-18.68	3.87	-0.40	-4.61e-04	-2.58e-03	8.35e-04
455	120	35.05	-5.12	-0.47	6.01e-04	4.89e-03	-1.66e-03
455	123	35.04	-3.31	-0.48	4.17e-04	4.89e-03	-1.66e-03
455	125	-34.39	6.15	-0.38	-7.21e-04	-4.66e-03	1.53e-03
455	146	4.94e-04	0.58	-0.54	-6.53e-05	0.0	0.0
455	151	4.06e-04	0.48	-0.44	-5.31e-05	0.0	0.0
455	156	3.83e-04	0.45	-0.42	-5.18e-05	0.0	0.0
456	4	4.22e-04	0.17	-0.54	0.0	0.0	0.0
456	24	14.90	-2.39	-0.16	0.0	4.79e-03	-7.37e-04
456	29	-14.36	2.62	-0.44	0.0	-4.64e-03	6.66e-04
456	48	12.71	-1.87	-0.18	0.0	4.14e-03	-5.52e-04
456	61	-11.52	2.26	-0.42	0.0	-3.73e-03	5.35e-04
456	80	11.06	-1.62	-0.20	0.0	3.60e-03	-4.80e-04
456	93	-9.97	1.99	-0.40	0.0	-3.23e-03	4.63e-04
456	109	-2.20	2.01	-0.40	0.0	-7.66e-04	3.38e-05
456	120	18.91	-3.00	-0.12	0.0	6.08e-03	-9.29e-04
456	125	-18.30	3.24	-0.47	0.0	-5.92e-03	8.49e-04
456	146	2.95e-04	0.12	-0.38	0.0	0.0	0.0
456	151	2.43e-04	0.10	-0.31	0.0	0.0	0.0
456	156	2.31e-04	0.09	-0.30	0.0	0.0	0.0
457	4	4.87e-04	0.32	-0.59	0.0	0.0	0.0
457	24	17.59	-2.68	-0.17	0.0	4.75e-03	-8.57e-04
457	29	-17.05	3.09	-0.48	0.0	-4.61e-03	7.76e-04
457	48	15.01	-2.09	-0.20	0.0	4.13e-03	-6.42e-04
457	61	-13.65	2.67	-0.46	0.0	-3.70e-03	6.23e-04
457	80	13.05	-1.81	-0.22	0.0	3.59e-03	-5.59e-04
457	93	-11.81	2.36	-0.44	0.0	-3.20e-03	5.39e-04
457	109	-2.76	2.37	-0.44	0.0	-7.59e-04	4.23e-05
457	120	22.34	-3.39	-0.14	0.0	6.04e-03	-1.08e-03
457	125	-21.73	3.81	-0.52	0.0	-5.87e-03	9.89e-04
457	146	3.39e-04	0.22	-0.42	0.0	0.0	0.0
457	151	2.80e-04	0.18	-0.34	0.0	0.0	0.0
457	156	2.65e-04	0.17	-0.33	0.0	0.0	0.0
458	4	5.51e-04	0.47	-0.63	0.0	0.0	0.0
458	16	20.30	-2.66	-0.20	0.0	4.79e-03	-8.46e-04
458	29	-19.71	3.58	-0.51	0.0	-4.56e-03	8.83e-04
458	48	17.31	-2.33	-0.21	0.0	4.10e-03	-7.32e-04
458	61	-15.77	3.11	-0.49	0.0	-3.66e-03	7.09e-04
458	80	15.05	-2.01	-0.23	0.0	3.57e-03	-6.37e-04
458	93	-13.65	2.75	-0.47	0.0	-3.17e-03	6.14e-04
458	109	-3.31	2.75	-0.46	0.0	-7.48e-04	5.08e-05
458	120	25.76	-3.81	-0.14	0.0	5.97e-03	-1.23e-03
458	125	-25.13	4.41	-0.55	0.0	-5.80e-03	1.13e-03
458	146	3.84e-04	0.33	-0.44	0.0	0.0	0.0
458	151	3.17e-04	0.27	-0.36	0.0	0.0	0.0
458	156	2.99e-04	0.26	-0.35	0.0	0.0	0.0

459	4	6.16e-04	0.62	-0.67	0.0	0.0	0.0
459	16	23.02	-2.96	-0.21	0.0	4.77e-03	-9.51e-04
459	29	-22.35	4.10	-0.54	0.0	-4.50e-03	9.88e-04
459	48	19.62	-2.60	-0.23	0.0	4.08e-03	-8.23e-04
459	61	-17.88	3.56	-0.52	0.0	-3.62e-03	7.94e-04
459	80	17.06	-2.23	-0.24	0.0	3.55e-03	-7.17e-04
459	93	-15.47	3.15	-0.50	0.0	-3.13e-03	6.88e-04
459	120	29.14	-4.26	-0.15	0.0	5.90e-03	-1.37e-03
459	125	-28.50	5.03	-0.59	0.0	-5.73e-03	1.26e-03
459	146	4.29e-04	0.43	-0.47	0.0	0.0	0.0
459	151	3.53e-04	0.36	-0.38	0.0	0.0	0.0
459	156	3.34e-04	0.34	-0.37	0.0	0.0	0.0
460	4	6.81e-04	0.76	-0.72	0.0	0.0	0.0
460	16	25.74	-3.28	-0.23	0.0	4.74e-03	-1.06e-03
460	29	-24.96	4.61	-0.58	0.0	-4.46e-03	1.09e-03
460	48	21.92	-2.87	-0.24	0.0	4.06e-03	-9.16e-04
460	61	-19.97	4.01	-0.55	0.0	-3.59e-03	8.79e-04
460	80	19.06	-2.46	-0.26	0.0	3.53e-03	-7.98e-04
460	93	-17.28	3.56	-0.53	0.0	-3.11e-03	7.61e-04
460	120	32.50	-4.72	-0.17	0.0	5.85e-03	-1.52e-03
460	125	-31.83	5.66	-0.62	0.0	-5.68e-03	1.39e-03
460	146	4.74e-04	0.53	-0.50	0.0	0.0	0.0
460	151	3.90e-04	0.43	-0.41	0.0	0.0	0.0
460	156	3.68e-04	0.41	-0.39	0.0	0.0	0.0
461	4	7.46e-04	0.83	-0.82	-9.67e-05	0.0	0.0
461	16	28.45	-3.57	-0.28	4.26e-04	3.99e-03	-1.16e-03
461	29	-27.55	5.02	-0.64	-5.83e-04	-3.73e-03	1.19e-03
461	48	24.23	-3.12	-0.29	3.79e-04	3.47e-03	-1.01e-03
461	61	-22.04	4.37	-0.61	-5.14e-04	-3.03e-03	9.59e-04
461	80	21.06	-2.68	-0.31	3.26e-04	3.02e-03	-8.77e-04
461	93	-19.07	3.87	-0.59	-4.57e-04	-2.63e-03	8.31e-04
461	120	35.84	-5.12	-0.21	5.89e-04	4.97e-03	-1.65e-03
461	125	-35.13	6.15	-0.69	-7.14e-04	-4.74e-03	1.52e-03
461	146	5.19e-04	0.58	-0.57	-6.87e-05	0.0	0.0
461	151	4.27e-04	0.48	-0.47	-5.64e-05	0.0	0.0
461	156	4.02e-04	0.45	-0.45	-5.45e-05	0.0	0.0
462	4	4.23e-04	0.17	-0.61	0.0	0.0	0.0
462	24	15.25	-2.39	0.05	0.0	4.88e-03	-7.37e-04
462	29	-14.68	2.62	-0.73	0.0	-4.73e-03	6.66e-04
462	48	12.98	-1.87	-0.02	0.0	4.21e-03	-5.52e-04
462	61	-11.77	2.26	-0.67	0.0	-3.80e-03	5.35e-04
462	80	11.29	-1.62	-0.06	0.0	3.67e-03	-4.80e-04
462	93	-10.19	1.99	-0.63	0.0	-3.29e-03	4.63e-04
462	109	-2.22	2.01	-0.62	0.0	-7.73e-04	3.38e-05
462	120	19.36	-3.00	0.14	0.0	6.20e-03	-9.29e-04
462	125	-18.71	3.24	-0.82	0.0	-6.02e-03	8.49e-04
462	146	2.96e-04	0.12	-0.43	0.0	0.0	0.0
462	151	2.44e-04	0.10	-0.35	0.0	0.0	0.0
462	156	2.32e-04	0.09	-0.33	0.0	0.0	0.0
463	4	4.95e-04	0.32	-0.68	0.0	0.0	0.0
463	24	17.99	-2.68	0.04	0.0	4.84e-03	-8.57e-04
463	29	-17.42	3.09	-0.79	0.0	-4.69e-03	7.76e-04
463	48	15.31	-2.09	-0.04	0.0	4.20e-03	-6.42e-04
463	61	-13.94	2.67	-0.73	0.0	-3.77e-03	6.23e-04
463	80	13.32	-1.81	-0.08	0.0	3.65e-03	-5.59e-04
463	93	-12.07	2.36	-0.68	0.0	-3.26e-03	5.39e-04
463	109	-2.79	2.37	-0.67	0.0	-7.65e-04	4.23e-05
463	120	22.86	-3.39	0.14	0.0	6.15e-03	-1.08e-03
463	125	-22.21	3.81	-0.89	0.0	-5.97e-03	9.89e-04
463	146	3.45e-04	0.22	-0.47	0.0	0.0	0.0
463	151	2.85e-04	0.18	-0.39	0.0	0.0	0.0
463	156	2.70e-04	0.17	-0.37	0.0	0.0	0.0
464	4	5.67e-04	0.47	-0.72	0.0	0.0	0.0
464	24	20.72	-3.00	0.03	0.0	4.79e-03	-9.73e-04
464	29	-20.14	3.58	-0.83	0.0	-4.64e-03	8.83e-04
464	48	17.66	-2.33	-0.04	0.0	4.17e-03	-7.32e-04
464	61	-16.11	3.11	-0.77	0.0	-3.73e-03	7.09e-04
464	80	15.36	-2.01	-0.09	0.0	3.63e-03	-6.37e-04
464	93	-13.94	2.75	-0.72	0.0	-3.23e-03	6.14e-04
464	109	-3.34	2.75	-0.70	0.0	-7.55e-04	5.08e-05
464	120	26.34	-3.81	0.14	0.0	6.08e-03	-1.23e-03
464	125	-25.68	4.41	-0.94	0.0	-5.91e-03	1.13e-03
464	146	3.95e-04	0.33	-0.50	0.0	0.0	0.0
464	151	3.26e-04	0.27	-0.41	0.0	0.0	0.0
464	156	3.08e-04	0.26	-0.39	0.0	0.0	0.0

465	4	6.38e-04	0.62	-0.75	0.0	0.0	0.0
465	16	23.48	-2.97	-8.37e-03	0.0	4.84e-03	-9.51e-04
465	29	-22.83	4.10	-0.86	0.0	-4.58e-03	9.88e-04
465	48	20.01	-2.60	-0.05	0.0	4.15e-03	-8.23e-04
465	61	-18.26	3.56	-0.80	0.0	-3.68e-03	7.94e-04
465	80	17.40	-2.23	-0.10	0.0	3.61e-03	-7.17e-04
465	93	-15.80	3.15	-0.75	0.0	-3.19e-03	6.88e-04
465	120	29.80	-4.26	0.14	0.0	6.01e-03	-1.37e-03
465	125	-29.11	5.04	-0.97	0.0	-5.84e-03	1.26e-03
465	146	4.44e-04	0.43	-0.53	0.0	0.0	0.0
465	151	3.66e-04	0.36	-0.43	0.0	0.0	0.0
465	156	3.45e-04	0.34	-0.41	0.0	0.0	0.0
466	4	7.10e-04	0.76	-0.80	0.0	0.0	0.0
466	16	26.24	-3.28	-0.03	0.0	4.82e-03	-1.06e-03
466	29	-25.49	4.61	-0.89	0.0	-4.54e-03	1.09e-03
466	48	22.36	-2.87	-0.07	0.0	4.13e-03	-9.16e-04
466	61	-20.38	4.01	-0.83	0.0	-3.65e-03	8.79e-04
466	80	19.44	-2.46	-0.11	0.0	3.59e-03	-7.98e-04
466	93	-17.64	3.56	-0.78	0.0	-3.16e-03	7.61e-04
466	120	33.22	-4.72	0.12	0.0	5.95e-03	-1.52e-03
466	125	-32.50	5.66	-1.00	0.0	-5.78e-03	1.39e-03
466	146	4.94e-04	0.53	-0.56	0.0	0.0	0.0
466	151	4.07e-04	0.43	-0.46	0.0	0.0	0.0
466	156	3.83e-04	0.41	-0.44	0.0	0.0	0.0
467	4	7.81e-04	0.83	-0.89	-9.00e-05	0.0	0.0
467	16	29.00	-3.57	-0.08	4.30e-04	4.02e-03	-1.16e-03
467	29	-28.12	5.02	-0.94	-5.80e-04	-3.77e-03	1.19e-03
467	48	24.71	-3.12	-0.12	3.83e-04	3.50e-03	-1.00e-03
467	61	-22.49	4.37	-0.88	-5.11e-04	-3.07e-03	9.58e-04
467	80	21.48	-2.68	-0.17	3.30e-04	3.05e-03	-8.76e-04
467	93	-19.46	3.87	-0.83	-4.54e-04	-2.66e-03	8.30e-04
467	120	36.62	-5.12	0.06	5.93e-04	5.03e-03	-1.65e-03
467	125	-35.86	6.16	-1.05	-7.11e-04	-4.79e-03	1.52e-03
467	146	5.43e-04	0.58	-0.62	-6.39e-05	0.0	0.0
467	151	4.47e-04	0.48	-0.51	-5.26e-05	0.0	0.0
467	156	4.21e-04	0.45	-0.49	-5.08e-05	0.0	0.0
468	3	3.01e-03	0.11	-0.76	0.0	2.95e-06	3.65e-06
468	4	2.90e-03	0.11	-0.80	0.0	2.73e-06	3.61e-06
468	16	10.49	-2.19	-0.59	0.0	3.49e-03	-7.73e-04
468	19	10.49	-1.27	-0.65	0.0	3.49e-03	-7.73e-04
468	29	-9.61	2.63	-0.34	0.0	-3.20e-03	7.90e-04
468	48	9.00	-1.94	-0.56	0.0	2.97e-03	-6.67e-04
468	51	9.00	-0.98	-0.63	0.0	2.97e-03	-6.66e-04
468	61	-7.74	2.27	-0.36	0.0	-2.56e-03	6.34e-04
468	80	7.83	-1.69	-0.54	0.0	2.58e-03	-5.80e-04
468	83	7.83	-0.83	-0.61	0.0	2.58e-03	-5.80e-04
468	109	-1.54	2.00	-0.52	0.0	-5.69e-04	6.20e-05
468	112	13.03	-2.70	-0.62	0.0	4.34e-03	-9.59e-04
468	115	13.03	-1.63	-0.70	0.0	4.34e-03	-9.59e-04
468	125	-12.23	3.27	-0.31	0.0	-4.08e-03	1.01e-03
468	145	2.13e-03	0.07	-0.53	0.0	2.08e-06	2.55e-06
468	146	2.06e-03	0.08	-0.56	0.0	1.94e-06	2.53e-06
468	151	1.84e-03	0.06	-0.47	0.0	1.78e-06	2.17e-06
468	156	1.75e-03	0.06	-0.44	0.0	1.68e-06	2.04e-06
469	3	1.10e-03	0.10	-1.13	0.0	1.59e-06	2.57e-06
469	4	1.01e-03	0.11	-1.19	0.0	1.48e-06	2.51e-06
469	16	10.88	-2.19	-0.72	0.0	3.61e-03	-7.65e-04
469	29	-10.04	2.63	-0.62	0.0	-3.33e-03	7.82e-04
469	39	3.76	1.13	-0.87	0.0	1.20e-03	-3.35e-04
469	48	9.33	-1.94	-0.71	0.0	3.08e-03	-6.60e-04
469	61	-8.08	2.27	-0.62	0.0	-2.67e-03	6.28e-04
469	71	3.33	1.28	-0.87	0.0	1.04e-03	-3.14e-04
469	80	8.12	-1.69	-0.70	0.0	2.68e-03	-5.74e-04
469	103	2.92	1.16	-0.85	0.0	9.07e-04	-2.75e-04
469	109	-1.62	2.00	-0.80	0.0	-5.89e-04	5.99e-05
469	112	13.52	-2.70	-0.74	0.0	4.49e-03	-9.48e-04
469	125	-12.78	3.27	-0.61	0.0	-4.25e-03	9.97e-04
469	135	4.64	1.27	-0.90	0.0	1.48e-03	-4.03e-04
469	145	7.93e-04	0.07	-0.79	0.0	1.14e-06	1.80e-06
469	146	7.35e-04	0.08	-0.84	0.0	1.07e-06	1.76e-06
469	151	7.02e-04	0.06	-0.69	0.0	1.00e-06	1.54e-06
469	156	6.71e-04	0.06	-0.66	0.0	0.0	1.45e-06
470	4	-4.71e-04	8.92e-03	-1.20	-3.90e-04	2.48e-06	0.0
470	11	-4.34e-04	8.95e-03	-1.10	-3.58e-04	2.03e-06	0.0
470	17	-8.85	1.93	-0.60	-3.68e-04	-3.59e-03	6.63e-04

470	29	-8.12	2.22	-0.62	-3.78e-04	-3.32e-03	6.59e-04
470	39	3.18	0.94	-0.87	-2.47e-04	1.19e-03	-3.10e-04
470	49	-7.64	1.72	-0.61	-3.52e-04	-3.06e-03	5.86e-04
470	61	-6.57	1.91	-0.62	-3.56e-04	-2.66e-03	5.43e-04
470	71	2.85	1.06	-0.88	-2.56e-04	1.03e-03	-2.99e-04
470	81	-6.65	1.50	-0.62	-3.35e-04	-2.66e-03	5.12e-04
470	103	2.50	0.96	-0.85	-2.52e-04	9.01e-04	-2.63e-04
470	109	-1.20	1.69	-0.80	-3.14e-04	-5.88e-04	3.19e-05
470	113	-10.99	2.37	-0.58	-4.04e-04	-4.47e-03	8.17e-04
470	125	-10.32	2.76	-0.61	-4.20e-04	-4.23e-03	8.35e-04
470	135	3.90	1.06	-0.91	-2.50e-04	1.47e-03	-3.70e-04
470	146	-3.27e-04	6.15e-03	-0.84	-2.73e-04	1.77e-06	0.0
470	149	-3.02e-04	6.17e-03	-0.78	-2.51e-04	1.47e-06	0.0
470	151	-2.64e-04	4.67e-03	-0.70	-2.24e-04	1.61e-06	0.0
470	154	-2.57e-04	4.73e-03	-0.68	-2.18e-04	1.50e-06	0.0
470	156	-2.49e-04	4.42e-03	-0.66	-2.13e-04	1.53e-06	0.0
471	3	3.50e-03	0.22	-0.78	0.0	0.0	3.66e-06
471	4	3.24e-03	0.23	-0.83	0.0	0.0	3.44e-06
471	16	12.48	-2.46	-0.61	0.0	3.54e-03	-9.02e-04
471	19	12.48	-1.42	-0.68	0.0	3.54e-03	-9.02e-04
471	29	-11.48	3.08	-0.34	0.0	-3.25e-03	9.22e-04
471	48	10.68	-2.17	-0.58	0.0	3.02e-03	-7.75e-04
471	51	10.68	-1.08	-0.65	0.0	3.02e-03	-7.75e-04
471	61	-9.23	2.66	-0.37	0.0	-2.60e-03	7.37e-04
471	80	9.29	-1.89	-0.57	0.0	2.63e-03	-6.75e-04
471	83	9.29	-0.91	-0.63	0.0	2.63e-03	-6.74e-04
471	109	-1.93	2.35	-0.54	0.0	-5.71e-04	7.93e-05
471	112	15.53	-3.06	-0.65	0.0	4.41e-03	-1.12e-03
471	115	15.53	-1.84	-0.73	0.0	4.41e-03	-1.12e-03
471	125	-14.62	3.81	-0.31	0.0	-4.15e-03	1.18e-03
471	145	2.48e-03	0.15	-0.55	0.0	0.0	2.53e-06
471	146	2.30e-03	0.16	-0.58	0.0	0.0	2.38e-06
471	151	2.13e-03	0.13	-0.48	0.0	0.0	2.09e-06
471	156	2.01e-03	0.12	-0.46	0.0	0.0	1.95e-06
472	3	1.53e-03	0.22	-1.13	0.0	0.0	2.94e-06
472	4	1.38e-03	0.23	-1.19	0.0	0.0	2.74e-06
472	16	12.93	-2.46	-0.72	0.0	3.64e-03	-8.92e-04
472	29	-11.98	3.08	-0.62	0.0	-3.36e-03	9.14e-04
472	39	4.36	1.34	-0.87	0.0	1.21e-03	-3.81e-04
472	48	11.06	-2.17	-0.71	0.0	3.11e-03	-7.67e-04
472	61	-9.63	2.66	-0.62	0.0	-2.69e-03	7.31e-04
472	71	3.83	1.51	-0.87	0.0	1.05e-03	-3.55e-04
472	80	9.62	-1.89	-0.70	0.0	2.70e-03	-6.68e-04
472	103	3.34	1.37	-0.85	0.0	9.20e-04	-3.11e-04
472	109	-2.04	2.34	-0.80	0.0	-5.90e-04	7.89e-05
472	112	16.09	-3.06	-0.74	0.0	4.54e-03	-1.11e-03
472	125	-15.26	3.81	-0.61	0.0	-4.28e-03	1.17e-03
472	135	5.39	1.49	-0.90	0.0	1.50e-03	-4.61e-04
472	145	1.11e-03	0.15	-0.79	0.0	0.0	2.05e-06
472	146	1.00e-03	0.16	-0.83	0.0	0.0	1.92e-06
472	151	9.83e-04	0.13	-0.69	0.0	0.0	1.71e-06
472	156	9.42e-04	0.12	-0.66	0.0	0.0	1.60e-06
473	3	2.01e-03	0.34	-0.80	0.0	-2.20e-06	2.60e-06
473	4	1.62e-03	0.36	-0.85	0.0	-2.30e-06	2.22e-06
473	16	14.53	-2.75	-0.64	0.0	3.61e-03	-1.00e-03
473	19	14.53	-1.57	-0.70	0.0	3.61e-03	-1.00e-03
473	29	-13.40	3.55	-0.34	0.0	-3.31e-03	1.03e-03
473	48	12.41	-2.42	-0.61	0.0	3.08e-03	-8.64e-04
473	51	12.40	-1.19	-0.68	0.0	3.08e-03	-8.64e-04
473	61	-10.76	3.07	-0.37	0.0	-2.65e-03	8.20e-04
473	80	10.79	-2.09	-0.59	0.0	2.67e-03	-7.52e-04
473	83	10.79	-1.00	-0.65	0.0	2.67e-03	-7.52e-04
473	93	-9.31	2.70	-0.39	0.0	-2.29e-03	7.10e-04
473	112	18.08	-3.42	-0.68	0.0	4.49e-03	-1.25e-03
473	115	18.08	-2.05	-0.76	0.0	4.49e-03	-1.25e-03
473	125	-17.07	4.38	-0.31	0.0	-4.22e-03	1.31e-03
473	145	1.43e-03	0.24	-0.57	0.0	-1.54e-06	1.78e-06
473	146	1.17e-03	0.25	-0.60	0.0	-1.61e-06	1.53e-06
473	151	1.22e-03	0.21	-0.50	0.0	-1.33e-06	1.40e-06
473	156	1.15e-03	0.20	-0.47	0.0	-1.26e-06	1.28e-06
474	3	9.18e-04	0.34	-1.13	0.0	-1.03e-06	1.90e-06
474	4	7.12e-04	0.36	-1.19	0.0	-1.06e-06	1.59e-06
474	16	15.02	-2.75	-0.73	0.0	3.68e-03	-9.93e-04
474	29	-13.95	3.55	-0.62	0.0	-3.39e-03	1.02e-03
474	39	4.98	1.56	-0.87	0.0	1.23e-03	-4.25e-04

474	48	12.82	-2.42	-0.71	0.0	3.14e-03	-8.55e-04
474	61	-11.20	3.07	-0.62	0.0	-2.71e-03	8.12e-04
474	71	4.33	1.74	-0.87	0.0	1.07e-03	-3.95e-04
474	80	11.15	-2.09	-0.71	0.0	2.73e-03	-7.44e-04
474	93	-9.70	2.70	-0.62	0.0	-2.35e-03	7.03e-04
474	103	3.78	1.59	-0.85	0.0	9.36e-04	-3.47e-04
474	112	18.69	-3.42	-0.74	0.0	4.58e-03	-1.23e-03
474	125	-17.78	4.38	-0.61	0.0	-4.32e-03	1.30e-03
474	135	6.16	1.73	-0.91	0.0	1.52e-03	-5.13e-04
474	145	6.82e-04	0.24	-0.79	0.0	0.0	1.31e-06
474	146	5.44e-04	0.25	-0.84	0.0	0.0	1.11e-06
474	151	6.21e-04	0.21	-0.69	0.0	0.0	1.06e-06
474	156	6.00e-04	0.19	-0.66	0.0	0.0	0.0
475	4	1.55e-05	0.50	-0.87	0.0	-1.48e-06	1.26e-06
475	9	-6.58e-04	0.31	-0.56	0.0	0.0	0.0
475	16	16.61	-3.03	-0.66	0.0	3.64e-03	-1.09e-03
475	19	16.61	-1.73	-0.73	0.0	3.64e-03	-1.09e-03
475	29	-15.35	4.03	-0.34	0.0	-3.33e-03	1.11e-03
475	48	14.16	-2.67	-0.63	0.0	3.11e-03	-9.37e-04
475	51	14.16	-1.31	-0.70	0.0	3.11e-03	-9.37e-04
475	61	-12.31	3.50	-0.38	0.0	-2.67e-03	8.89e-04
475	80	12.32	-2.30	-0.61	0.0	2.70e-03	-8.16e-04
475	83	12.31	-1.08	-0.67	0.0	2.70e-03	-8.16e-04
475	93	-10.65	3.09	-0.39	0.0	-2.31e-03	7.69e-04
475	112	20.67	-3.79	-0.71	0.0	4.53e-03	-1.35e-03
475	115	20.67	-2.27	-0.78	0.0	4.53e-03	-1.35e-03
475	125	-19.55	4.97	-0.30	0.0	-4.25e-03	1.42e-03
475	146	4.89e-05	0.35	-0.61	0.0	-1.05e-06	0.0
475	147	-4.00e-04	0.22	-0.40	0.0	0.0	0.0
475	151	2.59e-04	0.29	-0.51	0.0	0.0	0.0
475	156	2.40e-04	0.27	-0.48	0.0	0.0	0.0
476	4	-7.76e-05	0.50	-1.20	0.0	0.0	0.0
476	14	-2.47e-04	0.38	-0.91	0.0	0.0	0.0
476	16	17.13	-3.03	-0.73	0.0	3.70e-03	-1.07e-03
476	29	-15.94	4.03	-0.62	0.0	-3.40e-03	1.10e-03
476	39	5.60	1.78	-0.87	0.0	1.24e-03	-4.63e-04
476	48	14.60	-2.67	-0.72	0.0	3.16e-03	-9.23e-04
476	61	-12.79	3.50	-0.62	0.0	-2.72e-03	8.77e-04
476	71	4.85	1.98	-0.88	0.0	1.09e-03	-4.32e-04
476	80	12.69	-2.30	-0.71	0.0	2.75e-03	-8.04e-04
476	93	-11.07	3.09	-0.62	0.0	-2.36e-03	7.59e-04
476	103	4.23	1.82	-0.85	0.0	9.49e-04	-3.79e-04
476	112	21.32	-3.79	-0.75	0.0	4.60e-03	-1.33e-03
476	125	-20.31	4.97	-0.61	0.0	-4.33e-03	1.40e-03
476	135	6.95	1.97	-0.91	0.0	1.53e-03	-5.60e-04
476	143	1.72e-04	0.18	-0.46	0.0	0.0	0.0
476	146	-1.19e-05	0.35	-0.84	0.0	0.0	0.0
476	150	1.72e-04	0.18	-0.46	0.0	0.0	0.0
476	151	1.33e-04	0.29	-0.70	0.0	0.0	0.0
476	155	1.72e-04	0.18	-0.46	0.0	0.0	0.0
476	156	1.39e-04	0.27	-0.66	0.0	0.0	0.0
477	4	-2.86e-04	0.66	-0.90	0.0	0.0	0.0
477	9	-5.49e-04	0.40	-0.58	0.0	0.0	0.0
477	17	-18.70	4.03	-0.31	0.0	-3.65e-03	1.16e-03
477	19	18.70	-1.88	-0.75	0.0	3.65e-03	-1.16e-03
477	29	-17.30	4.53	-0.35	0.0	-3.34e-03	1.18e-03
477	49	-15.93	3.62	-0.35	0.0	-3.12e-03	1.00e-03
477	51	15.93	-1.42	-0.72	0.0	3.12e-03	-1.00e-03
477	61	-13.87	3.93	-0.38	0.0	-2.67e-03	9.49e-04
477	81	-13.85	3.21	-0.37	0.0	-2.71e-03	8.72e-04
477	83	13.85	-1.17	-0.69	0.0	2.71e-03	-8.71e-04
477	93	-12.00	3.48	-0.40	0.0	-2.31e-03	8.22e-04
477	113	-23.28	4.87	-0.26	0.0	-4.54e-03	1.44e-03
477	115	23.28	-2.49	-0.81	0.0	4.54e-03	-1.44e-03
477	125	-22.04	5.57	-0.31	0.0	-4.25e-03	1.51e-03
477	146	-1.74e-04	0.46	-0.63	0.0	0.0	0.0
477	147	-3.49e-04	0.29	-0.42	0.0	0.0	0.0
477	151	-7.48e-06	0.37	-0.52	0.0	0.0	0.0
477	152	-7.98e-05	0.25	-0.36	0.0	0.0	0.0
477	155	-1.25e-05	0.24	-0.35	0.0	0.0	0.0
477	156	-8.20e-06	0.36	-0.50	0.0	0.0	0.0
478	4	-2.30e-04	0.65	-1.21	0.0	0.0	0.0
478	11	-2.87e-04	0.60	-1.12	0.0	0.0	0.0
478	17	-19.25	4.03	-0.60	0.0	-3.70e-03	1.14e-03
478	29	-17.93	4.53	-0.62	0.0	-3.39e-03	1.16e-03

478	39	6.24	2.01	-0.88	0.0	1.25e-03	-5.01e-04
478	49	-16.39	3.62	-0.61	0.0	-3.16e-03	9.84e-04
478	61	-14.38	3.94	-0.63	0.0	-2.72e-03	9.35e-04
478	71	5.39	2.23	-0.88	0.0	1.10e-03	-4.69e-04
478	81	-14.25	3.21	-0.62	0.0	-2.74e-03	8.57e-04
478	93	-12.44	3.48	-0.63	0.0	-2.35e-03	8.09e-04
478	103	4.69	2.05	-0.86	0.0	9.56e-04	-4.12e-04
478	113	-23.96	4.87	-0.58	0.0	-4.60e-03	1.41e-03
478	125	-22.85	5.58	-0.61	0.0	-4.32e-03	1.49e-03
478	135	7.75	2.21	-0.92	0.0	1.54e-03	-6.05e-04
478	146	-1.35e-04	0.46	-0.85	0.0	0.0	0.0
478	149	-1.73e-04	0.42	-0.79	0.0	0.0	0.0
478	151	-3.09e-05	0.37	-0.70	0.0	0.0	0.0
478	154	-4.83e-05	0.36	-0.69	0.0	0.0	0.0
478	155	4.55e-05	0.24	-0.47	0.0	0.0	0.0
478	156	-2.00e-05	0.35	-0.67	0.0	0.0	0.0
479	3	4.39e-04	0.79	-0.89	-4.33e-04	6.59e-06	1.96e-06
479	4	4.36e-04	0.83	-0.95	-4.57e-04	5.91e-06	1.93e-06
479	16	20.79	-3.57	-0.73	-3.58e-05	3.06e-03	-1.22e-03
479	19	20.79	-2.02	-0.79	-9.10e-05	3.06e-03	-1.22e-03
479	29	-19.24	5.01	-0.37	-4.72e-04	-2.72e-03	1.25e-03
479	48	17.70	-3.12	-0.69	-5.83e-05	2.64e-03	-1.05e-03
479	51	17.70	-1.51	-0.76	-1.16e-04	2.64e-03	-1.05e-03
479	61	-15.42	4.36	-0.40	-4.41e-04	-2.18e-03	1.00e-03
479	80	15.39	-2.68	-0.67	-8.19e-05	-2.30e-03	-9.17e-04
479	83	15.39	-1.24	-0.73	-1.34e-04	2.30e-03	-9.17e-04
479	93	-13.34	3.87	-0.42	-4.17e-04	-1.89e-03	8.68e-04
479	112	25.89	-4.49	-0.78	1.29e-05	3.80e-03	-1.51e-03
479	115	25.89	-2.69	-0.85	-5.13e-05	3.80e-03	-1.51e-03
479	125	-24.52	6.15	-0.32	-5.28e-04	-3.46e-03	1.59e-03
479	145	3.07e-04	0.55	-0.63	-3.03e-04	4.55e-06	1.38e-06
479	146	3.06e-04	0.58	-0.66	-3.19e-04	4.10e-06	1.36e-06
479	151	2.63e-04	0.48	-0.55	-2.62e-04	3.70e-06	1.18e-06
479	156	2.48e-04	0.45	-0.53	-2.48e-04	3.42e-06	1.11e-06
480	4	3.42e-04	0.83	-1.24	-4.59e-04	3.50e-06	0.0
480	16	21.36	-3.57	-0.76	-3.02e-06	3.15e-03	-1.21e-03
480	29	-19.91	5.01	-0.64	-5.07e-04	-2.81e-03	1.23e-03
480	39	6.90	2.23	-0.90	-2.95e-04	1.17e-03	-5.40e-04
480	48	18.18	-3.12	-0.75	-2.90e-05	2.72e-03	-1.04e-03
480	61	-15.96	4.36	-0.64	-4.71e-04	-2.26e-03	9.93e-04
480	71	5.94	2.47	-0.90	-3.08e-04	1.06e-03	-5.07e-04
480	80	15.80	-2.68	-0.74	-5.62e-05	2.37e-03	-9.10e-04
480	93	-13.81	3.87	-0.65	-4.43e-04	-1.96e-03	8.60e-04
480	103	5.17	2.27	-0.88	-3.02e-04	9.30e-04	-4.46e-04
480	112	26.60	-4.49	-0.78	5.33e-05	3.91e-03	-1.50e-03
480	125	-25.37	6.15	-0.63	-5.72e-04	-3.58e-03	1.57e-03
480	135	8.57	2.45	-0.93	-2.98e-04	1.43e-03	-6.51e-04
480	146	2.40e-04	0.58	-0.87	-3.20e-04	2.43e-06	0.0
480	151	1.96e-04	0.48	-0.72	-2.62e-04	2.26e-06	0.0
480	156	1.88e-04	0.45	-0.69	-2.49e-04	2.08e-06	0.0
481	1	1.82e-04	0.05	-0.76	0.0	0.0	0.0
481	4	8.46e-05	0.11	-1.47	0.0	0.0	1.32e-06
481	16	11.26	-2.19	-0.85	0.0	3.73e-03	-7.36e-04
481	29	-10.45	2.63	-0.76	0.0	-3.45e-03	7.56e-04
481	43	3.75	1.05	-1.08	0.0	1.18e-03	-3.52e-04
481	48	9.66	-1.94	-0.85	0.0	3.18e-03	-6.35e-04
481	61	-8.42	2.26	-0.75	0.0	-2.77e-03	6.07e-04
481	75	3.18	1.23	-1.09	0.0	9.86e-04	-3.20e-04
481	80	8.41	-1.69	-0.85	0.0	2.77e-03	-5.52e-04
481	107	2.77	1.11	-1.06	0.0	8.57e-04	-2.81e-04
481	109	-1.70	2.00	-0.99	0.0	-6.03e-04	5.45e-05
481	112	14.00	-2.70	-0.85	0.0	4.64e-03	-9.13e-04
481	125	-13.30	3.27	-0.75	0.0	-4.40e-03	9.64e-04
481	139	4.70	1.15	-1.13	0.0	1.49e-03	-4.31e-04
481	143	1.46e-04	0.04	-0.56	0.0	0.0	0.0
481	146	8.08e-05	0.08	-1.03	0.0	0.0	0.0
481	150	1.46e-04	0.04	-0.56	0.0	0.0	0.0
481	151	1.22e-04	0.06	-0.85	0.0	0.0	0.0
481	155	1.46e-04	0.04	-0.56	0.0	0.0	0.0
481	156	1.25e-04	0.06	-0.81	0.0	0.0	0.0
482	4	-3.36e-04	0.01	-1.49	-2.32e-04	0.0	0.0
482	17	-9.19	1.93	-0.78	-2.72e-04	-3.72e-03	6.09e-04
482	29	-8.46	2.21	-0.76	-2.77e-04	-3.45e-03	6.22e-04
482	43	3.20	0.87	-1.09	-1.38e-04	1.18e-03	-3.10e-04
482	49	-7.93	1.72	-0.78	-2.55e-04	-3.17e-03	5.32e-04

482	61	-6.85	1.91	-0.76	-2.54e-04	-2.76e-03	5.06e-04
482	75	2.77	1.02	-1.10	-1.48e-04	9.82e-04	-2.88e-04
482	81	-6.91	1.50	-0.78	-2.39e-04	-2.76e-03	4.64e-04
482	107	2.42	0.92	-1.07	-1.46e-04	8.54e-04	-2.53e-04
482	109	-1.25	1.69	-1.00	-2.05e-04	-6.03e-04	3.01e-05
482	113	-11.40	2.37	-0.78	-3.06e-04	-4.63e-03	7.53e-04
482	125	-10.76	2.76	-0.75	-3.15e-04	-4.39e-03	7.90e-04
482	139	3.99	0.96	-1.14	-1.37e-04	1.49e-03	-3.76e-04
482	146	-2.32e-04	7.02e-03	-1.04	-1.61e-04	0.0	0.0
482	151	-1.85e-04	5.39e-03	-0.86	-1.32e-04	0.0	0.0
482	154	-1.81e-04	5.43e-03	-0.84	-1.28e-04	0.0	0.0
482	156	-1.75e-04	5.11e-03	-0.82	-1.25e-04	0.0	0.0
483	1	3.48e-04	0.11	-0.76	0.0	0.0	0.0
483	4	2.12e-04	0.23	-1.47	0.0	0.0	1.75e-06
483	16	13.37	-2.46	-0.84	0.0	3.75e-03	-8.67e-04
483	29	-12.47	3.08	-0.76	0.0	-3.47e-03	8.90e-04
483	43	4.31	1.25	-1.08	0.0	1.19e-03	-4.03e-04
483	48	11.43	-2.17	-0.85	0.0	3.20e-03	-7.46e-04
483	61	-10.01	2.66	-0.75	0.0	-2.78e-03	7.12e-04
483	75	3.61	1.45	-1.09	0.0	9.89e-04	-3.62e-04
483	80	9.94	-1.89	-0.84	0.0	2.78e-03	-6.49e-04
483	107	3.14	1.32	-1.06	0.0	8.60e-04	-3.17e-04
483	109	-2.15	2.34	-0.99	0.0	-6.05e-04	7.37e-05
483	112	16.63	-3.06	-0.85	0.0	4.66e-03	-1.08e-03
483	125	-15.88	3.81	-0.75	0.0	-4.42e-03	1.14e-03
483	139	5.43	1.36	-1.12	0.0	1.50e-03	-4.94e-04
483	143	2.75e-04	0.08	-0.56	0.0	0.0	0.0
483	146	1.85e-04	0.16	-1.03	0.0	0.0	1.24e-06
483	150	2.75e-04	0.08	-0.56	0.0	0.0	0.0
483	151	2.42e-04	0.13	-0.85	0.0	0.0	1.14e-06
483	155	2.75e-04	0.08	-0.56	0.0	0.0	0.0
483	156	2.47e-04	0.12	-0.81	0.0	0.0	1.07e-06
484	1	3.05e-04	0.18	-0.76	0.0	0.0	0.0
484	4	3.36e-05	0.36	-1.46	0.0	0.0	1.15e-06
484	16	15.50	-2.75	-0.84	0.0	3.76e-03	-9.75e-04
484	29	-14.50	3.54	-0.75	0.0	-3.47e-03	9.99e-04
484	43	4.89	1.46	-1.08	0.0	1.20e-03	-4.51e-04
484	48	13.22	-2.42	-0.85	0.0	3.21e-03	-8.39e-04
484	61	-11.63	3.07	-0.75	0.0	-2.78e-03	7.99e-04
484	75	4.05	1.68	-1.09	0.0	9.96e-04	-4.05e-04
484	80	11.50	-2.09	-0.84	0.0	2.79e-03	-7.31e-04
484	93	-10.07	2.70	-0.76	0.0	-2.41e-03	6.92e-04
484	107	3.52	1.54	-1.06	0.0	8.66e-04	-3.55e-04
484	112	19.29	-3.42	-0.85	0.0	4.68e-03	-1.21e-03
484	125	-18.47	4.38	-0.74	0.0	-4.43e-03	1.28e-03
484	139	6.18	1.58	-1.12	0.0	1.51e-03	-5.54e-04
484	143	2.47e-04	0.13	-0.56	0.0	0.0	0.0
484	146	6.64e-05	0.25	-1.03	0.0	0.0	0.0
484	150	2.47e-04	0.13	-0.56	0.0	0.0	0.0
484	151	1.52e-04	0.20	-0.85	0.0	0.0	0.0
484	155	2.47e-04	0.13	-0.56	0.0	0.0	0.0
484	156	1.66e-04	0.19	-0.81	0.0	0.0	0.0
485	4	-1.76e-04	0.50	-1.47	0.0	0.0	0.0
485	8	-1.83e-04	0.42	-1.23	0.0	0.0	0.0
485	16	17.64	-3.03	-0.84	0.0	3.76e-03	-1.06e-03
485	29	-16.53	4.03	-0.76	0.0	-3.47e-03	1.09e-03
485	43	5.48	1.67	-1.08	0.0	1.20e-03	-4.95e-04
485	48	15.03	-2.67	-0.85	0.0	3.21e-03	-9.14e-04
485	61	-13.26	3.49	-0.75	0.0	-2.78e-03	8.69e-04
485	75	4.51	1.92	-1.09	0.0	1.00e-03	-4.46e-04
485	80	13.07	-2.30	-0.84	0.0	2.79e-03	-7.95e-04
485	93	-11.48	3.09	-0.76	0.0	-2.41e-03	7.52e-04
485	107	3.91	1.76	-1.06	0.0	8.73e-04	-3.91e-04
485	112	21.97	-3.79	-0.85	0.0	4.68e-03	-1.31e-03
485	125	-21.06	4.97	-0.75	0.0	-4.42e-03	1.38e-03
485	139	6.95	1.81	-1.12	0.0	1.51e-03	-6.08e-04
485	143	1.48e-04	0.18	-0.56	0.0	0.0	0.0
485	146	-8.51e-05	0.35	-1.03	0.0	0.0	0.0
485	150	1.48e-04	0.18	-0.56	0.0	0.0	0.0
485	151	8.92e-06	0.29	-0.85	0.0	0.0	0.0
485	155	1.48e-04	0.18	-0.56	0.0	0.0	0.0
485	156	2.89e-05	0.27	-0.81	0.0	0.0	0.0
486	4	-1.19e-04	0.65	-1.47	0.0	0.0	0.0
486	8	-1.24e-04	0.55	-1.23	0.0	0.0	0.0
486	16	19.79	-3.33	-0.85	0.0	3.76e-03	-1.13e-03

486	29	-18.56	4.54	-0.76	0.0	-3.46e-03	1.16e-03
486	43	6.09	1.89	-1.08	0.0	1.20e-03	-5.39e-04
486	48	16.84	-2.92	-0.85	0.0	3.21e-03	-9.78e-04
486	61	-14.88	3.94	-0.76	0.0	-2.77e-03	9.30e-04
486	75	4.97	2.17	-1.09	0.0	1.01e-03	-4.87e-04
486	80	14.64	-2.51	-0.85	0.0	2.79e-03	-8.52e-04
486	93	-12.88	3.49	-0.76	0.0	-2.40e-03	8.06e-04
486	107	4.32	1.99	-1.06	0.0	8.77e-04	-4.28e-04
486	112	24.64	-4.17	-0.85	0.0	4.67e-03	-1.40e-03
486	125	-23.65	5.58	-0.75	0.0	-4.41e-03	1.48e-03
486	139	7.72	2.04	-1.12	0.0	1.51e-03	-6.61e-04
486	143	9.12e-05	0.24	-0.56	0.0	0.0	0.0
486	146	-5.97e-05	0.45	-1.03	0.0	0.0	0.0
486	150	9.12e-05	0.24	-0.56	0.0	0.0	0.0
486	151	-9.40e-06	0.37	-0.86	0.0	0.0	0.0
486	155	9.12e-05	0.24	-0.56	0.0	0.0	0.0
486	156	4.97e-06	0.35	-0.81	0.0	0.0	0.0
487	4	1.60e-04	0.83	-1.50	-4.31e-04	1.77e-06	0.0
487	9	2.42e-04	0.50	-0.95	-2.60e-04	0.0	0.0
487	16	21.94	-3.57	-0.86	3.97e-05	3.23e-03	-1.20e-03
487	29	-20.58	5.01	-0.78	-5.20e-04	-2.89e-03	1.23e-03
487	43	6.70	2.10	-1.09	-2.83e-04	1.15e-03	-5.83e-04
487	48	18.66	-3.13	-0.87	1.12e-05	2.79e-03	-1.04e-03
487	61	-16.50	4.36	-0.77	-4.81e-04	-2.33e-03	9.91e-04
487	75	5.46	2.40	-1.10	-3.01e-04	1.01e-03	-5.30e-04
487	80	16.22	-2.68	-0.86	-1.89e-05	2.43e-03	-9.08e-04
487	93	-14.28	3.87	-0.78	-4.49e-04	-2.02e-03	8.59e-04
487	107	4.73	2.21	-1.07	-2.95e-04	8.79e-04	-4.65e-04
487	112	27.32	-4.49	-0.87	1.02e-04	4.01e-03	-1.49e-03
487	125	-26.22	6.15	-0.77	-5.92e-04	-3.68e-03	1.57e-03
487	139	8.51	2.26	-1.14	-2.85e-04	1.42e-03	-7.14e-04
487	146	1.14e-04	0.58	-1.05	-3.00e-04	1.23e-06	0.0
487	147	1.69e-04	0.36	-0.69	-1.86e-04	0.0	0.0
487	151	7.66e-05	0.48	-0.87	-2.46e-04	1.18e-06	0.0
487	152	1.02e-04	0.31	-0.60	-1.61e-04	0.0	0.0
487	155	8.56e-05	0.30	-0.57	-1.55e-04	0.0	0.0
487	156	7.79e-05	0.45	-0.83	-2.33e-04	1.08e-06	0.0
488	3	-2.85e-04	0.10	-1.55	0.0	0.0	0.0
488	4	-2.80e-04	0.11	-1.63	0.0	0.0	0.0
488	17	-11.62	2.30	-1.14	0.0	-3.86e-03	7.00e-04
488	29	-10.84	2.62	-1.20	0.0	-3.58e-03	7.23e-04
488	45	-2.73	2.30	-1.25	0.0	-9.46e-04	1.12e-04
488	49	-9.96	2.05	-1.14	0.0	-3.29e-03	6.04e-04
488	61	-8.73	2.26	-1.20	0.0	-2.87e-03	5.80e-04
488	77	-2.06	2.24	-1.26	0.0	-7.27e-04	5.84e-05
488	81	-8.67	1.80	-1.12	0.0	-2.86e-03	5.26e-04
488	109	-1.77	2.00	-1.22	0.0	-6.26e-04	4.76e-05
488	113	-14.44	2.82	-1.19	0.0	-4.80e-03	8.68e-04
488	125	-13.80	3.26	-1.27	0.0	-4.57e-03	9.22e-04
488	141	-3.54	2.73	-1.31	0.0	-1.22e-03	1.58e-04
488	145	-1.82e-04	0.07	-1.09	0.0	0.0	0.0
488	146	-1.78e-04	0.07	-1.14	0.0	0.0	0.0
488	151	-1.26e-04	0.06	-0.95	0.0	0.0	0.0
488	156	-1.07e-04	0.06	-0.90	0.0	0.0	0.0
489	4	-7.72e-05	0.01	-1.64	9.52e-06	0.0	0.0
489	17	-9.47	1.93	-1.15	-9.47e-05	-3.86e-03	5.38e-04
489	29	-8.77	2.21	-1.21	-9.10e-05	-3.58e-03	5.63e-04
489	45	-2.06	1.94	-1.25	-3.47e-05	-9.48e-04	7.05e-05
489	49	-8.17	1.72	-1.15	-8.11e-05	-3.29e-03	4.65e-04
489	61	-7.10	1.91	-1.20	-7.40e-05	-2.87e-03	4.54e-04
489	77	-1.51	1.90	-1.26	-3.04e-05	-7.29e-04	2.78e-05
489	81	-7.12	1.50	-1.12	-6.98e-05	-2.86e-03	4.05e-04
489	109	-1.29	1.69	-1.22	-2.59e-05	-6.28e-04	2.13e-05
489	113	-11.76	2.37	-1.19	-1.19e-04	-4.80e-03	6.66e-04
489	125	-11.16	2.76	-1.27	-1.17e-04	-4.57e-03	7.18e-04
489	141	-2.69	2.31	-1.31	-4.44e-05	-1.22e-03	1.04e-04
489	146	-5.21e-05	8.96e-03	-1.15	7.49e-06	0.0	0.0
489	151	-3.83e-05	6.99e-03	-0.95	7.27e-06	0.0	0.0
489	156	-3.54e-05	6.63e-03	-0.90	7.46e-06	0.0	0.0
490	3	-4.39e-04	0.21	-1.54	0.0	0.0	1.19e-06
490	4	-4.16e-04	0.22	-1.63	0.0	0.0	1.03e-06
490	17	-13.79	2.71	-1.14	0.0	-3.86e-03	8.45e-04
490	29	-12.93	3.07	-1.20	0.0	-3.58e-03	8.67e-04
490	45	-3.40	2.69	-1.25	0.0	-9.45e-04	1.46e-04
490	49	-11.78	2.42	-1.14	0.0	-3.29e-03	7.27e-04

490	61	-10.39	2.65	-1.19	0.0	-2.87e-03	6.94e-04
490	77	-2.61	2.62	-1.25	0.0	-7.26e-04	8.27e-05
490	81	-10.25	2.13	-1.11	0.0	-2.86e-03	6.33e-04
490	109	-2.25	2.34	-1.22	0.0	-6.25e-04	6.84e-05
490	113	-17.16	3.30	-1.18	0.0	-4.80e-03	1.05e-03
490	125	-16.47	3.81	-1.26	0.0	-4.56e-03	1.11e-03
490	141	-4.38	3.19	-1.31	0.0	-1.22e-03	2.03e-04
490	145	-2.76e-04	0.15	-1.08	0.0	0.0	0.0
490	146	-2.61e-04	0.16	-1.14	0.0	0.0	0.0
490	151	-1.84e-04	0.13	-0.94	0.0	0.0	0.0
490	156	-1.53e-04	0.12	-0.90	0.0	0.0	0.0
491	3	-4.86e-04	0.34	-1.54	0.0	0.0	1.04e-06
491	4	-4.46e-04	0.36	-1.63	0.0	0.0	0.0
491	17	-15.98	3.13	-1.14	0.0	-3.85e-03	9.62e-04
491	29	-15.03	3.54	-1.20	0.0	-3.57e-03	9.86e-04
491	45	-4.06	3.09	-1.25	0.0	-9.39e-04	1.69e-04
491	49	-13.62	2.80	-1.14	0.0	-3.28e-03	8.28e-04
491	61	-12.06	3.06	-1.19	0.0	-2.86e-03	7.89e-04
491	77	-3.16	3.02	-1.25	0.0	-7.20e-04	9.79e-05
491	81	-11.85	2.48	-1.11	0.0	-2.86e-03	7.21e-04
491	93	-10.44	2.70	-1.16	0.0	-2.48e-03	6.83e-04
491	109	-2.72	2.70	-1.22	0.0	-6.19e-04	8.11e-05
491	113	-19.89	3.81	-1.18	0.0	-4.79e-03	1.19e-03
491	125	-19.14	4.38	-1.26	0.0	-4.55e-03	1.26e-03
491	141	-5.21	3.66	-1.31	0.0	-1.21e-03	2.34e-04
491	145	-3.03e-04	0.24	-1.08	0.0	0.0	0.0
491	146	-2.77e-04	0.25	-1.14	0.0	0.0	0.0
491	151	-1.96e-04	0.20	-0.94	0.0	0.0	0.0
491	156	-1.60e-04	0.19	-0.90	0.0	0.0	0.0
492	3	-3.94e-04	0.47	-1.55	0.0	0.0	0.0
492	4	-3.45e-04	0.50	-1.64	0.0	0.0	0.0
492	17	-18.16	3.57	-1.14	0.0	-3.83e-03	1.05e-03
492	29	-17.11	4.03	-1.20	0.0	-3.55e-03	1.08e-03
492	45	-4.71	3.51	-1.25	0.0	-9.28e-04	1.82e-04
492	49	-15.46	3.21	-1.14	0.0	-3.27e-03	9.08e-04
492	61	-13.72	3.49	-1.20	0.0	-2.84e-03	8.64e-04
492	77	-3.70	3.42	-1.26	0.0	-7.09e-04	1.04e-04
492	81	-13.44	2.84	-1.12	0.0	-2.85e-03	7.91e-04
492	93	-11.88	3.08	-1.16	0.0	-2.46e-03	7.48e-04
492	109	-3.19	3.06	-1.22	0.0	-6.10e-04	8.61e-05
492	113	-22.61	4.33	-1.19	0.0	-4.77e-03	1.31e-03
492	125	-21.80	4.97	-1.27	0.0	-4.52e-03	1.38e-03
492	141	-6.03	4.14	-1.31	0.0	-1.20e-03	2.52e-04
492	145	-2.43e-04	0.33	-1.09	0.0	0.0	0.0
492	146	-2.11e-04	0.35	-1.15	0.0	0.0	0.0
492	151	-1.50e-04	0.28	-0.95	0.0	0.0	0.0
492	156	-1.18e-04	0.27	-0.90	0.0	0.0	0.0
493	4	-6.84e-05	0.65	-1.66	0.0	0.0	0.0
493	9	2.18e-04	0.40	-1.04	0.0	0.0	0.0
493	16	20.34	-3.34	-0.67	0.0	3.82e-03	-1.13e-03
493	29	-19.18	4.54	-1.21	0.0	-3.53e-03	1.16e-03
493	45	-5.35	3.94	-1.26	0.0	-9.18e-04	1.87e-04
493	48	17.30	-2.93	-0.67	0.0	3.26e-03	-9.75e-04
493	61	-15.38	3.94	-1.21	0.0	-2.83e-03	9.29e-04
493	77	-4.22	3.85	-1.27	0.0	-7.00e-04	1.04e-04
493	80	15.04	-2.52	-0.70	0.0	2.84e-03	-8.50e-04
493	93	-13.32	3.49	-1.17	0.0	-2.45e-03	8.04e-04
493	109	-3.65	3.45	-1.23	0.0	-6.02e-04	8.56e-05
493	112	25.33	-4.18	-0.63	0.0	4.75e-03	-1.40e-03
493	125	-24.44	5.59	-1.28	0.0	-4.50e-03	1.48e-03
493	141	-6.83	4.64	-1.32	0.0	-1.19e-03	2.61e-04
493	146	-2.94e-05	0.45	-1.16	0.0	0.0	0.0
493	147	1.62e-04	0.28	-0.75	0.0	0.0	0.0
493	151	-1.48e-05	0.37	-0.96	0.0	0.0	0.0
493	152	1.09e-04	0.25	-0.65	0.0	0.0	0.0
493	155	9.60e-05	0.24	-0.63	0.0	0.0	0.0
493	156	1.07e-06	0.35	-0.91	0.0	0.0	0.0
494	4	4.66e-04	0.83	-1.71	-3.97e-04	0.0	0.0
494	16	22.51	-3.57	-0.70	9.50e-05	3.31e-03	-1.20e-03
494	29	-21.25	5.01	-1.24	-5.42e-04	-2.97e-03	1.23e-03
494	45	-5.96	4.34	-1.29	-4.47e-04	-6.50e-04	1.89e-04
494	48	19.14	-3.13	-0.70	6.34e-05	2.86e-03	-1.04e-03
494	61	-17.04	4.36	-1.23	-4.97e-04	-2.39e-03	9.87e-04
494	77	-4.73	4.23	-1.29	-4.39e-04	-4.53e-04	1.01e-04
494	80	16.64	-2.68	-0.72	2.93e-05	2.49e-03	-9.03e-04

494	93	-14.75	3.87	-1.20	-4.62e-04	-2.07e-03	8.55e-04
494	109	-4.09	3.80	-1.26	-4.13e-04	-3.85e-04	8.27e-05
494	112	28.05	-4.49	-0.65	1.65e-04	4.10e-03	-1.48e-03
494	125	-27.07	6.15	-1.30	-6.23e-04	-3.78e-03	1.56e-03
494	141	-7.62	5.10	-1.35	-4.94e-04	-8.61e-04	2.66e-04
494	146	3.26e-04	0.58	-1.19	-2.76e-04	0.0	0.0
494	151	2.68e-04	0.48	-0.99	-2.26e-04	0.0	0.0
494	156	2.55e-04	0.45	-0.94	-2.13e-04	0.0	0.0
495	3	-4.44e-04	0.10	-1.54	0.0	0.0	0.0
495	4	-3.86e-04	0.10	-1.63	0.0	0.0	0.0
495	17	-11.95	2.30	-1.22	0.0	-4.00e-03	6.75e-04
495	29	-11.22	2.62	-1.28	0.0	-3.73e-03	7.00e-04
495	45	-2.84	2.30	-1.29	0.0	-9.97e-04	1.04e-04
495	49	-10.24	2.05	-1.21	0.0	-3.41e-03	5.83e-04
495	61	-9.03	2.26	-1.26	0.0	-2.99e-03	5.61e-04
495	77	-2.14	2.24	-1.30	0.0	-7.70e-04	5.21e-05
495	81	-8.91	1.80	-1.17	0.0	-2.97e-03	5.08e-04
495	109	-1.84	2.00	-1.25	0.0	-6.63e-04	4.21e-05
495	113	-14.86	2.81	-1.29	0.0	-4.98e-03	8.36e-04
495	125	-14.28	3.26	-1.37	0.0	-4.76e-03	8.92e-04
495	145	-2.96e-04	0.07	-1.08	0.0	0.0	0.0
495	146	-2.57e-04	0.07	-1.14	0.0	0.0	0.0
495	151	-2.21e-04	0.06	-0.94	0.0	0.0	0.0
495	156	-1.96e-04	0.06	-0.89	0.0	0.0	0.0
496	4	2.46e-04	0.02	-1.61	3.13e-04	0.0	0.0
496	16	9.71	-1.91	-0.55	1.89e-04	4.00e-03	-5.00e-04
496	29	-9.05	2.21	-1.28	1.65e-04	-3.74e-03	5.24e-04
496	45	-2.14	1.94	-1.29	2.24e-04	-1.00e-03	5.56e-05
496	48	8.37	-1.70	-0.56	1.86e-04	3.41e-03	-4.38e-04
496	61	-7.32	1.90	-1.26	1.64e-04	-3.00e-03	4.25e-04
496	77	-1.58	1.90	-1.29	2.26e-04	-7.75e-04	1.62e-05
496	80	7.29	-1.48	-0.60	1.84e-04	2.97e-03	-3.83e-04
496	109	-1.35	1.68	-1.25	2.21e-04	-6.68e-04	1.11e-05
496	112	12.05	-2.35	-0.49	1.94e-04	4.98e-03	-6.17e-04
496	125	-11.52	2.75	-1.37	1.63e-04	-4.76e-03	6.67e-04
496	146	1.73e-04	0.01	-1.13	2.20e-04	0.0	0.0
496	151	1.44e-04	8.63e-03	-0.93	1.82e-04	0.0	0.0
496	156	1.38e-04	8.19e-03	-0.89	1.74e-04	0.0	0.0
497	3	-8.74e-04	0.21	-1.56	0.0	0.0	0.0
497	4	-7.71e-04	0.22	-1.65	0.0	0.0	0.0
497	17	-14.20	2.71	-1.23	0.0	-3.98e-03	8.31e-04
497	29	-13.39	3.07	-1.30	0.0	-3.71e-03	8.54e-04
497	45	-3.53	2.68	-1.30	0.0	-9.84e-04	1.41e-04
497	49	-12.13	2.42	-1.22	0.0	-3.39e-03	7.16e-04
497	61	-10.75	2.65	-1.27	0.0	-2.97e-03	6.84e-04
497	77	-2.71	2.62	-1.31	0.0	-7.58e-04	7.91e-05
497	81	-10.56	2.13	-1.19	0.0	-2.95e-03	6.23e-04
497	109	-2.33	2.34	-1.26	0.0	-6.53e-04	6.52e-05
497	113	-17.67	3.30	-1.30	0.0	-4.95e-03	1.03e-03
497	125	-17.05	3.81	-1.38	0.0	-4.73e-03	1.09e-03
497	145	-5.85e-04	0.15	-1.09	0.0	0.0	0.0
497	146	-5.17e-04	0.16	-1.15	0.0	0.0	0.0
497	151	-4.46e-04	0.13	-0.95	0.0	0.0	0.0
497	156	-3.99e-04	0.12	-0.90	0.0	0.0	0.0
498	3	-9.37e-04	0.33	-1.58	0.0	0.0	0.0
498	4	-8.06e-04	0.35	-1.67	0.0	0.0	0.0
498	17	-16.45	3.13	-1.25	0.0	-3.94e-03	9.54e-04
498	29	-15.55	3.54	-1.32	0.0	-3.67e-03	9.79e-04
498	45	-4.21	3.09	-1.33	0.0	-9.66e-04	1.66e-04
498	49	-14.02	2.80	-1.24	0.0	-3.37e-03	8.22e-04
498	61	-12.47	3.06	-1.30	0.0	-2.94e-03	7.83e-04
498	77	-3.28	3.02	-1.33	0.0	-7.41e-04	9.58e-05
498	81	-12.19	2.48	-1.21	0.0	-2.93e-03	7.16e-04
498	93	-10.80	2.70	-1.25	0.0	-2.55e-03	6.78e-04
498	109	-2.83	2.70	-1.28	0.0	-6.38e-04	7.93e-05
498	113	-20.48	3.81	-1.32	0.0	-4.91e-03	1.18e-03
498	125	-19.81	4.38	-1.41	0.0	-4.68e-03	1.25e-03
498	145	-6.25e-04	0.23	-1.11	0.0	0.0	0.0
498	146	-5.38e-04	0.25	-1.17	0.0	0.0	0.0
498	151	-4.69e-04	0.20	-0.96	0.0	0.0	0.0
498	156	-4.17e-04	0.19	-0.92	0.0	0.0	0.0
499	3	-6.76e-04	0.47	-1.61	0.0	0.0	0.0
499	4	-5.47e-04	0.50	-1.70	0.0	0.0	0.0
499	17	-18.68	3.57	-1.28	0.0	-3.91e-03	1.05e-03
499	29	-17.69	4.03	-1.35	0.0	-3.63e-03	1.08e-03

499	45	-4.89	3.51	-1.36	0.0	-9.47e-04	1.80e-04
499	49	-15.90	3.20	-1.27	0.0	-3.34e-03	9.05e-04
499	61	-14.18	3.49	-1.32	0.0	-2.91e-03	8.62e-04
499	77	-3.84	3.42	-1.36	0.0	-7.24e-04	1.03e-04
499	81	-13.82	2.84	-1.23	0.0	-2.90e-03	7.88e-04
499	93	-12.28	3.08	-1.28	0.0	-2.52e-03	7.46e-04
499	109	-3.31	3.06	-1.31	0.0	-6.23e-04	8.51e-05
499	113	-23.26	4.33	-1.35	0.0	-4.86e-03	1.30e-03
499	125	-22.53	4.97	-1.44	0.0	-4.63e-03	1.37e-03
499	145	-4.46e-04	0.33	-1.13	0.0	0.0	0.0
499	146	-3.60e-04	0.35	-1.19	0.0	0.0	0.0
499	151	-3.22e-04	0.28	-0.98	0.0	0.0	0.0
499	156	-2.81e-04	0.27	-0.94	0.0	0.0	0.0
500	4	-9.86e-05	0.64	-1.76	0.0	0.0	0.0
500	9	2.70e-04	0.40	-1.10	0.0	0.0	0.0
500	17	-20.89	4.04	-1.33	0.0	-3.88e-03	1.13e-03
500	29	-19.80	4.55	-1.40	0.0	-3.60e-03	1.16e-03
500	45	-5.54	3.95	-1.40	0.0	-9.33e-04	1.86e-04
500	49	-17.77	3.63	-1.31	0.0	-3.31e-03	9.74e-04
500	61	-15.88	3.95	-1.37	0.0	-2.89e-03	9.27e-04
500	77	-4.39	3.85	-1.40	0.0	-7.12e-04	1.04e-04
500	81	-15.44	3.22	-1.27	0.0	-2.88e-03	8.48e-04
500	93	-13.74	3.49	-1.32	0.0	-2.50e-03	8.03e-04
500	109	-3.79	3.46	-1.35	0.0	-6.12e-04	8.50e-05
500	113	-26.02	4.89	-1.40	0.0	-4.82e-03	1.40e-03
500	125	-25.23	5.60	-1.49	0.0	-4.59e-03	1.47e-03
500	146	-5.58e-05	0.45	-1.23	0.0	0.0	0.0
500	147	1.90e-04	0.28	-0.79	0.0	0.0	0.0
500	151	-6.32e-05	0.37	-1.02	0.0	0.0	0.0
500	152	9.01e-05	0.25	-0.69	0.0	0.0	0.0
500	155	6.52e-05	0.24	-0.66	0.0	0.0	0.0
500	156	-4.49e-05	0.35	-0.97	0.0	0.0	0.0
501	4	4.56e-04	0.83	-1.87	-3.77e-04	0.0	0.0
501	16	23.09	-3.57	-0.66	1.65e-04	3.39e-03	-1.19e-03
501	29	-21.90	5.01	-1.46	-5.98e-04	-3.05e-03	1.22e-03
501	45	-6.17	4.34	-1.47	-4.94e-04	-6.67e-04	1.88e-04
501	48	19.63	-3.13	-0.67	1.29e-04	2.93e-03	-1.03e-03
501	61	-17.56	4.36	-1.43	-5.45e-04	-2.46e-03	9.85e-04
501	77	-4.91	4.23	-1.47	-4.84e-04	-4.65e-04	1.01e-04
501	80	17.06	-2.68	-0.71	8.79e-05	2.55e-03	-9.00e-04
501	93	-15.20	3.87	-1.39	-5.02e-04	-2.13e-03	8.53e-04
501	109	-4.25	3.81	-1.42	-4.52e-04	-3.95e-04	8.19e-05
501	112	28.77	-4.49	-0.58	2.49e-04	4.20e-03	-1.48e-03
501	125	-27.90	6.15	-1.56	-6.95e-04	-3.89e-03	1.56e-03
501	146	3.19e-04	0.58	-1.31	-2.62e-04	0.0	0.0
501	151	2.59e-04	0.48	-1.08	-2.14e-04	0.0	0.0
501	156	2.47e-04	0.45	-1.03	-2.02e-04	0.0	0.0
502	3	-5.58e-04	0.09	-1.29	0.0	-1.33e-06	0.0
502	4	-4.48e-04	0.10	-1.36	0.0	-1.21e-06	0.0
502	17	-12.28	2.30	-1.08	0.0	-4.13e-03	6.60e-04
502	29	-11.58	2.62	-1.14	0.0	-3.87e-03	6.85e-04
502	49	-10.52	2.05	-1.06	0.0	-3.52e-03	5.71e-04
502	61	-9.31	2.26	-1.11	0.0	-3.11e-03	5.50e-04
502	77	-2.21	2.24	-1.12	0.0	-8.15e-04	4.77e-05
502	81	-9.15	1.80	-1.03	0.0	-3.06e-03	4.98e-04
502	109	-1.90	2.00	-1.07	0.0	-7.03e-04	3.82e-05
502	113	-15.26	2.81	-1.15	0.0	-5.14e-03	8.17e-04
502	125	-14.74	3.26	-1.23	0.0	-4.94e-03	8.74e-04
502	145	-3.78e-04	0.07	-0.90	0.0	0.0	0.0
502	146	-3.05e-04	0.07	-0.95	0.0	0.0	0.0
502	151	-2.89e-04	0.06	-0.78	0.0	0.0	0.0
502	156	-2.59e-04	0.05	-0.74	0.0	0.0	0.0
503	3	-1.25e-03	0.21	-1.43	0.0	0.0	0.0
503	4	-1.07e-03	0.22	-1.51	0.0	0.0	0.0
503	17	-14.62	2.70	-1.25	0.0	-4.09e-03	8.29e-04
503	29	-13.84	3.07	-1.32	0.0	-3.83e-03	8.53e-04
503	49	-12.48	2.41	-1.23	0.0	-3.49e-03	7.14e-04
503	61	-11.11	2.65	-1.28	0.0	-3.07e-03	6.82e-04
503	77	-2.80	2.62	-1.29	0.0	-7.89e-04	7.86e-05
503	81	-10.86	2.13	-1.18	0.0	-3.04e-03	6.22e-04
503	109	-2.41	2.34	-1.24	0.0	-6.80e-04	6.48e-05
503	113	-18.19	3.30	-1.34	0.0	-5.09e-03	1.03e-03
503	125	-17.63	3.80	-1.43	0.0	-4.88e-03	1.09e-03
503	145	-8.56e-04	0.15	-1.01	0.0	0.0	0.0
503	146	-7.36e-04	0.15	-1.06	0.0	0.0	0.0

503	151	-6.75e-04	0.13	-0.87	0.0	0.0	0.0
503	156	-6.15e-04	0.12	-0.83	0.0	0.0	0.0
504	3	-1.36e-03	0.33	-1.54	0.0	0.0	0.0
504	4	-1.14e-03	0.35	-1.63	0.0	0.0	0.0
504	17	-16.92	3.13	-1.38	0.0	-4.04e-03	9.52e-04
504	29	-16.07	3.54	-1.46	0.0	-3.77e-03	9.77e-04
504	49	-14.43	2.80	-1.35	0.0	-3.45e-03	8.20e-04
504	61	-12.89	3.06	-1.41	0.0	-3.02e-03	7.81e-04
504	77	-3.39	3.02	-1.42	0.0	-7.60e-04	9.51e-05
504	81	-12.54	2.47	-1.30	0.0	-3.00e-03	7.14e-04
504	93	-11.15	2.70	-1.35	0.0	-2.62e-03	6.76e-04
504	109	-2.92	2.70	-1.36	0.0	-6.54e-04	7.87e-05
504	113	-21.07	3.81	-1.48	0.0	-5.02e-03	1.18e-03
504	125	-20.47	4.38	-1.59	0.0	-4.80e-03	1.25e-03
504	145	-9.24e-04	0.23	-1.08	0.0	0.0	0.0
504	146	-7.79e-04	0.25	-1.14	0.0	0.0	0.0
504	151	-7.24e-04	0.20	-0.94	0.0	0.0	0.0
504	156	-6.57e-04	0.19	-0.89	0.0	0.0	0.0
505	3	-9.58e-04	0.46	-1.64	0.0	0.0	0.0
505	4	-7.53e-04	0.49	-1.74	0.0	0.0	0.0
505	17	-19.20	3.57	-1.48	0.0	-3.98e-03	1.05e-03
505	29	-18.26	4.02	-1.57	0.0	-3.71e-03	1.08e-03
505	49	-16.34	3.20	-1.45	0.0	-3.40e-03	9.04e-04
505	61	-14.64	3.49	-1.51	0.0	-2.97e-03	8.61e-04
505	77	-3.97	3.42	-1.52	0.0	-7.36e-04	1.03e-04
505	81	-14.21	2.83	-1.39	0.0	-2.96e-03	7.87e-04
505	93	-12.67	3.08	-1.45	0.0	-2.57e-03	7.46e-04
505	109	-3.42	3.06	-1.46	0.0	-6.33e-04	8.49e-05
505	113	-23.91	4.32	-1.60	0.0	-4.95e-03	1.30e-03
505	125	-23.26	4.96	-1.71	0.0	-4.72e-03	1.37e-03
505	145	-6.49e-04	0.33	-1.15	0.0	0.0	0.0
505	146	-5.13e-04	0.34	-1.22	0.0	0.0	0.0
505	151	-4.95e-04	0.28	-1.00	0.0	0.0	0.0
505	156	-4.44e-04	0.27	-0.95	0.0	0.0	0.0
506	4	-1.60e-04	0.62	-1.86	0.0	0.0	0.0
506	7	-3.04e-04	0.49	-1.46	0.0	0.0	0.0
506	17	-21.44	4.04	-1.59	0.0	-3.94e-03	1.13e-03
506	29	-20.42	4.55	-1.68	0.0	-3.66e-03	1.16e-03
506	49	-18.24	3.63	-1.55	0.0	-3.36e-03	9.73e-04
506	61	-16.37	3.95	-1.62	0.0	-2.94e-03	9.27e-04
506	77	-4.53	3.85	-1.62	0.0	-7.20e-04	1.03e-04
506	81	-15.85	3.22	-1.49	0.0	-2.93e-03	8.48e-04
506	93	-14.17	3.49	-1.55	0.0	-2.54e-03	8.03e-04
506	109	-3.91	3.45	-1.56	0.0	-6.19e-04	8.48e-05
506	113	-26.71	4.89	-1.71	0.0	-4.90e-03	1.40e-03
506	125	-26.01	5.60	-1.83	0.0	-4.66e-03	1.47e-03
506	146	-1.04e-04	0.43	-1.30	0.0	0.0	0.0
506	147	2.05e-04	0.28	-0.83	0.0	0.0	0.0
506	151	-1.29e-04	0.36	-1.07	0.0	0.0	0.0
506	156	-1.07e-04	0.34	-1.02	0.0	0.0	0.0
507	4	4.51e-04	0.83	-2.08	-3.64e-04	0.0	0.0
507	16	23.68	-3.57	-0.54	2.38e-04	3.46e-03	-1.19e-03
507	29	-22.55	5.01	-1.82	-6.65e-04	-3.13e-03	1.22e-03
507	48	20.13	-3.13	-0.58	1.96e-04	3.00e-03	-1.03e-03
507	61	-18.08	4.36	-1.76	-6.03e-04	-2.53e-03	9.83e-04
507	77	-5.06	4.23	-1.77	-5.41e-04	-4.77e-04	9.98e-05
507	80	17.49	-2.68	-0.64	1.48e-04	2.61e-03	-8.98e-04
507	93	-15.65	3.87	-1.69	-5.53e-04	-2.19e-03	8.52e-04
507	109	-4.38	3.81	-1.70	-5.01e-04	-4.06e-04	8.14e-05
507	112	29.50	-4.49	-0.41	3.35e-04	4.29e-03	-1.47e-03
507	125	-28.73	6.15	-1.98	-7.80e-04	-3.99e-03	1.56e-03
507	146	3.15e-04	0.58	-1.45	-2.53e-04	0.0	0.0
507	151	2.56e-04	0.48	-1.20	-2.07e-04	0.0	0.0
507	156	2.43e-04	0.45	-1.14	-1.95e-04	0.0	0.0
508	3	7.28e-03	0.11	-0.44	0.0	4.31e-06	1.51e-06
508	4	7.23e-03	0.11	-0.47	0.0	3.94e-06	1.36e-06
508	16	10.06	-2.19	-0.61	0.0	3.33e-03	-7.26e-04
508	19	10.06	-1.27	-0.64	0.0	3.33e-03	-7.26e-04
508	29	-9.13	2.63	0.05	0.0	-3.03e-03	7.44e-04
508	48	8.64	-1.94	-0.56	0.0	2.83e-03	-6.26e-04
508	51	8.63	-0.98	-0.59	0.0	2.83e-03	-6.26e-04
508	61	-7.36	2.27	-0.01	0.0	-2.43e-03	5.97e-04
508	80	7.52	-1.69	-0.52	0.0	2.46e-03	-5.45e-04
508	83	7.52	-0.83	-0.54	0.0	2.46e-03	-5.45e-04
508	109	-1.43	2.01	-0.24	0.0	-5.28e-04	4.88e-05

508	112	12.50	-2.70	-0.70	0.0	4.14e-03	-9.00e-04
508	115	12.50	-1.63	-0.73	0.0	4.14e-03	-9.00e-04
508	125	-11.63	3.27	0.14	0.0	-3.87e-03	9.48e-04
508	145	5.13e-03	0.07	-0.31	0.0	3.00e-06	1.02e-06
508	146	5.09e-03	0.08	-0.33	0.0	2.76e-06	0.0
508	151	4.42e-03	0.06	-0.28	0.0	2.51e-06	0.0
508	156	4.19e-03	0.06	-0.26	0.0	2.34e-06	0.0
509	3	6.27e-03	0.22	-0.47	0.0	-1.17e-06	2.92e-06
509	4	5.87e-03	0.23	-0.50	0.0	-1.58e-06	2.64e-06
509	16	11.99	-2.46	-0.66	0.0	3.43e-03	-8.61e-04
509	19	11.99	-1.42	-0.68	0.0	3.43e-03	-8.61e-04
509	29	-10.93	3.08	0.06	0.0	-3.13e-03	8.81e-04
509	48	10.26	-2.17	-0.60	0.0	2.92e-03	-7.41e-04
509	51	10.26	-1.08	-0.63	0.0	2.92e-03	-7.41e-04
509	61	-8.78	2.66	-0.01	0.0	-2.50e-03	7.05e-04
509	80	8.93	-1.89	-0.56	0.0	2.54e-03	-6.45e-04
509	83	8.93	-0.91	-0.58	0.0	2.54e-03	-6.45e-04
509	109	-1.79	2.35	-0.26	0.0	-5.42e-04	6.54e-05
509	112	14.91	-3.06	-0.75	0.0	4.27e-03	-1.07e-03
509	115	14.91	-1.84	-0.78	0.0	4.27e-03	-1.07e-03
509	125	-13.92	3.82	0.15	0.0	-3.99e-03	1.12e-03
509	145	4.39e-03	0.15	-0.33	0.0	0.0	1.98e-06
509	146	4.13e-03	0.16	-0.35	0.0	-1.11e-06	1.79e-06
509	151	3.72e-03	0.13	-0.29	0.0	0.0	1.57e-06
509	156	3.49e-03	0.12	-0.28	0.0	0.0	1.43e-06
510	3	3.51e-03	0.34	-0.49	0.0	-3.02e-06	4.05e-06
510	4	2.84e-03	0.36	-0.52	0.0	-3.23e-06	3.66e-06
510	16	13.98	-2.75	-0.68	0.0	3.51e-03	-9.89e-04
510	19	13.98	-1.57	-0.72	0.0	3.51e-03	-9.89e-04
510	29	-12.78	3.55	0.06	0.0	-3.20e-03	1.01e-03
510	48	11.95	-2.42	-0.62	0.0	3.00e-03	-8.51e-04
510	51	11.95	-1.19	-0.66	0.0	3.00e-03	-8.51e-04
510	61	-10.26	3.07	-0.02	0.0	-2.56e-03	8.09e-04
510	80	10.39	-2.09	-0.58	0.0	2.61e-03	-7.41e-04
510	83	10.39	-1.00	-0.61	0.0	2.61e-03	-7.41e-04
510	93	-8.88	2.71	-0.05	0.0	-2.22e-03	7.00e-04
510	112	17.40	-3.42	-0.78	0.0	4.37e-03	-1.23e-03
510	115	17.40	-2.05	-0.82	0.0	4.37e-03	-1.23e-03
510	125	-16.28	4.38	0.15	0.0	-4.09e-03	1.29e-03
510	145	2.45e-03	0.24	-0.35	0.0	-2.12e-06	2.75e-06
510	146	2.00e-03	0.25	-0.37	0.0	-2.26e-06	2.49e-06
510	151	1.99e-03	0.21	-0.31	0.0	-1.86e-06	2.18e-06
510	156	1.84e-03	0.20	-0.29	0.0	-1.77e-06	1.99e-06
511	4	4.86e-04	0.50	-0.55	0.0	-1.89e-06	4.37e-06
511	9	-1.38e-03	0.31	-0.36	0.0	0.0	0.0
511	16	16.02	-3.03	-0.70	0.0	3.57e-03	-1.10e-03
511	19	16.02	-1.73	-0.73	0.0	3.57e-03	-1.10e-03
511	29	-14.67	4.03	0.05	0.0	-3.25e-03	1.12e-03
511	48	13.67	-2.66	-0.64	0.0	3.05e-03	-9.47e-04
511	51	13.67	-1.30	-0.67	0.0	3.05e-03	-9.47e-04
511	61	-11.77	3.50	-0.03	0.0	-2.60e-03	8.99e-04
511	80	11.89	-2.30	-0.60	0.0	2.65e-03	-8.24e-04
511	83	11.89	-1.08	-0.63	0.0	2.65e-03	-8.24e-04
511	93	-10.18	3.09	-0.06	0.0	-2.25e-03	7.78e-04
511	112	19.94	-3.79	-0.80	0.0	4.44e-03	-1.36e-03
511	115	19.94	-2.27	-0.84	0.0	4.44e-03	-1.36e-03
511	125	-18.69	4.97	0.15	0.0	-4.14e-03	1.43e-03
511	146	3.54e-04	0.35	-0.39	0.0	-1.32e-06	2.99e-06
511	147	-8.92e-04	0.22	-0.26	0.0	0.0	0.0
511	151	6.09e-04	0.29	-0.32	0.0	-1.18e-06	2.61e-06
511	156	5.33e-04	0.27	-0.31	0.0	-1.11e-06	2.38e-06
512	4	-2.24e-04	0.66	-0.57	0.0	1.02e-06	4.80e-06
512	9	-1.22e-03	0.40	-0.38	0.0	1.53e-06	0.0
512	16	18.09	-3.31	-0.71	0.0	3.57e-03	-1.25e-03
512	19	18.09	-1.88	-0.75	0.0	3.57e-03	-1.25e-03
512	29	-16.58	4.53	0.03	0.0	-3.24e-03	1.27e-03
512	48	15.42	-2.91	-0.65	0.0	3.05e-03	-1.07e-03
512	51	15.42	-1.41	-0.69	0.0	3.05e-03	-1.07e-03
512	61	-13.29	3.93	-0.05	0.0	-2.59e-03	1.02e-03
512	80	13.41	-2.50	-0.61	0.0	2.65e-03	-9.35e-04
512	83	13.41	-1.17	-0.64	0.0	2.65e-03	-9.36e-04
512	93	-11.50	3.48	-0.08	0.0	-2.24e-03	8.80e-04
512	112	22.51	-4.15	-0.81	0.0	4.44e-03	-1.55e-03
512	115	22.51	-2.49	-0.85	0.0	4.44e-03	-1.55e-03
512	125	-21.13	5.57	0.12	0.0	-4.13e-03	1.62e-03

512	146	-1.38e-04	0.46	-0.41	0.0	0.0	3.29e-06
512	147	-7.99e-04	0.29	-0.28	0.0	1.05e-06	0.0
512	151	1.16e-04	0.38	-0.34	0.0	0.0	2.87e-06
512	152	-2.42e-04	0.25	-0.24	0.0	0.0	1.10e-06
512	155	-1.03e-04	0.24	-0.23	0.0	0.0	1.22e-06
512	156	8.48e-05	0.36	-0.32	0.0	0.0	2.64e-06
513	4	2.52e-03	0.83	-0.61	-4.03e-04	6.16e-06	5.64e-06
513	16	20.15	-3.57	-0.72	-8.51e-05	3.14e-03	-1.40e-03
513	19	20.15	-2.02	-0.75	-1.32e-04	3.14e-03	-1.40e-03
513	29	-18.48	5.01	-0.01	-3.66e-04	-2.80e-03	1.42e-03
513	48	17.17	-3.12	-0.66	-9.77e-05	2.69e-03	-1.21e-03
513	51	17.17	-1.51	-0.70	-1.47e-04	2.69e-03	-1.21e-03
513	61	-14.80	4.36	-0.08	-3.48e-04	-2.24e-03	1.14e-03
513	80	14.93	-2.68	-0.62	-1.13e-04	2.34e-03	-1.05e-03
513	83	14.93	-1.23	-0.65	-1.56e-04	2.34e-03	-1.05e-03
513	93	-12.81	3.86	-0.12	-3.32e-04	-1.94e-03	9.84e-04
513	112	25.08	-4.49	-0.81	-5.50e-05	3.90e-03	-1.73e-03
513	115	25.08	-2.68	-0.85	-1.09e-04	3.90e-03	-1.74e-03
513	125	-23.55	6.14	0.08	-4.02e-04	-3.56e-03	1.81e-03
513	146	1.77e-03	0.58	-0.43	-2.82e-04	4.25e-06	3.89e-06
513	151	1.52e-03	0.48	-0.36	-2.32e-04	3.73e-06	3.47e-06
513	156	1.44e-03	0.45	-0.34	-2.19e-04	3.45e-06	3.19e-06
514	3	7.47e-03	0.13	-0.34	-2.04e-04	0.0	-4.21e-05
514	4	7.43e-03	0.14	-0.36	-2.16e-04	0.0	-4.44e-05
514	16	10.06	-1.89	0.37	4.26e-04	0.0	5.66e-04
514	17	-10.05	2.04	-0.78	-6.60e-04	0.0	5.19e-04
514	29	-9.13	2.31	-0.75	-7.25e-04	0.0	6.18e-04
514	48	8.64	-1.69	0.28	3.77e-04	0.0	-4.75e-04
514	49	-8.63	1.83	-0.69	-6.11e-04	0.0	4.28e-04
514	77	-1.67	2.20	-0.37	-6.94e-04	0.0	1.63e-05
514	80	7.52	-1.47	0.22	3.17e-04	0.0	-4.15e-04
514	81	-7.51	1.62	-0.63	-5.51e-04	0.0	3.67e-04
514	109	-1.43	1.96	-0.35	-6.30e-04	0.0	7.87e-06
514	112	12.50	-2.34	0.51	5.47e-04	0.0	-7.04e-04
514	113	-12.49	2.49	-0.92	-7.81e-04	0.0	6.56e-04
514	125	-11.63	2.86	-0.89	-8.72e-04	0.0	7.95e-04
514	145	5.26e-03	0.09	-0.24	-1.43e-04	0.0	-2.94e-05
514	146	5.23e-03	0.10	-0.25	-1.51e-04	0.0	-3.09e-05
514	151	4.54e-03	0.08	-0.21	-1.23e-04	0.0	-2.53e-05
514	156	4.30e-03	0.07	-0.21	-1.17e-04	0.0	-2.40e-05
515	3	6.38e-03	0.25	-0.38	-2.12e-04	0.0	-6.20e-05
515	4	5.98e-03	0.26	-0.40	-2.24e-04	0.0	-6.53e-05
515	16	11.99	-2.13	0.41	4.19e-04	0.0	-6.45e-04
515	17	-11.98	2.42	-0.86	-6.62e-04	0.0	5.74e-04
515	29	-10.93	2.72	-0.83	-7.27e-04	0.0	6.90e-04
515	48	10.26	-1.89	0.32	3.69e-04	0.0	-5.41e-04
515	49	-10.26	2.18	-0.77	-6.12e-04	0.0	4.71e-04
515	77	-2.09	2.59	-0.41	-6.79e-04	0.0	-5.76e-06
515	80	8.93	-1.64	0.24	3.09e-04	0.0	-4.73e-04
515	81	-8.93	1.92	-0.70	-5.52e-04	0.0	4.03e-04
515	109	-1.79	2.32	-0.38	-6.16e-04	0.0	-1.38e-05
515	112	14.91	-2.65	0.56	5.39e-04	0.0	-8.00e-04
515	113	-14.90	2.93	-1.02	-7.82e-04	0.0	7.30e-04
515	125	-13.92	3.36	-0.99	-8.73e-04	0.0	8.91e-04
515	145	4.47e-03	0.17	-0.27	-1.48e-04	0.0	-4.33e-05
515	146	4.21e-03	0.18	-0.28	-1.56e-04	0.0	-4.54e-05
515	151	3.78e-03	0.15	-0.24	-1.28e-04	0.0	-3.72e-05
515	156	3.55e-03	0.14	-0.23	-1.21e-04	0.0	-3.52e-05
516	3	3.53e-03	0.38	-0.40	-2.21e-04	0.0	-6.82e-05
516	4	2.86e-03	0.40	-0.43	-2.33e-04	0.0	-7.16e-05
516	16	13.98	-2.37	0.45	4.08e-04	0.0	-7.39e-04
516	17	-13.98	2.80	-0.93	-6.61e-04	0.0	6.62e-04
516	29	-12.78	3.14	-0.89	-7.26e-04	0.0	7.92e-04
516	48	11.95	-2.10	0.35	3.58e-04	0.0	-6.21e-04
516	49	-11.94	2.53	-0.83	-6.11e-04	0.0	5.44e-04
516	77	-2.52	2.97	-0.44	-6.56e-04	0.0	1.37e-06
516	80	10.39	-1.81	0.27	2.98e-04	0.0	-5.43e-04
516	81	-10.39	2.24	-0.76	-5.51e-04	0.0	4.66e-04
516	109	-2.16	2.66	-0.41	-5.97e-04	0.0	-8.55e-06
516	112	17.40	-2.95	0.62	5.28e-04	0.0	-9.17e-04
516	113	-17.39	3.38	-1.10	-7.81e-04	0.0	8.40e-04
516	125	-16.28	3.86	-1.07	-8.72e-04	0.0	1.02e-03
516	145	2.46e-03	0.26	-0.29	-1.55e-04	0.0	-4.75e-05
516	146	2.02e-03	0.28	-0.30	-1.63e-04	0.0	-4.98e-05
516	151	2.01e-03	0.23	-0.25	-1.34e-04	0.0	-4.07e-05

516	156	1.85e-03	0.22	-0.24	-1.27e-04	0.0	-3.85e-05
517	4	5.35e-04	0.54	-0.45	-2.43e-04	0.0	-6.57e-05
517	9	-1.35e-03	0.33	-0.30	-1.47e-04	0.0	-3.64e-05
517	16	16.02	-2.60	0.48	3.93e-04	0.0	-8.49e-04
517	17	-16.02	3.18	-0.99	-6.56e-04	0.0	7.79e-04
517	29	-14.67	3.56	-0.95	-7.21e-04	0.0	9.21e-04
517	48	13.67	-2.29	0.38	3.42e-04	0.0	-7.15e-04
517	49	-13.67	2.87	-0.88	-6.05e-04	0.0	6.44e-04
517	77	-2.95	3.34	-0.46	-6.28e-04	0.0	3.66e-05
517	80	11.89	-1.97	0.29	2.84e-04	0.0	-6.24e-04
517	81	-11.89	2.55	-0.80	-5.47e-04	0.0	5.54e-04
517	109	-2.54	3.00	-0.44	-5.73e-04	0.0	2.25e-05
517	112	19.94	-3.25	0.66	5.11e-04	0.0	-1.05e-03
517	113	-19.94	3.83	-1.17	-7.74e-04	0.0	9.84e-04
517	125	-18.69	4.36	-1.13	-8.65e-04	0.0	1.18e-03
517	145	8.72e-04	0.35	-0.30	-1.61e-04	0.0	-4.37e-05
517	146	3.89e-04	0.37	-0.32	-1.70e-04	0.0	-4.56e-05
517	151	6.40e-04	0.31	-0.27	-1.39e-04	0.0	-3.73e-05
517	156	5.63e-04	0.29	-0.25	-1.32e-04	0.0	-3.52e-05
518	4	1.97e-04	0.68	-0.47	-2.52e-04	0.0	-4.46e-05
518	9	-9.29e-04	0.41	-0.32	-1.51e-04	0.0	-2.38e-05
518	16	18.09	-2.81	0.51	3.77e-04	0.0	-9.61e-04
518	17	-18.09	3.55	-1.04	-6.49e-04	0.0	9.13e-04
518	29	-16.58	3.97	-1.00	-7.13e-04	0.0	1.06e-03
518	48	15.42	-2.48	0.40	3.26e-04	0.0	-8.10e-04
518	49	-15.42	3.22	-0.93	-5.99e-04	0.0	7.62e-04
518	77	-3.38	3.69	-0.49	-6.03e-04	0.0	7.39e-05
518	80	13.41	-2.12	0.31	2.69e-04	0.0	-7.06e-04
518	81	-13.41	2.86	-0.84	-5.42e-04	0.0	6.59e-04
518	109	-2.91	3.32	-0.46	-5.50e-04	0.0	5.64e-05
518	112	22.51	-3.54	0.70	4.93e-04	0.0	-1.20e-03
518	113	-22.51	4.27	-1.23	-7.65e-04	0.0	1.15e-03
518	125	-21.13	4.86	-1.19	-8.55e-04	0.0	1.36e-03
518	146	1.59e-04	0.48	-0.33	-1.76e-04	0.0	-3.09e-05
518	147	-5.92e-04	0.30	-0.23	-1.09e-04	0.0	-1.71e-05
518	151	3.64e-04	0.39	-0.28	-1.44e-04	0.0	-2.53e-05
518	156	3.22e-04	0.37	-0.27	-1.36e-04	0.0	-2.38e-05
519	3	1.84e-03	0.79	-0.47	-2.86e-04	0.0	1.15e-06
519	4	1.82e-03	0.83	-0.50	-3.01e-04	0.0	0.0
519	16	20.15	-3.02	0.52	2.84e-04	0.0	-1.16e-03
519	17	-20.15	3.92	-1.09	-6.11e-04	0.0	1.16e-03
519	29	-18.48	4.38	-1.04	-6.41e-04	0.0	1.19e-03
519	48	17.17	-2.66	0.40	2.50e-04	0.0	-1.00e-03
519	49	-17.17	3.56	-0.97	-5.76e-04	0.0	1.00e-03
519	77	-3.79	4.03	-0.52	-6.12e-04	0.0	1.01e-04
519	80	14.93	-2.27	0.31	2.01e-04	0.0	-8.74e-04
519	81	-14.93	3.17	-0.88	-5.27e-04	0.0	8.75e-04
519	109	-3.27	3.63	-0.49	-5.62e-04	0.0	8.27e-05
519	112	25.09	-3.81	0.71	3.82e-04	0.0	-1.43e-03
519	113	-25.08	4.71	-1.28	-7.08e-04	0.0	1.44e-03
519	125	-23.55	5.35	-1.25	-7.54e-04	0.0	1.51e-03
519	145	1.29e-03	0.55	-0.34	-2.00e-04	0.0	0.0
519	146	1.28e-03	0.58	-0.36	-2.10e-04	0.0	0.0
519	151	1.11e-03	0.48	-0.30	-1.72e-04	0.0	0.0
519	156	1.05e-03	0.45	-0.29	-1.63e-04	0.0	0.0
520	3	7.61e-03	0.15	-0.31	-2.24e-04	0.0	-4.13e-05
520	4	7.57e-03	0.16	-0.33	-2.37e-04	0.0	-4.35e-05
520	16	10.06	-1.60	1.65	3.67e-04	0.0	-5.67e-04
520	17	-10.05	1.77	-2.02	-6.25e-04	0.0	5.21e-04
520	45	-2.24	2.15	-0.77	-7.36e-04	0.0	6.65e-05
520	48	8.63	-1.44	1.38	3.27e-04	0.0	-4.76e-04
520	49	-8.63	1.61	-1.75	-5.84e-04	0.0	4.29e-04
520	77	-1.67	2.14	-0.67	-7.33e-04	0.0	1.74e-05
520	80	7.52	-1.25	1.17	2.72e-04	0.0	-4.16e-04
520	81	-7.51	1.42	-1.55	-5.29e-04	0.0	3.69e-04
520	109	-1.43	1.91	-0.61	-6.66e-04	0.0	8.87e-06
520	112	12.50	-1.98	2.10	4.75e-04	0.0	-7.05e-04
520	113	-12.49	2.15	-2.47	-7.33e-04	0.0	6.59e-04
520	141	-2.90	2.54	-0.92	-8.48e-04	0.0	1.07e-04
520	145	5.35e-03	0.10	-0.22	-1.57e-04	0.0	-2.88e-05
520	146	5.33e-03	0.11	-0.23	-1.65e-04	0.0	-3.03e-05
520	151	4.62e-03	0.09	-0.20	-1.36e-04	0.0	-2.48e-05
520	156	4.38e-03	0.09	-0.19	-1.29e-04	0.0	-2.35e-05
521	3	6.45e-03	0.28	-0.35	-2.22e-04	0.0	-6.16e-05
521	4	6.06e-03	0.30	-0.37	-2.35e-04	0.0	-6.48e-05

521	16	11.99	-1.80	1.76	3.47e-04	0.0	-6.45e-04
521	17	-11.98	2.12	-2.18	-6.02e-04	0.0	5.75e-04
521	45	-2.76	2.57	-0.84	-6.87e-04	0.0	5.13e-05
521	48	10.26	-1.61	1.47	3.08e-04	0.0	-5.41e-04
521	49	-10.26	1.93	-1.89	-5.62e-04	0.0	4.71e-04
521	77	-2.09	2.55	-0.73	-6.83e-04	0.0	-4.89e-06
521	80	8.93	-1.39	1.25	2.55e-04	0.0	-4.74e-04
521	81	-8.93	1.71	-1.67	-5.09e-04	0.0	4.04e-04
521	109	-1.79	2.28	-0.67	-6.22e-04	0.0	-1.30e-05
521	112	14.91	-2.24	2.24	4.51e-04	0.0	-8.00e-04
521	113	-14.90	2.56	-2.66	-7.06e-04	0.0	7.31e-04
521	141	-3.57	3.02	-1.00	-7.92e-04	0.0	9.40e-05
521	145	4.52e-03	0.20	-0.25	-1.55e-04	0.0	-4.30e-05
521	146	4.26e-03	0.21	-0.26	-1.64e-04	0.0	-4.51e-05
521	151	3.83e-03	0.17	-0.22	-1.34e-04	0.0	-3.69e-05
521	156	3.60e-03	0.16	-0.21	-1.27e-04	0.0	-3.49e-05
522	3	3.55e-03	0.41	-0.37	-2.21e-04	0.0	-6.81e-05
522	4	2.89e-03	0.43	-0.39	-2.34e-04	0.0	-7.15e-05
522	16	13.98	-1.99	1.85	3.21e-04	0.0	-7.40e-04
522	17	-13.98	2.46	-2.30	-5.74e-04	0.0	6.63e-04
522	45	-3.30	2.95	-0.89	-6.25e-04	0.0	6.63e-05
522	48	11.95	-1.77	1.55	2.82e-04	0.0	-6.21e-04
522	49	-11.94	2.24	-2.00	-5.35e-04	0.0	5.44e-04
522	77	-2.52	2.93	-0.78	-6.20e-04	0.0	2.21e-06
522	80	10.39	-1.53	1.32	2.32e-04	0.0	-5.43e-04
522	81	-10.39	1.99	-1.76	-4.85e-04	0.0	4.67e-04
522	109	-2.16	2.63	-0.71	-5.65e-04	0.0	-7.79e-06
522	112	17.40	-2.48	2.36	4.20e-04	0.0	-9.18e-04
522	113	-17.39	2.95	-2.81	-6.73e-04	0.0	8.41e-04
522	141	-4.26	3.45	-1.06	-7.19e-04	0.0	1.16e-04
522	145	2.48e-03	0.29	-0.26	-1.55e-04	0.0	-4.75e-05
522	146	2.03e-03	0.30	-0.28	-1.63e-04	0.0	-4.97e-05
522	151	2.02e-03	0.25	-0.23	-1.34e-04	0.0	-4.07e-05
522	156	1.87e-03	0.23	-0.22	-1.27e-04	0.0	-3.84e-05
523	4	5.44e-04	0.57	-0.41	-2.32e-04	0.0	-6.52e-05
523	9	-1.34e-03	0.34	-0.28	-1.40e-04	0.0	-3.62e-05
523	16	16.02	-2.16	1.92	2.99e-04	0.0	-8.49e-04
523	17	-16.02	2.77	-2.39	-5.50e-04	0.0	7.79e-04
523	45	-3.85	3.29	-0.93	-5.66e-04	0.0	1.09e-04
523	48	13.67	-1.92	1.60	2.59e-04	0.0	-7.15e-04
523	49	-13.67	2.54	-2.07	-5.11e-04	0.0	6.45e-04
523	77	-2.95	3.26	-0.82	-5.59e-04	0.0	3.72e-05
523	80	11.89	-1.65	1.36	2.12e-04	0.0	-6.25e-04
523	81	-11.89	2.26	-1.83	-4.64e-04	0.0	5.55e-04
523	109	-2.54	2.93	-0.75	-5.11e-04	0.0	2.31e-05
523	112	19.94	-2.71	2.44	3.93e-04	0.0	-1.05e-03
523	113	-19.94	3.32	-2.91	-6.45e-04	0.0	9.85e-04
523	141	-4.96	3.84	-1.11	-6.50e-04	0.0	1.70e-04
523	145	8.78e-04	0.38	-0.28	-1.54e-04	0.0	-4.34e-05
523	146	3.96e-04	0.40	-0.29	-1.62e-04	0.0	-4.53e-05
523	151	6.46e-04	0.33	-0.25	-1.33e-04	0.0	-3.71e-05
523	156	5.68e-04	0.31	-0.24	-1.26e-04	0.0	-3.49e-05
524	4	1.73e-04	0.70	-0.43	-2.29e-04	0.0	-4.32e-05
524	9	-9.26e-04	0.42	-0.30	-1.39e-04	0.0	-2.32e-05
524	16	18.09	-2.32	1.96	2.87e-04	0.0	-9.58e-04
524	17	-18.09	3.08	-2.45	-5.35e-04	0.0	9.12e-04
524	45	-4.39	3.59	-0.97	-5.24e-04	0.0	1.54e-04
524	48	15.42	-2.06	1.64	2.47e-04	0.0	-8.08e-04
524	49	-15.42	2.82	-2.13	-4.95e-04	0.0	7.62e-04
524	77	-3.38	3.56	-0.86	-5.16e-04	0.0	7.45e-05
524	80	13.41	-1.76	1.39	2.01e-04	0.0	-7.04e-04
524	81	-13.41	2.52	-1.89	-4.49e-04	0.0	6.58e-04
524	109	-2.91	3.20	-0.78	-4.72e-04	0.0	5.70e-05
524	112	22.51	-2.92	2.49	3.79e-04	0.0	-1.19e-03
524	113	-22.51	3.68	-2.99	-6.28e-04	0.0	1.15e-03
524	141	-5.65	4.19	-1.15	-6.01e-04	0.0	2.24e-04
524	146	1.43e-04	0.49	-0.31	-1.60e-04	0.0	-3.00e-05
524	147	-5.90e-04	0.30	-0.22	-9.96e-05	0.0	-1.66e-05
524	151	3.49e-04	0.40	-0.26	-1.31e-04	0.0	-2.45e-05
524	156	3.09e-04	0.38	-0.25	-1.24e-04	0.0	-2.31e-05
525	3	7.20e-04	0.79	-0.45	-2.81e-04	0.0	0.0
525	4	6.75e-04	0.83	-0.47	-2.98e-04	0.0	0.0
525	16	20.16	-2.48	1.96	2.69e-04	0.0	-1.16e-03
525	17	-20.16	3.38	-2.50	-5.93e-04	0.0	1.16e-03
525	45	-4.92	3.88	-1.01	-6.83e-04	0.0	1.85e-04

525	48	17.18	-2.19	1.64	2.43e-04	0.0	-1.00e-03
525	49	-17.18	3.09	-2.18	-5.67e-04	0.0	1.00e-03
525	77	-3.80	3.83	-0.90	-6.85e-04	0.0	1.00e-04
525	80	14.93	-1.87	1.39	1.96e-04	0.0	-8.75e-04
525	81	-14.93	2.77	-1.93	-5.19e-04	0.0	8.76e-04
525	109	-3.27	3.46	-0.82	-6.28e-04	0.0	8.20e-05
525	112	25.09	-3.13	2.50	3.60e-04	0.0	-1.44e-03
525	113	-25.09	4.04	-3.04	-6.84e-04	0.0	1.44e-03
525	125	-23.56	4.54	-2.92	-7.23e-04	0.0	1.51e-03
525	145	5.01e-04	0.55	-0.32	-1.97e-04	0.0	0.0
525	146	4.71e-04	0.58	-0.34	-2.08e-04	0.0	0.0
525	151	4.19e-04	0.48	-0.28	-1.70e-04	0.0	0.0
525	156	3.91e-04	0.45	-0.27	-1.62e-04	0.0	0.0
526	3	4.82e-03	0.11	-0.33	0.0	5.71e-06	0.0
526	4	4.55e-03	0.11	-0.35	0.0	5.24e-06	0.0
526	16	9.73	-2.19	-0.42	0.0	3.22e-03	-6.87e-04
526	19	9.73	-1.27	-0.43	0.0	3.22e-03	-6.87e-04
526	29	-8.76	2.63	-4.36e-03	0.0	-2.91e-03	7.05e-04
526	48	8.36	-1.94	-0.38	0.0	2.75e-03	-5.94e-04
526	51	8.36	-0.98	-0.40	0.0	2.75e-03	-5.93e-04
526	61	-7.06	2.27	-0.04	0.0	-2.33e-03	5.66e-04
526	80	7.28	-1.69	-0.36	0.0	2.39e-03	-5.17e-04
526	83	7.28	-0.83	-0.37	0.0	2.39e-03	-5.17e-04
526	109	-1.34	2.01	-0.18	0.0	-4.92e-04	3.76e-05
526	112	12.09	-2.70	-0.47	0.0	4.01e-03	-8.52e-04
526	115	12.09	-1.63	-0.48	0.0	4.01e-03	-8.51e-04
526	125	-11.15	3.27	0.05	0.0	-3.71e-03	8.99e-04
526	145	3.36e-03	0.07	-0.24	0.0	3.96e-06	0.0
526	146	3.19e-03	0.08	-0.25	0.0	3.65e-06	0.0
526	151	2.82e-03	0.06	-0.21	0.0	3.27e-06	0.0
526	156	2.65e-03	0.06	-0.20	0.0	3.04e-06	0.0
527	3	6.73e-03	0.22	-0.35	0.0	1.59e-06	2.41e-06
527	4	6.17e-03	0.23	-0.38	0.0	1.15e-06	2.05e-06
527	16	11.60	-2.46	-0.45	0.0	3.31e-03	-8.32e-04
527	19	11.60	-1.42	-0.46	0.0	3.31e-03	-8.32e-04
527	29	-10.47	3.08	-2.30e-03	0.0	-2.99e-03	8.52e-04
527	48	9.94	-2.17	-0.41	0.0	2.82e-03	-7.18e-04
527	51	9.93	-1.08	-0.42	0.0	2.82e-03	-7.17e-04
527	61	-8.42	2.66	-0.05	0.0	-2.39e-03	6.83e-04
527	80	8.65	-1.89	-0.38	0.0	2.45e-03	-6.25e-04
527	83	8.65	-0.91	-0.40	0.0	2.45e-03	-6.24e-04
527	109	-1.67	2.35	-0.19	0.0	-5.05e-04	5.50e-05
527	112	14.42	-3.06	-0.50	0.0	4.11e-03	-1.03e-03
527	115	14.42	-1.84	-0.52	0.0	4.11e-03	-1.03e-03
527	125	-13.34	3.82	0.06	0.0	-3.81e-03	1.09e-03
527	145	4.68e-03	0.15	-0.25	0.0	1.07e-06	1.59e-06
527	146	4.30e-03	0.16	-0.27	0.0	0.0	1.36e-06
527	151	3.87e-03	0.13	-0.22	0.0	0.0	1.17e-06
527	156	3.60e-03	0.13	-0.21	0.0	0.0	1.03e-06
528	3	6.32e-03	0.34	-0.37	0.0	0.0	5.73e-06
528	4	5.50e-03	0.36	-0.40	0.0	0.0	5.30e-06
528	16	13.52	-2.75	-0.47	0.0	3.39e-03	-9.91e-04
528	19	13.52	-1.57	-0.49	0.0	3.39e-03	-9.90e-04
528	29	-12.24	3.55	1.30e-03	0.0	-3.07e-03	1.01e-03
528	48	11.56	-2.42	-0.44	0.0	2.89e-03	-8.53e-04
528	51	11.56	-1.19	-0.45	0.0	2.89e-03	-8.53e-04
528	61	-9.83	3.07	-0.04	0.0	-2.45e-03	8.09e-04
528	80	10.06	-2.09	-0.41	0.0	2.51e-03	-7.42e-04
528	83	10.06	-1.00	-0.42	0.0	2.51e-03	-7.42e-04
528	93	-8.51	2.71	-0.07	0.0	-2.12e-03	7.01e-04
528	112	16.82	-3.42	-0.54	0.0	4.22e-03	-1.23e-03
528	115	16.82	-2.05	-0.55	0.0	4.22e-03	-1.23e-03
528	125	-15.60	4.39	0.06	0.0	-3.91e-03	1.29e-03
528	145	4.36e-03	0.24	-0.26	0.0	0.0	3.89e-06
528	146	3.82e-03	0.25	-0.28	0.0	0.0	3.60e-06
528	151	3.53e-03	0.21	-0.23	0.0	0.0	3.08e-06
528	156	3.26e-03	0.20	-0.23	0.0	0.0	2.81e-06
529	3	5.47e-03	0.48	-0.39	0.0	0.0	8.23e-06
529	4	4.58e-03	0.50	-0.41	0.0	0.0	7.66e-06
529	16	15.50	-3.03	-0.50	0.0	3.44e-03	-1.16e-03
529	19	15.50	-1.73	-0.52	0.0	3.44e-03	-1.16e-03
529	29	-14.05	4.03	5.14e-03	0.0	-3.11e-03	1.18e-03
529	48	13.23	-2.66	-0.46	0.0	2.93e-03	-9.95e-04
529	51	13.23	-1.30	-0.48	0.0	2.93e-03	-9.95e-04
529	61	-11.27	3.50	-0.04	0.0	-2.48e-03	9.41e-04

529	80	11.51	-2.30	-0.43	0.0	2.55e-03	-8.65e-04
529	83	11.51	-1.08	-0.44	0.0	2.55e-03	-8.66e-04
529	93	-9.76	3.09	-0.07	0.0	-2.15e-03	8.15e-04
529	112	19.28	-3.79	-0.56	0.0	4.28e-03	-1.43e-03
529	115	19.28	-2.27	-0.58	0.0	4.28e-03	-1.44e-03
529	125	-17.91	4.97	0.07	0.0	-3.96e-03	1.50e-03
529	145	3.76e-03	0.33	-0.28	0.0	0.0	5.61e-06
529	146	3.17e-03	0.35	-0.29	0.0	0.0	5.23e-06
529	151	2.99e-03	0.29	-0.25	0.0	0.0	4.49e-06
529	156	2.73e-03	0.27	-0.23	0.0	0.0	4.12e-06
530	3	5.57e-03	0.62	-0.40	0.0	1.50e-06	9.65e-06
530	4	4.81e-03	0.66	-0.43	0.0	1.65e-06	8.81e-06
530	16	17.49	-3.31	-0.52	0.0	3.38e-03	-1.34e-03
530	19	17.49	-1.88	-0.54	0.0	3.38e-03	-1.34e-03
530	29	-15.88	4.53	9.11e-03	0.0	-3.04e-03	1.36e-03
530	48	14.92	-2.90	-0.48	0.0	2.89e-03	-1.15e-03
530	51	14.92	-1.41	-0.50	0.0	2.89e-03	-1.15e-03
530	61	-12.72	3.93	-0.04	0.0	-2.43e-03	1.09e-03
530	80	12.98	-2.50	-0.45	0.0	2.51e-03	-1.00e-03
530	83	12.98	-1.16	-0.46	0.0	2.51e-03	-1.00e-03
530	93	-11.01	3.48	-0.07	0.0	-2.10e-03	9.40e-04
530	112	21.76	-4.15	-0.59	0.0	4.20e-03	-1.66e-03
530	115	21.76	-2.49	-0.61	0.0	4.20e-03	-1.67e-03
530	125	-20.23	5.57	0.08	0.0	-3.88e-03	1.73e-03
530	145	3.83e-03	0.44	-0.29	0.0	1.04e-06	6.58e-06
530	146	3.32e-03	0.46	-0.30	0.0	1.13e-06	6.02e-06
530	151	3.06e-03	0.38	-0.25	0.0	0.0	5.24e-06
530	156	2.80e-03	0.36	-0.24	0.0	0.0	4.79e-06
531	3	7.11e-03	0.79	-0.42	-2.97e-04	3.69e-06	9.28e-06
531	4	6.51e-03	0.83	-0.44	-3.13e-04	3.45e-06	7.99e-06
531	16	19.41	-3.56	-0.55	-8.64e-05	3.19e-03	-1.57e-03
531	19	19.40	-2.01	-0.56	-1.26e-04	3.19e-03	-1.57e-03
531	29	-17.62	5.00	0.01	-2.66e-04	-2.84e-03	1.58e-03
531	48	16.55	-3.12	-0.50	-9.29e-05	-2.73e-03	-1.35e-03
531	51	16.55	-1.51	-0.52	-1.35e-04	2.73e-03	-1.35e-03
531	61	-14.11	4.35	-0.04	-2.56e-04	-2.28e-03	1.26e-03
531	80	14.39	-2.67	-0.47	-1.02e-04	2.38e-03	-1.18e-03
531	83	14.39	-1.23	-0.49	-1.39e-04	2.37e-03	-1.18e-03
531	93	-12.21	3.86	-0.07	-2.46e-04	-1.97e-03	1.09e-03
531	112	24.15	-4.48	-0.62	-6.81e-05	3.96e-03	-1.95e-03
531	115	24.15	-2.68	-0.64	-1.14e-04	3.96e-03	-1.95e-03
531	125	-22.46	6.14	0.09	-2.89e-04	-3.63e-03	2.01e-03
531	145	4.90e-03	0.55	-0.30	-2.08e-04	2.54e-06	6.30e-06
531	146	4.49e-03	0.58	-0.31	-2.18e-04	2.38e-06	5.44e-06
531	151	3.99e-03	0.48	-0.26	-1.80e-04	2.06e-06	4.91e-06
531	156	3.68e-03	0.45	-0.25	-1.70e-04	1.90e-06	4.44e-06
532	3	4.57e-03	0.11	-0.26	0.0	6.91e-06	1.03e-06
532	4	4.17e-03	0.11	-0.27	0.0	6.28e-06	0.0
532	16	9.40	-2.19	-0.34	0.0	3.11e-03	-7.09e-04
532	29	-8.38	2.64	4.93e-03	0.0	-2.79e-03	7.25e-04
532	48	8.08	-1.94	-0.31	0.0	2.66e-03	-6.12e-04
532	61	-6.76	2.27	-0.03	0.0	-2.23e-03	5.82e-04
532	80	7.04	-1.69	-0.29	0.0	2.31e-03	-5.33e-04
532	109	-1.24	2.01	-0.13	0.0	-4.54e-04	4.30e-05
532	112	11.68	-2.70	-0.38	0.0	3.87e-03	-8.79e-04
532	125	-10.67	3.28	0.05	0.0	-3.56e-03	9.25e-04
532	145	3.16e-03	0.08	-0.18	0.0	4.75e-06	0.0
532	146	2.88e-03	0.08	-0.19	0.0	4.34e-06	0.0
532	151	2.58e-03	0.07	-0.16	0.0	3.86e-06	0.0
532	156	2.38e-03	0.06	-0.16	0.0	3.56e-06	0.0
533	3	7.97e-03	0.22	-0.27	0.0	4.46e-06	3.80e-06
533	4	7.19e-03	0.23	-0.29	0.0	3.91e-06	3.37e-06
533	16	11.20	-2.46	-0.37	0.0	3.17e-03	-8.70e-04
533	29	-10.01	3.08	0.01	0.0	-2.84e-03	8.85e-04
533	48	9.60	-2.17	-0.34	0.0	2.71e-03	-7.49e-04
533	61	-8.05	2.66	-0.02	0.0	-2.27e-03	7.09e-04
533	80	8.36	-1.89	-0.31	0.0	2.35e-03	-6.52e-04
533	109	-1.54	2.35	-0.14	0.0	-4.62e-04	6.23e-05
533	112	13.92	-3.06	-0.41	0.0	3.95e-03	-1.08e-03
533	125	-12.75	3.82	0.06	0.0	-3.62e-03	1.13e-03
533	145	5.48e-03	0.15	-0.19	0.0	3.05e-06	2.54e-06
533	146	4.97e-03	0.16	-0.20	0.0	2.68e-06	2.26e-06
533	151	4.45e-03	0.13	-0.17	0.0	2.42e-06	1.93e-06
533	156	4.10e-03	0.13	-0.17	0.0	2.21e-06	1.73e-06
534	3	9.72e-03	0.34	-0.28	0.0	2.44e-06	7.32e-06

534	4	8.65e-03	0.36	-0.30	0.0	2.04e-06	6.73e-06
534	16	13.04	-2.75	-0.39	0.0	3.23e-03	-1.05e-03
534	29	-11.68	3.55	0.02	0.0	-2.90e-03	1.07e-03
534	48	11.16	-2.42	-0.36	0.0	2.76e-03	-9.07e-04
534	61	-9.38	3.07	-0.02	0.0	-2.32e-03	8.54e-04
534	80	9.71	-2.09	-0.34	0.0	2.40e-03	-7.89e-04
534	93	-8.12	2.71	-0.04	0.0	-2.00e-03	7.39e-04
534	112	16.22	-3.42	-0.45	0.0	4.02e-03	-1.31e-03
534	125	-14.88	4.39	0.08	0.0	-3.70e-03	1.36e-03
534	145	6.67e-03	0.24	-0.20	0.0	1.64e-06	4.96e-06
534	146	5.96e-03	0.25	-0.21	0.0	1.38e-06	4.57e-06
534	151	5.36e-03	0.21	-0.18	0.0	1.26e-06	3.91e-06
534	156	4.92e-03	0.20	-0.17	0.0	1.13e-06	3.56e-06
535	3	0.01	0.48	-0.29	0.0	1.60e-06	1.01e-05
535	4	9.36e-03	0.50	-0.31	0.0	1.38e-06	9.24e-06
535	16	14.92	-3.03	-0.42	0.0	3.26e-03	-1.25e-03
535	29	-13.39	4.03	0.03	0.0	-2.92e-03	1.26e-03
535	48	12.75	-2.66	-0.38	0.0	2.78e-03	-1.08e-03
535	61	-10.73	3.50	-0.01	0.0	-2.33e-03	1.01e-03
535	80	11.09	-2.30	-0.36	0.0	2.42e-03	-9.38e-04
535	93	-9.29	3.09	-0.03	0.0	-2.02e-03	8.75e-04
535	112	18.56	-3.79	-0.47	0.0	4.05e-03	-1.56e-03
535	125	-17.06	4.97	0.09	0.0	-3.72e-03	1.61e-03
535	145	7.25e-03	0.33	-0.21	0.0	1.07e-06	6.84e-06
535	146	6.43e-03	0.35	-0.22	0.0	0.0	6.29e-06
535	151	5.78e-03	0.29	-0.19	0.0	0.0	5.42e-06
535	156	5.29e-03	0.27	-0.18	0.0	0.0	4.94e-06
536	3	0.01	0.62	-0.30	0.0	1.58e-06	1.12e-05
536	4	0.01	0.66	-0.32	0.0	1.42e-06	1.00e-05
536	16	16.80	-3.31	-0.44	0.0	3.21e-03	-1.46e-03
536	29	-15.09	4.52	0.04	0.0	-2.87e-03	1.47e-03
536	48	14.34	-2.90	-0.40	0.0	2.75e-03	-1.26e-03
536	61	-12.09	3.93	-6.90e-03	0.0	-2.29e-03	1.17e-03
536	80	12.48	-2.49	-0.37	0.0	2.39e-03	-1.09e-03
536	93	-10.46	3.48	-0.03	0.0	-1.98e-03	1.02e-03
536	112	20.90	-4.15	-0.50	0.0	4.00e-03	-1.82e-03
536	125	-19.23	5.56	0.10	0.0	-3.65e-03	1.87e-03
536	145	7.82e-03	0.44	-0.22	0.0	1.07e-06	7.59e-06
536	146	6.95e-03	0.46	-0.23	0.0	0.0	6.81e-06
536	151	6.23e-03	0.38	-0.19	0.0	0.0	5.96e-06
536	156	5.69e-03	0.36	-0.19	0.0	0.0	5.41e-06
537	3	0.01	0.79	-0.31	-2.33e-04	1.48e-06	1.03e-05
537	4	0.01	0.83	-0.33	-2.46e-04	1.20e-06	8.79e-06
537	16	18.62	-3.56	-0.46	-1.88e-05	3.09e-03	-1.64e-03
537	29	-16.73	5.00	0.04	-2.55e-04	-2.74e-03	1.64e-03
537	48	15.89	-3.12	-0.42	-3.12e-05	2.65e-03	-1.41e-03
537	61	-13.40	4.35	-3.21e-03	-2.38e-04	-2.20e-03	1.31e-03
537	80	13.82	-2.67	-0.39	-4.39e-05	2.31e-03	-1.23e-03
537	93	-11.59	3.86	-0.03	-2.25e-04	-1.90e-03	1.13e-03
537	112	23.17	-4.48	-0.52	7.46e-06	3.85e-03	-2.04e-03
537	125	-21.33	6.14	0.11	-2.85e-04	-3.50e-03	2.09e-03
537	145	8.49e-03	0.55	-0.22	-1.63e-04	0.0	6.96e-06
537	146	7.57e-03	0.58	-0.24	-1.71e-04	0.0	5.95e-06
537	151	6.76e-03	0.48	-0.20	-1.41e-04	0.0	5.34e-06
537	156	6.18e-03	0.45	-0.19	-1.34e-04	0.0	4.80e-06
538	3	5.58e-03	0.11	-0.20	0.0	8.86e-06	2.95e-06
538	4	5.04e-03	0.12	-0.21	0.0	8.01e-06	2.69e-06
538	16	9.06	-2.19	-0.32	0.0	2.97e-03	-7.51e-04
538	29	-7.98	2.64	0.06	0.0	-2.63e-03	7.64e-04
538	48	7.79	-1.94	-0.29	0.0	2.54e-03	-6.48e-04
538	61	-6.43	2.27	0.03	0.0	-2.10e-03	6.13e-04
538	80	6.79	-1.69	-0.27	0.0	2.21e-03	-5.64e-04
538	109	-1.13	2.01	-0.07	0.0	-4.10e-04	5.37e-05
538	112	11.25	-2.70	-0.37	0.0	3.70e-03	-9.32e-04
538	125	-10.15	3.28	0.11	0.0	-3.36e-03	9.75e-04
538	145	3.83e-03	0.08	-0.14	0.0	6.06e-06	1.99e-06
538	146	3.47e-03	0.08	-0.15	0.0	5.50e-06	1.82e-06
538	151	3.07e-03	0.07	-0.13	0.0	4.86e-06	1.55e-06
538	156	2.82e-03	0.06	-0.12	0.0	4.45e-06	1.40e-06
539	3	0.01	0.22	-0.21	0.0	7.14e-06	5.99e-06
539	4	9.41e-03	0.23	-0.22	0.0	6.39e-06	5.49e-06
539	16	10.77	-2.46	-0.35	0.0	3.01e-03	-9.44e-04
539	29	-9.51	3.08	0.08	0.0	-2.67e-03	9.52e-04
539	48	9.24	-2.17	-0.32	0.0	2.57e-03	-8.12e-04
539	61	-7.65	2.66	0.04	0.0	-2.13e-03	7.62e-04

539	80	8.04	-1.88	-0.29	0.0	2.24e-03	-7.06e-04
539	109	-1.40	2.35	-0.07	0.0	-4.15e-04	7.99e-05
539	112	13.38	-3.06	-0.40	0.0	3.75e-03	-1.17e-03
539	125	-12.12	3.82	0.13	0.0	-3.41e-03	1.21e-03
539	145	7.14e-03	0.15	-0.15	0.0	4.87e-06	4.05e-06
539	146	6.46e-03	0.16	-0.16	0.0	4.37e-06	3.72e-06
539	151	5.72e-03	0.13	-0.13	0.0	3.87e-06	3.18e-06
539	156	5.25e-03	0.13	-0.13	0.0	3.54e-06	2.89e-06
540	3	0.01	0.34	-0.21	0.0	5.04e-06	9.02e-06
540	4	0.01	0.36	-0.23	0.0	4.41e-06	8.26e-06
540	16	12.51	-2.75	-0.37	0.0	3.06e-03	-1.15e-03
540	29	-11.08	3.55	0.09	0.0	-2.71e-03	1.15e-03
540	48	10.72	-2.42	-0.34	0.0	2.61e-03	-9.86e-04
540	61	-8.90	3.07	0.05	0.0	-2.16e-03	9.20e-04
540	80	9.33	-2.09	-0.31	0.0	2.27e-03	-8.57e-04
540	93	-7.70	2.71	0.03	0.0	-1.87e-03	7.97e-04
540	112	15.56	-3.42	-0.43	0.0	3.80e-03	-1.43e-03
540	125	-14.12	4.39	0.15	0.0	-3.46e-03	1.47e-03
540	145	9.57e-03	0.24	-0.15	0.0	3.42e-06	6.11e-06
540	146	8.62e-03	0.25	-0.16	0.0	3.00e-06	5.60e-06
540	151	7.63e-03	0.21	-0.14	0.0	2.68e-06	4.81e-06
540	156	6.99e-03	0.20	-0.13	0.0	2.43e-06	4.38e-06
541	3	0.02	0.48	-0.22	0.0	3.13e-06	1.11e-05
541	4	0.01	0.50	-0.24	0.0	2.63e-06	1.01e-05
541	16	14.28	-3.03	-0.40	0.0	3.08e-03	-1.36e-03
541	29	-12.67	4.03	0.11	0.0	-2.73e-03	1.35e-03
541	48	12.22	-2.66	-0.36	0.0	2.63e-03	-1.16e-03
541	61	-10.16	3.50	0.06	0.0	-2.18e-03	1.08e-03
541	80	10.63	-2.29	-0.33	0.0	2.29e-03	-1.01e-03
541	93	-8.79	3.09	0.03	0.0	-1.88e-03	9.36e-04
541	112	17.76	-3.79	-0.46	0.0	3.83e-03	-1.68e-03
541	125	-16.15	4.97	0.17	0.0	-3.48e-03	1.72e-03
541	145	0.01	0.33	-0.16	0.0	2.11e-06	7.55e-06
541	146	9.96e-03	0.35	-0.17	0.0	1.77e-06	6.84e-06
541	151	8.84e-03	0.29	-0.14	0.0	1.61e-06	5.92e-06
541	156	8.07e-03	0.27	-0.14	0.0	1.44e-06	5.38e-06
542	3	0.02	0.62	-0.22	0.0	1.44e-06	1.18e-05
542	4	0.02	0.66	-0.24	0.0	1.05e-06	1.04e-05
542	16	16.06	-3.31	-0.42	0.0	3.06e-03	-1.55e-03
542	29	-14.26	4.52	0.12	0.0	-2.71e-03	1.54e-03
542	48	13.73	-2.90	-0.38	0.0	2.62e-03	-1.33e-03
542	61	-11.42	3.93	0.07	0.0	-2.16e-03	1.23e-03
542	80	11.94	-2.49	-0.35	0.0	2.28e-03	-1.15e-03
542	93	-9.89	3.48	0.04	0.0	-1.87e-03	1.06e-03
542	112	19.97	-4.15	-0.49	0.0	3.81e-03	-1.92e-03
542	125	-18.17	5.56	0.19	0.0	-3.45e-03	1.96e-03
542	145	0.01	0.44	-0.16	0.0	0.0	7.94e-06
542	146	0.01	0.46	-0.17	0.0	0.0	7.01e-06
542	151	9.50e-03	0.38	-0.15	0.0	0.0	6.15e-06
542	156	8.66e-03	0.36	-0.14	0.0	0.0	5.56e-06
543	3	0.02	0.79	-0.23	-1.94e-04	0.0	1.07e-05
543	4	0.02	0.83	-0.25	-2.05e-04	0.0	9.08e-06
543	16	17.81	-3.56	-0.44	8.63e-05	3.01e-03	-1.69e-03
543	19	17.81	-2.01	-0.42	4.64e-05	3.01e-03	-1.69e-03
543	29	-15.82	5.00	0.13	-3.08e-04	-2.66e-03	1.67e-03
543	48	15.21	-3.12	-0.40	6.16e-05	2.58e-03	-1.45e-03
543	61	-12.67	4.35	0.08	-2.76e-04	-2.13e-03	1.34e-03
543	80	13.23	-2.67	-0.37	3.97e-05	2.24e-03	-1.26e-03
543	93	-10.96	3.86	0.05	-2.54e-04	-1.84e-03	1.16e-03
543	112	22.15	-4.48	-0.51	1.33e-04	3.75e-03	-2.10e-03
543	115	22.15	-2.68	-0.49	8.65e-05	3.75e-03	-2.10e-03
543	125	-20.17	6.13	0.20	-3.59e-04	-3.39e-03	2.14e-03
543	145	0.01	0.55	-0.17	-1.36e-04	0.0	7.19e-06
543	146	0.01	0.58	-0.18	-1.43e-04	0.0	6.11e-06
543	151	9.63e-03	0.48	-0.15	-1.17e-04	0.0	5.47e-06
543	154	8.17e-03	0.46	-0.15	-1.14e-04	0.0	4.46e-06
543	156	8.76e-03	0.45	-0.15	-1.11e-04	0.0	4.89e-06
544	3	7.63e-03	0.11	-0.14	0.0	1.18e-05	4.89e-06
544	4	6.96e-03	0.12	-0.15	0.0	1.07e-05	4.62e-06
544	16	8.68	-2.19	-0.37	0.0	2.79e-03	-8.03e-04
544	29	-7.94	2.64	0.17	0.0	-2.54e-03	8.13e-04
544	48	7.48	-1.94	-0.33	0.0	2.39e-03	-6.91e-04
544	61	-6.52	2.27	0.12	0.0	-2.06e-03	6.51e-04
544	80	6.51	-1.69	-0.30	0.0	2.08e-03	-6.01e-04
544	109	-2.27	2.01	-3.67e-03	0.0	-6.74e-04	6.69e-05

544	112	10.78	-2.70	-0.43	0.0	3.48e-03	-9.97e-04
544	125	-10.06	3.28	0.24	0.0	-3.23e-03	1.04e-03
544	145	5.22e-03	0.08	-0.10	0.0	8.08e-06	3.34e-06
544	146	4.77e-03	0.08	-0.11	0.0	7.35e-06	3.16e-06
544	151	4.18e-03	0.07	-0.09	0.0	6.44e-06	2.69e-06
544	156	3.83e-03	0.06	-0.09	0.0	5.90e-06	2.48e-06
545	3	0.01	0.22	-0.15	0.0	9.79e-06	8.28e-06
545	4	0.01	0.23	-0.16	0.0	8.76e-06	7.72e-06
545	16	10.29	-2.46	-0.40	0.0	2.83e-03	-1.03e-03
545	29	-9.41	3.08	0.20	0.0	-2.48e-03	1.03e-03
545	48	8.84	-2.17	-0.36	0.0	2.42e-03	-8.83e-04
545	61	-7.69	2.66	0.14	0.0	-1.98e-03	8.23e-04
545	80	7.70	-1.88	-0.32	0.0	2.10e-03	-7.68e-04
545	109	-2.63	2.35	2.80e-03	0.0	-3.64e-04	1.01e-04
545	112	12.78	-3.06	-0.48	0.0	3.52e-03	-1.28e-03
545	125	-11.93	3.82	0.27	0.0	-3.17e-03	1.31e-03
545	145	9.71e-03	0.15	-0.11	0.0	6.66e-06	5.64e-06
545	146	8.84e-03	0.16	-0.11	0.0	5.98e-06	5.26e-06
545	151	7.75e-03	0.13	-0.10	0.0	5.27e-06	4.49e-06
545	154	6.75e-03	0.13	-0.10	0.0	4.53e-06	3.96e-06
545	156	7.10e-03	0.13	-0.09	0.0	4.80e-06	4.11e-06
546	3	0.02	0.34	-0.15	0.0	6.98e-06	1.06e-05
546	4	0.02	0.36	-0.16	0.0	6.06e-06	9.75e-06
546	16	11.93	-2.75	-0.43	0.0	2.88e-03	-1.24e-03
546	29	-10.90	3.55	0.22	0.0	-2.52e-03	1.23e-03
546	48	10.23	-2.42	-0.39	0.0	2.46e-03	-1.06e-03
546	61	-8.88	3.07	0.16	0.0	-2.02e-03	9.85e-04
546	80	8.90	-2.09	-0.35	0.0	2.14e-03	-9.25e-04
546	93	-7.71	2.71	0.13	0.0	-1.74e-03	8.53e-04
546	112	14.82	-3.42	-0.51	0.0	3.58e-03	-1.54e-03
546	125	-13.83	4.39	0.31	0.0	-3.22e-03	1.57e-03
546	145	0.01	0.24	-0.11	0.0	4.73e-06	7.22e-06
546	146	0.01	0.25	-0.12	0.0	4.11e-06	6.63e-06
546	151	0.01	0.21	-0.10	0.0	3.67e-06	5.70e-06
546	154	9.03e-03	0.20	-0.10	0.0	3.07e-06	4.95e-06
546	156	9.53e-03	0.20	-0.10	0.0	3.32e-06	5.19e-06
547	3	0.02	0.48	-0.15	0.0	4.02e-06	1.19e-05
547	4	0.02	0.51	-0.17	0.0	3.24e-06	1.06e-05
547	11	0.01	0.47	-0.17	0.0	1.42e-06	6.74e-06
547	16	13.60	-3.03	-0.46	0.0	2.91e-03	-1.43e-03
547	29	-11.91	4.03	0.24	0.0	-2.56e-03	1.42e-03
547	48	11.64	-2.66	-0.41	0.0	2.49e-03	-1.23e-03
547	61	-9.55	3.50	0.18	0.0	-2.04e-03	1.13e-03
547	80	10.13	-2.29	-0.37	0.0	2.17e-03	-1.07e-03
547	93	-8.27	3.09	0.14	0.0	-1.77e-03	9.82e-04
547	112	16.90	-3.79	-0.55	0.0	3.62e-03	-1.78e-03
547	125	-15.18	4.97	0.34	0.0	-3.26e-03	1.81e-03
547	145	0.02	0.33	-0.11	0.0	2.69e-06	8.03e-06
547	146	0.01	0.35	-0.12	0.0	2.17e-06	7.21e-06
547	149	8.89e-03	0.33	-0.12	0.0	0.0	4.61e-06
547	151	0.01	0.29	-0.10	0.0	2.00e-06	6.26e-06
547	154	0.01	0.28	-0.10	0.0	1.57e-06	5.33e-06
547	156	0.01	0.27	-0.10	0.0	1.77e-06	5.66e-06
548	3	0.02	0.62	-0.16	0.0	1.07e-06	1.19e-05
548	4	0.02	0.66	-0.17	0.0	0.0	1.03e-05
548	11	0.01	0.61	-0.17	0.0	0.0	5.97e-06
548	16	15.28	-3.31	-0.49	0.0	2.82e-03	-1.60e-03
548	29	-13.40	4.52	0.26	0.0	-2.57e-03	1.58e-03
548	48	13.08	-2.90	-0.43	0.0	2.38e-03	-1.37e-03
548	61	-10.74	3.93	0.20	0.0	-2.06e-03	1.26e-03
548	80	11.38	-2.49	-0.39	0.0	2.07e-03	-1.20e-03
548	93	-9.29	3.48	0.16	0.0	-1.78e-03	1.09e-03
548	112	19.00	-4.15	-0.58	0.0	3.52e-03	-1.99e-03
548	125	-17.09	5.56	0.36	0.0	-3.28e-03	2.02e-03
548	145	0.02	0.44	-0.11	0.0	0.0	7.99e-06
548	146	0.01	0.46	-0.12	0.0	0.0	6.96e-06
548	149	9.03e-03	0.43	-0.12	0.0	0.0	4.06e-06
548	151	0.01	0.38	-0.11	0.0	0.0	6.12e-06
548	154	0.01	0.37	-0.11	0.0	0.0	5.09e-06
548	156	0.01	0.36	-0.10	0.0	0.0	5.50e-06
549	3	0.02	0.79	-0.16	-1.76e-04	-2.07e-06	1.06e-05
549	4	0.02	0.83	-0.17	-1.86e-04	-2.42e-06	8.89e-06
549	11	0.01	0.76	-0.18	-1.72e-04	-2.54e-06	4.51e-06
549	16	16.97	-3.56	-0.51	2.04e-04	2.93e-03	-1.73e-03
549	29	-14.90	5.00	0.28	-3.99e-04	-2.57e-03	1.70e-03

549	48	14.51	-3.11	-0.46	1.64e-04	2.51e-03	-1.48e-03
549	61	-11.93	4.35	0.21	-3.48e-04	-2.06e-03	1.36e-03
549	80	12.62	-2.67	-0.41	1.30e-04	2.18e-03	-1.29e-03
549	93	-10.32	3.86	0.17	-3.15e-04	-1.78e-03	1.18e-03
549	112	21.11	-4.48	-0.61	2.77e-04	3.65e-03	-2.14e-03
549	125	-19.00	6.13	0.39	-4.78e-04	-3.28e-03	2.17e-03
549	145	0.02	0.55	-0.12	-1.23e-04	-1.47e-06	7.10e-06
549	146	0.01	0.58	-0.12	-1.30e-04	-1.69e-06	5.95e-06
549	149	8.40e-03	0.54	-0.13	-1.20e-04	-1.78e-06	3.03e-06
549	151	0.01	0.48	-0.11	-1.06e-04	-1.32e-06	5.32e-06
549	154	0.01	0.46	-0.11	-1.04e-04	-1.36e-06	4.27e-06
549	156	0.01	0.45	-0.10	-1.01e-04	-1.27e-06	4.73e-06
550	3	0.01	0.11	-0.09	0.0	1.54e-05	6.88e-06
550	4	9.93e-03	0.12	-0.09	0.0	1.40e-05	6.60e-06
550	11	6.96e-03	0.11	-0.09	0.0	9.47e-06	5.04e-06
550	15	8.28	-1.32	-0.46	0.0	2.47e-03	-7.90e-04
550	16	7.86	-2.19	-0.50	0.0	2.58e-03	-8.59e-04
550	29	-7.51	2.64	0.36	0.0	-2.33e-03	8.66e-04
550	47	7.14	-1.02	-0.40	0.0	2.09e-03	-6.62e-04
550	48	6.69	-1.94	-0.44	0.0	2.20e-03	-7.39e-04
550	61	-6.18	2.27	0.29	0.0	-1.89e-03	6.93e-04
550	79	6.22	-0.87	-0.35	0.0	1.82e-03	-5.74e-04
550	80	5.82	-1.69	-0.39	0.0	1.92e-03	-6.42e-04
550	109	-2.21	2.01	0.09	0.0	-6.37e-04	8.12e-05
550	111	10.27	-1.69	-0.56	0.0	3.08e-03	-9.89e-04
550	112	9.79	-2.70	-0.61	0.0	3.20e-03	-1.07e-03
550	125	-9.51	3.27	0.48	0.0	-2.96e-03	1.10e-03
550	145	7.36e-03	0.08	-0.06	0.0	1.05e-05	4.73e-06
550	146	6.81e-03	0.08	-0.07	0.0	9.57e-06	4.54e-06
550	149	4.83e-03	0.08	-0.07	0.0	6.54e-06	3.50e-06
550	151	5.92e-03	0.07	-0.06	0.0	8.34e-06	3.87e-06
550	154	5.22e-03	0.06	-0.06	0.0	7.27e-06	3.51e-06
550	156	5.44e-03	0.06	-0.06	0.0	7.63e-06	3.58e-06
551	3	0.02	0.22	-0.09	0.0	1.22e-05	1.02e-05
551	4	0.02	0.23	-0.09	0.0	1.09e-05	9.64e-06
551	11	0.01	0.22	-0.09	0.0	6.92e-06	6.99e-06
551	15	9.76	-1.48	-0.50	0.0	2.52e-03	-1.02e-03
551	16	9.30	-2.46	-0.55	0.0	2.63e-03	-1.10e-03
551	29	-8.85	3.08	0.41	0.0	-2.38e-03	1.09e-03
551	47	8.40	-1.14	-0.43	0.0	2.13e-03	-8.55e-04
551	48	7.90	-2.17	-0.48	0.0	2.25e-03	-9.42e-04
551	61	-7.25	2.66	0.32	0.0	-1.93e-03	8.74e-04
551	79	7.31	-0.96	-0.38	0.0	1.85e-03	-7.42e-04
551	80	6.87	-1.88	-0.42	0.0	1.96e-03	-8.19e-04
551	109	-2.55	2.35	0.11	0.0	-6.55e-04	1.18e-04
551	111	12.12	-1.91	-0.61	0.0	3.15e-03	-1.27e-03
551	112	11.59	-3.06	-0.66	0.0	3.27e-03	-1.36e-03
551	125	-11.22	3.82	0.53	0.0	-3.03e-03	1.39e-03
551	145	0.01	0.15	-0.06	0.0	8.31e-06	6.99e-06
551	146	0.01	0.16	-0.07	0.0	7.43e-06	6.59e-06
551	149	8.36e-03	0.15	-0.07	0.0	4.76e-06	4.82e-06
551	151	0.01	0.13	-0.06	0.0	6.52e-06	5.62e-06
551	154	9.21e-03	0.13	-0.06	0.0	5.58e-06	5.01e-06
551	156	9.64e-03	0.13	-0.06	0.0	5.93e-06	5.17e-06
552	3	0.03	0.34	-0.08	0.0	8.22e-06	1.19e-05
552	4	0.02	0.36	-0.09	0.0	6.99e-06	1.10e-05
552	11	0.02	0.34	-0.10	0.0	3.80e-06	7.47e-06
552	15	11.30	-1.64	-0.54	0.0	2.59e-03	-1.21e-03
552	16	10.78	-2.75	-0.59	0.0	2.71e-03	-1.30e-03
552	29	-10.24	3.55	0.44	0.0	-2.46e-03	1.29e-03
552	47	9.70	-1.26	-0.46	0.0	2.19e-03	-1.02e-03
552	48	9.15	-2.42	-0.51	0.0	2.31e-03	-1.12e-03
552	61	-8.37	3.07	0.35	0.0	-1.99e-03	1.03e-03
552	79	8.44	-1.06	-0.41	0.0	1.90e-03	-8.85e-04
552	80	7.95	-2.09	-0.46	0.0	2.01e-03	-9.73e-04
552	93	-7.26	2.71	0.30	0.0	-1.73e-03	8.93e-04
552	111	14.03	-2.14	-0.65	0.0	3.23e-03	-1.52e-03
552	112	13.44	-3.42	-0.71	0.0	3.36e-03	-1.62e-03
552	125	-12.99	4.39	0.58	0.0	-3.12e-03	1.64e-03
552	145	0.02	0.24	-0.06	0.0	5.54e-06	8.11e-06
552	146	0.02	0.25	-0.07	0.0	4.71e-06	7.46e-06
552	149	0.01	0.23	-0.07	0.0	2.59e-06	5.13e-06
552	151	0.01	0.21	-0.06	0.0	4.23e-06	6.42e-06
552	154	0.01	0.20	-0.06	0.0	3.47e-06	5.59e-06
552	156	0.01	0.20	-0.06	0.0	3.79e-06	5.85e-06

553	3	0.03	0.48	-0.08	0.0	4.27e-06	1.24e-05
553	4	0.03	0.51	-0.09	0.0	3.20e-06	1.11e-05
553	11	0.02	0.47	-0.10	0.0	0.0	6.93e-06
553	16	12.88	-3.03	-0.63	0.0	2.77e-03	-1.48e-03
553	29	-11.68	4.03	0.48	0.0	-2.40e-03	1.46e-03
553	48	11.04	-2.66	-0.55	0.0	2.37e-03	-1.27e-03
553	61	-9.52	3.50	0.38	0.0	-1.92e-03	1.17e-03
553	80	9.61	-2.29	-0.48	0.0	2.06e-03	-1.11e-03
553	93	-8.26	3.09	0.32	0.0	-1.66e-03	1.01e-03
553	112	16.00	-3.79	-0.76	0.0	3.44e-03	-1.84e-03
553	125	-14.82	4.97	0.62	0.0	-3.06e-03	1.86e-03
553	145	0.02	0.33	-0.06	0.0	2.82e-06	8.38e-06
553	146	0.02	0.35	-0.07	0.0	2.11e-06	7.49e-06
553	149	0.01	0.33	-0.07	0.0	0.0	4.73e-06
553	151	0.02	0.29	-0.06	0.0	2.01e-06	6.51e-06
553	154	0.01	0.28	-0.06	0.0	1.45e-06	5.53e-06
553	156	0.01	0.27	-0.06	0.0	1.74e-06	5.88e-06
554	3	0.03	0.62	-0.08	0.0	0.0	1.17e-05
554	4	0.03	0.66	-0.09	0.0	0.0	1.00e-05
554	11	0.02	0.61	-0.10	0.0	-1.58e-06	5.54e-06
554	16	14.49	-3.31	-0.66	0.0	2.81e-03	-1.64e-03
554	29	-13.15	4.52	0.51	0.0	-2.45e-03	1.61e-03
554	48	12.41	-2.90	-0.58	0.0	2.41e-03	-1.40e-03
554	61	-10.70	3.93	0.41	0.0	-1.95e-03	1.29e-03
554	80	10.79	-2.49	-0.51	0.0	2.09e-03	-1.22e-03
554	93	-9.28	3.47	0.35	0.0	-1.69e-03	1.11e-03
554	112	18.00	-4.15	-0.80	0.0	3.50e-03	-2.04e-03
554	125	-16.68	5.56	0.66	0.0	-3.12e-03	2.05e-03
554	145	0.02	0.44	-0.06	0.0	0.0	7.82e-06
554	146	0.02	0.46	-0.07	0.0	0.0	6.72e-06
554	149	0.01	0.43	-0.07	0.0	-1.13e-06	3.74e-06
554	151	0.02	0.38	-0.06	0.0	0.0	5.93e-06
554	154	0.01	0.37	-0.06	0.0	0.0	4.86e-06
554	156	0.01	0.36	-0.06	0.0	0.0	5.30e-06
555	3	0.03	0.79	-0.08	-1.73e-04	-3.42e-06	9.60e-06
555	4	0.03	0.83	-0.09	-1.84e-04	-3.82e-06	7.78e-06
555	11	0.01	0.76	-0.10	-1.70e-04	-3.80e-06	3.38e-06
555	16	16.12	-3.56	-0.69	3.08e-04	2.86e-03	-1.75e-03
555	20	16.12	-3.67	-0.69	3.10e-04	2.74e-03	-1.63e-03
555	29	-14.64	5.00	0.54	-4.95e-04	-2.50e-03	1.71e-03
555	48	13.80	-3.11	-0.60	2.54e-04	2.45e-03	-1.50e-03
555	61	-11.91	4.35	0.43	-4.25e-04	-1.99e-03	1.37e-03
555	80	12.00	-2.67	-0.53	2.09e-04	2.13e-03	-1.30e-03
555	93	-10.33	3.86	0.37	-3.82e-04	-1.73e-03	1.18e-03
555	112	20.04	-4.48	-0.84	4.05e-04	3.56e-03	-2.17e-03
555	116	20.04	-4.61	-0.84	4.07e-04	3.41e-03	-2.04e-03
555	125	-18.59	6.13	0.70	-5.99e-04	-3.18e-03	2.18e-03
555	145	0.02	0.55	-0.06	-1.21e-04	-2.40e-06	6.37e-06
555	146	0.02	0.58	-0.07	-1.28e-04	-2.67e-06	5.15e-06
555	149	9.90e-03	0.54	-0.07	-1.19e-04	-2.66e-06	2.22e-06
555	151	0.02	0.48	-0.06	-1.05e-04	-2.12e-06	4.66e-06
555	154	0.01	0.46	-0.06	-1.02e-04	-2.13e-06	3.60e-06
555	156	0.01	0.45	-0.06	-9.92e-05	-2.02e-06	4.08e-06
556	3	0.02	0.11	-0.02	-1.79e-04	0.0	-3.09e-05
556	4	0.01	0.12	-0.02	-1.89e-04	0.0	-3.29e-05
556	9	3.52e-03	0.07	-0.03	-1.16e-04	0.0	-2.00e-05
556	15	7.84	-1.32	-0.71	2.68e-04	0.0	-7.70e-04
556	16	7.40	-2.19	-0.79	4.60e-04	0.0	-6.57e-04
556	29	-7.05	2.64	0.72	-7.36e-04	0.0	7.09e-04
556	47	6.77	-1.02	-0.59	2.02e-04	0.0	-6.69e-04
556	48	6.30	-1.94	-0.68	4.05e-04	0.0	-5.50e-04
556	61	-5.82	2.27	0.58	-6.54e-04	0.0	5.62e-04
556	79	5.90	-0.87	-0.52	1.61e-04	0.0	-5.85e-04
556	80	5.48	-1.68	-0.60	3.42e-04	0.0	-4.79e-04
556	109	-2.15	2.01	0.25	-5.66e-04	0.0	1.43e-05
556	111	9.72	-1.69	-0.88	3.64e-04	0.0	-9.49e-04
556	112	9.22	-2.70	-0.97	5.87e-04	0.0	-8.19e-04
556	125	-8.91	3.27	0.91	-8.92e-04	0.0	9.10e-04
556	145	0.01	0.08	-0.01	-1.25e-04	0.0	-2.16e-05
556	146	9.98e-03	0.08	-0.02	-1.32e-04	0.0	-2.29e-05
556	147	2.64e-03	0.05	-0.03	-8.32e-05	0.0	-1.43e-05
556	151	8.61e-03	0.07	-0.02	-1.09e-04	0.0	-1.86e-05
556	152	3.67e-03	0.04	-0.03	-7.22e-05	0.0	-1.22e-05
556	155	3.92e-03	0.04	-0.02	-6.94e-05	0.0	-1.17e-05
556	156	7.94e-03	0.06	-0.02	-1.03e-04	0.0	-1.76e-05

557	3	0.03	0.22	-8.88e-03	-2.01e-04	0.0	-4.56e-05
557	4	0.02	0.23	-0.01	-2.13e-04	0.0	-4.86e-05
557	9	4.35e-03	0.14	-0.03	-1.30e-04	0.0	-3.02e-05
557	15	9.21	-1.48	-0.76	2.78e-04	0.0	-1.01e-03
557	16	8.71	-2.46	-0.85	4.83e-04	0.0	-8.33e-04
557	29	-8.27	3.08	0.78	-7.92e-04	0.0	8.69e-04
557	47	7.93	-1.14	-0.64	2.10e-04	0.0	-8.81e-04
557	48	7.40	-2.17	-0.73	4.25e-04	0.0	-6.95e-04
557	61	-6.80	2.66	0.63	-7.06e-04	0.0	6.82e-04
557	79	6.91	-0.96	-0.56	1.66e-04	0.0	-7.72e-04
557	80	6.43	-1.88	-0.64	3.59e-04	0.0	-6.06e-04
557	109	-2.47	2.35	0.28	-6.13e-04	0.0	-2.78e-05
557	111	11.42	-1.91	-0.94	3.80e-04	0.0	-1.25e-03
557	112	10.86	-3.06	-1.05	6.18e-04	0.0	-1.04e-03
557	125	-10.48	3.82	0.99	-9.58e-04	0.0	1.12e-03
557	145	0.02	0.15	-9.74e-03	-1.41e-04	0.0	-3.19e-05
557	146	0.02	0.16	-0.01	-1.49e-04	0.0	-3.39e-05
557	147	3.32e-03	0.10	-0.03	-9.32e-05	0.0	-2.16e-05
557	151	0.01	0.13	-0.01	-1.22e-04	0.0	-2.76e-05
557	152	5.39e-03	0.09	-0.03	-8.08e-05	0.0	-1.84e-05
557	155	5.91e-03	0.08	-0.02	-7.77e-05	0.0	-1.76e-05
557	156	0.01	0.13	-0.02	-1.16e-04	0.0	-2.62e-05
558	3	0.03	0.34	-3.71e-03	-2.21e-04	0.0	-4.99e-05
558	4	0.03	0.36	-5.50e-03	-2.33e-04	0.0	-5.33e-05
558	9	3.74e-03	0.22	-0.03	-1.42e-04	0.0	-3.32e-05
558	15	10.64	-1.64	-0.80	2.82e-04	0.0	-1.23e-03
558	20	10.63	-2.82	-0.89	5.07e-04	0.0	-1.04e-03
558	29	-9.56	3.55	0.83	-8.18e-04	0.0	1.04e-03
558	47	9.15	-1.26	-0.67	2.11e-04	0.0	-1.07e-03
558	48	8.55	-2.42	-0.77	4.27e-04	0.0	-8.36e-04
558	61	-7.84	3.07	0.67	-7.29e-04	0.0	8.13e-04
558	79	7.97	-1.06	-0.59	1.66e-04	0.0	-9.40e-04
558	80	7.44	-2.09	-0.67	3.59e-04	0.0	-7.28e-04
558	93	-6.81	2.71	0.58	-6.55e-04	0.0	6.98e-04
558	111	13.21	-2.14	-1.00	3.87e-04	0.0	-1.52e-03
558	116	13.20	-3.51	-1.11	6.49e-04	0.0	-1.29e-03
558	125	-12.12	4.39	1.05	-9.88e-04	0.0	1.34e-03
558	145	0.02	0.24	-6.38e-03	-1.54e-04	0.0	-3.49e-05
558	146	0.02	0.25	-7.57e-03	-1.63e-04	0.0	-3.72e-05
558	147	2.95e-03	0.16	-0.03	-1.02e-04	0.0	-2.38e-05
558	151	0.02	0.21	-0.01	-1.34e-04	0.0	-3.02e-05
558	152	6.06e-03	0.14	-0.02	-8.83e-05	0.0	-2.02e-05
558	155	6.83e-03	0.13	-0.02	-8.49e-05	0.0	-1.93e-05
558	156	0.02	0.20	-0.01	-1.27e-04	0.0	-2.87e-05
559	3	0.04	0.48	9.02e-04	-2.39e-04	0.0	-4.75e-05
559	4	0.03	0.51	-1.15e-03	-2.52e-04	0.0	-5.08e-05
559	9	2.03e-03	0.31	-0.03	-1.52e-04	0.0	-3.17e-05
559	15	12.14	-1.81	-0.84	2.78e-04	0.0	-1.44e-03
559	20	12.13	-3.12	-0.93	4.99e-04	0.0	-1.23e-03
559	29	-10.92	4.03	0.87	-8.28e-04	0.0	1.24e-03
559	47	10.42	-1.39	-0.70	2.08e-04	0.0	-1.25e-03
559	52	10.41	-2.74	-0.80	4.37e-04	0.0	-1.03e-03
559	61	-8.93	3.50	0.71	-7.39e-04	0.0	9.71e-04
559	79	9.07	-1.15	-0.61	1.62e-04	0.0	-1.09e-03
559	84	9.06	-2.37	-0.70	3.67e-04	0.0	-8.99e-04
559	93	-7.75	3.09	0.61	-6.64e-04	0.0	8.35e-04
559	111	15.07	-2.37	-1.04	3.85e-04	0.0	-1.77e-03
559	116	15.06	-3.89	-1.15	6.42e-04	0.0	-1.53e-03
559	125	-13.84	4.97	1.10	-9.98e-04	0.0	1.59e-03
559	145	0.02	0.33	-3.38e-03	-1.67e-04	0.0	-3.32e-05
559	146	0.02	0.35	-4.75e-03	-1.76e-04	0.0	-3.54e-05
559	147	1.78e-03	0.22	-0.03	-1.09e-04	0.0	-2.27e-05
559	151	0.02	0.29	-9.60e-03	-1.44e-04	0.0	-2.87e-05
559	152	5.85e-03	0.19	-0.02	-9.50e-05	0.0	-1.91e-05
559	155	6.87e-03	0.18	-0.02	-9.14e-05	0.0	-1.83e-05
559	156	0.02	0.27	-0.01	-1.37e-04	0.0	-2.72e-05
560	3	0.04	0.62	5.77e-03	-2.48e-04	0.0	-3.95e-05
560	4	0.03	0.66	3.21e-03	-2.62e-04	0.0	-4.24e-05
560	9	-3.48e-04	0.40	-0.04	-1.57e-04	0.0	-2.64e-05
560	15	13.68	-1.98	-0.86	2.68e-04	0.0	-1.60e-03
560	20	13.67	-3.41	-0.96	4.65e-04	0.0	-1.36e-03
560	29	-12.32	4.52	0.90	-7.96e-04	0.0	1.38e-03
560	47	11.73	-1.50	-0.73	1.99e-04	0.0	-1.39e-03
560	52	11.72	-2.99	-0.83	4.05e-04	0.0	-1.14e-03
560	61	-10.06	3.93	0.73	-7.09e-04	0.0	1.09e-03

560	79	10.21	-1.25	-0.63	1.54e-04	0.0	-1.22e-03
560	84	10.20	-2.58	-0.72	3.38e-04	0.0	-9.91e-04
560	93	-8.73	3.47	0.63	-6.38e-04	0.0	9.36e-04
560	111	17.00	-2.60	-1.07	3.72e-04	0.0	-1.98e-03
560	116	16.99	-4.27	-1.19	6.02e-04	0.0	-1.70e-03
560	125	-15.62	5.56	1.14	-9.58e-04	0.0	1.78e-03
560	145	0.02	0.44	-2.45e-04	-1.74e-04	0.0	-2.76e-05
560	146	0.02	0.46	-1.95e-03	-1.83e-04	0.0	-2.95e-05
560	147	1.13e-04	0.29	-0.03	-1.12e-04	0.0	-1.89e-05
560	151	0.02	0.38	-7.41e-03	-1.50e-04	0.0	-2.38e-05
560	152	4.97e-03	0.25	-0.02	-9.78e-05	0.0	-1.58e-05
560	155	6.18e-03	0.24	-0.02	-9.42e-05	0.0	-1.51e-05
560	156	0.02	0.36	-9.80e-03	-1.42e-04	0.0	-2.26e-05
561	3	0.03	0.79	0.01	-1.74e-04	-3.47e-06	6.63e-06
561	4	0.03	0.83	7.30e-03	-1.85e-04	-3.96e-06	4.68e-06
561	9	-2.95e-03	0.50	-0.04	-1.14e-04	-3.16e-06	-4.42e-06
561	15	15.27	-2.12	-0.88	2.93e-04	2.83e-03	-1.75e-03
561	20	15.26	-3.67	-0.98	3.55e-04	2.71e-03	-1.62e-03
561	29	-13.76	5.00	0.92	-5.40e-04	-2.47e-03	1.70e-03
561	47	13.08	-1.61	-0.74	2.30e-04	2.43e-03	-1.50e-03
561	52	13.07	-3.22	-0.85	2.95e-04	2.29e-03	-1.37e-03
561	61	-11.22	4.35	0.75	-4.63e-04	-1.97e-03	1.36e-03
561	79	11.38	-1.32	-0.65	1.87e-04	2.11e-03	-1.31e-03
561	84	11.37	-2.76	-0.74	2.44e-04	1.99e-03	-1.19e-03
561	93	-9.74	3.86	0.65	-4.15e-04	-1.71e-03	1.17e-03
561	111	18.97	-2.81	-1.10	3.91e-04	3.52e-03	-2.17e-03
561	116	18.96	-4.61	-1.21	4.63e-04	3.38e-03	-2.03e-03
561	125	-17.46	6.13	1.17	-6.56e-04	-3.15e-03	2.17e-03
561	145	0.02	0.55	2.80e-03	-1.21e-04	-2.45e-06	4.29e-06
561	146	0.02	0.58	6.54e-04	-1.29e-04	-2.78e-06	2.99e-06
561	147	-1.73e-03	0.36	-0.03	-8.17e-05	-2.25e-06	-3.07e-06
561	151	0.02	0.48	-5.34e-03	-1.05e-04	-2.19e-06	2.86e-06
561	152	3.61e-03	0.31	-0.03	-6.99e-05	-1.73e-06	0.0
561	155	4.94e-03	0.30	-0.02	-6.69e-05	-1.60e-06	0.0
561	156	0.02	0.45	-8.06e-03	-9.96e-05	-2.11e-06	2.39e-06
562	3	0.02	0.12	-0.01	-1.96e-04	0.0	-3.03e-05
562	4	0.01	0.13	-0.01	-2.07e-04	0.0	-3.23e-05
562	9	3.51e-03	0.08	-0.04	-1.27e-04	0.0	-1.98e-05
562	15	7.84	-1.01	-0.06	1.41e-04	0.0	-7.73e-04
562	29	-7.05	2.34	0.10	-6.92e-04	0.0	7.13e-04
562	44	2.78	-2.11	-0.14	4.87e-04	0.0	-1.14e-04
562	47	6.77	-0.76	-0.05	9.32e-05	0.0	-6.71e-04
562	76	2.47	-2.08	-0.14	4.84e-04	0.0	-5.93e-05
562	77	-2.45	2.22	0.11	-7.09e-04	0.0	2.46e-05
562	79	5.90	-0.64	-0.05	6.54e-05	0.0	-5.87e-04
562	108	2.17	-1.84	-0.13	4.18e-04	0.0	-5.00e-05
562	109	-2.15	1.98	0.09	-6.43e-04	0.0	1.53e-05
562	111	9.72	-1.32	-0.07	2.08e-04	0.0	-9.53e-04
562	125	-8.91	2.90	0.13	-8.27e-04	0.0	9.15e-04
562	140	3.44	-2.53	-0.16	5.98e-04	0.0	-1.58e-04
562	145	0.01	0.09	-0.01	-1.37e-04	0.0	-2.12e-05
562	146	9.98e-03	0.09	-0.01	-1.45e-04	0.0	-2.25e-05
562	147	2.64e-03	0.06	-0.03	-9.09e-05	0.0	-1.42e-05
562	151	8.61e-03	0.07	-0.02	-1.19e-04	0.0	-1.83e-05
562	152	3.66e-03	0.05	-0.03	-7.87e-05	0.0	-1.21e-05
562	155	3.92e-03	0.05	-0.03	-7.57e-05	0.0	-1.16e-05
562	156	7.94e-03	0.07	-0.02	-1.13e-04	0.0	-1.73e-05
563	3	0.03	0.24	-0.01	-2.08e-04	0.0	-4.50e-05
563	4	0.02	0.25	-0.01	-2.20e-04	0.0	-4.80e-05
563	9	4.35e-03	0.16	-0.04	-1.34e-04	0.0	-2.97e-05
563	15	9.21	-1.08	-0.06	1.50e-04	0.0	-1.01e-03
563	29	-8.27	2.73	0.11	-7.05e-04	0.0	8.69e-04
563	44	3.23	-2.39	-0.15	4.68e-04	0.0	-9.88e-05
563	47	7.93	-0.80	-0.05	1.01e-04	0.0	-8.81e-04
563	76	2.85	-2.35	-0.15	4.64e-04	0.0	-3.09e-05
563	77	-2.82	2.62	0.12	-7.03e-04	0.0	-2.08e-05
563	79	6.91	-0.66	-0.05	7.15e-05	0.0	-7.71e-04
563	108	2.50	-2.07	-0.14	3.99e-04	0.0	-2.42e-05
563	109	-2.47	2.34	0.10	-6.38e-04	0.0	-2.74e-05
563	111	11.42	-1.43	-0.07	2.22e-04	0.0	-1.24e-03
563	125	-10.48	3.37	0.14	-8.42e-04	0.0	1.12e-03
563	140	4.00	-2.87	-0.18	5.78e-04	0.0	-1.44e-04
563	145	0.02	0.17	-0.01	-1.45e-04	0.0	-3.15e-05
563	146	0.02	0.18	-0.01	-1.53e-04	0.0	-3.34e-05
563	147	3.32e-03	0.11	-0.03	-9.62e-05	0.0	-2.13e-05

563	151	0.01	0.14	-0.02	-1.26e-04	0.0	-2.72e-05
563	152	5.39e-03	0.10	-0.03	-8.34e-05	0.0	-1.81e-05
563	155	5.91e-03	0.09	-0.03	-8.01e-05	0.0	-1.73e-05
563	156	0.01	0.14	-0.02	-1.19e-04	0.0	-2.58e-05
564	3	0.03	0.36	-0.01	-2.22e-04	0.0	-4.98e-05
564	4	0.03	0.38	-0.01	-2.35e-04	0.0	-5.31e-05
564	9	3.74e-03	0.24	-0.04	-1.43e-04	0.0	-3.30e-05
564	15	10.64	-1.16	-0.06	1.62e-04	0.0	-1.23e-03
564	29	-9.56	3.13	0.11	-7.17e-04	0.0	1.04e-03
564	44	3.71	-2.65	-0.16	4.43e-04	0.0	-1.03e-04
564	47	9.15	-0.85	-0.06	1.11e-04	0.0	-1.07e-03
564	76	3.25	-2.60	-0.16	4.37e-04	0.0	-2.18e-05
564	77	-3.22	3.02	0.13	-6.91e-04	0.0	-3.53e-05
564	79	7.97	-0.69	-0.05	7.88e-05	0.0	-9.40e-04
564	108	2.85	-2.29	-0.15	3.74e-04	0.0	-1.50e-05
564	109	-2.82	2.70	0.11	-6.28e-04	0.0	-4.21e-05
564	111	13.21	-1.55	-0.07	2.38e-04	0.0	-1.52e-03
564	125	-12.12	3.85	0.14	-8.57e-04	0.0	1.34e-03
564	140	4.59	-3.19	-0.19	5.50e-04	0.0	-1.55e-04
564	145	0.02	0.25	-0.01	-1.55e-04	0.0	-3.48e-05
564	146	0.02	0.27	-0.01	-1.64e-04	0.0	-3.70e-05
564	147	2.95e-03	0.17	-0.03	-1.02e-04	0.0	-2.36e-05
564	151	0.02	0.22	-0.02	-1.34e-04	0.0	-3.01e-05
564	152	6.06e-03	0.15	-0.03	-8.88e-05	0.0	-2.01e-05
564	155	6.83e-03	0.14	-0.03	-8.54e-05	0.0	-1.92e-05
564	156	0.02	0.21	-0.02	-1.27e-04	0.0	-2.86e-05
565	3	0.04	0.50	-0.01	-2.37e-04	0.0	-4.70e-05
565	4	0.03	0.53	-0.01	-2.51e-04	0.0	-5.03e-05
565	9	2.03e-03	0.32	-0.04	-1.52e-04	0.0	-3.14e-05
565	15	12.14	-1.25	-0.06	1.71e-04	0.0	-1.43e-03
565	29	-10.92	3.54	0.12	-7.20e-04	0.0	1.23e-03
565	44	4.20	-2.89	-0.17	4.05e-04	0.0	-1.42e-04
565	47	10.42	-0.90	-0.06	1.18e-04	0.0	-1.25e-03
565	76	3.67	-2.84	-0.17	3.97e-04	0.0	-4.82e-05
565	77	-3.64	3.41	0.14	-6.69e-04	0.0	-5.69e-06
565	79	9.07	-0.73	-0.05	8.38e-05	0.0	-1.09e-03
565	108	3.22	-2.49	-0.16	3.38e-04	0.0	-3.72e-05
565	109	-3.18	3.06	0.12	-6.10e-04	0.0	-1.67e-05
565	111	15.07	-1.68	-0.07	2.51e-04	0.0	-1.77e-03
565	125	-13.84	4.34	0.15	-8.60e-04	0.0	1.58e-03
565	140	5.21	-3.49	-0.20	5.07e-04	0.0	-2.07e-04
565	145	0.02	0.35	-0.01	-1.66e-04	0.0	-3.29e-05
565	146	0.02	0.37	-0.01	-1.75e-04	0.0	-3.50e-05
565	147	1.78e-03	0.23	-0.03	-1.09e-04	0.0	-2.24e-05
565	151	0.02	0.30	-0.02	-1.43e-04	0.0	-2.84e-05
565	152	5.85e-03	0.20	-0.03	-9.45e-05	0.0	-1.90e-05
565	155	6.87e-03	0.19	-0.03	-9.09e-05	0.0	-1.81e-05
565	156	0.02	0.29	-0.02	-1.36e-04	0.0	-2.69e-05
566	3	0.04	0.64	-9.92e-03	-2.52e-04	0.0	-3.73e-05
566	4	0.03	0.68	-0.01	-2.66e-04	0.0	-4.02e-05
566	9	-3.51e-04	0.41	-0.04	-1.60e-04	0.0	-2.58e-05
566	15	13.68	-1.35	-0.06	1.73e-04	0.0	-1.60e-03
566	29	-12.32	3.96	0.13	-7.08e-04	0.0	1.41e-03
566	44	4.71	-3.11	-0.18	3.53e-04	0.0	-1.82e-04
566	47	11.73	-0.97	-0.06	1.19e-04	0.0	-1.39e-03
566	76	4.11	-3.05	-0.18	3.44e-04	0.0	-7.69e-05
566	77	-4.08	3.79	0.14	-6.33e-04	0.0	3.39e-05
566	79	10.21	-0.78	-0.05	8.39e-05	0.0	-1.22e-03
566	108	3.60	-2.67	-0.16	2.90e-04	0.0	-6.11e-05
566	109	-3.56	3.40	0.13	-5.78e-04	0.0	1.82e-05
566	111	17.00	-1.82	-0.08	2.54e-04	0.0	-1.98e-03
566	125	-15.62	4.83	0.16	-8.44e-04	0.0	1.81e-03
566	140	5.84	-3.77	-0.21	4.48e-04	0.0	-2.61e-04
566	145	0.02	0.45	-0.01	-1.76e-04	0.0	-2.61e-05
566	146	0.02	0.47	-0.01	-1.86e-04	0.0	-2.80e-05
566	147	1.12e-04	0.30	-0.03	-1.15e-04	0.0	-1.84e-05
566	151	0.02	0.39	-0.02	-1.52e-04	0.0	-2.26e-05
566	152	4.97e-03	0.26	-0.03	-9.98e-05	0.0	-1.54e-05
566	155	6.18e-03	0.25	-0.03	-9.60e-05	0.0	-1.46e-05
566	156	0.02	0.37	-0.02	-1.44e-04	0.0	-2.15e-05
567	3	0.03	0.79	-8.95e-03	-2.54e-04	0.0	-9.13e-06
567	4	0.03	0.84	-0.01	-2.67e-04	0.0	-1.17e-05
567	9	-2.93e-03	0.51	-0.04	-1.60e-04	0.0	-1.33e-05
567	15	15.27	-1.44	-0.07	1.75e-04	0.0	-1.73e-03
567	29	-13.76	4.35	0.13	-7.22e-04	0.0	1.61e-03

567	44	5.24	-3.29	-0.19	3.72e-04	0.0	-2.77e-04
567	47	13.08	-1.03	-0.06	1.22e-04	0.0	-1.49e-03
567	76	4.56	-3.22	-0.19	3.65e-04	0.0	-1.63e-04
567	77	-4.53	4.13	0.15	-6.55e-04	0.0	1.50e-04
567	79	11.38	-0.82	-0.05	8.64e-05	0.0	-1.30e-03
567	108	3.99	-2.81	-0.17	3.08e-04	0.0	-1.35e-04
567	109	-3.96	3.72	0.13	-5.98e-04	0.0	1.22e-04
567	111	18.97	-1.96	-0.08	2.56e-04	0.0	-2.14e-03
567	125	-17.46	5.31	0.16	-8.60e-04	0.0	2.05e-03
567	140	6.50	-4.00	-0.22	4.70e-04	0.0	-3.80e-04
567	145	0.02	0.55	-0.01	-1.77e-04	0.0	-6.68e-06
567	146	0.02	0.58	-0.01	-1.87e-04	0.0	-8.39e-06
567	147	-1.72e-03	0.37	-0.03	-1.15e-04	0.0	-9.48e-06
567	151	0.02	0.48	-0.02	-1.53e-04	0.0	-6.49e-06
567	152	3.62e-03	0.32	-0.03	-1.00e-04	0.0	-6.74e-06
567	155	4.95e-03	0.30	-0.03	-9.63e-05	0.0	-6.06e-06
567	156	0.02	0.45	-0.02	-1.45e-04	0.0	-6.43e-06
568	3	0.02	0.13	-0.01	-2.09e-04	0.0	-2.93e-05
568	4	0.01	0.14	-0.02	-2.21e-04	0.0	-3.11e-05
568	9	3.50e-03	0.09	-0.04	-1.35e-04	0.0	-1.91e-05
568	15	7.84	-0.71	0.58	-6.26e-06	0.0	-7.74e-04
568	22	-7.38	0.83	-0.63	-2.23e-04	0.0	7.25e-04
568	45	-2.77	2.20	-0.07	-7.57e-04	0.0	8.04e-05
568	47	6.77	-0.50	0.50	-2.87e-05	0.0	-6.72e-04
568	54	-6.28	0.62	-0.54	-2.03e-04	0.0	6.23e-04
568	77	-2.45	2.18	-0.04	-7.67e-04	0.0	2.58e-05
568	79	5.90	-0.42	0.43	-4.09e-05	0.0	-5.88e-04
568	86	-5.46	0.54	-0.48	-1.92e-04	0.0	5.41e-04
568	109	-2.15	1.95	-0.03	-6.96e-04	0.0	1.65e-05
568	111	9.72	-0.94	0.73	2.58e-05	0.0	-9.55e-04
568	118	-9.20	1.05	-0.78	-2.53e-04	0.0	9.02e-04
568	141	-3.43	2.59	-0.09	-8.70e-04	0.0	1.24e-04
568	145	0.01	0.09	-0.01	-1.46e-04	0.0	-2.05e-05
568	146	9.96e-03	0.10	-0.01	-1.55e-04	0.0	-2.17e-05
568	147	2.63e-03	0.06	-0.03	-9.72e-05	0.0	-1.37e-05
568	151	8.59e-03	0.08	-0.02	-1.27e-04	0.0	-1.77e-05
568	152	3.65e-03	0.05	-0.03	-8.41e-05	0.0	-1.17e-05
568	155	3.91e-03	0.05	-0.03	-8.08e-05	0.0	-1.12e-05
568	156	7.92e-03	0.08	-0.02	-1.20e-04	0.0	-1.68e-05
569	3	0.03	0.26	-0.02	-2.15e-04	0.0	-4.44e-05
569	4	0.02	0.27	-0.02	-2.27e-04	0.0	-4.73e-05
569	9	4.35e-03	0.17	-0.04	-1.39e-04	0.0	-2.92e-05
569	15	9.21	-0.69	0.64	5.78e-06	0.0	-1.01e-03
569	22	-8.69	0.94	-0.69	-2.41e-04	0.0	9.34e-04
569	45	-3.21	2.62	-0.08	-7.27e-04	0.0	4.90e-05
569	47	7.93	-0.46	0.55	-1.83e-05	0.0	-8.80e-04
569	54	-7.38	0.71	-0.60	-2.18e-04	0.0	8.05e-04
569	77	-2.82	2.61	-0.04	-7.35e-04	0.0	-1.90e-05
569	79	6.91	-0.37	0.48	-3.23e-05	0.0	-7.71e-04
569	86	-6.41	0.63	-0.52	-2.06e-04	0.0	6.98e-04
569	109	-2.47	2.34	-0.03	-6.68e-04	0.0	-2.58e-05
569	111	11.42	-0.94	0.80	4.12e-05	0.0	-1.24e-03
569	118	-10.84	1.18	-0.85	-2.74e-04	0.0	1.16e-03
569	141	-3.98	3.08	-0.10	-8.35e-04	0.0	9.45e-05
569	145	0.02	0.18	-0.01	-1.50e-04	0.0	-3.10e-05
569	146	0.02	0.19	-0.02	-1.58e-04	0.0	-3.30e-05
569	147	3.32e-03	0.12	-0.03	-9.95e-05	0.0	-2.09e-05
569	151	0.01	0.16	-0.02	-1.30e-04	0.0	-2.68e-05
569	152	5.39e-03	0.10	-0.03	-8.61e-05	0.0	-1.78e-05
569	155	5.90e-03	0.10	-0.03	-8.28e-05	0.0	-1.71e-05
569	156	0.01	0.15	-0.02	-1.23e-04	0.0	-2.54e-05
570	3	0.03	0.38	-0.02	-2.23e-04	0.0	-4.96e-05
570	4	0.03	0.41	-0.02	-2.35e-04	0.0	-5.29e-05
570	9	3.73e-03	0.25	-0.04	-1.43e-04	0.0	-3.28e-05
570	15	10.64	-0.68	0.70	2.40e-05	0.0	-1.23e-03
570	22	-10.07	1.07	-0.75	-2.68e-04	0.0	1.14e-03
570	45	-3.67	3.03	-0.08	-6.85e-04	0.0	4.93e-05
570	47	9.15	-0.43	0.59	-3.20e-06	0.0	-1.07e-03
570	54	-8.53	0.83	-0.65	-2.42e-04	0.0	9.85e-04
570	77	-3.22	3.02	-0.04	-6.89e-04	0.0	-3.22e-05
570	79	7.97	-0.33	0.51	-1.97e-05	0.0	-9.40e-04
570	86	-7.41	0.73	-0.57	-2.27e-04	0.0	8.54e-04
570	109	-2.82	2.71	-0.03	-6.28e-04	0.0	-3.93e-05
570	111	13.21	-0.95	0.87	6.47e-05	0.0	-1.52e-03
570	118	-12.56	1.33	-0.92	-3.06e-04	0.0	1.42e-03

570	141	-4.56	3.55	-0.11	-7.85e-04	0.0	1.02e-04
570	145	0.02	0.27	-0.02	-1.56e-04	0.0	-3.47e-05
570	146	0.02	0.28	-0.02	-1.64e-04	0.0	-3.69e-05
570	147	2.95e-03	0.18	-0.03	-1.03e-04	0.0	-2.35e-05
570	151	0.02	0.23	-0.02	-1.35e-04	0.0	-3.00e-05
570	152	6.05e-03	0.15	-0.03	-8.92e-05	0.0	-1.99e-05
570	155	6.83e-03	0.15	-0.03	-8.57e-05	0.0	-1.91e-05
570	156	0.02	0.22	-0.02	-1.28e-04	0.0	-2.84e-05
571	3	0.04	0.52	-0.02	-2.32e-04	0.0	-4.65e-05
571	4	0.03	0.55	-0.02	-2.46e-04	0.0	-4.98e-05
571	9	2.02e-03	0.33	-0.04	-1.49e-04	0.0	-3.11e-05
571	15	12.14	-0.69	0.74	4.68e-05	0.0	-1.43e-03
571	22	-11.50	1.23	-0.80	-3.02e-04	0.0	1.34e-03
571	45	-4.16	3.41	-0.08	-6.39e-04	0.0	9.01e-05
571	47	10.42	-0.42	0.63	1.52e-05	0.0	-1.25e-03
571	54	-9.73	0.96	-0.69	-2.71e-04	0.0	1.16e-03
571	77	-3.64	3.40	-0.04	-6.40e-04	0.0	-4.16e-06
571	79	9.07	-0.31	0.55	-4.54e-06	0.0	-1.09e-03
571	86	-8.45	0.86	-0.60	-2.53e-04	0.0	1.00e-03
571	109	-3.18	3.05	-0.03	-5.84e-04	0.0	-1.53e-05
571	111	15.07	-0.99	0.93	9.43e-05	0.0	-1.77e-03
571	118	-14.35	1.51	-0.98	-3.47e-04	0.0	1.67e-03
571	141	-5.17	3.99	-0.12	-7.31e-04	0.0	1.55e-04
571	145	0.02	0.36	-0.02	-1.63e-04	0.0	-3.25e-05
571	146	0.02	0.38	-0.02	-1.72e-04	0.0	-3.47e-05
571	147	1.77e-03	0.24	-0.03	-1.07e-04	0.0	-2.22e-05
571	151	0.02	0.31	-0.02	-1.41e-04	0.0	-2.81e-05
571	152	5.85e-03	0.21	-0.03	-9.29e-05	0.0	-1.88e-05
571	155	6.86e-03	0.20	-0.03	-8.93e-05	0.0	-1.79e-05
571	156	0.02	0.30	-0.02	-1.33e-04	0.0	-2.67e-05
572	3	0.04	0.65	-0.02	-2.43e-04	0.0	-3.52e-05
572	4	0.03	0.69	-0.02	-2.57e-04	0.0	-3.81e-05
572	9	-3.52e-04	0.42	-0.05	-1.56e-04	0.0	-2.52e-05
572	15	13.68	-0.72	0.78	7.45e-05	0.0	-1.60e-03
572	22	-12.98	1.41	-0.84	-3.42e-04	0.0	1.52e-03
572	45	-4.67	3.76	-0.09	-6.03e-04	0.0	1.48e-04
572	47	11.73	-0.43	0.67	3.67e-05	0.0	-1.39e-03
572	54	-10.98	1.13	-0.72	-3.05e-04	0.0	1.31e-03
572	77	-4.08	3.75	-0.04	-6.01e-04	0.0	4.30e-05
572	79	10.21	-0.31	0.58	1.31e-05	0.0	-1.21e-03
572	86	-9.53	1.01	-0.63	-2.83e-04	0.0	1.13e-03
572	109	-3.56	3.37	-0.04	-5.50e-04	0.0	2.63e-05
572	111	17.00	-1.05	0.98	1.31e-04	0.0	-1.98e-03
572	118	-16.20	1.72	-1.03	-3.95e-04	0.0	1.89e-03
572	141	-5.81	4.39	-0.12	-6.89e-04	0.0	2.28e-04
572	145	0.02	0.46	-0.02	-1.70e-04	0.0	-2.47e-05
572	146	0.02	0.48	-0.02	-1.79e-04	0.0	-2.66e-05
572	147	1.10e-04	0.30	-0.04	-1.12e-04	0.0	-1.80e-05
572	151	0.02	0.40	-0.02	-1.47e-04	0.0	-2.15e-05
572	152	4.96e-03	0.26	-0.03	-9.70e-05	0.0	-1.49e-05
572	155	6.18e-03	0.25	-0.03	-9.33e-05	0.0	-1.41e-05
572	156	0.02	0.38	-0.02	-1.39e-04	0.0	-2.04e-05
573	3	0.03	0.80	-0.02	-2.54e-04	0.0	-1.41e-05
573	4	0.03	0.85	-0.02	-2.68e-04	0.0	-1.69e-05
573	9	-2.92e-03	0.52	-0.05	-1.62e-04	0.0	-1.62e-05
573	15	15.27	-0.78	0.82	1.10e-04	0.0	-1.72e-03
573	22	-14.51	1.62	-0.87	-3.91e-04	0.0	1.65e-03
573	45	-5.20	4.10	-0.09	-5.78e-04	0.0	2.06e-04
573	47	13.08	-0.46	0.70	6.38e-05	0.0	-1.49e-03
573	54	-12.26	1.31	-0.75	-3.45e-04	0.0	1.42e-03
573	77	-4.53	4.08	-0.04	-5.73e-04	0.0	9.26e-05
573	79	11.38	-0.33	0.60	3.55e-05	0.0	-1.30e-03
573	86	-10.65	1.19	-0.66	-3.18e-04	0.0	1.24e-03
573	109	-3.96	3.68	-0.04	-5.25e-04	0.0	7.10e-05
573	111	18.97	-1.14	1.02	1.77e-04	0.0	-2.13e-03
573	118	-18.11	1.97	-1.08	-4.55e-04	0.0	2.05e-03
573	141	-6.47	4.78	-0.13	-6.60e-04	0.0	2.98e-04
573	145	0.02	0.56	-0.02	-1.77e-04	0.0	-1.01e-05
573	146	0.02	0.59	-0.02	-1.87e-04	0.0	-1.20e-05
573	147	-1.71e-03	0.37	-0.04	-1.16e-04	0.0	-1.15e-05
573	151	0.02	0.48	-0.02	-1.53e-04	0.0	-9.42e-06
573	152	3.62e-03	0.32	-0.03	-1.01e-04	0.0	-8.53e-06
573	155	4.95e-03	0.31	-0.03	-9.72e-05	0.0	-7.79e-06
573	156	0.02	0.46	-0.02	-1.45e-04	0.0	-9.19e-06
574	3	0.02	0.14	-0.01	-2.20e-04	0.0	-2.89e-05

574	4	0.01	0.15	-0.01	-2.33e-04	0.0	-3.08e-05
574	9	3.49e-03	0.09	-0.04	-1.43e-04	0.0	-1.89e-05
574	15	7.84	-0.41	1.39	-1.02e-04	0.0	-7.75e-04
574	22	-7.38	0.55	-1.44	-1.44e-04	0.0	7.26e-04
574	45	-2.77	2.14	-0.24	-8.03e-04	0.0	8.13e-05
574	47	6.77	-0.24	1.19	-1.05e-04	0.0	-6.73e-04
574	54	-6.28	0.38	-1.23	-1.43e-04	0.0	6.24e-04
574	77	-2.45	2.14	-0.16	-8.23e-04	0.0	2.66e-05
574	79	5.90	-0.19	1.03	-1.07e-04	0.0	-5.88e-04
574	86	-5.46	0.33	-1.07	-1.42e-04	0.0	5.41e-04
574	109	-2.15	1.92	-0.13	-7.48e-04	0.0	1.72e-05
574	111	9.72	-0.57	1.73	-9.52e-05	0.0	-9.56e-04
574	118	-9.20	0.70	-1.78	-1.49e-04	0.0	9.04e-04
574	141	-3.43	2.52	-0.32	-9.18e-04	0.0	1.25e-04
574	145	0.01	0.10	-0.01	-1.54e-04	0.0	-2.02e-05
574	146	9.94e-03	0.11	-0.01	-1.63e-04	0.0	-2.15e-05
574	147	2.62e-03	0.07	-0.03	-1.02e-04	0.0	-1.36e-05
574	151	8.58e-03	0.09	-0.02	-1.33e-04	0.0	-1.75e-05
574	152	3.64e-03	0.06	-0.03	-8.85e-05	0.0	-1.16e-05
574	155	3.90e-03	0.06	-0.03	-8.50e-05	0.0	-1.11e-05
574	156	7.91e-03	0.08	-0.02	-1.26e-04	0.0	-1.66e-05
575	3	0.03	0.27	-0.01	-2.20e-04	0.0	-4.42e-05
575	4	0.02	0.29	-0.02	-2.33e-04	0.0	-4.71e-05
575	9	4.35e-03	0.18	-0.04	-1.43e-04	0.0	-2.91e-05
575	15	9.21	-0.30	1.50	-9.11e-05	0.0	-1.01e-03
575	22	-8.69	0.58	-1.55	-1.55e-04	0.0	9.34e-04
575	45	-3.21	2.59	-0.26	-7.48e-04	0.0	4.97e-05
575	47	7.93	-0.12	1.28	-9.45e-05	0.0	-8.80e-04
575	54	-7.38	0.41	-1.33	-1.53e-04	0.0	8.05e-04
575	77	-2.82	2.60	-0.17	-7.66e-04	0.0	-1.83e-05
575	79	6.91	-0.07	1.11	-9.81e-05	0.0	-7.70e-04
575	86	-6.41	0.36	-1.16	-1.50e-04	0.0	6.98e-04
575	109	-2.47	2.33	-0.14	-6.97e-04	0.0	-2.52e-05
575	111	11.42	-0.45	1.87	-8.15e-05	0.0	-1.24e-03
575	118	-10.84	0.73	-1.92	-1.63e-04	0.0	1.16e-03
575	141	-3.98	3.03	-0.34	-8.55e-04	0.0	9.53e-05
575	145	0.02	0.19	-0.01	-1.54e-04	0.0	-3.09e-05
575	146	0.02	0.20	-0.02	-1.63e-04	0.0	-3.28e-05
575	147	3.32e-03	0.13	-0.03	-1.02e-04	0.0	-2.08e-05
575	151	0.01	0.17	-0.02	-1.33e-04	0.0	-2.67e-05
575	152	5.39e-03	0.11	-0.03	-8.85e-05	0.0	-1.77e-05
575	155	5.90e-03	0.11	-0.03	-8.50e-05	0.0	-1.70e-05
575	156	0.01	0.16	-0.02	-1.27e-04	0.0	-2.53e-05
576	3	0.03	0.40	-0.02	-2.23e-04	0.0	-4.95e-05
576	4	0.03	0.43	-0.02	-2.36e-04	0.0	-5.28e-05
576	9	3.73e-03	0.26	-0.04	-1.44e-04	0.0	-3.27e-05
576	15	10.64	-0.21	1.60	-7.32e-05	0.0	-1.23e-03
576	22	-10.07	0.63	-1.65	-1.75e-04	0.0	1.14e-03
576	45	-3.67	3.00	-0.27	-6.78e-04	0.0	5.04e-05
576	47	9.15	-0.03	1.36	-7.96e-05	0.0	-1.07e-03
576	54	-8.53	0.46	-1.42	-1.70e-04	0.0	9.85e-04
576	77	-3.22	3.02	-0.18	-6.91e-04	0.0	-3.11e-05
576	79	7.97	0.02	1.18	-8.54e-05	0.0	-9.40e-04
576	86	-7.41	0.41	-1.23	-1.66e-04	0.0	8.54e-04
576	109	-2.82	2.71	-0.15	-6.30e-04	0.0	-3.83e-05
576	111	13.21	-0.36	1.99	-5.88e-05	0.0	-1.52e-03
576	118	-12.56	0.78	-2.04	-1.88e-04	0.0	1.42e-03
576	141	-4.56	3.49	-0.36	-7.73e-04	0.0	1.03e-04
576	145	0.02	0.28	-0.02	-1.56e-04	0.0	-3.46e-05
576	146	0.02	0.30	-0.02	-1.65e-04	0.0	-3.68e-05
576	147	2.94e-03	0.19	-0.03	-1.03e-04	0.0	-2.34e-05
576	151	0.02	0.24	-0.02	-1.35e-04	0.0	-2.99e-05
576	152	6.05e-03	0.16	-0.03	-8.95e-05	0.0	-1.99e-05
576	155	6.83e-03	0.16	-0.03	-8.60e-05	0.0	-1.90e-05
576	156	0.02	0.23	-0.02	-1.28e-04	0.0	-2.84e-05
577	3	0.04	0.53	-0.02	-2.28e-04	0.0	-4.64e-05
577	4	0.03	0.57	-0.02	-2.42e-04	0.0	-4.96e-05
577	9	2.02e-03	0.35	-0.05	-1.47e-04	0.0	-3.10e-05
577	15	12.14	-0.14	1.68	-4.58e-05	0.0	-1.43e-03
577	22	-11.50	0.72	-1.74	-2.08e-04	0.0	1.34e-03
577	45	-4.16	3.36	-0.28	-6.12e-04	0.0	9.12e-05
577	47	10.42	0.04	1.44	-5.88e-05	0.0	-1.25e-03
577	54	-9.73	0.54	-1.49	-1.96e-04	0.0	1.16e-03
577	77	-3.64	3.38	-0.19	-6.21e-04	0.0	-3.13e-06
577	79	9.07	0.09	1.25	-6.79e-05	0.0	-1.09e-03

577	86	-8.45	0.49	-1.30	-1.88e-04	0.0	1.00e-03
577	109	-3.18	3.05	-0.16	-5.68e-04	0.0	-1.44e-05
577	111	15.07	-0.31	2.09	-2.33e-05	0.0	-1.77e-03
577	118	-14.35	0.87	-2.15	-2.29e-04	0.0	1.67e-03
577	141	-5.17	3.91	-0.38	-6.96e-04	0.0	1.57e-04
577	145	0.02	0.37	-0.02	-1.60e-04	0.0	-3.24e-05
577	146	0.02	0.39	-0.02	-1.69e-04	0.0	-3.45e-05
577	147	1.77e-03	0.25	-0.04	-1.06e-04	0.0	-2.21e-05
577	151	0.02	0.32	-0.02	-1.38e-04	0.0	-2.80e-05
577	152	5.85e-03	0.21	-0.03	-9.15e-05	0.0	-1.87e-05
577	155	6.86e-03	0.21	-0.03	-8.80e-05	0.0	-1.79e-05
577	156	0.02	0.31	-0.02	-1.31e-04	0.0	-2.66e-05
578	3	0.04	0.67	-0.02	-2.35e-04	0.0	-3.48e-05
578	4	0.03	0.71	-0.02	-2.49e-04	0.0	-3.77e-05
578	9	-3.53e-04	0.43	-0.05	-1.52e-04	0.0	-2.50e-05
578	15	13.68	-0.11	1.75	-2.42e-06	0.0	-1.60e-03
578	22	-12.98	0.84	-1.81	-2.59e-04	0.0	1.52e-03
578	45	-4.67	3.69	-0.30	-5.77e-04	0.0	1.48e-04
578	47	11.73	0.08	1.50	-2.70e-05	0.0	-1.39e-03
578	54	-10.98	0.65	-1.56	-2.36e-04	0.0	1.31e-03
578	77	-4.08	3.72	-0.19	-5.81e-04	0.0	4.32e-05
578	79	10.21	0.14	1.30	-4.15e-05	0.0	-1.21e-03
578	86	-9.53	0.60	-1.36	-2.22e-04	0.0	1.13e-03
578	109	-3.56	3.35	-0.17	-5.32e-04	0.0	2.66e-05
578	111	17.00	-0.29	2.19	3.33e-05	0.0	-1.98e-03
578	118	-16.20	1.00	-2.25	-2.93e-04	0.0	1.89e-03
578	141	-5.81	4.28	-0.39	-6.56e-04	0.0	2.28e-04
578	145	0.02	0.47	-0.02	-1.65e-04	0.0	-2.44e-05
578	146	0.02	0.49	-0.02	-1.74e-04	0.0	-2.63e-05
578	147	1.10e-04	0.31	-0.04	-1.09e-04	0.0	-1.79e-05
578	151	0.02	0.40	-0.02	-1.43e-04	0.0	-2.13e-05
578	152	4.96e-03	0.27	-0.03	-9.45e-05	0.0	-1.48e-05
578	155	6.18e-03	0.26	-0.03	-9.09e-05	0.0	-1.40e-05
578	156	0.02	0.38	-0.02	-1.35e-04	0.0	-2.02e-05
579	3	0.03	0.81	-0.02	-2.46e-04	0.0	-1.49e-05
579	4	0.03	0.85	-0.02	-2.61e-04	0.0	-1.77e-05
579	9	-2.92e-03	0.52	-0.05	-1.59e-04	0.0	-1.67e-05
579	15	15.27	-0.13	1.82	5.86e-05	0.0	-1.71e-03
579	22	-14.51	1.00	-1.88	-3.31e-04	0.0	1.65e-03
579	45	-5.20	4.01	-0.31	-5.87e-04	0.0	1.94e-04
579	47	13.08	0.09	1.55	1.90e-05	0.0	-1.48e-03
579	54	-12.26	0.79	-1.61	-2.93e-04	0.0	1.42e-03
579	77	-4.53	4.04	-0.20	-5.86e-04	0.0	8.11e-05
579	79	11.38	0.15	1.35	-3.03e-06	0.0	-1.29e-03
579	86	-10.65	0.73	-1.41	-2.72e-04	0.0	1.23e-03
579	109	-3.96	3.64	-0.17	-5.37e-04	0.0	6.07e-05
579	111	18.97	-0.33	2.26	1.12e-04	0.0	-2.12e-03
579	118	-18.11	1.19	-2.33	-3.83e-04	0.0	2.05e-03
579	141	-6.47	4.65	-0.41	-6.70e-04	0.0	2.84e-04
579	145	0.02	0.56	-0.02	-1.72e-04	0.0	-1.07e-05
579	146	0.02	0.60	-0.02	-1.82e-04	0.0	-1.26e-05
579	147	-1.71e-03	0.38	-0.04	-1.14e-04	0.0	-1.19e-05
579	151	0.02	0.49	-0.02	-1.49e-04	0.0	-9.91e-06
579	152	3.62e-03	0.32	-0.03	-9.90e-05	0.0	-8.84e-06
579	155	4.96e-03	0.31	-0.03	-9.51e-05	0.0	-8.08e-06
579	156	0.02	0.46	-0.03	-1.41e-04	0.0	-9.65e-06
580	3	-0.02	0.14	-0.01	-2.21e-04	0.0	2.80e-05
580	4	-0.01	0.15	-0.01	-2.34e-04	0.0	2.98e-05
580	9	-3.44e-03	0.09	-0.04	-1.43e-04	0.0	1.83e-05
580	16	7.38	0.54	-1.44	-1.44e-04	0.0	-7.25e-04
580	18	-7.84	-1.41	1.31	2.51e-04	0.0	6.76e-04
580	35	2.77	2.14	-0.24	-8.02e-04	0.0	-7.98e-05
580	48	6.28	0.38	-1.23	-1.44e-04	0.0	-6.24e-04
580	50	-6.77	-1.28	1.10	2.63e-04	0.0	5.68e-04
580	67	2.46	2.15	-0.16	-8.22e-04	0.0	-2.52e-05
580	80	5.46	0.33	-1.07	-1.42e-04	0.0	-5.41e-04
580	82	-5.90	-1.12	0.95	2.21e-04	0.0	4.95e-04
580	99	2.15	1.92	-0.13	-7.47e-04	0.0	-1.60e-05
580	112	9.20	0.70	-1.78	-1.49e-04	0.0	-9.03e-04
580	114	-9.72	-1.73	1.64	3.16e-04	0.0	8.43e-04
580	131	3.43	2.52	-0.32	-9.17e-04	0.0	-1.23e-04
580	145	-0.01	0.10	-0.01	-1.54e-04	0.0	1.95e-05
580	146	-9.88e-03	0.11	-0.01	-1.63e-04	0.0	2.07e-05
580	147	-2.58e-03	0.07	-0.03	-1.03e-04	0.0	1.31e-05
580	151	-8.53e-03	0.09	-0.02	-1.34e-04	0.0	1.69e-05

580	152	-3.61e-03	0.06	-0.03	-8.86e-05	0.0	1.12e-05
580	155	-3.86e-03	0.06	-0.03	-8.51e-05	0.0	1.07e-05
580	156	-7.86e-03	0.08	-0.02	-1.27e-04	0.0	1.60e-05
581	3	-0.02	0.13	-0.01	-2.09e-04	0.0	2.83e-05
581	4	-0.01	0.14	-0.02	-2.22e-04	0.0	3.01e-05
581	9	-3.46e-03	0.09	-0.04	-1.36e-04	0.0	1.85e-05
581	16	7.38	0.83	-0.63	-2.23e-04	0.0	-7.24e-04
581	18	-7.84	-1.68	0.53	3.05e-04	0.0	6.75e-04
581	35	2.77	2.20	-0.07	-7.57e-04	0.0	-7.88e-05
581	48	6.28	0.62	-0.54	-2.02e-04	0.0	-6.23e-04
581	50	-6.77	-1.51	0.44	2.96e-04	0.0	5.67e-04
581	67	2.46	2.18	-0.04	-7.66e-04	0.0	-2.43e-05
581	80	5.46	0.54	-0.48	-1.91e-04	0.0	-5.41e-04
581	82	-5.90	-1.32	0.38	2.49e-04	0.0	4.94e-04
581	99	2.15	1.95	-0.03	-6.96e-04	0.0	-1.52e-05
581	112	9.20	1.05	-0.78	-2.52e-04	0.0	-9.02e-04
581	114	-9.72	-2.07	0.67	3.89e-04	0.0	8.41e-04
581	131	3.43	2.59	-0.09	-8.69e-04	0.0	-1.22e-04
581	145	-0.01	0.09	-0.01	-1.47e-04	0.0	1.98e-05
581	146	-9.91e-03	0.10	-0.01	-1.55e-04	0.0	2.10e-05
581	147	-2.60e-03	0.06	-0.03	-9.73e-05	0.0	1.33e-05
581	151	-8.55e-03	0.08	-0.02	-1.27e-04	0.0	1.71e-05
581	152	-3.62e-03	0.05	-0.03	-8.42e-05	0.0	1.13e-05
581	155	-3.88e-03	0.05	-0.03	-8.09e-05	0.0	1.08e-05
581	156	-7.89e-03	0.08	-0.02	-1.20e-04	0.0	1.62e-05
582	3	-0.03	0.27	-0.01	-2.21e-04	0.0	4.32e-05
582	4	-0.02	0.29	-0.02	-2.34e-04	0.0	4.61e-05
582	9	-4.29e-03	0.18	-0.04	-1.43e-04	0.0	2.85e-05
582	16	8.69	0.58	-1.55	-1.55e-04	0.0	-9.35e-04
582	21	-9.20	-0.29	1.50	-9.18e-05	0.0	1.01e-03
582	35	3.21	2.59	-0.26	-7.48e-04	0.0	-4.77e-05
582	48	7.38	0.41	-1.33	-1.53e-04	0.0	-8.05e-04
582	53	-7.93	-0.12	1.28	-9.50e-05	0.0	8.79e-04
582	67	2.83	2.60	-0.17	-7.65e-04	0.0	2.02e-05
582	80	6.41	0.36	-1.16	-1.50e-04	0.0	-6.98e-04
582	85	-6.91	-0.07	1.11	-9.85e-05	0.0	7.70e-04
582	99	2.48	2.33	-0.14	-6.96e-04	0.0	2.68e-05
582	112	10.84	0.73	-1.92	-1.62e-04	0.0	-1.16e-03
582	117	-11.42	-0.45	1.87	-8.24e-05	0.0	1.24e-03
582	131	3.98	3.03	-0.34	-8.54e-04	0.0	-9.29e-05
582	145	-0.02	0.19	-0.01	-1.55e-04	0.0	3.02e-05
582	146	-0.02	0.20	-0.02	-1.63e-04	0.0	3.21e-05
582	147	-3.28e-03	0.13	-0.03	-1.03e-04	0.0	2.04e-05
582	151	-0.01	0.17	-0.02	-1.34e-04	0.0	2.61e-05
582	152	-5.35e-03	0.11	-0.03	-8.87e-05	0.0	1.74e-05
582	155	-5.87e-03	0.11	-0.03	-8.52e-05	0.0	1.66e-05
582	156	-0.01	0.16	-0.02	-1.27e-04	0.0	2.48e-05
583	3	-0.03	0.26	-0.02	-2.15e-04	0.0	4.34e-05
583	4	-0.02	0.27	-0.02	-2.27e-04	0.0	4.63e-05
583	9	-4.29e-03	0.17	-0.04	-1.39e-04	0.0	2.87e-05
583	16	8.69	0.94	-0.69	-2.41e-04	0.0	-9.34e-04
583	21	-9.20	-0.69	0.64	4.84e-06	0.0	1.01e-03
583	35	3.21	2.62	-0.08	-7.27e-04	0.0	-4.71e-05
583	48	7.38	0.71	-0.60	-2.18e-04	0.0	-8.05e-04
583	53	-7.93	-0.46	0.55	-1.91e-05	0.0	8.79e-04
583	67	2.83	2.61	-0.04	-7.34e-04	0.0	2.09e-05
583	80	6.41	0.62	-0.52	-2.06e-04	0.0	-6.98e-04
583	85	-6.91	-0.37	0.48	-3.29e-05	0.0	7.70e-04
583	99	2.48	2.34	-0.03	-6.67e-04	0.0	2.74e-05
583	112	10.84	1.18	-0.85	-2.73e-04	0.0	-1.16e-03
583	117	-11.42	-0.94	0.80	4.00e-05	0.0	1.24e-03
583	131	3.98	3.08	-0.10	-8.34e-04	0.0	-9.21e-05
583	145	-0.02	0.18	-0.01	-1.50e-04	0.0	3.04e-05
583	146	-0.02	0.19	-0.02	-1.59e-04	0.0	3.23e-05
583	147	-3.28e-03	0.12	-0.03	-9.97e-05	0.0	2.05e-05
583	151	-0.01	0.15	-0.02	-1.30e-04	0.0	2.63e-05
583	152	-5.35e-03	0.10	-0.03	-8.62e-05	0.0	1.75e-05
583	155	-5.87e-03	0.10	-0.03	-8.29e-05	0.0	1.67e-05
583	156	-0.01	0.15	-0.02	-1.23e-04	0.0	2.49e-05
584	3	-0.03	0.40	-0.02	-2.24e-04	0.0	4.88e-05
584	4	-0.03	0.43	-0.02	-2.37e-04	0.0	5.20e-05
584	9	-3.67e-03	0.26	-0.04	-1.44e-04	0.0	3.23e-05
584	16	10.06	0.63	-1.65	-1.75e-04	0.0	-1.14e-03
584	21	-10.64	-0.20	1.60	-7.40e-05	0.0	1.23e-03
584	35	3.68	3.00	-0.27	-6.77e-04	0.0	-4.90e-05

584	48	8.53	0.46	-1.42	-1.70e-04	0.0	-9.86e-04
584	53	-9.15	-0.03	1.36	-8.02e-05	0.0	1.07e-03
584	67	3.23	3.02	-0.18	-6.90e-04	0.0	3.25e-05
584	80	7.41	0.41	-1.23	-1.65e-04	0.0	-8.55e-04
584	85	-7.96	0.02	1.18	-8.59e-05	0.0	9.39e-04
584	99	2.82	2.71	-0.15	-6.30e-04	0.0	3.95e-05
584	112	12.56	0.78	-2.04	-1.87e-04	0.0	-1.42e-03
584	117	-13.21	-0.36	1.99	-5.99e-05	0.0	1.52e-03
584	131	4.57	3.50	-0.36	-7.71e-04	0.0	-1.01e-04
584	145	-0.02	0.28	-0.02	-1.56e-04	0.0	3.41e-05
584	146	-0.02	0.30	-0.02	-1.65e-04	0.0	3.63e-05
584	147	-2.90e-03	0.19	-0.03	-1.04e-04	0.0	2.31e-05
584	151	-0.02	0.24	-0.02	-1.35e-04	0.0	2.95e-05
584	152	-6.01e-03	0.16	-0.03	-8.96e-05	0.0	1.96e-05
584	155	-6.79e-03	0.16	-0.03	-8.61e-05	0.0	1.87e-05
584	156	-0.02	0.23	-0.02	-1.28e-04	0.0	2.80e-05
585	3	-0.03	0.38	-0.02	-2.23e-04	0.0	4.89e-05
585	4	-0.03	0.41	-0.02	-2.36e-04	0.0	5.21e-05
585	9	-3.67e-03	0.25	-0.04	-1.44e-04	0.0	3.23e-05
585	16	10.06	1.07	-0.75	-2.67e-04	0.0	-1.14e-03
585	21	-10.64	-0.68	0.70	2.32e-05	0.0	1.23e-03
585	35	3.68	3.03	-0.08	-6.84e-04	0.0	-4.79e-05
585	48	8.53	0.83	-0.65	-2.42e-04	0.0	-9.86e-04
585	53	-9.15	-0.43	0.59	-3.84e-06	0.0	1.07e-03
585	67	3.23	3.02	-0.04	-6.89e-04	0.0	3.36e-05
585	80	7.41	0.73	-0.57	-2.27e-04	0.0	-8.55e-04
585	85	-7.96	-0.33	0.51	-2.03e-05	0.0	9.40e-04
585	99	2.82	2.71	-0.03	-6.27e-04	0.0	4.05e-05
585	112	12.56	1.33	-0.92	-3.05e-04	0.0	-1.42e-03
585	117	-13.21	-0.95	0.87	6.37e-05	0.0	1.52e-03
585	131	4.57	3.55	-0.11	-7.84e-04	0.0	-9.98e-05
585	145	-0.02	0.27	-0.02	-1.56e-04	0.0	3.42e-05
585	146	-0.02	0.28	-0.02	-1.65e-04	0.0	3.63e-05
585	147	-2.90e-03	0.18	-0.03	-1.03e-04	0.0	2.31e-05
585	151	-0.02	0.23	-0.02	-1.35e-04	0.0	2.96e-05
585	152	-6.01e-03	0.15	-0.03	-8.93e-05	0.0	1.97e-05
585	155	-6.79e-03	0.15	-0.03	-8.58e-05	0.0	1.88e-05
585	156	-0.02	0.22	-0.02	-1.28e-04	0.0	2.80e-05
586	3	-0.04	0.53	-0.02	-2.29e-04	0.0	4.58e-05
586	4	-0.03	0.57	-0.02	-2.42e-04	0.0	4.90e-05
586	9	-1.96e-03	0.35	-0.05	-1.47e-04	0.0	3.06e-05
586	16	11.50	0.72	-1.74	-2.08e-04	0.0	-1.34e-03
586	21	-12.13	-0.14	1.68	-4.66e-05	0.0	1.43e-03
586	35	4.17	3.36	-0.28	-6.11e-04	0.0	-9.04e-05
586	48	9.73	0.53	-1.49	-1.96e-04	0.0	-1.16e-03
586	53	-10.41	0.04	1.44	-5.94e-05	0.0	1.25e-03
586	67	3.65	3.38	-0.19	-6.20e-04	0.0	3.98e-06
586	80	8.45	0.49	-1.30	-1.88e-04	0.0	-1.00e-03
586	85	-9.07	0.09	1.25	-6.85e-05	0.0	1.09e-03
586	99	3.19	3.05	-0.16	-5.67e-04	0.0	1.51e-05
586	112	14.35	0.87	-2.15	-2.28e-04	0.0	-1.67e-03
586	117	-15.07	-0.31	2.09	-2.43e-05	0.0	1.77e-03
586	131	5.18	3.91	-0.38	-6.95e-04	0.0	-1.56e-04
586	145	-0.02	0.37	-0.02	-1.60e-04	0.0	3.20e-05
586	146	-0.02	0.39	-0.02	-1.69e-04	0.0	3.41e-05
586	147	-1.73e-03	0.25	-0.04	-1.06e-04	0.0	2.19e-05
586	151	-0.02	0.32	-0.02	-1.38e-04	0.0	2.77e-05
586	152	-5.80e-03	0.21	-0.03	-9.16e-05	0.0	1.85e-05
586	155	-6.82e-03	0.21	-0.03	-8.81e-05	0.0	1.76e-05
586	156	-0.02	0.31	-0.02	-1.31e-04	0.0	2.63e-05
587	3	-0.04	0.52	-0.02	-2.33e-04	0.0	4.60e-05
587	4	-0.03	0.55	-0.02	-2.46e-04	0.0	4.92e-05
587	9	-1.96e-03	0.33	-0.04	-1.49e-04	0.0	3.07e-05
587	16	11.50	1.23	-0.80	-3.01e-04	0.0	-1.34e-03
587	21	-12.13	-0.69	0.74	4.61e-05	0.0	1.44e-03
587	35	4.17	3.41	-0.08	-6.38e-04	0.0	-8.93e-05
587	48	9.73	0.96	-0.69	-2.71e-04	0.0	-1.16e-03
587	53	-10.41	-0.42	0.63	1.46e-05	0.0	1.25e-03
587	67	3.65	3.40	-0.04	-6.40e-04	0.0	5.01e-06
587	80	8.45	0.86	-0.60	-2.52e-04	0.0	-1.00e-03
587	85	-9.07	-0.31	0.55	-5.02e-06	0.0	1.09e-03
587	99	3.19	3.05	-0.03	-5.84e-04	0.0	1.60e-05
587	112	14.35	1.51	-0.98	-3.46e-04	0.0	-1.67e-03
587	117	-15.07	-0.99	0.93	9.35e-05	0.0	1.77e-03
587	131	5.18	3.99	-0.12	-7.30e-04	0.0	-1.54e-04

587	145	-0.02	0.36	-0.02	-1.63e-04	0.0	3.21e-05
587	146	-0.02	0.38	-0.02	-1.72e-04	0.0	3.43e-05
587	147	-1.73e-03	0.24	-0.03	-1.07e-04	0.0	2.20e-05
587	151	-0.02	0.31	-0.02	-1.41e-04	0.0	2.78e-05
587	152	-5.80e-03	0.21	-0.03	-9.30e-05	0.0	1.86e-05
587	155	-6.82e-03	0.20	-0.03	-8.94e-05	0.0	1.77e-05
587	156	-0.02	0.30	-0.02	-1.33e-04	0.0	2.64e-05
588	3	-0.04	0.67	-0.02	-2.35e-04	0.0	3.44e-05
588	4	-0.03	0.71	-0.02	-2.49e-04	0.0	3.73e-05
588	9	4.16e-04	0.43	-0.05	-1.52e-04	0.0	2.48e-05
588	16	12.98	0.83	-1.81	-2.59e-04	0.0	-1.52e-03
588	21	-13.68	-0.11	1.75	-3.05e-06	0.0	1.60e-03
588	35	4.68	3.69	-0.30	-5.76e-04	0.0	-1.48e-04
588	48	10.98	0.64	-1.56	-2.35e-04	0.0	-1.31e-03
588	53	-11.73	0.08	1.50	-2.75e-05	0.0	1.39e-03
588	67	4.08	3.71	-0.19	-5.80e-04	0.0	-4.28e-05
588	80	9.53	0.59	-1.36	-2.22e-04	0.0	-1.14e-03
588	85	-10.21	0.14	1.30	-4.19e-05	0.0	1.21e-03
588	99	3.57	3.35	-0.17	-5.31e-04	0.0	-2.63e-05
588	112	16.20	1.00	-2.25	-2.93e-04	0.0	-1.89e-03
588	117	-17.00	-0.29	2.19	3.25e-05	0.0	1.98e-03
588	131	5.82	4.28	-0.39	-6.55e-04	0.0	-2.28e-04
588	145	-0.02	0.47	-0.02	-1.65e-04	0.0	2.41e-05
588	146	-0.02	0.49	-0.02	-1.74e-04	0.0	2.60e-05
588	147	-6.39e-05	0.31	-0.04	-1.09e-04	0.0	1.77e-05
588	151	-0.02	0.40	-0.02	-1.43e-04	0.0	2.10e-05
588	152	-4.92e-03	0.27	-0.03	-9.46e-05	0.0	1.46e-05
588	155	-6.13e-03	0.26	-0.03	-9.09e-05	0.0	1.38e-05
588	156	-0.02	0.38	-0.02	-1.35e-04	0.0	2.00e-05
589	3	-0.04	0.65	-0.02	-2.43e-04	0.0	3.48e-05
589	4	-0.03	0.69	-0.02	-2.57e-04	0.0	3.77e-05
589	9	4.15e-04	0.42	-0.05	-1.56e-04	0.0	2.49e-05
589	16	12.98	1.41	-0.84	-3.41e-04	0.0	-1.52e-03
589	21	-13.68	-0.72	0.78	7.40e-05	0.0	1.60e-03
589	35	4.68	3.76	-0.09	-6.02e-04	0.0	-1.48e-04
589	48	10.98	1.12	-0.72	-3.05e-04	0.0	-1.31e-03
589	53	-11.73	-0.43	0.67	3.63e-05	0.0	1.39e-03
589	67	4.08	3.75	-0.04	-6.01e-04	0.0	-4.26e-05
589	80	9.53	1.01	-0.63	-2.83e-04	0.0	-1.14e-03
589	85	-10.21	-0.31	0.58	1.28e-05	0.0	1.22e-03
589	99	3.57	3.37	-0.04	-5.50e-04	0.0	-2.60e-05
589	112	16.20	1.72	-1.03	-3.95e-04	0.0	-1.89e-03
589	117	-17.00	-1.05	0.98	1.30e-04	0.0	1.98e-03
589	131	5.82	4.39	-0.12	-6.88e-04	0.0	-2.28e-04
589	145	-0.02	0.46	-0.02	-1.70e-04	0.0	2.44e-05
589	146	-0.02	0.48	-0.02	-1.80e-04	0.0	2.63e-05
589	147	-6.44e-05	0.30	-0.04	-1.12e-04	0.0	1.78e-05
589	151	-0.02	0.40	-0.02	-1.47e-04	0.0	2.13e-05
589	152	-4.92e-03	0.26	-0.03	-9.71e-05	0.0	1.47e-05
589	155	-6.13e-03	0.25	-0.03	-9.34e-05	0.0	1.39e-05
589	156	-0.02	0.38	-0.02	-1.40e-04	0.0	2.02e-05
590	3	-0.03	0.81	-0.02	-2.46e-04	0.0	1.46e-05
590	4	-0.03	0.85	-0.02	-2.61e-04	0.0	1.74e-05
590	9	2.99e-03	0.52	-0.05	-1.60e-04	0.0	1.64e-05
590	16	14.51	1.00	-1.88	-3.31e-04	0.0	-1.65e-03
590	21	-15.27	-0.12	1.82	5.82e-05	0.0	1.71e-03
590	35	5.21	4.01	-0.31	-5.87e-04	0.0	-1.94e-04
590	48	12.26	0.79	-1.61	-2.92e-04	0.0	-1.42e-03
590	53	-13.08	0.09	1.55	1.87e-05	0.0	1.48e-03
590	67	4.54	4.04	-0.20	-5.86e-04	0.0	-8.11e-05
590	80	10.65	0.73	-1.41	-2.71e-04	0.0	-1.23e-03
590	85	-11.38	0.15	1.35	-3.31e-06	0.0	1.29e-03
590	99	3.97	3.64	-0.17	-5.37e-04	0.0	-6.07e-05
590	112	18.11	1.19	-2.33	-3.83e-04	0.0	-2.05e-03
590	117	-18.97	-0.32	2.26	1.12e-04	0.0	2.12e-03
590	131	6.47	4.65	-0.41	-6.69e-04	0.0	-2.85e-04
590	145	-0.02	0.56	-0.02	-1.72e-04	0.0	1.05e-05
590	146	-0.02	0.60	-0.02	-1.82e-04	0.0	1.23e-05
590	147	1.76e-03	0.38	-0.04	-1.15e-04	0.0	1.17e-05
590	151	-0.02	0.49	-0.02	-1.49e-04	0.0	9.71e-06
590	152	-3.58e-03	0.32	-0.03	-9.90e-05	0.0	8.71e-06
590	155	-4.91e-03	0.31	-0.03	-9.51e-05	0.0	7.96e-06
590	156	-0.02	0.46	-0.03	-1.41e-04	0.0	9.46e-06
591	3	-0.03	0.80	-0.02	-2.54e-04	0.0	1.38e-05
591	4	-0.03	0.85	-0.02	-2.68e-04	0.0	1.65e-05

591	9	2.99e-03	0.52	-0.05	-1.62e-04	0.0	1.60e-05
591	16	14.51	1.62	-0.87	-3.90e-04	0.0	-1.65e-03
591	21	-15.27	-0.77	0.82	1.10e-04	0.0	1.72e-03
591	35	5.21	4.10	-0.09	-5.78e-04	0.0	-2.06e-04
591	48	12.26	1.31	-0.75	-3.45e-04	0.0	-1.42e-03
591	53	-13.08	-0.46	0.70	6.35e-05	0.0	1.49e-03
591	67	4.54	4.08	-0.04	-5.72e-04	0.0	-9.26e-05
591	80	10.65	1.18	-0.66	-3.18e-04	0.0	-1.24e-03
591	85	-11.38	-0.32	0.60	3.53e-05	0.0	1.30e-03
591	99	3.97	3.68	-0.04	-5.25e-04	0.0	-7.11e-05
591	112	18.11	1.97	-1.08	-4.55e-04	0.0	-2.05e-03
591	117	-18.97	-1.13	1.02	1.77e-04	0.0	2.13e-03
591	131	6.47	4.77	-0.13	-6.60e-04	0.0	-2.99e-04
591	145	-0.02	0.56	-0.02	-1.78e-04	0.0	9.89e-06
591	146	-0.02	0.59	-0.02	-1.87e-04	0.0	1.17e-05
591	147	1.76e-03	0.37	-0.04	-1.16e-04	0.0	1.14e-05
591	151	-0.02	0.48	-0.02	-1.53e-04	0.0	9.22e-06
591	152	-3.58e-03	0.32	-0.03	-1.01e-04	0.0	8.41e-06
591	155	-4.91e-03	0.31	-0.03	-9.72e-05	0.0	7.67e-06
591	156	-0.02	0.46	-0.02	-1.45e-04	0.0	9.00e-06
592	3	-0.02	0.12	-0.01	-1.96e-04	0.0	2.93e-05
592	4	-0.01	0.13	-0.01	-2.08e-04	0.0	3.12e-05
592	9	-3.47e-03	0.08	-0.04	-1.27e-04	0.0	1.91e-05
592	18	-7.84	-1.96	-0.11	4.04e-04	0.0	6.73e-04
592	23	7.05	2.34	0.10	-6.91e-04	0.0	-7.10e-04
592	38	-2.79	-2.11	-0.14	4.86e-04	0.0	1.11e-04
592	50	-6.77	-1.75	-0.11	3.68e-04	0.0	5.66e-04
592	67	2.46	2.22	0.11	-7.08e-04	0.0	-2.29e-05
592	70	-2.47	-2.08	-0.14	4.83e-04	0.0	5.64e-05
592	82	-5.90	-1.52	-0.10	3.11e-04	0.0	4.93e-04
592	99	2.15	1.98	0.09	-6.42e-04	0.0	-1.39e-05
592	102	-2.17	-1.84	-0.13	4.17e-04	0.0	4.74e-05
592	114	-9.72	-2.42	-0.13	5.15e-04	0.0	8.39e-04
592	119	8.92	2.90	0.13	-8.26e-04	0.0	-9.12e-04
592	134	-3.45	-2.53	-0.16	5.97e-04	0.0	1.54e-04
592	145	-0.01	0.09	-0.01	-1.37e-04	0.0	2.05e-05
592	146	-9.93e-03	0.09	-0.01	-1.45e-04	0.0	2.17e-05
592	147	-2.60e-03	0.06	-0.03	-9.11e-05	0.0	1.37e-05
592	151	-8.57e-03	0.07	-0.02	-1.19e-04	0.0	1.77e-05
592	152	-3.63e-03	0.05	-0.03	-7.89e-05	0.0	1.17e-05
592	155	-3.89e-03	0.05	-0.03	-7.58e-05	0.0	1.12e-05
592	156	-7.90e-03	0.07	-0.02	-1.13e-04	0.0	1.67e-05
593	3	-0.03	0.24	-0.01	-2.08e-04	0.0	4.41e-05
593	4	-0.02	0.25	-0.01	-2.20e-04	0.0	4.70e-05
593	9	-4.30e-03	0.16	-0.04	-1.34e-04	0.0	2.91e-05
593	21	-9.20	-1.08	-0.06	1.50e-04	0.0	1.01e-03
593	23	8.27	2.73	0.11	-7.04e-04	0.0	-8.67e-04
593	38	-3.24	-2.39	-0.15	4.68e-04	0.0	9.59e-05
593	53	-7.93	-0.80	-0.05	1.01e-04	0.0	8.80e-04
593	67	2.83	2.62	0.12	-7.02e-04	0.0	2.26e-05
593	70	-2.85	-2.35	-0.15	4.63e-04	0.0	2.79e-05
593	85	-6.91	-0.66	-0.05	7.09e-05	0.0	7.70e-04
593	99	2.48	2.34	0.10	-6.37e-04	0.0	2.90e-05
593	102	-2.50	-2.07	-0.14	3.99e-04	0.0	2.15e-05
593	117	-11.42	-1.42	-0.07	2.21e-04	0.0	1.24e-03
593	119	10.48	3.37	0.14	-8.41e-04	0.0	-1.12e-03
593	134	-4.01	-2.86	-0.18	5.77e-04	0.0	1.41e-04
593	145	-0.02	0.17	-0.01	-1.46e-04	0.0	3.08e-05
593	146	-0.02	0.18	-0.01	-1.54e-04	0.0	3.27e-05
593	147	-3.28e-03	0.11	-0.03	-9.64e-05	0.0	2.09e-05
593	151	-0.01	0.14	-0.02	-1.26e-04	0.0	2.67e-05
593	152	-5.36e-03	0.10	-0.03	-8.35e-05	0.0	1.78e-05
593	155	-5.87e-03	0.09	-0.03	-8.02e-05	0.0	1.70e-05
593	156	-0.01	0.14	-0.02	-1.19e-04	0.0	2.53e-05
594	3	-0.03	0.36	-0.01	-2.22e-04	0.0	4.90e-05
594	4	-0.03	0.39	-0.01	-2.35e-04	0.0	5.24e-05
594	9	-3.68e-03	0.24	-0.04	-1.43e-04	0.0	3.26e-05
594	21	-10.64	-1.16	-0.06	1.62e-04	0.0	1.23e-03
594	23	9.57	3.13	0.11	-7.16e-04	0.0	-1.04e-03
594	38	-3.71	-2.65	-0.16	4.42e-04	0.0	1.01e-04
594	53	-9.15	-0.84	-0.05	1.10e-04	0.0	1.07e-03
594	67	3.23	3.02	0.13	-6.91e-04	0.0	3.67e-05
594	70	-3.26	-2.60	-0.16	4.37e-04	0.0	1.95e-05
594	85	-7.96	-0.69	-0.05	7.84e-05	0.0	9.40e-04
594	99	2.82	2.70	0.11	-6.28e-04	0.0	4.32e-05

594	102	-2.85	-2.29	-0.15	3.74e-04	0.0	1.30e-05
594	117	-13.21	-1.54	-0.07	2.37e-04	0.0	1.52e-03
594	119	12.12	3.85	0.14	-8.56e-04	0.0	-1.34e-03
594	134	-4.60	-3.19	-0.19	5.49e-04	0.0	1.52e-04
594	145	-0.02	0.25	-0.01	-1.55e-04	0.0	3.43e-05
594	146	-0.02	0.27	-0.01	-1.64e-04	0.0	3.65e-05
594	147	-2.91e-03	0.17	-0.03	-1.03e-04	0.0	2.33e-05
594	151	-0.02	0.22	-0.02	-1.34e-04	0.0	2.97e-05
594	152	-6.02e-03	0.15	-0.03	-8.88e-05	0.0	1.98e-05
594	155	-6.79e-03	0.14	-0.03	-8.54e-05	0.0	1.89e-05
594	156	-0.02	0.21	-0.02	-1.27e-04	0.0	2.81e-05
595	3	-0.04	0.50	-0.01	-2.37e-04	0.0	4.65e-05
595	4	-0.03	0.53	-0.01	-2.51e-04	0.0	4.97e-05
595	9	-1.97e-03	0.32	-0.04	-1.52e-04	0.0	3.10e-05
595	21	-12.14	-1.25	-0.06	1.71e-04	0.0	1.44e-03
595	23	10.92	3.54	0.12	-7.20e-04	0.0	-1.23e-03
595	38	-4.20	-2.89	-0.17	4.05e-04	0.0	1.41e-04
595	53	-10.42	-0.90	-0.06	1.17e-04	0.0	1.25e-03
595	67	3.65	3.41	0.14	-6.69e-04	0.0	6.54e-06
595	70	-3.68	-2.84	-0.17	3.97e-04	0.0	4.67e-05
595	85	-9.07	-0.73	-0.05	8.35e-05	0.0	1.09e-03
595	99	3.19	3.06	0.12	-6.10e-04	0.0	1.74e-05
595	102	-3.22	-2.49	-0.16	3.38e-04	0.0	3.59e-05
595	117	-15.07	-1.68	-0.07	2.50e-04	0.0	1.77e-03
595	119	13.84	4.34	0.15	-8.60e-04	0.0	-1.58e-03
595	134	-5.21	-3.49	-0.20	5.07e-04	0.0	2.06e-04
595	145	-0.02	0.35	-0.01	-1.66e-04	0.0	3.25e-05
595	146	-0.02	0.37	-0.01	-1.75e-04	0.0	3.46e-05
595	147	-1.73e-03	0.23	-0.03	-1.09e-04	0.0	2.22e-05
595	151	-0.02	0.30	-0.02	-1.43e-04	0.0	2.81e-05
595	152	-5.81e-03	0.20	-0.03	-9.45e-05	0.0	1.87e-05
595	155	-6.83e-03	0.19	-0.03	-9.09e-05	0.0	1.79e-05
595	156	-0.02	0.29	-0.02	-1.36e-04	0.0	2.66e-05
596	3	-0.04	0.64	-9.89e-03	-2.52e-04	0.0	3.69e-05
596	4	-0.03	0.68	-0.01	-2.66e-04	0.0	3.97e-05
596	9	4.13e-04	0.41	-0.04	-1.60e-04	0.0	2.56e-05
596	21	-13.68	-1.34	-0.06	1.72e-04	0.0	1.60e-03
596	23	12.32	3.95	0.13	-7.08e-04	0.0	-1.41e-03
596	38	-4.72	-3.11	-0.18	3.53e-04	0.0	1.81e-04
596	53	-11.73	-0.96	-0.06	1.19e-04	0.0	1.39e-03
596	67	4.08	3.79	0.14	-6.33e-04	0.0	-3.36e-05
596	70	-4.12	-3.05	-0.18	3.44e-04	0.0	7.61e-05
596	85	-10.21	-0.77	-0.05	8.37e-05	0.0	1.22e-03
596	99	3.57	3.40	0.13	-5.78e-04	0.0	-1.79e-05
596	102	-3.60	-2.67	-0.16	2.90e-04	0.0	6.04e-05
596	117	-17.00	-1.82	-0.08	2.54e-04	0.0	1.98e-03
596	119	15.63	4.83	0.16	-8.44e-04	0.0	-1.81e-03
596	134	-5.85	-3.77	-0.21	4.48e-04	0.0	2.60e-04
596	145	-0.02	0.45	-0.01	-1.76e-04	0.0	2.58e-05
596	146	-0.02	0.47	-0.01	-1.86e-04	0.0	2.77e-05
596	147	-6.58e-05	0.30	-0.03	-1.15e-04	0.0	1.83e-05
596	151	-0.02	0.39	-0.02	-1.52e-04	0.0	2.24e-05
596	152	-4.92e-03	0.26	-0.03	-9.98e-05	0.0	1.52e-05
596	155	-6.14e-03	0.25	-0.03	-9.61e-05	0.0	1.44e-05
596	156	-0.02	0.37	-0.02	-1.44e-04	0.0	2.13e-05
597	3	-0.03	0.79	-8.91e-03	-2.54e-04	0.0	8.85e-06
597	4	-0.03	0.84	-0.01	-2.67e-04	0.0	1.14e-05
597	9	3.00e-03	0.51	-0.04	-1.60e-04	0.0	1.32e-05
597	21	-15.27	-1.44	-0.07	1.74e-04	0.0	1.73e-03
597	23	13.77	4.35	0.13	-7.22e-04	0.0	-1.61e-03
597	38	-5.24	-3.28	-0.19	3.72e-04	0.0	2.77e-04
597	53	-13.08	-1.03	-0.06	1.21e-04	0.0	1.49e-03
597	67	4.54	4.13	0.15	-6.55e-04	0.0	-1.50e-04
597	70	-4.57	-3.22	-0.19	3.65e-04	0.0	1.62e-04
597	85	-11.38	-0.82	-0.05	8.63e-05	0.0	1.30e-03
597	99	3.97	3.72	0.13	-5.98e-04	0.0	-1.22e-04
597	102	-4.00	-2.81	-0.17	3.08e-04	0.0	1.35e-04
597	117	-18.97	-1.96	-0.08	2.56e-04	0.0	2.14e-03
597	119	17.46	5.30	0.16	-8.60e-04	0.0	-2.05e-03
597	134	-6.51	-4.00	-0.22	4.71e-04	0.0	3.80e-04
597	145	-0.02	0.55	-0.01	-1.77e-04	0.0	6.48e-06
597	146	-0.02	0.59	-0.01	-1.87e-04	0.0	8.18e-06
597	147	1.77e-03	0.37	-0.03	-1.15e-04	0.0	9.36e-06
597	151	-0.02	0.48	-0.02	-1.53e-04	0.0	6.32e-06
597	152	-3.57e-03	0.32	-0.03	-1.00e-04	0.0	6.63e-06

597	155	-4.91e-03	0.30	-0.03	-9.63e-05	0.0	5.95e-06
597	156	-0.02	0.45	-0.02	-1.45e-04	0.0	6.27e-06
598	3	-7.44e-03	0.13	-0.34	-2.05e-04	0.0	4.02e-05
598	4	-7.39e-03	0.14	-0.36	-2.16e-04	0.0	4.23e-05
598	17	-10.06	-0.96	0.35	1.75e-04	0.0	6.41e-04
598	19	10.05	2.04	-0.78	-6.59e-04	0.0	-5.16e-04
598	23	9.13	2.31	-0.75	-7.24e-04	0.0	-6.15e-04
598	49	-8.63	-0.71	0.26	1.16e-04	0.0	5.57e-04
598	51	8.62	1.83	-0.69	-6.10e-04	0.0	-4.25e-04
598	67	1.67	2.20	-0.37	-6.93e-04	0.0	-1.49e-05
598	81	-7.52	-0.60	0.20	8.41e-05	0.0	4.88e-04
598	83	7.51	1.62	-0.63	-5.50e-04	0.0	-3.66e-04
598	99	1.43	1.96	-0.35	-6.28e-04	0.0	-6.73e-06
598	113	-12.50	-1.25	0.48	2.55e-04	0.0	7.89e-04
598	115	12.49	2.49	-0.92	-7.79e-04	0.0	-6.53e-04
598	119	11.62	2.86	-0.89	-8.70e-04	0.0	-7.91e-04
598	145	-5.23e-03	0.09	-0.24	-1.43e-04	0.0	2.80e-05
598	146	-5.20e-03	0.09	-0.25	-1.51e-04	0.0	2.95e-05
598	151	-4.52e-03	0.08	-0.21	-1.24e-04	0.0	2.42e-05
598	156	-4.28e-03	0.07	-0.21	-1.17e-04	0.0	2.29e-05
599	3	-6.32e-03	0.25	-0.38	-2.12e-04	0.0	6.04e-05
599	4	-5.91e-03	0.26	-0.40	-2.24e-04	0.0	6.36e-05
599	17	-11.99	-1.05	0.39	1.81e-04	0.0	7.46e-04
599	19	11.98	2.42	-0.86	-6.61e-04	0.0	-5.72e-04
599	23	10.92	2.72	-0.83	-7.26e-04	0.0	-6.88e-04
599	49	-10.26	-0.77	0.29	1.22e-04	0.0	6.50e-04
599	51	10.25	2.18	-0.77	-6.12e-04	0.0	-4.69e-04
599	67	2.08	2.59	-0.41	-6.78e-04	0.0	7.83e-06
599	81	-8.93	-0.64	0.22	8.82e-05	0.0	5.70e-04
599	83	8.92	1.92	-0.70	-5.52e-04	0.0	-4.01e-04
599	99	1.79	2.32	-0.38	-6.16e-04	0.0	1.55e-05
599	113	-14.91	-1.39	0.54	2.62e-04	0.0	9.16e-04
599	115	14.90	2.93	-1.02	-7.81e-04	0.0	-7.27e-04
599	119	13.91	3.36	-0.99	-8.73e-04	0.0	-8.88e-04
599	145	-4.43e-03	0.17	-0.27	-1.48e-04	0.0	4.22e-05
599	146	-4.16e-03	0.18	-0.28	-1.57e-04	0.0	4.43e-05
599	151	-3.74e-03	0.15	-0.24	-1.28e-04	0.0	3.62e-05
599	156	-3.52e-03	0.14	-0.23	-1.22e-04	0.0	3.43e-05
600	3	-3.43e-03	0.38	-0.40	-2.21e-04	0.0	6.70e-05
600	4	-2.75e-03	0.40	-0.43	-2.34e-04	0.0	7.03e-05
600	17	-13.98	-1.16	0.42	1.87e-04	0.0	8.53e-04
600	19	13.98	2.80	-0.93	-6.61e-04	0.0	-6.60e-04
600	23	12.78	3.14	-0.89	-7.26e-04	0.0	-7.90e-04
600	49	-11.95	-0.83	0.32	1.28e-04	0.0	7.43e-04
600	51	11.94	2.53	-0.83	-6.10e-04	0.0	-5.42e-04
600	67	2.51	2.97	-0.44	-6.56e-04	0.0	0.0
600	81	-10.39	-0.68	0.25	9.30e-05	0.0	6.52e-04
600	83	10.39	2.24	-0.76	-5.51e-04	0.0	-4.65e-04
600	99	2.16	2.66	-0.41	-5.96e-04	0.0	9.98e-06
600	113	-17.39	-1.54	0.59	2.71e-04	0.0	1.05e-03
600	115	17.39	3.38	-1.10	-7.81e-04	0.0	-8.38e-04
600	119	16.28	3.86	-1.07	-8.72e-04	0.0	-1.02e-03
600	145	-2.39e-03	0.26	-0.29	-1.55e-04	0.0	4.67e-05
600	146	-1.94e-03	0.28	-0.30	-1.63e-04	0.0	4.89e-05
600	151	-1.94e-03	0.23	-0.25	-1.34e-04	0.0	4.00e-05
600	156	-1.79e-03	0.22	-0.24	-1.27e-04	0.0	3.78e-05
601	4	-3.69e-04	0.54	-0.45	-2.43e-04	0.0	6.49e-05
601	9	1.48e-03	0.33	-0.30	-1.47e-04	0.0	3.60e-05
601	17	-16.02	-1.26	0.45	1.91e-04	0.0	9.61e-04
601	19	16.02	3.18	-0.99	-6.56e-04	0.0	-7.78e-04
601	23	14.67	3.56	-0.95	-7.20e-04	0.0	-9.20e-04
601	49	-13.67	-0.91	0.35	1.32e-04	0.0	8.36e-04
601	51	13.67	2.87	-0.88	-6.05e-04	0.0	-6.44e-04
601	67	2.95	3.34	-0.46	-6.28e-04	0.0	-3.54e-05
601	81	-11.89	-0.73	0.27	9.60e-05	0.0	7.33e-04
601	83	11.89	2.55	-0.80	-5.47e-04	0.0	-5.53e-04
601	99	2.53	3.00	-0.44	-5.72e-04	0.0	-2.15e-05
601	113	-19.94	-1.70	0.63	2.76e-04	0.0	1.18e-03
601	115	19.94	3.83	-1.17	-7.74e-04	0.0	-9.83e-04
601	119	18.69	4.36	-1.13	-8.64e-04	0.0	-1.18e-03
601	146	-2.72e-04	0.37	-0.32	-1.70e-04	0.0	4.50e-05
601	147	9.61e-04	0.23	-0.22	-1.05e-04	0.0	2.58e-05
601	151	-5.46e-04	0.31	-0.27	-1.39e-04	0.0	3.68e-05
601	156	-4.72e-04	0.29	-0.25	-1.32e-04	0.0	3.47e-05
602	4	2.53e-05	0.68	-0.47	-2.52e-04	0.0	4.42e-05

602	9	1.10e-03	0.41	-0.32	-1.51e-04	0.0	2.37e-05
602	17	-18.09	-1.37	0.48	1.92e-04	0.0	1.07e-03
602	19	18.09	3.55	-1.04	-6.49e-04	0.0	-9.13e-04
602	23	16.58	3.97	-1.00	-7.12e-04	0.0	-1.06e-03
602	49	-15.42	-0.98	0.36	1.33e-04	0.0	9.28e-04
602	51	15.42	3.22	-0.93	-5.98e-04	0.0	-7.62e-04
602	67	3.37	3.69	-0.49	-6.02e-04	0.0	-7.31e-05
602	81	-13.41	-0.79	0.28	9.70e-05	0.0	8.12e-04
602	83	13.41	2.86	-0.84	-5.42e-04	0.0	-6.58e-04
602	99	2.90	3.32	-0.46	-5.50e-04	0.0	-5.57e-05
602	113	-22.52	-1.86	0.66	2.78e-04	0.0	1.32e-03
602	115	22.51	4.27	-1.23	-7.65e-04	0.0	-1.15e-03
602	119	21.13	4.85	-1.19	-8.54e-04	0.0	-1.36e-03
602	146	-2.35e-06	0.48	-0.33	-1.76e-04	0.0	3.07e-05
602	147	7.16e-04	0.30	-0.23	-1.09e-04	0.0	1.69e-05
602	151	-2.38e-04	0.39	-0.28	-1.44e-04	0.0	2.51e-05
602	156	-2.01e-04	0.37	-0.27	-1.37e-04	0.0	2.36e-05
603	3	-1.58e-03	0.79	-0.47	-2.85e-04	0.0	-1.22e-06
603	4	-1.54e-03	0.83	-0.50	-3.01e-04	0.0	0.0
603	17	-20.15	-1.48	0.49	8.90e-05	0.0	1.16e-03
603	19	20.15	3.92	-1.09	-6.11e-04	0.0	-1.16e-03
603	23	18.48	4.37	-1.04	-6.41e-04	0.0	-1.19e-03
603	49	-17.17	-1.05	0.37	4.60e-05	0.0	1.00e-03
603	51	17.17	3.56	-0.97	-5.76e-04	0.0	-1.00e-03
603	67	3.79	4.03	-0.52	-6.12e-04	0.0	-9.99e-05
603	81	-14.93	-0.84	0.28	1.83e-05	0.0	8.72e-04
603	83	14.93	3.17	-0.88	-5.27e-04	0.0	-8.74e-04
603	99	3.26	3.63	-0.49	-5.62e-04	0.0	-8.17e-05
603	113	-25.09	-2.02	0.68	1.54e-04	0.0	1.43e-03
603	115	25.09	4.71	-1.28	-7.08e-04	0.0	-1.43e-03
603	119	23.55	5.34	-1.25	-7.54e-04	0.0	-1.51e-03
603	145	-1.11e-03	0.55	-0.34	-2.00e-04	0.0	0.0
603	146	-1.08e-03	0.58	-0.36	-2.10e-04	0.0	0.0
603	151	-9.45e-04	0.48	-0.30	-1.72e-04	0.0	0.0
603	156	-8.90e-04	0.45	-0.29	-1.63e-04	0.0	0.0
604	3	-7.54e-03	0.15	-0.31	-2.25e-04	0.0	3.94e-05
604	4	-7.50e-03	0.16	-0.33	-2.37e-04	0.0	4.15e-05
604	17	-10.06	-0.65	1.60	8.85e-05	0.0	6.42e-04
604	19	10.05	1.77	-2.02	-6.25e-04	0.0	-5.18e-04
604	35	2.23	2.16	-0.77	-7.35e-04	0.0	-6.49e-05
604	49	-8.63	-0.45	1.33	3.74e-05	0.0	5.57e-04
604	51	8.62	1.61	-1.75	-5.84e-04	0.0	-4.27e-04
604	67	1.67	2.14	-0.67	-7.33e-04	0.0	-1.60e-05
604	81	-7.52	-0.37	1.13	1.34e-05	0.0	4.88e-04
604	83	7.51	1.42	-1.55	-5.30e-04	0.0	-3.67e-04
604	99	1.43	1.91	-0.61	-6.66e-04	0.0	-7.76e-06
604	113	-12.50	-0.87	2.05	1.51e-04	0.0	7.90e-04
604	115	12.49	2.15	-2.47	-7.33e-04	0.0	-6.55e-04
604	131	2.90	2.54	-0.92	-8.48e-04	0.0	-1.05e-04
604	145	-5.31e-03	0.10	-0.22	-1.57e-04	0.0	2.75e-05
604	146	-5.28e-03	0.11	-0.23	-1.66e-04	0.0	2.89e-05
604	151	-4.58e-03	0.09	-0.20	-1.36e-04	0.0	2.37e-05
604	156	-4.34e-03	0.08	-0.19	-1.29e-04	0.0	2.24e-05
605	3	-6.38e-03	0.28	-0.35	-2.23e-04	0.0	6.00e-05
605	4	-5.98e-03	0.30	-0.37	-2.35e-04	0.0	6.31e-05
605	17	-11.99	-0.69	1.71	9.46e-05	0.0	7.46e-04
605	19	11.98	2.12	-2.18	-6.01e-04	0.0	-5.73e-04
605	35	2.76	2.57	-0.84	-6.86e-04	0.0	-4.91e-05
605	49	-10.26	-0.46	1.42	4.49e-05	0.0	6.50e-04
605	51	10.25	1.93	-1.89	-5.61e-04	0.0	-4.69e-04
605	67	2.08	2.55	-0.73	-6.82e-04	0.0	7.03e-06
605	81	-8.93	-0.36	1.20	2.04e-05	0.0	5.70e-04
605	83	8.92	1.72	-1.67	-5.09e-04	0.0	-4.02e-04
605	99	1.79	2.29	-0.67	-6.20e-04	0.0	1.48e-05
605	113	-14.91	-0.95	2.18	1.57e-04	0.0	9.16e-04
605	115	14.90	2.56	-2.66	-7.05e-04	0.0	-7.27e-04
605	131	3.57	3.02	-1.00	-7.90e-04	0.0	-9.11e-05
605	145	-4.47e-03	0.20	-0.25	-1.56e-04	0.0	4.18e-05
605	146	-4.21e-03	0.21	-0.26	-1.64e-04	0.0	4.39e-05
605	151	-3.79e-03	0.17	-0.22	-1.35e-04	0.0	3.60e-05
605	156	-3.56e-03	0.16	-0.21	-1.28e-04	0.0	3.40e-05
606	3	-3.45e-03	0.41	-0.37	-2.22e-04	0.0	6.69e-05
606	4	-2.77e-03	0.43	-0.39	-2.34e-04	0.0	7.02e-05
606	17	-13.98	-0.74	1.80	1.04e-04	0.0	8.53e-04
606	19	13.98	2.46	-2.30	-5.73e-04	0.0	-6.61e-04

606	35	3.30	2.95	-0.89	-6.24e-04	0.0	-6.46e-05
606	49	-11.95	-0.48	1.49	5.54e-05	0.0	7.43e-04
606	51	11.94	2.24	-2.00	-5.34e-04	0.0	-5.43e-04
606	67	2.51	2.93	-0.78	-6.19e-04	0.0	0.0
606	81	-10.39	-0.37	1.26	2.99e-05	0.0	6.52e-04
606	83	10.39	2.00	-1.76	-4.84e-04	0.0	-4.65e-04
606	99	2.16	2.63	-0.71	-5.64e-04	0.0	9.21e-06
606	113	-17.39	-1.03	2.29	1.67e-04	0.0	1.05e-03
606	115	17.39	2.95	-2.81	-6.72e-04	0.0	-8.39e-04
606	131	4.26	3.46	-1.06	-7.18e-04	0.0	-1.14e-04
606	145	-2.40e-03	0.29	-0.26	-1.55e-04	0.0	4.66e-05
606	146	-1.95e-03	0.30	-0.28	-1.63e-04	0.0	4.88e-05
606	151	-1.95e-03	0.25	-0.23	-1.34e-04	0.0	4.00e-05
606	156	-1.80e-03	0.23	-0.22	-1.27e-04	0.0	3.77e-05
607	4	-3.78e-04	0.57	-0.41	-2.33e-04	0.0	6.44e-05
607	9	1.47e-03	0.34	-0.28	-1.40e-04	0.0	3.58e-05
607	17	-16.02	-0.80	1.86	1.16e-04	0.0	9.61e-04
607	19	16.02	2.77	-2.39	-5.50e-04	0.0	-7.78e-04
607	35	3.84	3.29	-0.93	-5.65e-04	0.0	-1.08e-04
607	49	-13.67	-0.51	1.54	6.81e-05	0.0	8.36e-04
607	51	13.67	2.54	-2.07	-5.10e-04	0.0	-6.44e-04
607	67	2.95	3.26	-0.82	-5.58e-04	0.0	-3.61e-05
607	81	-11.89	-0.38	1.30	4.14e-05	0.0	7.33e-04
607	83	11.89	2.26	-1.83	-4.63e-04	0.0	-5.54e-04
607	99	2.53	2.93	-0.75	-5.10e-04	0.0	-2.21e-05
607	113	-19.94	-1.13	2.37	1.81e-04	0.0	1.18e-03
607	115	19.94	3.32	-2.91	-6.44e-04	0.0	-9.84e-04
607	131	4.96	3.84	-1.11	-6.49e-04	0.0	-1.69e-04
607	146	-2.79e-04	0.40	-0.29	-1.62e-04	0.0	4.47e-05
607	147	9.54e-04	0.25	-0.20	-1.01e-04	0.0	2.56e-05
607	151	-5.51e-04	0.32	-0.25	-1.33e-04	0.0	3.66e-05
607	156	-4.78e-04	0.31	-0.24	-1.26e-04	0.0	3.45e-05
608	4	4.95e-05	0.70	-0.43	-2.30e-04	0.0	4.28e-05
608	9	1.10e-03	0.42	-0.30	-1.39e-04	0.0	2.31e-05
608	17	-18.09	-0.87	1.89	1.28e-04	0.0	1.07e-03
608	19	18.09	3.08	-2.45	-5.34e-04	0.0	-9.12e-04
608	35	4.39	3.59	-0.97	-5.23e-04	0.0	-1.53e-04
608	49	-15.42	-0.55	1.56	8.07e-05	0.0	9.26e-04
608	51	15.42	2.82	-2.13	-4.94e-04	0.0	-7.61e-04
608	67	3.37	3.56	-0.86	-5.15e-04	0.0	-7.36e-05
608	81	-13.41	-0.41	1.33	5.27e-05	0.0	8.10e-04
608	83	13.41	2.52	-1.89	-4.49e-04	0.0	-6.58e-04
608	99	2.90	3.20	-0.78	-4.72e-04	0.0	-5.63e-05
608	113	-22.51	-1.23	2.42	1.95e-04	0.0	1.32e-03
608	115	22.51	3.68	-2.99	-6.27e-04	0.0	-1.15e-03
608	131	5.65	4.19	-1.15	-6.00e-04	0.0	-2.23e-04
608	146	1.42e-05	0.49	-0.31	-1.60e-04	0.0	2.97e-05
608	147	7.13e-04	0.30	-0.22	-9.98e-05	0.0	1.65e-05
608	151	-2.23e-04	0.40	-0.26	-1.31e-04	0.0	2.43e-05
608	156	-1.87e-04	0.38	-0.25	-1.25e-04	0.0	2.28e-05
609	3	-4.55e-04	0.79	-0.45	-2.81e-04	0.0	0.0
609	4	-3.84e-04	0.83	-0.47	-2.98e-04	0.0	0.0
609	17	-20.16	-0.94	1.89	2.28e-05	0.0	1.16e-03
609	19	20.16	3.38	-2.50	-5.93e-04	0.0	-1.16e-03
609	35	4.92	3.87	-1.01	-6.83e-04	0.0	-1.84e-04
609	49	-17.18	-0.60	1.56	-1.41e-05	0.0	1.00e-03
609	51	17.18	3.09	-2.18	-5.66e-04	0.0	-1.00e-03
609	67	3.79	3.83	-0.90	-6.85e-04	0.0	-9.92e-05
609	81	-14.94	-0.44	1.32	-3.43e-05	0.0	8.74e-04
609	83	14.93	2.77	-1.93	-5.19e-04	0.0	-8.75e-04
609	99	3.26	3.46	-0.82	-6.28e-04	0.0	-8.10e-05
609	113	-25.10	-1.35	2.42	7.34e-05	0.0	1.43e-03
609	115	25.09	4.03	-3.04	-6.84e-04	0.0	-1.44e-03
609	119	23.56	4.54	-2.92	-7.22e-04	0.0	-1.51e-03
609	145	-3.14e-04	0.55	-0.32	-1.97e-04	0.0	0.0
609	146	-2.67e-04	0.58	-0.34	-2.08e-04	0.0	0.0
609	151	-2.52e-04	0.48	-0.28	-1.70e-04	0.0	0.0
609	156	-2.32e-04	0.45	-0.27	-1.62e-04	0.0	0.0
610	4	8.69e-04	1.88	-0.82	-1.22e-04	0.0	0.0
610	11	7.48e-04	1.73	-0.84	-6.81e-05	0.0	0.0
610	16	40.04	4.66	-0.24	-4.00e-04	3.40e-03	-1.66e-03
610	23	38.35	7.34	-0.14	-5.80e-04	3.02e-03	-1.68e-03
610	26	-38.35	-5.30	-0.74	4.39e-04	-3.02e-03	1.68e-03
610	48	34.13	3.97	-0.27	-3.49e-04	2.94e-03	-1.44e-03
610	55	30.74	6.45	-0.17	-5.15e-04	2.44e-03	-1.36e-03

610	58	-30.74	-4.40	-0.71	3.74e-04	-2.44e-03	1.36e-03
610	80	29.68	3.57	-0.29	-3.13e-04	2.57e-03	-1.26e-03
610	87	26.61	5.76	-0.21	-4.60e-04	2.12e-03	-1.18e-03
610	90	-26.60	-3.72	-0.67	3.19e-04	-2.12e-03	1.18e-03
610	112	49.84	5.63	-0.19	-4.83e-04	4.21e-03	-2.05e-03
610	119	48.87	8.93	-0.07	-7.06e-04	3.85e-03	-2.14e-03
610	122	-48.87	-6.88	-0.81	5.65e-04	-3.85e-03	2.14e-03
610	146	6.03e-04	1.31	-0.57	-8.38e-05	0.0	0.0
610	149	5.22e-04	1.22	-0.59	-4.77e-05	0.0	0.0
610	151	5.02e-04	1.08	-0.46	-7.76e-05	0.0	0.0
610	154	4.76e-04	1.05	-0.47	-6.45e-05	0.0	0.0
610	156	4.72e-04	1.02	-0.44	-7.05e-05	0.0	0.0
611	3	-0.03	0.96	0.01	-2.68e-04	0.0	-9.52e-06
611	4	-0.02	1.01	8.98e-03	-2.81e-04	0.0	-6.56e-06
611	9	4.96e-03	0.61	-0.04	-1.66e-04	0.0	6.76e-06
611	18	-16.88	-3.85	-1.01	3.39e-04	0.0	1.48e-03
611	21	-16.88	-2.22	-0.91	1.96e-04	0.0	1.75e-03
611	23	15.25	5.39	0.95	-6.67e-04	0.0	-1.58e-03
611	50	-14.45	-3.37	-0.87	2.91e-04	0.0	1.24e-03
611	53	-14.45	-1.67	-0.77	1.42e-04	0.0	1.52e-03
611	55	12.42	4.69	0.78	-6.00e-04	0.0	-1.24e-03
611	82	-12.57	-2.88	-0.76	2.37e-04	0.0	1.07e-03
611	85	-12.57	-1.37	-0.67	1.04e-04	0.0	1.32e-03
611	87	10.78	4.17	0.67	-5.45e-04	0.0	-1.07e-03
611	114	-20.98	-4.85	-1.25	4.49e-04	0.0	1.86e-03
611	117	-20.98	-2.96	-1.14	2.83e-04	0.0	2.17e-03
611	119	19.34	6.59	1.20	-7.94e-04	0.0	-2.02e-03
611	145	-0.02	0.67	4.28e-03	-1.87e-04	0.0	-6.15e-06
611	146	-0.02	0.70	1.60e-03	-1.96e-04	0.0	-4.19e-06
611	147	3.17e-03	0.43	-0.03	-1.19e-04	0.0	4.69e-06
611	151	-0.01	0.58	-4.59e-03	-1.61e-04	0.0	-4.08e-06
611	152	-2.21e-03	0.38	-0.03	-1.05e-04	0.0	1.55e-06
611	155	-3.55e-03	0.36	-0.03	-1.01e-04	0.0	0.0
611	156	-0.01	0.55	-7.54e-03	-1.53e-04	0.0	-3.39e-06
612	3	-0.03	0.96	-0.08	0.0	6.94e-06	-7.55e-06
612	4	-0.02	1.01	-0.09	0.0	6.83e-06	-5.85e-06
612	9	3.19e-03	0.61	-0.10	0.0	2.46e-06	2.95e-06
612	18	-17.78	-3.85	-0.71	0.0	-2.88e-03	1.70e-03
612	22	-17.78	-3.73	-0.71	0.0	-2.88e-03	1.82e-03
612	23	16.17	5.39	0.55	0.0	2.64e-03	-1.78e-03
612	54	-15.21	-3.26	-0.62	0.0	-2.46e-03	1.56e-03
612	55	13.14	4.70	0.44	0.0	2.15e-03	-1.43e-03
612	86	-13.23	-2.79	-0.55	0.0	-2.14e-03	1.35e-03
612	87	11.39	4.17	0.38	0.0	1.87e-03	-1.23e-03
612	114	-22.10	-4.85	-0.87	0.0	-3.57e-03	2.12e-03
612	118	-22.10	-4.71	-0.87	0.0	-3.58e-03	2.26e-03
612	119	20.52	6.59	0.72	0.0	3.35e-03	-2.28e-03
612	145	-0.02	0.67	-0.06	0.0	4.77e-06	-4.98e-06
612	146	-0.01	0.70	-0.07	0.0	4.69e-06	-3.85e-06
612	147	1.95e-03	0.43	-0.08	0.0	1.78e-06	2.02e-06
612	151	-0.01	0.58	-0.06	0.0	3.92e-06	-3.56e-06
612	152	-2.42e-03	0.38	-0.07	0.0	1.90e-06	0.0
612	155	-3.51e-03	0.36	-0.06	0.0	1.93e-06	0.0
612	156	-0.01	0.55	-0.06	0.0	3.63e-06	-3.09e-06
613	3	-0.02	1.12	0.01	-2.77e-04	0.0	-1.18e-05
613	4	-0.02	1.18	9.53e-03	-2.92e-04	0.0	-7.84e-06
613	9	6.27e-03	0.71	-0.04	-1.74e-04	0.0	8.98e-06
613	18	-18.52	-4.04	-1.03	3.35e-04	0.0	1.52e-03
613	21	-18.53	-2.33	-0.93	1.93e-04	0.0	1.77e-03
613	23	16.76	5.77	0.97	-6.77e-04	0.0	-1.62e-03
613	50	-15.85	-3.53	-0.89	2.89e-04	0.0	1.27e-03
613	53	-15.85	-1.75	-0.79	1.40e-04	0.0	1.53e-03
613	55	13.65	5.04	0.79	-6.11e-04	0.0	-1.28e-03
613	82	-13.79	-3.01	-0.78	2.34e-04	0.0	1.10e-03
613	85	-13.79	-1.42	-0.68	1.01e-04	0.0	1.33e-03
613	87	11.84	4.49	0.69	-5.55e-04	0.0	-1.11e-03
613	114	-23.03	-5.11	-1.28	4.46e-04	0.0	1.91e-03
613	117	-23.03	-3.11	-1.16	2.81e-04	0.0	2.19e-03
613	119	21.26	7.06	1.23	-8.04e-04	0.0	-2.07e-03
613	145	-0.02	0.78	4.89e-03	-1.94e-04	0.0	-7.64e-06
613	146	-0.01	0.82	1.86e-03	-2.04e-04	0.0	-5.01e-06
613	147	4.13e-03	0.51	-0.03	-1.25e-04	0.0	6.20e-06
613	151	-0.01	0.68	-4.37e-03	-1.67e-04	0.0	-5.06e-06
613	152	-9.29e-04	0.44	-0.03	-1.09e-04	0.0	2.00e-06
613	155	-2.19e-03	0.43	-0.03	-1.05e-04	0.0	0.0

613	156	-0.01	0.64	-7.45e-03	-1.58e-04	0.0	-4.20e-06
614	3	-0.02	1.12	-0.08	0.0	8.44e-06	-5.19e-06
614	4	-0.02	1.18	-0.10	0.0	7.85e-06	-3.70e-06
614	9	4.46e-03	0.71	-0.11	0.0	1.49e-06	3.12e-06
614	18	-19.44	-4.04	-0.73	0.0	-2.75e-03	1.72e-03
614	22	-19.44	-3.92	-0.73	0.0	-2.88e-03	1.84e-03
614	23	17.69	5.77	0.57	0.0	2.52e-03	-1.82e-03
614	54	-16.62	-3.42	-0.63	0.0	-2.47e-03	1.58e-03
614	55	14.38	5.04	0.45	0.0	2.01e-03	-1.45e-03
614	86	-14.46	-2.91	-0.56	0.0	-2.14e-03	1.38e-03
614	87	12.46	4.49	0.38	0.0	1.74e-03	-1.26e-03
614	114	-24.17	-5.11	-0.89	0.0	-3.43e-03	2.15e-03
614	118	-24.17	-4.96	-0.89	0.0	-3.58e-03	2.29e-03
614	119	22.46	7.06	0.74	0.0	3.21e-03	-2.32e-03
614	145	-0.01	0.78	-0.06	0.0	5.75e-06	-3.39e-06
614	146	-0.01	0.82	-0.07	0.0	5.36e-06	-2.40e-06
614	147	2.89e-03	0.51	-0.08	0.0	1.12e-06	2.15e-06
614	151	-0.01	0.68	-0.06	0.0	4.60e-06	-2.32e-06
614	152	-1.28e-03	0.44	-0.07	0.0	1.74e-06	0.0
614	155	-2.32e-03	0.43	-0.06	0.0	1.90e-06	0.0
614	156	-9.18e-03	0.64	-0.06	0.0	4.21e-06	-1.97e-06
615	3	-0.02	1.28	0.01	-2.78e-04	0.0	-7.24e-06
615	4	-0.01	1.35	9.42e-03	-2.93e-04	0.0	-2.33e-06
615	9	6.97e-03	0.81	-0.04	-1.77e-04	0.0	1.39e-05
615	18	-20.19	-4.23	-1.05	3.35e-04	0.0	1.51e-03
615	21	-20.20	-2.44	-0.95	1.98e-04	0.0	1.75e-03
615	23	18.29	6.16	0.99	-6.78e-04	0.0	-1.62e-03
615	50	-17.27	-3.69	-0.91	2.88e-04	0.0	1.27e-03
615	53	-17.28	-1.83	-0.80	1.45e-04	0.0	1.52e-03
615	55	14.89	5.39	0.81	-6.11e-04	0.0	-1.29e-03
615	82	-15.03	-3.14	-0.79	2.34e-04	0.0	1.10e-03
615	85	-15.03	-1.48	-0.70	1.05e-04	0.0	1.32e-03
615	87	12.91	4.80	0.70	-5.55e-04	0.0	-1.11e-03
615	114	-25.10	-5.36	-1.30	4.46e-04	0.0	1.90e-03
615	117	-25.11	-3.28	-1.18	2.87e-04	0.0	2.17e-03
615	119	23.21	7.52	1.25	-8.06e-04	0.0	-2.08e-03
615	145	-0.01	0.89	5.04e-03	-1.94e-04	0.0	-4.44e-06
615	146	-8.29e-03	0.94	1.69e-03	-2.05e-04	0.0	-1.17e-06
615	147	4.67e-03	0.58	-0.03	-1.27e-04	0.0	9.62e-06
615	151	-8.01e-03	0.77	-4.46e-03	-1.68e-04	0.0	-2.18e-06
615	152	2.41e-04	0.51	-0.03	-1.11e-04	0.0	4.39e-06
615	155	-8.68e-04	0.49	-0.03	-1.07e-04	0.0	3.09e-06
615	156	-6.99e-03	0.73	-7.62e-03	-1.59e-04	0.0	-1.43e-06
616	3	-0.02	1.28	-0.09	0.0	9.21e-06	-2.80e-06
616	4	-0.01	1.35	-0.10	0.0	8.11e-06	-1.53e-06
616	9	5.03e-03	0.81	-0.11	0.0	0.0	3.26e-06
616	18	-21.10	-4.23	-0.74	0.0	-2.74e-03	1.70e-03
616	22	-21.10	-4.10	-0.74	0.0	-2.74e-03	1.83e-03
616	23	19.22	6.16	0.58	0.0	2.52e-03	-1.81e-03
616	54	-18.03	-3.57	-0.65	0.0	-2.32e-03	1.57e-03
616	55	15.61	5.39	0.46	0.0	2.01e-03	-1.45e-03
616	86	-15.68	-3.04	-0.57	0.0	-2.01e-03	1.37e-03
616	87	13.54	4.80	0.39	0.0	1.74e-03	-1.25e-03
616	114	-26.23	-5.36	-0.90	0.0	-3.42e-03	2.13e-03
616	118	-26.24	-5.21	-0.90	0.0	-3.42e-03	2.27e-03
616	119	24.41	7.52	0.75	0.0	3.21e-03	-2.31e-03
616	145	-0.01	0.89	-0.07	0.0	6.24e-06	-1.78e-06
616	146	-7.86e-03	0.94	-0.07	0.0	5.51e-06	0.0
616	147	3.33e-03	0.58	-0.08	0.0	0.0	2.26e-06
616	151	-7.46e-03	0.77	-0.07	0.0	4.86e-06	-1.07e-06
616	152	-3.20e-04	0.51	-0.07	0.0	1.36e-06	0.0
616	155	-1.23e-03	0.49	-0.07	0.0	1.66e-06	0.0
616	156	-6.57e-03	0.73	-0.07	0.0	4.41e-06	0.0
617	3	-9.77e-03	1.44	0.01	-2.81e-04	0.0	0.0
617	4	-6.48e-03	1.52	8.55e-03	-2.98e-04	0.0	5.16e-06
617	9	6.87e-03	0.91	-0.05	-1.84e-04	0.0	1.85e-05
617	18	-21.88	-4.42	-1.06	3.29e-04	0.0	1.53e-03
617	21	-21.88	-2.55	-0.96	1.99e-04	0.0	1.73e-03
617	23	19.84	6.55	1.00	-6.76e-04	0.0	-1.65e-03
617	50	-18.71	-3.86	-0.92	2.82e-04	0.0	1.28e-03
617	53	-18.71	-1.91	-0.81	1.45e-04	0.0	1.50e-03
617	55	16.14	5.74	0.82	-6.09e-04	0.0	-1.31e-03
617	82	-16.27	-3.28	-0.80	2.28e-04	0.0	1.12e-03
617	85	-16.28	-1.54	-0.71	1.05e-04	0.0	1.30e-03
617	87	14.00	5.12	0.71	-5.53e-04	0.0	-1.14e-03

617	114	-27.20	-5.62	-1.32	4.40e-04	0.0	1.91e-03
617	117	-27.20	-3.44	-1.20	2.88e-04	0.0	2.14e-03
617	119	25.18	7.98	1.27	-8.03e-04	0.0	-2.10e-03
617	145	-6.42e-03	1.01	4.75e-03	-1.97e-04	0.0	0.0
617	146	-4.23e-03	1.06	1.02e-03	-2.08e-04	0.0	4.01e-06
617	147	4.68e-03	0.65	-0.03	-1.32e-04	0.0	1.29e-05
617	151	-4.40e-03	0.87	-4.91e-03	-1.70e-04	0.0	1.92e-06
617	152	1.17e-03	0.57	-0.03	-1.14e-04	0.0	7.05e-06
617	155	2.98e-04	0.55	-0.03	-1.09e-04	0.0	5.58e-06
617	156	-3.73e-03	0.82	-8.13e-03	-1.62e-04	0.0	2.44e-06
618	3	-9.58e-03	1.44	-0.09	0.0	9.42e-06	0.0
618	4	-6.96e-03	1.52	-0.10	0.0	7.79e-06	0.0
618	9	4.68e-03	0.91	-0.12	0.0	-1.49e-06	3.36e-06
618	18	-22.76	-4.42	-0.75	0.0	-2.74e-03	1.66e-03
618	22	-22.76	-4.29	-0.75	0.0	-2.74e-03	1.79e-03
618	23	20.75	6.55	0.58	0.0	2.51e-03	-1.78e-03
618	50	-19.45	-3.86	-0.66	0.0	-2.31e-03	1.40e-03
618	54	-19.45	-3.73	-0.66	0.0	-2.31e-03	1.54e-03
618	55	16.85	5.74	0.46	0.0	2.01e-03	-1.43e-03
618	82	-16.91	-3.28	-0.58	0.0	-2.01e-03	1.22e-03
618	86	-16.91	-3.16	-0.58	0.0	-2.01e-03	1.34e-03
618	87	14.61	5.12	0.39	0.0	1.74e-03	-1.24e-03
618	114	-28.30	-5.62	-0.92	0.0	-3.41e-03	2.07e-03
618	118	-28.30	-5.46	-0.92	0.0	-3.42e-03	2.22e-03
618	119	26.35	7.98	0.76	0.0	3.21e-03	-2.27e-03
618	145	-6.36e-03	1.01	-0.07	0.0	6.34e-06	0.0
618	146	-4.61e-03	1.06	-0.08	0.0	5.25e-06	0.0
618	147	3.15e-03	0.65	-0.09	0.0	0.0	2.35e-06
618	151	-4.55e-03	0.87	-0.07	0.0	4.81e-06	0.0
618	152	3.55e-04	0.57	-0.07	0.0	0.0	1.23e-06
618	155	-3.44e-04	0.55	-0.07	0.0	1.25e-06	0.0
618	156	-3.95e-03	0.82	-0.07	0.0	4.30e-06	0.0
619	4	-1.17e-03	1.70	5.83e-03	-3.03e-04	0.0	7.93e-06
619	9	5.39e-03	1.02	-0.05	-1.93e-04	0.0	1.62e-05
619	18	-23.57	-4.61	-1.07	3.24e-04	0.0	1.53e-03
619	23	21.40	6.94	1.00	-6.74e-04	0.0	-1.67e-03
619	50	-20.16	-4.02	-0.92	2.75e-04	0.0	1.29e-03
619	55	17.41	6.08	0.82	-6.05e-04	0.0	-1.34e-03
619	82	-17.53	-3.40	-0.81	2.21e-04	0.0	1.12e-03
619	87	15.10	5.43	0.71	-5.50e-04	0.0	-1.16e-03
619	114	-29.31	-5.87	-1.33	4.34e-04	0.0	1.91e-03
619	119	27.15	8.45	1.27	-8.00e-04	0.0	-2.13e-03
619	146	-6.58e-04	1.18	-9.33e-04	-2.12e-04	0.0	5.81e-06
619	147	3.71e-03	0.73	-0.04	-1.38e-04	0.0	1.13e-05
619	151	-1.09e-03	0.97	-6.26e-03	-1.73e-04	0.0	3.67e-06
619	152	1.57e-03	0.64	-0.03	-1.17e-04	0.0	6.66e-06
619	155	1.04e-03	0.61	-0.03	-1.12e-04	0.0	5.50e-06
619	156	-7.83e-04	0.92	-9.51e-03	-1.64e-04	0.0	3.93e-06
620	4	-2.56e-03	1.70	-0.11	0.0	7.01e-06	1.75e-06
620	7	-4.06e-03	1.33	-0.07	0.0	8.64e-06	0.0
620	9	3.24e-03	1.02	-0.13	0.0	-3.12e-06	2.98e-06
620	18	-24.41	-4.61	-0.76	0.0	-2.73e-03	1.60e-03
620	23	22.28	6.94	0.59	0.0	2.51e-03	-1.74e-03
620	50	-20.86	-4.02	-0.66	0.0	-2.31e-03	1.35e-03
620	54	-20.86	-3.88	-0.66	0.0	-2.31e-03	1.50e-03
620	55	18.09	6.08	0.47	0.0	2.01e-03	-1.40e-03
620	82	-18.14	-3.40	-0.59	0.0	-2.01e-03	1.18e-03
620	86	-18.14	-3.28	-0.59	0.0	-2.01e-03	1.31e-03
620	87	15.68	5.43	0.39	0.0	1.74e-03	-1.21e-03
620	114	-30.35	-5.87	-0.93	0.0	-3.41e-03	1.99e-03
620	119	28.29	8.45	0.76	0.0	3.20e-03	-2.22e-03
620	145	-2.65e-03	1.12	-0.07	0.0	6.09e-06	0.0
620	146	-1.66e-03	1.18	-0.08	0.0	4.69e-06	1.27e-06
620	147	2.21e-03	0.73	-0.09	0.0	-2.07e-06	2.09e-06
620	151	-1.78e-03	0.97	-0.07	0.0	4.48e-06	0.0
620	152	6.29e-04	0.64	-0.08	0.0	0.0	1.30e-06
620	155	2.33e-04	0.61	-0.07	0.0	0.0	1.10e-06
620	156	-1.50e-03	0.92	-0.07	0.0	3.95e-06	0.0
621	4	2.80e-03	1.88	9.76e-04	-1.53e-04	3.69e-06	5.42e-06
621	9	1.71e-03	1.14	-0.06	-9.84e-05	-2.61e-06	4.19e-06
621	15	25.27	6.83	1.05	-3.27e-04	1.40e-03	-1.52e-03
621	18	-25.27	-4.80	-1.07	1.62e-04	-1.39e-03	1.53e-03
621	23	22.96	7.33	1.00	-3.37e-04	1.28e-03	-1.69e-03
621	47	21.61	6.21	0.91	-3.02e-04	1.18e-03	-1.29e-03
621	50	-21.60	-4.17	-0.93	1.37e-04	-1.18e-03	1.30e-03

621	55	18.67	6.43	0.82	-3.02e-04	1.02e-03	-1.36e-03
621	79	18.79	5.56	0.79	-2.75e-04	1.03e-03	-1.12e-03
621	82	-18.79	-3.53	-0.81	1.10e-04	-1.02e-03	-1.13e-03
621	87	16.19	5.75	0.71	-2.74e-04	8.85e-04	-1.18e-03
621	111	31.42	8.15	1.31	-3.83e-04	1.74e-03	-1.90e-03
621	114	-31.42	-6.12	-1.33	2.17e-04	-1.74e-03	-1.91e-03
621	119	29.13	8.91	1.27	-4.00e-04	1.63e-03	-2.15e-03
621	146	1.96e-03	1.31	-4.39e-03	-1.07e-04	2.44e-06	3.81e-06
621	147	1.23e-03	0.82	-0.04	-7.05e-05	-1.75e-06	2.99e-06
621	151	1.61e-03	1.07	-8.70e-03	-8.70e-05	2.44e-06	3.06e-06
621	152	1.07e-03	0.71	-0.03	-5.96e-05	0.0	2.37e-06
621	155	1.04e-03	0.68	-0.03	-5.68e-05	0.0	2.21e-06
621	156	1.53e-03	1.02	-0.01	-8.27e-05	2.11e-06	2.94e-06
622	4	1.03e-03	1.88	-0.12	0.0	6.26e-06	2.04e-06
622	9	6.94e-04	1.14	-0.14	0.0	-4.16e-06	1.36e-06
622	15	26.06	6.83	0.61	0.0	2.74e-03	-1.53e-03
622	18	-26.06	-4.79	-0.77	0.0	-2.73e-03	1.53e-03
622	23	23.81	7.33	0.58	0.0	2.51e-03	-1.70e-03
622	47	22.27	6.21	0.52	0.0	2.32e-03	-1.30e-03
622	54	-22.27	-4.03	-0.67	0.0	-2.31e-03	1.46e-03
622	55	19.33	6.43	0.46	0.0	2.01e-03	-1.37e-03
622	79	19.37	5.56	0.44	0.0	2.01e-03	-1.13e-03
622	86	-19.36	-3.40	-0.59	0.0	-2.01e-03	1.28e-03
622	87	16.76	5.75	0.39	0.0	1.74e-03	-1.19e-03
622	111	32.41	8.15	0.78	0.0	3.41e-03	-1.91e-03
622	114	-32.41	-6.12	-0.93	0.0	-3.41e-03	1.91e-03
622	119	30.23	8.91	0.76	0.0	3.20e-03	-2.16e-03
622	146	7.23e-04	1.31	-0.09	0.0	4.15e-06	1.43e-06
622	147	4.98e-04	0.82	-0.10	0.0	-2.79e-06	0.0
622	151	5.90e-04	1.07	-0.08	0.0	4.11e-06	1.17e-06
622	152	4.18e-04	0.71	-0.08	0.0	0.0	0.0
622	155	3.98e-04	0.68	-0.08	0.0	0.0	0.0
622	156	5.63e-04	1.02	-0.08	0.0	3.57e-06	1.11e-06
623	3	-0.02	0.96	-0.16	0.0	4.74e-06	-7.80e-06
623	4	-0.02	1.01	-0.18	0.0	4.76e-06	-6.20e-06
623	11	-9.77e-03	0.93	-0.18	0.0	3.96e-06	-2.49e-06
623	17	-18.66	-2.10	-0.50	0.0	-2.92e-03	1.78e-03
623	22	-18.66	-3.73	-0.53	0.0	-2.92e-03	1.78e-03
623	23	16.39	5.39	0.29	0.0	2.56e-03	-1.76e-03
623	49	-15.95	-1.56	-0.43	0.0	-2.50e-03	1.53e-03
623	54	-15.95	-3.26	-0.47	0.0	-2.50e-03	1.53e-03
623	55	13.12	4.70	0.22	0.0	2.05e-03	-1.41e-03
623	81	-13.87	-1.27	-0.39	0.0	-2.17e-03	1.33e-03
623	86	-13.87	-2.79	-0.42	0.0	-2.17e-03	1.33e-03
623	87	11.35	4.17	0.18	0.0	1.77e-03	-1.22e-03
623	113	-23.21	-2.82	-0.59	0.0	-3.62e-03	2.21e-03
623	118	-23.21	-4.71	-0.63	0.0	-3.63e-03	2.22e-03
623	119	20.91	6.60	0.40	0.0	3.26e-03	-2.25e-03
623	145	-0.01	0.67	-0.12	0.0	3.27e-06	-5.17e-06
623	146	-0.01	0.70	-0.13	0.0	3.28e-06	-4.11e-06
623	149	-6.71e-03	0.65	-0.13	0.0	2.75e-06	-1.63e-06
623	151	-0.01	0.58	-0.11	0.0	2.72e-06	-3.77e-06
623	154	-9.05e-03	0.56	-0.11	0.0	2.55e-06	-2.87e-06
623	156	-9.91e-03	0.55	-0.11	0.0	2.54e-06	-3.30e-06
624	3	-0.02	1.12	-0.17	0.0	6.27e-06	-5.09e-06
624	4	-0.01	1.18	-0.18	0.0	5.88e-06	-3.74e-06
624	11	-7.17e-03	1.08	-0.19	0.0	4.24e-06	0.0
624	17	-20.33	-2.20	-0.51	0.0	-2.88e-03	1.79e-03
624	22	-20.33	-3.92	-0.55	0.0	-2.88e-03	1.80e-03
624	23	17.88	5.77	0.30	0.0	2.53e-03	-1.78e-03
624	49	-17.37	-1.63	-0.45	0.0	-2.47e-03	1.54e-03
624	54	-17.37	-3.42	-0.48	0.0	-2.47e-03	1.55e-03
624	55	14.29	5.04	0.23	0.0	2.03e-03	-1.42e-03
624	81	-15.11	-1.32	-0.40	0.0	-2.15e-03	1.34e-03
624	86	-15.11	-2.91	-0.44	0.0	-2.15e-03	1.34e-03
624	87	12.37	4.49	0.18	0.0	1.75e-03	-1.23e-03
624	113	-25.29	-2.97	-0.61	0.0	-3.58e-03	2.23e-03
624	118	-25.29	-4.96	-0.65	0.0	-3.58e-03	2.23e-03
624	119	22.80	7.06	0.41	0.0	3.23e-03	-2.27e-03
624	145	-0.01	0.78	-0.12	0.0	4.29e-06	-3.33e-06
624	146	-9.87e-03	0.82	-0.13	0.0	4.03e-06	-2.44e-06
624	149	-4.91e-03	0.76	-0.14	0.0	2.93e-06	0.0
624	151	-9.09e-03	0.68	-0.11	0.0	3.45e-06	-2.32e-06
624	154	-7.30e-03	0.66	-0.11	0.0	3.07e-06	-1.62e-06
624	156	-8.13e-03	0.64	-0.11	0.0	3.17e-06	-1.98e-06

625	3	-0.01	1.28	-0.17	0.0	7.26e-06	-2.78e-06
625	4	-0.01	1.35	-0.19	0.0	6.39e-06	-1.73e-06
625	11	-4.68e-03	1.24	-0.19	0.0	3.91e-06	0.0
625	17	-21.98	-2.31	-0.52	0.0	-2.85e-03	1.78e-03
625	22	-21.98	-4.10	-0.56	0.0	-2.85e-03	1.78e-03
625	23	19.34	6.16	0.31	0.0	2.50e-03	-1.77e-03
625	49	-18.77	-1.71	-0.46	0.0	-2.45e-03	1.53e-03
625	54	-18.77	-3.57	-0.50	0.0	-2.45e-03	1.53e-03
625	55	15.46	5.39	0.23	0.0	2.00e-03	-1.42e-03
625	81	-16.33	-1.37	-0.41	0.0	-2.13e-03	1.33e-03
625	86	-16.33	-3.04	-0.45	0.0	-2.13e-03	1.33e-03
625	87	13.38	4.80	0.19	0.0	1.74e-03	-1.23e-03
625	113	-27.34	-3.12	-0.62	0.0	-3.54e-03	2.21e-03
625	118	-27.34	-5.21	-0.67	0.0	-3.54e-03	2.21e-03
625	119	24.67	7.52	0.42	0.0	3.19e-03	-2.26e-03
625	145	-9.20e-03	0.89	-0.12	0.0	4.93e-06	-1.78e-06
625	146	-7.35e-03	0.94	-0.13	0.0	4.35e-06	-1.08e-06
625	149	-3.19e-03	0.87	-0.14	0.0	2.69e-06	0.0
625	151	-6.90e-03	0.77	-0.12	0.0	3.86e-06	-1.13e-06
625	154	-5.39e-03	0.75	-0.12	0.0	3.26e-06	0.0
625	156	-6.13e-03	0.73	-0.11	0.0	3.50e-06	0.0
626	3	-9.20e-03	1.44	-0.17	0.0	7.91e-06	0.0
626	4	-7.08e-03	1.52	-0.19	0.0	6.55e-06	0.0
626	11	-2.55e-03	1.39	-0.20	0.0	3.29e-06	1.10e-06
626	17	-23.61	-2.42	-0.53	0.0	-2.83e-03	1.75e-03
626	22	-23.61	-4.29	-0.57	0.0	-2.83e-03	1.75e-03
626	23	20.78	6.55	0.31	0.0	2.49e-03	-1.75e-03
626	49	-20.17	-1.78	-0.46	0.0	-2.43e-03	1.51e-03
626	54	-20.16	-3.73	-0.50	0.0	-2.43e-03	1.51e-03
626	55	16.61	5.74	0.23	0.0	1.99e-03	-1.40e-03
626	81	-17.54	-1.42	-0.42	0.0	-2.11e-03	1.31e-03
626	86	-17.54	-3.16	-0.45	0.0	-2.11e-03	1.32e-03
626	87	14.37	5.12	0.19	0.0	1.72e-03	-1.22e-03
626	113	-29.37	-3.28	-0.63	0.0	-3.51e-03	2.17e-03
626	118	-29.37	-5.46	-0.68	0.0	-3.51e-03	2.17e-03
626	119	26.51	7.98	0.43	0.0	3.17e-03	-2.23e-03
626	145	-6.16e-03	1.01	-0.13	0.0	5.33e-06	0.0
626	146	-4.75e-03	1.06	-0.14	0.0	4.43e-06	0.0
626	149	-1.73e-03	0.98	-0.14	0.0	2.26e-06	0.0
626	151	-4.55e-03	0.87	-0.12	0.0	4.07e-06	0.0
626	154	-3.45e-03	0.85	-0.12	0.0	3.28e-06	0.0
626	156	-4.01e-03	0.82	-0.12	0.0	3.65e-06	0.0
627	3	-4.42e-03	1.61	-0.18	0.0	8.28e-06	0.0
627	4	-3.25e-03	1.70	-0.20	0.0	6.56e-06	0.0
627	11	-8.66e-04	1.56	-0.21	0.0	2.74e-06	1.46e-06
627	17	-25.24	-2.52	-0.54	0.0	-2.81e-03	1.71e-03
627	22	-25.23	-4.47	-0.57	0.0	-2.81e-03	1.71e-03
627	23	22.22	6.94	0.31	0.0	2.48e-03	-1.72e-03
627	49	-21.55	-1.86	-0.47	0.0	-2.42e-03	1.48e-03
627	54	-21.55	-3.88	-0.51	0.0	-2.41e-03	1.48e-03
627	55	17.76	6.08	0.23	0.0	1.98e-03	-1.39e-03
627	81	-18.74	-1.48	-0.42	0.0	-2.10e-03	1.29e-03
627	86	-18.74	-3.28	-0.46	0.0	-2.10e-03	1.29e-03
627	87	15.37	5.43	0.19	0.0	1.72e-03	-1.20e-03
627	113	-31.39	-3.44	-0.64	0.0	-3.49e-03	2.12e-03
627	118	-31.39	-5.70	-0.68	0.0	-3.49e-03	2.12e-03
627	119	28.35	8.45	0.43	0.0	3.16e-03	-2.19e-03
627	145	-2.94e-03	1.12	-0.13	0.0	5.56e-06	0.0
627	146	-2.17e-03	1.18	-0.14	0.0	4.41e-06	0.0
627	149	-5.74e-04	1.09	-0.15	0.0	1.87e-06	1.04e-06
627	151	-2.13e-03	0.97	-0.12	0.0	4.16e-06	0.0
627	154	-1.55e-03	0.94	-0.12	0.0	3.24e-06	0.0
627	156	-1.86e-03	0.92	-0.12	0.0	3.70e-06	0.0
628	4	6.08e-04	1.88	-0.21	0.0	6.64e-06	1.23e-06
628	11	5.78e-04	1.73	-0.23	0.0	2.55e-06	1.21e-06
628	16	26.85	4.66	0.29	0.0	2.81e-03	-1.67e-03
628	22	-26.85	-4.64	-0.58	0.0	-2.80e-03	1.68e-03
628	23	23.66	7.33	0.31	0.0	2.47e-03	-1.69e-03
628	48	22.93	3.97	0.23	0.0	2.42e-03	-1.46e-03
628	54	-22.93	-4.03	-0.52	0.0	-2.41e-03	1.46e-03
628	55	18.90	6.43	0.23	0.0	1.98e-03	-1.37e-03
628	80	19.94	3.56	0.18	0.0	2.10e-03	-1.27e-03
628	86	-19.94	-3.40	-0.47	0.0	-2.10e-03	1.27e-03
628	87	16.36	5.75	0.18	0.0	1.72e-03	-1.19e-03
628	112	33.40	5.63	0.40	0.0	3.49e-03	-2.07e-03

628	118	-33.40	-5.94	-0.69	0.0	-3.48e-03	2.07e-03
628	119	30.18	8.91	0.42	0.0	3.15e-03	-2.16e-03
628	146	4.27e-04	1.31	-0.15	0.0	4.46e-06	0.0
628	149	4.08e-04	1.21	-0.16	0.0	1.74e-06	0.0
628	151	3.52e-04	1.07	-0.13	0.0	4.25e-06	0.0
628	154	3.47e-04	1.04	-0.13	0.0	3.26e-06	0.0
628	156	3.36e-04	1.02	-0.13	0.0	3.77e-06	0.0
629	3	-0.02	0.96	-0.24	0.0	2.29e-06	-7.56e-06
629	4	-0.01	1.01	-0.26	0.0	2.47e-06	-6.09e-06
629	17	-19.53	-2.10	-0.44	0.0	-2.95e-03	1.73e-03
629	22	-19.52	-3.73	-0.46	0.0	-2.95e-03	1.73e-03
629	23	17.35	5.39	0.14	0.0	2.59e-03	-1.72e-03
629	49	-16.67	-1.56	-0.39	0.0	-2.53e-03	1.49e-03
629	54	-16.67	-3.26	-0.41	0.0	-2.53e-03	1.49e-03
629	55	13.88	4.70	0.08	0.0	2.08e-03	-1.38e-03
629	81	-14.50	-1.27	-0.36	0.0	-2.20e-03	1.29e-03
629	86	-14.50	-2.79	-0.38	0.0	-2.20e-03	1.29e-03
629	87	12.01	4.17	0.05	0.0	1.80e-03	-1.19e-03
629	113	-24.29	-2.82	-0.51	0.0	-3.66e-03	2.15e-03
629	118	-24.29	-4.71	-0.53	0.0	-3.66e-03	2.15e-03
629	119	22.13	6.60	0.21	0.0	3.31e-03	-2.19e-03
629	145	-0.01	0.67	-0.17	0.0	1.60e-06	-5.03e-06
629	146	-9.90e-03	0.70	-0.18	0.0	1.72e-06	-4.05e-06
629	151	-8.95e-03	0.58	-0.15	0.0	1.38e-06	-3.70e-06
629	154	-7.46e-03	0.56	-0.16	0.0	1.36e-06	-2.87e-06
629	156	-8.10e-03	0.55	-0.15	0.0	1.31e-06	-3.26e-06
630	3	-0.02	1.12	-0.24	0.0	3.98e-06	-4.70e-06
630	4	-0.01	1.18	-0.26	0.0	3.87e-06	-3.57e-06
630	17	-21.20	-2.20	-0.45	0.0	-2.88e-03	1.73e-03
630	22	-21.19	-3.92	-0.47	0.0	-2.88e-03	1.73e-03
630	23	18.84	5.77	0.14	0.0	2.53e-03	-1.72e-03
630	49	-18.09	-1.63	-0.40	0.0	-2.47e-03	1.49e-03
630	54	-18.09	-3.42	-0.42	0.0	-2.47e-03	1.49e-03
630	55	15.07	5.04	0.09	0.0	2.03e-03	-1.38e-03
630	81	-15.73	-1.32	-0.37	0.0	-2.15e-03	1.29e-03
630	86	-15.73	-2.91	-0.39	0.0	-2.15e-03	1.30e-03
630	87	13.04	4.49	0.05	0.0	1.76e-03	-1.19e-03
630	113	-26.37	-2.97	-0.52	0.0	-3.58e-03	2.15e-03
630	118	-26.37	-4.96	-0.55	0.0	-3.58e-03	2.15e-03
630	119	24.03	7.06	0.22	0.0	3.23e-03	-2.20e-03
630	145	-0.01	0.78	-0.17	0.0	2.74e-06	-3.09e-06
630	146	-8.56e-03	0.82	-0.19	0.0	2.66e-06	-2.34e-06
630	151	-7.86e-03	0.68	-0.16	0.0	2.25e-06	-2.19e-06
630	154	-6.41e-03	0.66	-0.16	0.0	2.05e-06	-1.58e-06
630	156	-7.07e-03	0.64	-0.15	0.0	2.09e-06	-1.88e-06
631	3	-0.01	1.28	-0.25	0.0	5.47e-06	-2.71e-06
631	4	-9.96e-03	1.35	-0.27	0.0	4.90e-06	-1.96e-06
631	11	-4.69e-03	1.24	-0.27	0.0	3.15e-06	0.0
631	17	-22.83	-2.31	-0.46	0.0	-2.83e-03	1.71e-03
631	22	-22.83	-4.10	-0.48	0.0	-2.83e-03	1.71e-03
631	23	20.29	6.16	0.15	0.0	2.49e-03	-1.71e-03
631	49	-19.48	-1.71	-0.41	0.0	-2.44e-03	1.47e-03
631	54	-19.48	-3.57	-0.43	0.0	-2.44e-03	1.48e-03
631	55	16.22	5.39	0.09	0.0	2.00e-03	-1.37e-03
631	81	-16.94	-1.37	-0.38	0.0	-2.12e-03	1.28e-03
631	86	-16.94	-3.04	-0.40	0.0	-2.12e-03	1.29e-03
631	87	14.04	4.80	0.06	0.0	1.73e-03	-1.19e-03
631	113	-28.40	-3.12	-0.54	0.0	-3.52e-03	2.12e-03
631	118	-28.40	-5.21	-0.56	0.0	-3.52e-03	2.13e-03
631	119	25.88	7.52	0.23	0.0	3.17e-03	-2.19e-03
631	145	-8.27e-03	0.89	-0.18	0.0	3.73e-06	-1.76e-06
631	146	-6.74e-03	0.94	-0.19	0.0	3.34e-06	-1.26e-06
631	149	-3.22e-03	0.87	-0.19	0.0	2.18e-06	0.0
631	151	-6.29e-03	0.77	-0.16	0.0	2.95e-06	-1.20e-06
631	154	-5.02e-03	0.75	-0.16	0.0	2.54e-06	0.0
631	156	-5.63e-03	0.73	-0.16	0.0	2.70e-06	-1.01e-06
632	3	-8.63e-03	1.44	-0.25	0.0	6.60e-06	-1.33e-06
632	4	-6.83e-03	1.52	-0.27	0.0	5.51e-06	0.0
632	11	-2.86e-03	1.39	-0.28	0.0	2.88e-06	0.0
632	17	-24.44	-2.42	-0.47	0.0	-2.80e-03	1.70e-03
632	22	-24.44	-4.29	-0.49	0.0	-2.80e-03	1.70e-03
632	23	21.73	6.55	0.15	0.0	2.47e-03	-1.71e-03
632	49	-20.86	-1.78	-0.42	0.0	-2.41e-03	1.47e-03
632	54	-20.86	-3.73	-0.44	0.0	-2.41e-03	1.47e-03
632	55	17.37	5.74	0.09	0.0	1.98e-03	-1.37e-03

632	81	-18.14	-1.42	-0.39	0.0	-2.10e-03	1.28e-03
632	86	-18.14	-3.16	-0.40	0.0	-2.10e-03	1.28e-03
632	87	15.03	5.12	0.06	0.0	1.71e-03	-1.19e-03
632	113	-30.41	-3.28	-0.55	0.0	-3.48e-03	2.10e-03
632	118	-30.41	-5.46	-0.57	0.0	-3.48e-03	2.11e-03
632	119	27.71	7.98	0.23	0.0	3.14e-03	-2.17e-03
632	145	-5.81e-03	1.01	-0.18	0.0	4.47e-06	0.0
632	146	-4.61e-03	1.06	-0.20	0.0	3.74e-06	0.0
632	149	-1.96e-03	0.98	-0.20	0.0	1.98e-06	0.0
632	151	-4.37e-03	0.87	-0.16	0.0	3.44e-06	0.0
632	154	-3.41e-03	0.85	-0.17	0.0	2.80e-06	0.0
632	156	-3.89e-03	0.82	-0.16	0.0	3.09e-06	0.0
633	3	-4.46e-03	1.61	-0.25	0.0	7.30e-06	0.0
633	4	-3.46e-03	1.70	-0.28	0.0	5.81e-06	0.0
633	11	-1.32e-03	1.56	-0.28	0.0	2.52e-06	0.0
633	17	-26.05	-2.52	-0.48	0.0	-2.78e-03	1.68e-03
633	22	-26.05	-4.47	-0.50	0.0	-2.78e-03	1.68e-03
633	23	23.15	6.94	0.15	0.0	2.46e-03	-1.70e-03
633	49	-22.23	-1.86	-0.43	0.0	-2.40e-03	1.46e-03
633	54	-22.23	-3.88	-0.45	0.0	-2.40e-03	1.46e-03
633	55	18.50	6.08	0.09	0.0	1.97e-03	-1.37e-03
633	81	-19.33	-1.48	-0.39	0.0	-2.09e-03	1.27e-03
633	86	-19.33	-3.29	-0.41	0.0	-2.09e-03	1.27e-03
633	87	16.01	5.43	0.06	0.0	1.71e-03	-1.19e-03
633	113	-32.40	-3.44	-0.55	0.0	-3.46e-03	2.09e-03
633	118	-32.40	-5.70	-0.58	0.0	-3.46e-03	2.09e-03
633	119	29.54	8.45	0.23	0.0	3.13e-03	-2.16e-03
633	145	-3.00e-03	1.12	-0.18	0.0	4.92e-06	0.0
633	146	-2.33e-03	1.18	-0.20	0.0	3.93e-06	0.0
633	149	-8.99e-04	1.09	-0.20	0.0	1.73e-06	0.0
633	151	-2.23e-03	0.97	-0.17	0.0	3.71e-06	0.0
633	154	-1.71e-03	0.94	-0.17	0.0	2.91e-06	0.0
633	156	-1.98e-03	0.92	-0.16	0.0	3.31e-06	0.0
634	1	2.84e-05	0.94	-0.19	0.0	1.18e-06	0.0
634	4	2.12e-05	1.88	-0.30	0.0	5.93e-06	0.0
634	11	2.07e-05	1.73	-0.30	0.0	2.33e-06	0.0
634	16	27.64	4.66	0.14	0.0	2.78e-03	-1.67e-03
634	22	-27.64	-4.64	-0.50	0.0	-2.78e-03	1.67e-03
634	23	24.58	7.33	0.14	0.0	2.45e-03	-1.69e-03
634	48	23.59	3.96	0.09	0.0	2.40e-03	-1.46e-03
634	54	-23.59	-4.02	-0.46	0.0	-2.39e-03	1.46e-03
634	55	19.64	6.43	0.08	0.0	1.97e-03	-1.37e-03
634	80	20.52	3.56	0.06	0.0	2.09e-03	-1.27e-03
634	86	-20.51	-3.40	-0.42	0.0	-2.08e-03	1.27e-03
634	87	16.99	5.75	0.05	0.0	1.71e-03	-1.19e-03
634	112	34.39	5.62	0.22	0.0	3.45e-03	-2.07e-03
634	118	-34.39	-5.93	-0.58	0.0	-3.45e-03	2.07e-03
634	119	31.35	8.90	0.23	0.0	3.13e-03	-2.16e-03
634	143	2.22e-05	0.68	-0.14	0.0	0.0	0.0
634	146	1.74e-05	1.31	-0.21	0.0	4.00e-06	0.0
634	149	1.71e-05	1.21	-0.22	0.0	1.60e-06	0.0
634	150	2.22e-05	0.68	-0.14	0.0	0.0	0.0
634	151	1.98e-05	1.07	-0.18	0.0	3.83e-06	0.0
634	154	1.96e-05	1.05	-0.18	0.0	2.95e-06	0.0
634	155	2.22e-05	0.68	-0.14	0.0	0.0	0.0
634	156	2.02e-05	1.02	-0.17	0.0	3.40e-06	0.0
635	3	-0.01	0.96	-0.32	0.0	0.0	-6.54e-06
635	4	-0.01	1.01	-0.34	0.0	0.0	-5.26e-06
635	17	-20.36	-2.10	-0.47	0.0	-2.96e-03	1.65e-03
635	22	-20.35	-3.73	-0.47	0.0	-2.96e-03	1.65e-03
635	23	18.29	5.39	0.05	0.0	2.61e-03	-1.65e-03
635	49	-17.37	-1.56	-0.43	0.0	-2.54e-03	1.42e-03
635	54	-17.36	-3.26	-0.43	0.0	-2.54e-03	1.42e-03
635	55	14.63	4.70	-1.71e-03	0.0	2.09e-03	-1.32e-03
635	81	-15.10	-1.27	-0.40	0.0	-2.21e-03	1.24e-03
635	86	-15.10	-2.79	-0.40	0.0	-2.21e-03	1.24e-03
635	87	12.66	4.17	-0.03	0.0	1.81e-03	-1.14e-03
635	113	-25.33	-2.82	-0.54	0.0	-3.68e-03	2.05e-03
635	118	-25.33	-4.71	-0.54	0.0	-3.68e-03	2.05e-03
635	119	23.32	6.60	0.11	0.0	3.33e-03	-2.11e-03
635	145	-8.90e-03	0.67	-0.23	0.0	0.0	-4.36e-06
635	146	-7.79e-03	0.70	-0.24	0.0	0.0	-3.51e-06
635	151	-7.02e-03	0.58	-0.20	0.0	0.0	-3.22e-06
635	156	-6.40e-03	0.55	-0.20	0.0	0.0	-2.84e-06
636	3	-0.01	1.12	-0.33	0.0	1.89e-06	-3.95e-06

636	4	-0.01	1.18	-0.35	0.0	2.13e-06	-3.06e-06
636	17	-22.01	-2.20	-0.48	0.0	-2.87e-03	1.64e-03
636	22	-22.01	-3.92	-0.48	0.0	-2.87e-03	1.64e-03
636	23	19.77	5.77	0.05	0.0	2.53e-03	-1.64e-03
636	49	-18.78	-1.63	-0.44	0.0	-2.47e-03	1.41e-03
636	54	-18.77	-3.42	-0.44	0.0	-2.47e-03	1.41e-03
636	55	15.81	5.04	-7.90e-04	0.0	2.03e-03	-1.32e-03
636	81	-16.33	-1.32	-0.41	0.0	-2.15e-03	1.23e-03
636	86	-16.32	-2.91	-0.41	0.0	-2.15e-03	1.23e-03
636	87	13.68	4.49	-0.03	0.0	1.75e-03	-1.14e-03
636	113	-27.39	-2.97	-0.55	0.0	-3.56e-03	2.03e-03
636	118	-27.39	-4.96	-0.55	0.0	-3.57e-03	2.03e-03
636	119	25.21	7.06	0.12	0.0	3.22e-03	-2.10e-03
636	145	-8.67e-03	0.78	-0.23	0.0	1.33e-06	-2.60e-06
636	146	-7.38e-03	0.82	-0.25	0.0	1.49e-06	-2.01e-06
636	151	-6.76e-03	0.68	-0.21	0.0	1.17e-06	-1.86e-06
636	156	-6.13e-03	0.64	-0.20	0.0	1.12e-06	-1.61e-06
637	3	-0.01	1.28	-0.33	0.0	4.11e-06	-2.64e-06
637	4	-8.87e-03	1.35	-0.36	0.0	3.88e-06	-2.17e-06
637	17	-23.63	-2.31	-0.49	0.0	-2.82e-03	1.63e-03
637	22	-23.63	-4.10	-0.49	0.0	-2.82e-03	1.64e-03
637	23	21.21	6.16	0.05	0.0	2.48e-03	-1.65e-03
637	49	-20.16	-1.71	-0.45	0.0	-2.43e-03	1.41e-03
637	54	-20.15	-3.57	-0.45	0.0	-2.43e-03	1.41e-03
637	55	16.96	5.39	-6.03e-04	0.0	1.99e-03	-1.32e-03
637	81	-17.53	-1.37	-0.42	0.0	-2.12e-03	1.23e-03
637	86	-17.52	-3.04	-0.42	0.0	-2.12e-03	1.23e-03
637	87	14.68	4.80	-0.03	0.0	1.73e-03	-1.15e-03
637	113	-29.41	-3.12	-0.56	0.0	-3.51e-03	2.03e-03
637	118	-29.41	-5.21	-0.56	0.0	-3.51e-03	2.03e-03
637	119	27.05	7.52	0.12	0.0	3.17e-03	-2.10e-03
637	145	-7.36e-03	0.89	-0.24	0.0	2.83e-06	-1.74e-06
637	146	-6.03e-03	0.94	-0.25	0.0	2.67e-06	-1.43e-06
637	151	-5.65e-03	0.77	-0.21	0.0	2.31e-06	-1.26e-06
637	156	-5.08e-03	0.73	-0.21	0.0	2.14e-06	-1.10e-06
638	3	-7.83e-03	1.44	-0.34	0.0	5.55e-06	-1.79e-06
638	4	-6.14e-03	1.52	-0.37	0.0	4.70e-06	-1.66e-06
638	17	-25.24	-2.42	-0.50	0.0	-2.80e-03	1.64e-03
638	22	-25.24	-4.29	-0.50	0.0	-2.80e-03	1.64e-03
638	23	22.65	6.55	0.05	0.0	2.47e-03	-1.66e-03
638	49	-21.53	-1.78	-0.46	0.0	-2.41e-03	1.42e-03
638	54	-21.53	-3.73	-0.46	0.0	-2.41e-03	1.42e-03
638	55	18.10	5.74	-1.36e-03	0.0	1.98e-03	-1.34e-03
638	81	-18.72	-1.42	-0.43	0.0	-2.10e-03	1.24e-03
638	86	-18.72	-3.16	-0.43	0.0	-2.10e-03	1.24e-03
638	87	15.66	5.12	-0.03	0.0	1.72e-03	-1.16e-03
638	113	-31.41	-3.28	-0.57	0.0	-3.48e-03	2.04e-03
638	118	-31.40	-5.46	-0.57	0.0	-3.48e-03	2.04e-03
638	119	28.88	7.98	0.12	0.0	3.14e-03	-2.12e-03
638	145	-5.28e-03	1.01	-0.24	0.0	3.78e-06	-1.20e-06
638	146	-4.15e-03	1.06	-0.26	0.0	3.20e-06	-1.11e-06
638	151	-3.99e-03	0.87	-0.22	0.0	2.94e-06	0.0
638	156	-3.55e-03	0.82	-0.21	0.0	2.67e-06	0.0
639	3	-4.24e-03	1.61	-0.34	0.0	6.24e-06	0.0
639	4	-3.26e-03	1.69	-0.37	0.0	4.84e-06	0.0
639	17	-26.84	-2.52	-0.51	0.0	-2.79e-03	1.66e-03
639	22	-26.84	-4.47	-0.51	0.0	-2.79e-03	1.66e-03
639	23	24.07	6.94	0.05	0.0	2.46e-03	-1.68e-03
639	49	-22.90	-1.86	-0.47	0.0	-2.40e-03	1.44e-03
639	54	-22.89	-3.88	-0.47	0.0	-2.40e-03	1.44e-03
639	55	19.24	6.09	-3.83e-03	0.0	1.98e-03	-1.35e-03
639	81	-19.91	-1.48	-0.43	0.0	-2.09e-03	1.25e-03
639	86	-19.91	-3.29	-0.43	0.0	-2.09e-03	1.25e-03
639	87	16.65	5.43	-0.03	0.0	1.71e-03	-1.17e-03
639	113	-33.40	-3.44	-0.58	0.0	-3.46e-03	2.05e-03
639	118	-33.39	-5.70	-0.58	0.0	-3.46e-03	2.05e-03
639	119	30.70	8.45	0.12	0.0	3.13e-03	-2.13e-03
639	145	-2.85e-03	1.12	-0.25	0.0	4.21e-06	0.0
639	146	-2.20e-03	1.18	-0.27	0.0	3.27e-06	0.0
639	151	-2.13e-03	0.97	-0.22	0.0	3.16e-06	0.0
639	154	-1.63e-03	0.94	-0.22	0.0	2.44e-06	0.0
639	156	-1.89e-03	0.92	-0.21	0.0	2.82e-06	0.0
640	4	-4.39e-04	1.88	-0.39	0.0	4.82e-06	0.0
640	11	-4.19e-04	1.73	-0.39	0.0	1.43e-06	0.0
640	17	-28.44	-2.62	-0.52	0.0	-2.78e-03	1.67e-03

640	22	-28.43	-4.63	-0.52	0.0	-2.78e-03	1.67e-03
640	23	25.50	7.33	0.04	0.0	2.46e-03	-1.69e-03
640	49	-24.26	-1.92	-0.47	0.0	-2.40e-03	1.46e-03
640	54	-24.26	-4.02	-0.47	0.0	-2.40e-03	1.46e-03
640	55	20.38	6.43	-0.01	0.0	1.98e-03	-1.37e-03
640	81	-21.09	-1.52	-0.44	0.0	-2.09e-03	1.27e-03
640	86	-21.09	-3.40	-0.44	0.0	-2.09e-03	1.27e-03
640	87	17.63	5.75	-0.04	0.0	1.71e-03	-1.19e-03
640	113	-35.38	-3.58	-0.59	0.0	-3.45e-03	2.07e-03
640	118	-35.38	-5.93	-0.59	0.0	-3.45e-03	2.07e-03
640	119	32.52	8.90	0.11	0.0	3.13e-03	-2.15e-03
640	146	-3.04e-04	1.31	-0.28	0.0	3.24e-06	0.0
640	149	-2.91e-04	1.21	-0.28	0.0	0.0	0.0
640	151	-2.39e-04	1.08	-0.23	0.0	3.22e-06	0.0
640	154	-2.37e-04	1.05	-0.23	0.0	2.39e-06	0.0
640	156	-2.27e-04	1.02	-0.22	0.0	2.84e-06	0.0
641	3	-0.01	0.96	-0.43	0.0	-3.05e-06	-4.97e-06
641	4	-9.02e-03	1.01	-0.46	0.0	-2.37e-06	-3.98e-06
641	17	-21.13	-2.10	-0.58	0.0	-2.96e-03	1.53e-03
641	23	19.18	5.39	0.01	0.0	2.61e-03	-1.54e-03
641	49	-18.01	-1.56	-0.53	0.0	-2.54e-03	1.32e-03
641	55	15.35	4.70	-0.04	0.0	2.10e-03	-1.23e-03
641	81	-15.66	-1.27	-0.50	0.0	-2.21e-03	1.15e-03
641	87	13.28	4.17	-0.07	0.0	1.81e-03	-1.07e-03
641	113	-26.30	-2.82	-0.65	0.0	-3.68e-03	1.90e-03
641	119	24.45	6.60	0.09	0.0	3.33e-03	-1.96e-03
641	145	-6.90e-03	0.67	-0.30	0.0	-2.06e-06	-3.32e-06
641	146	-6.22e-03	0.71	-0.32	0.0	-1.60e-06	-2.66e-06
641	151	-5.56e-03	0.58	-0.27	0.0	-1.56e-06	-2.46e-06
641	156	-5.11e-03	0.55	-0.26	0.0	-1.39e-06	-2.17e-06
642	3	-0.01	1.12	-0.44	0.0	0.0	-3.33e-06
642	4	-9.52e-03	1.18	-0.47	0.0	1.03e-06	-2.65e-06
642	17	-22.77	-2.20	-0.59	0.0	-2.87e-03	1.54e-03
642	23	20.65	5.77	9.73e-03	0.0	2.52e-03	-1.56e-03
642	49	-19.41	-1.63	-0.54	0.0	-2.47e-03	1.33e-03
642	55	16.52	5.04	-0.05	0.0	2.03e-03	-1.25e-03
642	81	-16.87	-1.32	-0.51	0.0	-2.15e-03	1.16e-03
642	87	14.29	4.49	-0.08	0.0	1.75e-03	-1.08e-03
642	113	-28.34	-2.97	-0.67	0.0	-3.56e-03	1.91e-03
642	119	26.33	7.06	0.09	0.0	3.22e-03	-1.99e-03
642	145	-7.56e-03	0.78	-0.31	0.0	0.0	-2.21e-06
642	146	-6.53e-03	0.82	-0.33	0.0	0.0	-1.76e-06
642	151	-5.98e-03	0.68	-0.28	0.0	0.0	-1.61e-06
642	156	-5.45e-03	0.64	-0.27	0.0	0.0	-1.41e-06
643	3	-9.55e-03	1.28	-0.44	0.0	3.43e-06	-2.74e-06
643	4	-7.70e-03	1.35	-0.48	0.0	3.55e-06	-2.40e-06
643	17	-24.39	-2.31	-0.60	0.0	-2.84e-03	1.57e-03
643	23	22.10	6.16	7.65e-03	0.0	2.50e-03	-1.59e-03
643	49	-20.79	-1.71	-0.55	0.0	-2.45e-03	1.36e-03
643	55	17.67	5.39	-0.05	0.0	2.01e-03	-1.28e-03
643	81	-18.08	-1.37	-0.51	0.0	-2.13e-03	1.18e-03
643	87	15.29	4.80	-0.08	0.0	1.74e-03	-1.11e-03
643	113	-30.36	-3.12	-0.68	0.0	-3.52e-03	1.94e-03
643	119	28.18	7.52	0.08	0.0	3.18e-03	-2.03e-03
643	145	-6.48e-03	0.89	-0.32	0.0	2.39e-06	-1.84e-06
643	146	-5.25e-03	0.94	-0.34	0.0	2.47e-06	-1.61e-06
643	151	-4.99e-03	0.77	-0.28	0.0	2.05e-06	-1.40e-06
643	156	-4.49e-03	0.73	-0.27	0.0	1.94e-06	-1.25e-06
644	3	-6.72e-03	1.44	-0.45	0.0	4.80e-06	-2.22e-06
644	4	-4.98e-03	1.52	-0.48	0.0	4.15e-06	-2.20e-06
644	17	-26.01	-2.42	-0.60	0.0	-2.82e-03	1.60e-03
644	23	23.54	6.55	5.27e-03	0.0	2.49e-03	-1.63e-03
644	49	-22.17	-1.78	-0.56	0.0	-2.44e-03	1.39e-03
644	55	18.82	5.74	-0.05	0.0	2.00e-03	-1.31e-03
644	81	-19.28	-1.43	-0.52	0.0	-2.12e-03	1.21e-03
644	87	16.29	5.12	-0.08	0.0	1.74e-03	-1.14e-03
644	113	-32.37	-3.28	-0.68	0.0	-3.50e-03	1.99e-03
644	119	30.02	7.98	0.08	0.0	3.17e-03	-2.07e-03
644	145	-4.52e-03	1.01	-0.32	0.0	3.28e-06	-1.51e-06
644	146	-3.36e-03	1.06	-0.34	0.0	2.85e-06	-1.50e-06
644	151	-3.36e-03	0.87	-0.29	0.0	2.60e-06	-1.22e-06
644	156	-2.97e-03	0.82	-0.27	0.0	2.38e-06	-1.13e-06
645	3	-3.70e-03	1.60	-0.46	0.0	4.96e-06	-1.23e-06
645	4	-2.61e-03	1.69	-0.49	0.0	3.52e-06	-1.38e-06
645	17	-27.62	-2.52	-0.61	0.0	-2.81e-03	1.64e-03

645	23	24.98	6.94	1.86e-03	0.0	2.48e-03	-1.66e-03
645	49	-23.55	-1.86	-0.56	0.0	-2.43e-03	1.42e-03
645	55	19.97	6.09	-0.06	0.0	2.00e-03	-1.34e-03
645	81	-20.47	-1.48	-0.53	0.0	-2.12e-03	1.24e-03
645	87	17.28	5.43	-0.09	0.0	1.73e-03	-1.16e-03
645	113	-34.37	-3.44	-0.69	0.0	-3.49e-03	2.03e-03
645	119	31.86	8.45	0.08	0.0	3.16e-03	-2.11e-03
645	145	-2.48e-03	1.12	-0.32	0.0	3.33e-06	0.0
645	146	-1.75e-03	1.18	-0.35	0.0	2.37e-06	0.0
645	151	-1.80e-03	0.97	-0.29	0.0	2.44e-06	0.0
645	156	-1.58e-03	0.92	-0.28	0.0	2.14e-06	0.0
646	4	-8.38e-04	1.88	-0.51	0.0	3.24e-06	0.0
646	17	-29.23	-2.61	-0.62	0.0	-2.81e-03	1.67e-03
646	23	26.42	7.33	-4.92e-03	0.0	2.48e-03	-1.69e-03
646	49	-24.93	-1.92	-0.57	0.0	-2.43e-03	1.46e-03
646	55	21.12	6.43	-0.06	0.0	2.00e-03	-1.37e-03
646	81	-21.67	-1.52	-0.53	0.0	-2.11e-03	1.27e-03
646	87	18.27	5.75	-0.09	0.0	1.73e-03	-1.19e-03
646	113	-36.37	-3.58	-0.70	0.0	-3.48e-03	2.07e-03
646	119	33.69	8.90	0.07	0.0	3.16e-03	-2.15e-03
646	146	-5.83e-04	1.31	-0.36	0.0	2.15e-06	0.0
646	151	-4.65e-04	1.08	-0.30	0.0	2.38e-06	0.0
646	156	-4.41e-04	1.02	-0.29	0.0	2.04e-06	0.0
647	3	-9.32e-03	0.96	-0.59	0.0	-5.31e-06	-4.99e-06
647	4	-8.73e-03	1.01	-0.63	0.0	-4.40e-06	-4.42e-06
647	17	-21.82	-2.10	-0.76	0.0	-2.94e-03	1.41e-03
647	23	19.99	5.39	-0.02	0.0	2.60e-03	-1.43e-03
647	49	-18.59	-1.56	-0.70	0.0	-2.53e-03	1.22e-03
647	55	16.00	4.70	-0.09	0.0	2.09e-03	-1.15e-03
647	81	-16.16	-1.27	-0.66	0.0	-2.21e-03	1.06e-03
647	87	13.85	4.17	-0.13	0.0	1.81e-03	-9.98e-04
647	113	-27.16	-2.82	-0.86	0.0	-3.65e-03	1.75e-03
647	119	25.48	6.60	0.07	0.0	3.31e-03	-1.83e-03
647	145	-6.46e-03	0.67	-0.42	0.0	-3.62e-06	-3.40e-06
647	146	-6.07e-03	0.71	-0.44	0.0	-3.01e-06	-3.02e-06
647	151	-5.34e-03	0.58	-0.37	0.0	-2.82e-06	-2.69e-06
647	156	-4.97e-03	0.55	-0.35	0.0	-2.56e-06	-2.45e-06
648	3	-0.01	1.12	-0.60	0.0	0.0	-4.11e-06
648	4	-8.76e-03	1.18	-0.63	0.0	0.0	-3.56e-06
648	17	-23.47	-2.20	-0.76	0.0	-2.90e-03	1.48e-03
648	23	21.48	5.77	-0.03	0.0	2.56e-03	-1.50e-03
648	49	-19.99	-1.63	-0.71	0.0	-2.50e-03	1.28e-03
648	55	17.19	5.04	-0.10	0.0	2.06e-03	-1.21e-03
648	81	-17.38	-1.32	-0.66	0.0	-2.18e-03	1.11e-03
648	87	14.87	4.49	-0.13	0.0	1.78e-03	-1.05e-03
648	113	-29.22	-2.97	-0.86	0.0	-3.60e-03	1.83e-03
648	119	27.38	7.06	0.06	0.0	3.26e-03	-1.91e-03
648	145	-6.89e-03	0.78	-0.42	0.0	0.0	-2.78e-06
648	146	-6.04e-03	0.82	-0.45	0.0	0.0	-2.42e-06
648	151	-5.52e-03	0.68	-0.37	0.0	0.0	-2.16e-06
648	156	-5.06e-03	0.64	-0.36	0.0	0.0	-1.96e-06
649	3	-8.13e-03	1.28	-0.60	0.0	3.13e-06	-3.19e-06
649	4	-6.37e-03	1.35	-0.64	0.0	3.50e-06	-2.70e-06
649	17	-25.12	-2.31	-0.77	0.0	-2.88e-03	1.54e-03
649	23	22.95	6.16	-0.03	0.0	2.54e-03	-1.56e-03
649	49	-21.40	-1.71	-0.71	0.0	-2.49e-03	1.33e-03
649	55	18.36	5.39	-0.10	0.0	2.05e-03	-1.26e-03
649	81	-18.60	-1.37	-0.67	0.0	-2.17e-03	1.16e-03
649	87	15.89	4.80	-0.14	0.0	1.77e-03	-1.09e-03
649	113	-31.27	-3.12	-0.86	0.0	-3.57e-03	1.90e-03
649	119	29.27	7.52	0.06	0.0	3.24e-03	-1.99e-03
649	145	-5.52e-03	0.89	-0.43	0.0	2.21e-06	-2.15e-06
649	146	-4.35e-03	0.94	-0.45	0.0	2.46e-06	-1.83e-06
649	151	-4.23e-03	0.77	-0.38	0.0	1.98e-06	-1.65e-06
649	156	-3.80e-03	0.73	-0.36	0.0	1.90e-06	-1.48e-06
650	3	-5.25e-03	1.44	-0.61	0.0	4.11e-06	-2.18e-06
650	4	-3.39e-03	1.52	-0.65	0.0	3.66e-06	-1.82e-06
650	17	-26.76	-2.42	-0.77	0.0	-2.87e-03	1.59e-03
650	23	24.42	6.55	-0.04	0.0	2.53e-03	-1.61e-03
650	49	-22.80	-1.78	-0.71	0.0	-2.47e-03	1.38e-03
650	55	19.53	5.74	-0.11	0.0	2.04e-03	-1.30e-03
650	81	-19.82	-1.43	-0.67	0.0	-2.16e-03	1.20e-03
650	87	16.90	5.12	-0.14	0.0	1.77e-03	-1.13e-03
650	113	-33.31	-3.28	-0.86	0.0	-3.55e-03	1.97e-03
650	119	31.14	7.98	0.05	0.0	3.22e-03	-2.05e-03

650	145	-3.50e-03	1.01	-0.43	0.0	2.83e-06	-1.47e-06
650	146	-2.26e-03	1.06	-0.46	0.0	2.53e-06	-1.23e-06
650	151	-2.49e-03	0.87	-0.38	0.0	2.29e-06	-1.12e-06
650	156	-2.16e-03	0.82	-0.36	0.0	2.11e-06	0.0
651	4	-1.12e-03	1.69	-0.65	0.0	1.54e-06	0.0
651	9	3.31e-03	1.02	-0.45	0.0	-3.41e-06	0.0
651	17	-28.39	-2.52	-0.77	0.0	-2.85e-03	1.63e-03
651	23	25.89	6.94	-0.04	0.0	2.52e-03	-1.66e-03
651	49	-24.20	-1.86	-0.72	0.0	-2.47e-03	1.42e-03
651	55	20.70	6.09	-0.11	0.0	2.03e-03	-1.34e-03
651	81	-21.04	-1.48	-0.67	0.0	-2.15e-03	1.24e-03
651	87	17.91	5.43	-0.15	0.0	1.76e-03	-1.16e-03
651	113	-35.34	-3.44	-0.87	0.0	-3.54e-03	2.02e-03
651	119	33.01	8.45	0.04	0.0	3.21e-03	-2.11e-03
651	146	-7.05e-04	1.18	-0.46	0.0	1.00e-06	0.0
651	147	2.24e-03	0.73	-0.33	0.0	-2.30e-06	0.0
651	151	-1.03e-03	0.97	-0.38	0.0	1.33e-06	0.0
651	156	-8.24e-04	0.92	-0.37	0.0	1.10e-06	0.0
652	4	-2.35e-03	1.88	-0.66	-1.61e-04	0.0	0.0
652	17	-30.03	-2.61	-0.77	8.02e-05	-1.42e-03	1.66e-03
652	23	27.34	7.33	-0.05	-3.33e-04	1.26e-03	-1.68e-03
652	49	-25.60	-1.92	-0.72	5.54e-05	-1.23e-03	1.44e-03
652	55	21.86	6.43	-0.12	-3.01e-04	1.01e-03	-1.36e-03
652	81	-22.26	-1.52	-0.67	3.70e-05	-1.07e-03	1.26e-03
652	87	18.92	5.75	-0.15	-2.74e-04	8.77e-04	-1.18e-03
652	113	-37.37	-3.58	-0.87	1.22e-04	-1.77e-03	2.05e-03
652	119	34.86	8.91	0.04	-3.93e-04	1.60e-03	-2.13e-03
652	146	-1.64e-03	1.31	-0.47	-1.12e-04	0.0	0.0
652	151	-1.31e-03	1.08	-0.39	-9.13e-05	0.0	0.0
652	156	-1.24e-03	1.02	-0.37	-8.68e-05	0.0	0.0
653	3	-4.54e-03	0.96	-0.90	0.0	-4.89e-06	-4.89e-06
653	4	-4.08e-03	1.01	-0.95	0.0	-4.12e-06	-4.63e-06
653	17	-22.53	-2.10	-0.80	0.0	-3.04e-03	1.34e-03
653	23	20.83	5.39	-0.37	0.0	2.69e-03	-1.37e-03
653	49	-19.18	-1.56	-0.76	0.0	-2.62e-03	1.16e-03
653	55	16.68	4.70	-0.40	0.0	2.16e-03	-1.10e-03
653	81	-16.68	-1.27	-0.73	0.0	-2.28e-03	1.01e-03
653	87	14.44	4.17	-0.42	0.0	1.87e-03	-9.53e-04
653	113	-28.06	-2.81	-0.86	0.0	-3.77e-03	1.66e-03
653	119	26.55	6.60	-0.32	0.0	3.43e-03	-1.74e-03
653	145	-3.14e-03	0.67	-0.63	0.0	-3.35e-06	-3.38e-06
653	146	-2.84e-03	0.71	-0.67	0.0	-2.84e-06	-3.21e-06
653	151	-2.57e-03	0.58	-0.56	0.0	-2.66e-06	-2.79e-06
653	156	-2.38e-03	0.55	-0.53	0.0	-2.43e-06	-2.59e-06
654	3	-6.45e-03	1.12	-0.90	0.0	-1.32e-06	-4.94e-06
654	4	-5.50e-03	1.18	-0.96	0.0	0.0	-4.43e-06
654	17	-24.24	-2.20	-0.80	0.0	-2.98e-03	1.43e-03
654	23	22.38	5.77	-0.37	0.0	2.64e-03	-1.46e-03
654	49	-20.63	-1.63	-0.77	0.0	-2.57e-03	1.24e-03
654	55	17.91	5.04	-0.41	0.0	2.13e-03	-1.18e-03
654	81	-17.94	-1.32	-0.74	0.0	-2.24e-03	1.08e-03
654	87	15.50	4.49	-0.42	0.0	1.84e-03	-1.02e-03
654	113	-30.18	-2.97	-0.86	0.0	-3.70e-03	1.78e-03
654	119	28.52	7.06	-0.32	0.0	3.37e-03	-1.86e-03
654	145	-4.43e-03	0.78	-0.64	0.0	0.0	-3.39e-06
654	146	-3.80e-03	0.82	-0.67	0.0	0.0	-3.04e-06
654	151	-3.54e-03	0.68	-0.56	0.0	0.0	-2.72e-06
654	156	-3.24e-03	0.64	-0.53	0.0	0.0	-2.49e-06
655	3	-5.98e-03	1.28	-0.91	0.0	1.54e-06	-3.64e-06
655	4	-4.67e-03	1.35	-0.96	0.0	1.81e-06	-2.95e-06
655	17	-25.93	-2.31	-0.81	0.0	-2.95e-03	1.52e-03
655	23	23.90	6.16	-0.37	0.0	2.61e-03	-1.54e-03
655	49	-22.07	-1.71	-0.77	0.0	-2.54e-03	1.32e-03
655	55	19.12	5.39	-0.41	0.0	2.10e-03	-1.24e-03
655	81	-19.19	-1.37	-0.74	0.0	-2.22e-03	1.15e-03
655	87	16.55	4.80	-0.43	0.0	1.82e-03	-1.08e-03
655	113	-32.28	-3.12	-0.87	0.0	-3.66e-03	1.88e-03
655	119	30.46	7.52	-0.32	0.0	3.32e-03	-1.97e-03
655	145	-4.07e-03	0.89	-0.64	0.0	1.10e-06	-2.47e-06
655	146	-3.20e-03	0.94	-0.68	0.0	1.28e-06	-2.00e-06
655	151	-3.14e-03	0.77	-0.56	0.0	1.01e-06	-1.89e-06
655	156	-2.83e-03	0.73	-0.54	0.0	0.0	-1.69e-06
656	3	-4.30e-03	1.44	-0.91	0.0	2.80e-06	-2.11e-06
656	4	-2.98e-03	1.52	-0.97	0.0	2.41e-06	-1.36e-06
656	17	-27.60	-2.42	-0.81	0.0	-2.92e-03	1.58e-03

656	23	25.40	6.55	-0.37	0.0	2.58e-03	-1.61e-03
656	49	-23.50	-1.79	-0.78	0.0	-2.52e-03	1.37e-03
656	55	20.32	5.74	-0.41	0.0	2.08e-03	-1.30e-03
656	81	-20.43	-1.43	-0.75	0.0	-2.20e-03	1.20e-03
656	87	17.58	5.12	-0.43	0.0	1.80e-03	-1.12e-03
656	113	-34.36	-3.28	-0.87	0.0	-3.62e-03	1.96e-03
656	119	32.38	7.98	-0.33	0.0	3.29e-03	-2.05e-03
656	145	-2.90e-03	1.01	-0.64	0.0	1.93e-06	-1.40e-06
656	146	-2.01e-03	1.06	-0.68	0.0	1.67e-06	0.0
656	151	-2.13e-03	0.87	-0.56	0.0	1.55e-06	0.0
656	156	-1.88e-03	0.82	-0.54	0.0	1.42e-06	0.0
657	3	-2.48e-03	1.60	-0.91	0.0	2.95e-06	-1.00e-06
657	4	-1.62e-03	1.69	-0.98	0.0	1.85e-06	0.0
657	17	-29.26	-2.53	-0.81	0.0	-2.90e-03	1.63e-03
657	23	26.89	6.94	-0.38	0.0	2.56e-03	-1.66e-03
657	49	-24.93	-1.86	-0.78	0.0	-2.50e-03	1.42e-03
657	55	21.51	6.09	-0.41	0.0	2.07e-03	-1.34e-03
657	81	-21.67	-1.48	-0.75	0.0	-2.18e-03	1.24e-03
657	87	18.61	5.43	-0.43	0.0	1.79e-03	-1.16e-03
657	113	-36.42	-3.44	-0.88	0.0	-3.59e-03	2.02e-03
657	119	34.28	8.45	-0.33	0.0	3.26e-03	-2.11e-03
657	145	-1.66e-03	1.12	-0.65	0.0	1.98e-06	0.0
657	146	-1.09e-03	1.18	-0.69	0.0	1.25e-06	0.0
657	151	-1.19e-03	0.97	-0.57	0.0	1.41e-06	0.0
657	156	-1.04e-03	0.92	-0.54	0.0	1.22e-06	0.0
658	4	-8.02e-04	1.89	-0.99	0.0	1.59e-06	0.0
658	17	-30.91	-2.61	-0.82	0.0	-2.89e-03	1.67e-03
658	23	28.36	7.33	-0.38	0.0	2.56e-03	-1.70e-03
658	49	-26.35	-1.92	-0.79	0.0	-2.50e-03	1.46e-03
658	55	22.69	6.44	-0.42	0.0	2.06e-03	-1.37e-03
658	81	-22.90	-1.52	-0.76	0.0	-2.18e-03	1.27e-03
658	87	19.63	5.75	-0.44	0.0	1.79e-03	-1.19e-03
658	113	-38.48	-3.58	-0.88	0.0	-3.58e-03	2.07e-03
658	119	36.16	8.91	-0.34	0.0	3.25e-03	-2.16e-03
658	146	-5.58e-04	1.32	-0.70	0.0	1.04e-06	0.0
658	151	-4.44e-04	1.08	-0.57	0.0	1.36e-06	0.0
658	156	-4.22e-04	1.02	-0.55	0.0	1.14e-06	0.0
659	3	-2.34e-03	0.96	-1.17	0.0	-3.07e-06	-3.37e-06
659	4	-1.97e-03	1.02	-1.24	0.0	-2.54e-06	-3.15e-06
659	17	-23.14	-2.10	-0.86	0.0	-3.13e-03	1.30e-03
659	23	21.55	5.39	-0.64	0.0	2.79e-03	-1.33e-03
659	33	-7.48	2.40	-0.90	0.0	-1.17e-03	5.73e-04
659	49	-19.69	-1.56	-0.85	0.0	-2.70e-03	1.12e-03
659	55	17.27	4.70	-0.64	0.0	2.24e-03	-1.07e-03
659	65	-6.44	2.66	-0.90	0.0	-1.06e-03	5.37e-04
659	81	-17.12	-1.27	-0.83	0.0	-2.35e-03	9.80e-04
659	87	14.94	4.17	-0.65	0.0	1.94e-03	-9.28e-04
659	97	-5.61	2.45	-0.88	0.0	-9.28e-04	4.72e-04
659	113	-28.82	-2.81	-0.90	0.0	-3.88e-03	1.61e-03
659	119	27.47	6.60	-0.63	0.0	3.55e-03	-1.69e-03
659	129	-9.28	2.63	-0.94	0.0	-1.42e-03	6.91e-04
659	145	-1.61e-03	0.67	-0.83	0.0	-2.11e-06	-2.33e-06
659	146	-1.37e-03	0.71	-0.87	0.0	-1.75e-06	-2.19e-06
659	151	-1.29e-03	0.58	-0.72	0.0	-1.67e-06	-1.92e-06
659	156	-1.19e-03	0.55	-0.69	0.0	-1.53e-06	-1.79e-06
660	3	-3.80e-03	1.12	-1.17	0.0	-1.36e-06	-4.28e-06
660	4	-3.11e-03	1.18	-1.24	0.0	0.0	-3.79e-06
660	17	-24.91	-2.20	-0.86	0.0	-3.08e-03	1.40e-03
660	23	23.16	5.77	-0.64	0.0	2.74e-03	-1.43e-03
660	33	-8.08	2.57	-0.90	0.0	-1.15e-03	6.11e-04
660	49	-21.19	-1.63	-0.85	0.0	-2.65e-03	1.22e-03
660	55	18.55	5.04	-0.64	0.0	2.20e-03	-1.15e-03
660	65	-6.97	2.84	-0.90	0.0	-1.05e-03	5.72e-04
660	81	-18.42	-1.32	-0.83	0.0	-2.31e-03	1.06e-03
660	87	16.05	4.49	-0.65	0.0	1.91e-03	-1.00e-03
660	97	-6.06	2.62	-0.88	0.0	-9.19e-04	5.03e-04
660	113	-31.02	-2.97	-0.90	0.0	-3.81e-03	1.73e-03
660	119	29.52	7.06	-0.63	0.0	3.48e-03	-1.82e-03
660	129	-10.02	2.80	-0.94	0.0	-1.40e-03	7.39e-04
660	145	-2.61e-03	0.78	-0.83	0.0	0.0	-2.94e-06
660	146	-2.15e-03	0.82	-0.87	0.0	0.0	-2.61e-06
660	151	-2.07e-03	0.68	-0.72	0.0	0.0	-2.36e-06
660	156	-1.88e-03	0.64	-0.69	0.0	0.0	-2.17e-06
661	3	-3.97e-03	1.28	-1.17	0.0	0.0	-3.61e-06
661	4	-3.06e-03	1.35	-1.25	0.0	0.0	-2.90e-06

661	17	-26.64	-2.31	-0.86	0.0	-3.02e-03	1.49e-03
661	23	24.73	6.16	-0.64	0.0	2.68e-03	-1.52e-03
661	33	-8.69	2.73	-0.90	0.0	-1.14e-03	6.48e-04
661	49	-22.67	-1.71	-0.85	0.0	-2.61e-03	1.30e-03
661	55	19.80	5.39	-0.64	0.0	2.16e-03	-1.23e-03
661	65	-7.51	3.01	-0.90	0.0	-1.04e-03	6.06e-04
661	81	-19.71	-1.37	-0.83	0.0	-2.27e-03	1.13e-03
661	87	17.13	4.80	-0.65	0.0	1.87e-03	-1.07e-03
661	97	-6.54	2.79	-0.88	0.0	-9.09e-04	5.33e-04
661	113	-33.17	-3.12	-0.90	0.0	-3.74e-03	1.85e-03
661	119	31.52	7.52	-0.63	0.0	3.42e-03	-1.94e-03
661	129	-10.76	2.97	-0.94	0.0	-1.39e-03	7.83e-04
661	145	-2.71e-03	0.89	-0.83	0.0	0.0	-2.45e-06
661	146	-2.11e-03	0.94	-0.88	0.0	0.0	-1.98e-06
661	151	-2.09e-03	0.77	-0.72	0.0	0.0	-1.89e-06
661	156	-1.89e-03	0.73	-0.69	0.0	0.0	-1.70e-06
662	3	-3.14e-03	1.44	-1.18	0.0	1.69e-06	-2.38e-06
662	4	-2.27e-03	1.52	-1.25	0.0	1.38e-06	-1.63e-06
662	17	-28.35	-2.42	-0.87	0.0	-2.97e-03	1.57e-03
662	23	26.27	6.55	-0.64	0.0	2.64e-03	-1.59e-03
662	33	-9.30	2.89	-0.90	0.0	-1.12e-03	6.79e-04
662	49	-24.13	-1.79	-0.86	0.0	-2.57e-03	1.36e-03
662	55	21.02	5.74	-0.64	0.0	2.13e-03	-1.29e-03
662	65	-8.06	3.19	-0.91	0.0	-1.03e-03	6.35e-04
662	81	-20.98	-1.43	-0.84	0.0	-2.24e-03	1.19e-03
662	87	18.19	5.12	-0.65	0.0	1.84e-03	-1.12e-03
662	97	-7.02	2.96	-0.88	0.0	-9.00e-04	5.59e-04
662	113	-35.30	-3.28	-0.90	0.0	-3.69e-03	1.94e-03
662	119	33.48	7.98	-0.63	0.0	3.36e-03	-2.03e-03
662	129	-11.51	3.14	-0.94	0.0	-1.37e-03	8.21e-04
662	145	-2.13e-03	1.01	-0.83	0.0	1.16e-06	-1.59e-06
662	146	-1.55e-03	1.06	-0.88	0.0	0.0	-1.09e-06
662	151	-1.61e-03	0.87	-0.73	0.0	0.0	-1.15e-06
662	156	-1.43e-03	0.82	-0.69	0.0	0.0	-1.00e-06
663	3	-1.86e-03	1.60	-1.18	0.0	2.24e-06	-1.36e-06
663	4	-1.33e-03	1.69	-1.26	0.0	1.51e-06	0.0
663	17	-30.04	-2.53	-0.87	0.0	-2.94e-03	1.63e-03
663	23	27.78	6.94	-0.64	0.0	2.61e-03	-1.65e-03
663	33	-9.91	3.05	-0.91	0.0	-1.11e-03	7.07e-04
663	49	-25.58	-1.86	-0.86	0.0	-2.54e-03	1.42e-03
663	55	22.23	6.09	-0.65	0.0	2.10e-03	-1.34e-03
663	65	-8.62	3.36	-0.91	0.0	-1.02e-03	6.62e-04
663	81	-22.24	-1.48	-0.84	0.0	-2.21e-03	1.24e-03
663	87	19.24	5.43	-0.65	0.0	1.82e-03	-1.16e-03
663	97	-7.51	3.12	-0.89	0.0	-8.92e-04	5.82e-04
663	113	-37.39	-3.44	-0.91	0.0	-3.64e-03	2.01e-03
663	119	35.42	8.45	-0.63	0.0	3.32e-03	-2.10e-03
663	129	-12.26	3.30	-0.94	0.0	-1.36e-03	8.54e-04
663	145	-1.26e-03	1.12	-0.83	0.0	1.52e-06	0.0
663	146	-9.03e-04	1.18	-0.88	0.0	1.03e-06	0.0
663	151	-9.38e-04	0.97	-0.73	0.0	1.12e-06	0.0
663	156	-8.32e-04	0.92	-0.69	0.0	0.0	0.0
664	4	-4.71e-04	1.89	-1.27	0.0	1.45e-06	0.0
664	17	-31.71	-2.62	-0.88	0.0	-2.92e-03	1.67e-03
664	23	29.28	7.34	-0.65	0.0	2.60e-03	-1.70e-03
664	33	-10.53	3.22	-0.91	0.0	-1.11e-03	7.29e-04
664	49	-27.02	-1.92	-0.87	0.0	-2.53e-03	1.46e-03
664	55	23.43	6.44	-0.65	0.0	2.09e-03	-1.37e-03
664	65	-9.17	3.54	-0.92	0.0	-1.01e-03	6.83e-04
664	81	-23.49	-1.52	-0.85	0.0	-2.20e-03	1.27e-03
664	87	20.27	5.76	-0.66	0.0	1.81e-03	-1.19e-03
664	97	-8.00	3.29	-0.89	0.0	-8.89e-04	6.01e-04
664	113	-39.48	-3.58	-0.91	0.0	-3.63e-03	2.07e-03
664	119	37.33	8.91	-0.64	0.0	3.30e-03	-2.16e-03
664	129	-13.02	3.47	-0.95	0.0	-1.35e-03	8.81e-04
664	146	-3.28e-04	1.32	-0.89	0.0	0.0	0.0
664	151	-2.57e-04	1.08	-0.74	0.0	1.14e-06	0.0
664	154	-2.59e-04	1.05	-0.72	0.0	0.0	0.0
664	156	-2.45e-04	1.02	-0.70	0.0	0.0	0.0
665	3	-9.87e-04	0.97	-1.41	0.0	-1.58e-06	-2.31e-06
665	4	-7.38e-04	1.02	-1.50	0.0	-1.25e-06	-2.08e-06
665	17	-23.75	-2.10	-0.98	0.0	-3.21e-03	1.29e-03
665	23	22.27	5.39	-0.78	0.0	2.87e-03	-1.32e-03
665	37	-7.25	2.27	-1.09	0.0	-1.14e-03	6.16e-04
665	49	-20.20	-1.56	-1.00	0.0	-2.77e-03	1.12e-03

665	55	17.85	4.70	-0.77	0.0	2.31e-03	-1.06e-03
665	69	-5.90	2.59	-1.10	0.0	-1.00e-03	5.58e-04
665	81	-17.56	-1.26	-0.98	0.0	-2.41e-03	9.73e-04
665	87	15.45	4.17	-0.78	0.0	2.00e-03	-9.22e-04
665	101	-5.12	2.39	-1.07	0.0	-8.77e-04	4.90e-04
665	113	-29.59	-2.81	-1.01	0.0	-3.98e-03	1.59e-03
665	119	28.38	6.60	-0.77	0.0	3.66e-03	-1.68e-03
665	133	-9.21	2.44	-1.14	0.0	-1.42e-03	7.56e-04
665	145	-6.78e-04	0.67	-1.00	0.0	-1.09e-06	-1.59e-06
665	146	-5.12e-04	0.71	-1.05	0.0	0.0	-1.44e-06
665	151	-5.28e-04	0.58	-0.87	0.0	0.0	-1.30e-06
665	156	-4.78e-04	0.55	-0.83	0.0	0.0	-1.20e-06
666	3	-1.82e-03	1.12	-1.41	0.0	0.0	-3.38e-06
666	4	-1.38e-03	1.18	-1.50	0.0	0.0	-2.90e-06
666	17	-25.56	-2.20	-0.98	0.0	-3.16e-03	1.38e-03
666	23	23.93	5.77	-0.78	0.0	2.82e-03	-1.41e-03
666	37	-7.83	2.43	-1.09	0.0	-1.13e-03	6.53e-04
666	49	-21.74	-1.63	-0.99	0.0	-2.73e-03	1.20e-03
666	55	19.17	5.04	-0.77	0.0	2.27e-03	-1.14e-03
666	69	-6.38	2.77	-1.10	0.0	-9.92e-04	5.90e-04
666	81	-18.90	-1.32	-0.98	0.0	-2.38e-03	1.05e-03
666	87	16.59	4.49	-0.78	0.0	1.97e-03	-9.90e-04
666	101	-5.54	2.56	-1.07	0.0	-8.68e-04	5.18e-04
666	113	-31.84	-2.97	-1.01	0.0	-3.92e-03	1.71e-03
666	119	30.50	7.06	-0.77	0.0	3.59e-03	-1.80e-03
666	133	-9.93	2.60	-1.14	0.0	-1.40e-03	8.02e-04
666	145	-1.25e-03	0.78	-0.99	0.0	0.0	-2.32e-06
666	146	-9.58e-04	0.82	-1.05	0.0	0.0	-2.00e-06
666	151	-9.73e-04	0.68	-0.87	0.0	0.0	-1.85e-06
666	156	-8.81e-04	0.64	-0.83	0.0	0.0	-1.69e-06
667	3	-2.12e-03	1.28	-1.41	0.0	0.0	-3.31e-06
667	4	-1.58e-03	1.35	-1.50	0.0	0.0	-2.65e-06
667	17	-27.34	-2.31	-0.98	0.0	-3.09e-03	1.47e-03
667	23	25.55	6.16	-0.78	0.0	2.76e-03	-1.50e-03
667	37	-8.42	2.59	-1.09	0.0	-1.11e-03	6.90e-04
667	49	-23.26	-1.71	-0.99	0.0	-2.67e-03	1.28e-03
667	55	20.46	5.39	-0.77	0.0	2.22e-03	-1.21e-03
667	69	-6.89	2.94	-1.10	0.0	-9.77e-04	6.24e-04
667	81	-20.22	-1.37	-0.98	0.0	-2.33e-03	1.12e-03
667	87	17.71	4.80	-0.78	0.0	1.93e-03	-1.05e-03
667	101	-5.98	2.73	-1.07	0.0	-8.55e-04	5.48e-04
667	113	-34.05	-3.12	-1.01	0.0	-3.84e-03	1.82e-03
667	119	32.56	7.52	-0.77	0.0	3.51e-03	-1.92e-03
667	133	-10.67	2.76	-1.14	0.0	-1.37e-03	8.48e-04
667	145	-1.45e-03	0.89	-0.99	0.0	0.0	-2.25e-06
667	146	-1.09e-03	0.94	-1.05	0.0	0.0	-1.82e-06
667	151	-1.12e-03	0.77	-0.87	0.0	0.0	-1.74e-06
667	156	-1.01e-03	0.73	-0.83	0.0	0.0	-1.57e-06
668	3	-1.81e-03	1.44	-1.42	0.0	0.0	-2.53e-06
668	4	-1.32e-03	1.52	-1.50	0.0	0.0	-1.88e-06
668	17	-29.09	-2.42	-0.99	0.0	-3.03e-03	1.55e-03
668	23	27.13	6.55	-0.78	0.0	2.70e-03	-1.58e-03
668	37	-9.02	2.75	-1.09	0.0	-1.09e-03	7.24e-04
668	49	-24.76	-1.79	-1.00	0.0	-2.62e-03	1.35e-03
668	55	21.72	5.74	-0.77	0.0	2.18e-03	-1.28e-03
668	69	-7.41	3.12	-1.10	0.0	-9.62e-04	6.55e-04
668	81	-21.52	-1.43	-0.98	0.0	-2.29e-03	1.18e-03
668	87	18.80	5.12	-0.78	0.0	1.89e-03	-1.11e-03
668	101	-6.43	2.90	-1.07	0.0	-8.42e-04	5.75e-04
668	113	-36.23	-3.28	-1.01	0.0	-3.76e-03	1.92e-03
668	119	34.58	7.98	-0.77	0.0	3.44e-03	-2.01e-03
668	133	-11.41	2.92	-1.14	0.0	-1.35e-03	8.90e-04
668	145	-1.24e-03	1.01	-1.00	0.0	0.0	-1.71e-06
668	146	-9.08e-04	1.06	-1.05	0.0	0.0	-1.27e-06
668	151	-9.43e-04	0.87	-0.87	0.0	0.0	-1.28e-06
668	156	-8.46e-04	0.82	-0.83	0.0	0.0	-1.14e-06
669	3	-1.05e-03	1.60	-1.42	0.0	1.43e-06	-1.57e-06
669	4	-7.62e-04	1.69	-1.51	0.0	1.02e-06	-1.15e-06
669	17	-30.81	-2.53	-0.99	0.0	-2.99e-03	1.62e-03
669	23	28.67	6.94	-0.78	0.0	2.66e-03	-1.64e-03
669	37	-9.61	2.90	-1.09	0.0	-1.08e-03	7.55e-04
669	49	-26.24	-1.87	-1.00	0.0	-2.59e-03	1.41e-03
669	55	22.95	6.08	-0.78	0.0	2.15e-03	-1.33e-03
669	69	-7.93	3.29	-1.10	0.0	-9.50e-04	6.83e-04
669	81	-22.81	-1.48	-0.98	0.0	-2.25e-03	1.23e-03

669	87	19.86	5.43	-0.78	0.0	1.86e-03	-1.15e-03
669	101	-6.88	3.06	-1.08	0.0	-8.32e-04	6.00e-04
669	113	-38.36	-3.44	-1.01	0.0	-3.71e-03	2.00e-03
669	119	36.55	8.45	-0.77	0.0	3.38e-03	-2.09e-03
669	133	-12.14	3.08	-1.14	0.0	-1.33e-03	9.27e-04
669	145	-7.15e-04	1.12	-1.00	0.0	0.0	-1.06e-06
669	146	-5.23e-04	1.18	-1.06	0.0	0.0	0.0
669	151	-5.43e-04	0.97	-0.87	0.0	0.0	0.0
669	156	-4.86e-04	0.91	-0.83	0.0	0.0	0.0
670	4	-6.85e-05	1.89	-1.52	-4.42e-04	0.0	0.0
670	11	-9.37e-05	1.74	-1.43	-4.35e-04	0.0	0.0
670	17	-32.52	-2.62	-0.99	2.91e-06	-3.40e-03	1.68e-03
670	23	30.20	7.34	-0.79	-5.80e-04	3.02e-03	-1.70e-03
670	37	-10.21	3.07	-1.10	-2.99e-04	-1.21e-03	7.81e-04
670	49	-27.70	-1.92	-1.00	-3.38e-05	-2.94e-03	1.46e-03
670	55	24.17	6.44	-0.79	-5.34e-04	2.44e-03	-1.38e-03
670	69	-8.45	3.47	-1.11	-3.20e-04	-1.07e-03	7.07e-04
670	81	-24.08	-1.52	-0.99	-6.03e-05	-2.57e-03	1.27e-03
670	87	20.92	5.76	-0.79	-4.97e-04	2.12e-03	-1.19e-03
670	101	-7.34	3.24	-1.08	-3.12e-04	-9.38e-04	6.22e-04
670	113	-40.48	-3.58	-1.02	6.28e-05	-4.21e-03	2.07e-03
670	119	38.49	8.92	-0.78	-6.66e-04	3.85e-03	-2.16e-03
670	133	-12.88	3.25	-1.14	-3.01e-04	-1.50e-03	9.60e-04
670	146	-4.73e-05	1.32	-1.07	-3.09e-04	0.0	0.0
670	149	-6.42e-05	1.22	-1.01	-3.05e-04	0.0	0.0
670	151	-2.93e-05	1.08	-0.88	-2.48e-04	0.0	0.0
670	154	-3.61e-05	1.05	-0.86	-2.48e-04	0.0	0.0
670	156	-2.91e-05	1.02	-0.84	-2.36e-04	0.0	0.0
671	4	7.64e-05	1.02	-1.71	0.0	0.0	-1.47e-06
671	9	3.08e-04	0.61	-1.09	0.0	0.0	0.0
671	17	-24.37	-2.09	-0.85	0.0	-3.29e-03	1.28e-03
671	23	22.99	5.39	-1.25	0.0	2.95e-03	-1.32e-03
671	35	6.46	4.65	-1.29	0.0	6.43e-04	-2.10e-04
671	49	-20.71	-1.56	-0.86	0.0	-2.84e-03	1.11e-03
671	55	18.43	4.70	-1.24	0.0	2.38e-03	-1.06e-03
671	67	5.14	4.54	-1.30	0.0	4.47e-04	-1.17e-04
671	81	-18.00	-1.26	-0.87	0.0	-2.48e-03	9.70e-04
671	87	15.95	4.18	-1.20	0.0	9.20e-03	-9.20e-04
671	99	4.44	4.09	-1.26	0.0	3.80e-04	-9.61e-05
671	113	-30.36	-2.81	-0.83	0.0	-4.08e-03	1.59e-03
671	119	29.29	6.60	-1.31	0.0	3.76e-03	-1.68e-03
671	131	8.25	5.45	-1.35	0.0	8.53e-04	-2.92e-04
671	146	5.09e-05	0.71	-1.20	0.0	0.0	-1.02e-06
671	147	2.05e-04	0.44	-0.78	0.0	0.0	0.0
671	151	-8.24e-06	0.58	-0.99	0.0	0.0	0.0
671	152	7.54e-05	0.38	-0.68	0.0	0.0	0.0
671	155	4.30e-05	0.37	-0.65	0.0	0.0	0.0
671	156	0.0	0.55	-0.94	0.0	0.0	0.0
672	4	-1.26e-04	1.18	-1.71	0.0	0.0	-2.27e-06
672	9	3.70e-04	0.71	-1.09	0.0	0.0	0.0
672	17	-26.22	-2.20	-0.85	0.0	-3.24e-03	1.37e-03
672	23	24.69	5.77	-1.25	0.0	2.90e-03	-1.41e-03
672	35	6.91	4.96	-1.30	0.0	6.29e-04	-2.30e-04
672	49	-22.29	-1.63	-0.86	0.0	-2.80e-03	1.19e-03
672	55	19.79	5.04	-1.24	0.0	2.34e-03	-1.14e-03
672	67	5.48	4.84	-1.30	0.0	4.36e-04	-1.32e-04
672	81	-19.37	-1.32	-0.87	0.0	-2.44e-03	1.04e-03
672	87	17.13	4.49	-1.21	0.0	2.03e-03	-9.84e-04
672	99	4.73	4.36	-1.26	0.0	3.71e-04	-1.09e-04
672	113	-32.66	-2.97	-0.83	0.0	-4.02e-03	1.70e-03
672	119	31.46	7.06	-1.31	0.0	3.69e-03	-1.79e-03
672	131	8.84	5.81	-1.36	0.0	8.34e-04	-3.18e-04
672	146	-9.13e-05	0.82	-1.20	0.0	0.0	-1.56e-06
672	147	2.39e-04	0.51	-0.79	0.0	0.0	0.0
672	151	-1.59e-04	0.68	-0.99	0.0	0.0	-1.47e-06
672	156	-1.38e-04	0.64	-0.94	0.0	0.0	-1.34e-06
673	3	-4.94e-04	1.28	-1.62	0.0	0.0	-2.98e-06
673	4	-2.78e-04	1.35	-1.72	0.0	0.0	-2.39e-06
673	17	-28.04	-2.31	-0.85	0.0	-3.17e-03	1.46e-03
673	23	26.36	6.16	-1.25	0.0	2.83e-03	-1.49e-03
673	35	7.33	5.27	-1.30	0.0	6.10e-04	-2.47e-04
673	49	-23.85	-1.71	-0.86	0.0	-2.74e-03	1.27e-03
673	55	21.12	5.39	-1.25	0.0	2.29e-03	-1.21e-03
673	67	5.77	5.14	-1.31	0.0	4.22e-04	-1.44e-04
673	81	-20.73	-1.37	-0.87	0.0	-2.39e-03	1.11e-03

673	87	18.28	4.80	-1.21	0.0	1.98e-03	-1.05e-03
673	99	4.99	4.64	-1.27	0.0	3.59e-04	-1.19e-04
673	113	-34.93	-3.12	-0.83	0.0	-3.93e-03	1.81e-03
673	119	33.59	7.52	-1.32	0.0	3.61e-03	-1.90e-03
673	131	9.38	6.16	-1.36	0.0	8.10e-04	-3.41e-04
673	145	-3.41e-04	0.89	-1.14	0.0	0.0	-2.03e-06
673	146	-1.97e-04	0.94	-1.20	0.0	0.0	-1.64e-06
673	151	-2.58e-04	0.77	-0.99	0.0	0.0	-1.58e-06
673	156	-2.31e-04	0.73	-0.94	0.0	0.0	-1.43e-06
674	3	-4.64e-04	1.44	-1.62	0.0	0.0	-2.52e-06
674	4	-2.79e-04	1.52	-1.72	0.0	0.0	-1.97e-06
674	17	-29.83	-2.42	-0.86	0.0	-3.10e-03	1.54e-03
674	23	27.98	6.55	-1.26	0.0	2.77e-03	-1.57e-03
674	35	7.71	5.58	-1.30	0.0	5.93e-04	-2.61e-04
674	49	-25.38	-1.79	-0.86	0.0	-2.68e-03	1.34e-03
674	55	22.41	5.74	-1.25	0.0	2.23e-03	-1.27e-03
674	67	6.04	5.44	-1.31	0.0	4.09e-04	-1.54e-04
674	81	-22.06	-1.43	-0.87	0.0	-2.34e-03	1.17e-03
674	87	19.39	5.12	-1.22	0.0	1.93e-03	-1.10e-03
674	99	5.21	4.92	-1.27	0.0	3.47e-04	-1.27e-04
674	113	-37.15	-3.28	-0.84	0.0	-3.84e-03	1.91e-03
674	119	35.65	7.98	-1.32	0.0	3.52e-03	-2.00e-03
674	131	9.88	6.52	-1.37	0.0	7.87e-04	-3.60e-04
674	145	-3.20e-04	1.01	-1.14	0.0	0.0	-1.71e-06
674	146	-1.97e-04	1.06	-1.21	0.0	0.0	-1.34e-06
674	151	-2.44e-04	0.87	-0.99	0.0	0.0	-1.31e-06
674	156	-2.19e-04	0.82	-0.95	0.0	0.0	-1.18e-06
675	4	-8.33e-05	1.68	-1.73	0.0	0.0	-1.28e-06
675	9	2.01e-04	1.00	-1.12	0.0	0.0	0.0
675	17	-31.59	-2.53	-0.86	0.0	-3.05e-03	1.61e-03
675	23	29.55	6.94	-1.27	0.0	2.72e-03	-1.64e-03
675	35	8.07	5.89	-1.31	0.0	5.80e-04	-2.72e-04
675	49	-26.89	-1.87	-0.87	0.0	-2.64e-03	1.40e-03
675	55	23.67	6.08	-1.26	0.0	2.19e-03	-1.33e-03
675	67	6.29	5.74	-1.32	0.0	4.00e-04	-1.60e-04
675	81	-23.38	-1.49	-0.88	0.0	-2.30e-03	1.22e-03
675	87	20.48	5.43	-1.22	0.0	1.90e-03	-1.15e-03
675	99	5.42	5.19	-1.28	0.0	3.40e-04	-1.33e-04
675	113	-39.33	-3.45	-0.84	0.0	-3.78e-03	1.99e-03
675	119	37.67	8.45	-1.33	0.0	3.46e-03	-2.08e-03
675	131	10.36	6.87	-1.37	0.0	7.71e-04	-3.75e-04
675	146	-5.95e-05	1.17	-1.21	0.0	0.0	0.0
675	147	1.30e-04	0.72	-0.81	0.0	0.0	0.0
675	151	-9.40e-05	0.96	-1.00	0.0	0.0	0.0
675	156	-8.21e-05	0.91	-0.95	0.0	0.0	0.0
676	4	3.31e-04	1.89	-1.75	-4.41e-04	0.0	0.0
676	16	33.33	4.66	-1.05	-4.80e-04	3.40e-03	-1.67e-03
676	23	31.11	7.34	-1.28	-5.88e-04	3.02e-03	-1.70e-03
676	35	8.42	6.21	-1.32	-4.85e-04	6.50e-04	-2.81e-04
676	48	28.38	3.97	-1.05	-4.42e-04	2.94e-03	-1.46e-03
676	55	24.91	6.44	-1.27	-5.41e-04	2.44e-03	-1.37e-03
676	67	6.53	6.05	-1.33	-4.76e-04	4.51e-04	-1.66e-04
676	80	24.68	3.56	-1.04	-4.15e-04	2.57e-03	-1.27e-03
676	87	21.56	5.76	-1.23	-5.03e-04	2.12e-03	-1.19e-03
676	99	5.63	5.48	-1.29	-4.49e-04	3.83e-04	-1.37e-04
676	112	41.49	5.63	-1.07	-5.41e-04	4.21e-03	-2.07e-03
676	119	39.65	8.92	-1.34	-6.76e-04	3.85e-03	-2.16e-03
676	131	10.83	7.23	-1.38	-5.34e-04	8.62e-04	-3.87e-04
676	146	2.31e-04	1.32	-1.23	-3.08e-04	0.0	0.0
676	151	1.96e-04	1.08	-1.01	-2.46e-04	0.0	0.0
676	156	1.85e-04	1.02	-0.96	-2.35e-04	0.0	0.0
677	3	7.02e-04	0.98	-1.78	0.0	0.0	-1.44e-06
677	4	6.99e-04	1.03	-1.89	0.0	0.0	-1.21e-06
677	16	24.99	3.20	-1.22	0.0	3.37e-03	-1.28e-03
677	23	23.69	5.39	-1.49	0.0	3.03e-03	-1.32e-03
677	35	6.70	4.65	-1.49	0.0	6.60e-04	-2.09e-04
677	48	21.23	2.66	-1.20	0.0	2.91e-03	-1.11e-03
677	55	19.00	4.70	-1.46	0.0	2.45e-03	-1.06e-03
677	67	5.35	4.54	-1.49	0.0	4.59e-04	-1.16e-04
677	80	18.45	2.37	-1.18	0.0	2.54e-03	-9.70e-04
677	87	16.45	4.18	-1.41	0.0	2.12e-03	-9.19e-04
677	99	4.63	4.09	-1.44	0.0	3.90e-04	-9.51e-05
677	112	31.13	3.92	-1.27	0.0	4.18e-03	-1.59e-03
677	119	30.19	6.60	-1.59	0.0	3.86e-03	-1.68e-03
677	145	4.82e-04	0.68	-1.25	0.0	0.0	0.0

677	146	4.80e-04	0.72	-1.32	0.0	0.0	0.0
677	151	3.97e-04	0.59	-1.09	0.0	0.0	0.0
677	156	3.69e-04	0.56	-1.03	0.0	0.0	0.0
678	3	9.42e-04	1.12	-1.79	0.0	0.0	-2.42e-06
678	4	9.02e-04	1.18	-1.90	0.0	0.0	-1.98e-06
678	16	26.88	3.48	-1.24	0.0	3.32e-03	-1.37e-03
678	23	25.45	5.77	-1.51	0.0	2.98e-03	-1.40e-03
678	48	22.84	2.91	-1.21	0.0	2.87e-03	-1.19e-03
678	55	20.40	5.04	-1.48	0.0	2.40e-03	-1.13e-03
678	67	5.71	4.84	-1.51	0.0	4.49e-04	-1.30e-04
678	80	19.85	2.60	-1.19	0.0	2.50e-03	-1.04e-03
678	87	17.66	4.49	-1.43	0.0	2.08e-03	-9.83e-04
678	99	4.94	4.36	-1.46	0.0	3.81e-04	-1.08e-04
678	112	33.49	4.25	-1.29	0.0	4.11e-03	-1.70e-03
678	119	32.43	7.06	-1.61	0.0	3.79e-03	-1.79e-03
678	145	6.42e-04	0.78	-1.26	0.0	0.0	-1.65e-06
678	146	6.16e-04	0.83	-1.33	0.0	0.0	-1.36e-06
678	151	5.17e-04	0.68	-1.10	0.0	0.0	-1.30e-06
678	156	4.75e-04	0.64	-1.04	0.0	0.0	-1.18e-06
679	3	9.70e-04	1.28	-1.80	0.0	0.0	-2.79e-06
679	4	9.01e-04	1.35	-1.91	0.0	0.0	-2.24e-06
679	16	28.75	3.77	-1.25	0.0	3.24e-03	-1.46e-03
679	23	27.16	6.16	-1.52	0.0	2.91e-03	-1.49e-03
679	48	24.44	3.17	-1.22	0.0	2.81e-03	-1.27e-03
679	55	21.76	5.39	-1.49	0.0	2.35e-03	-1.20e-03
679	67	6.01	5.14	-1.52	0.0	4.35e-04	-1.43e-04
679	80	21.24	2.83	-1.20	0.0	2.44e-03	-1.11e-03
679	87	18.84	4.80	-1.44	0.0	2.03e-03	-1.04e-03
679	99	5.20	4.64	-1.47	0.0	3.70e-04	-1.18e-04
679	112	35.81	4.59	-1.30	0.0	4.02e-03	-1.80e-03
679	119	34.61	7.52	-1.63	0.0	3.70e-03	-1.90e-03
679	145	6.58e-04	0.89	-1.26	0.0	0.0	-1.90e-06
679	146	6.12e-04	0.94	-1.34	0.0	0.0	-1.54e-06
679	151	5.20e-04	0.77	-1.10	0.0	0.0	-1.48e-06
679	156	4.74e-04	0.73	-1.05	0.0	0.0	-1.34e-06
680	3	8.37e-04	1.44	-1.81	0.0	0.0	-2.46e-06
680	4	7.63e-04	1.52	-1.93	0.0	0.0	-1.97e-06
680	16	30.58	4.06	-1.26	0.0	3.17e-03	-1.54e-03
680	23	28.82	6.55	-1.54	0.0	2.83e-03	-1.57e-03
680	48	26.01	3.43	-1.23	0.0	2.74e-03	-1.34e-03
680	55	23.09	5.73	-1.50	0.0	2.29e-03	-1.27e-03
680	67	6.29	5.44	-1.54	0.0	4.23e-04	-1.52e-04
680	80	22.61	3.07	-1.21	0.0	2.39e-03	-1.17e-03
680	87	19.98	5.11	-1.45	0.0	1.98e-03	-1.10e-03
680	99	5.43	4.92	-1.48	0.0	3.59e-04	-1.26e-04
680	112	38.08	4.93	-1.31	0.0	3.93e-03	-1.90e-03
680	119	36.72	7.98	-1.64	0.0	3.61e-03	-1.99e-03
680	145	5.67e-04	1.01	-1.27	0.0	0.0	-1.68e-06
680	146	5.17e-04	1.06	-1.35	0.0	0.0	-1.35e-06
680	151	4.44e-04	0.87	-1.11	0.0	0.0	-1.30e-06
680	156	4.03e-04	0.82	-1.06	0.0	0.0	-1.18e-06
681	3	6.40e-04	1.59	-1.82	0.0	0.0	-1.58e-06
681	4	5.95e-04	1.67	-1.95	0.0	0.0	-1.28e-06
681	16	32.37	4.36	-1.27	0.0	3.11e-03	-1.61e-03
681	23	30.43	6.94	-1.55	0.0	2.78e-03	-1.63e-03
681	48	27.55	3.69	-1.24	0.0	2.69e-03	-1.40e-03
681	55	24.37	6.08	-1.51	0.0	2.24e-03	-1.32e-03
681	67	6.54	5.74	-1.55	0.0	4.13e-04	-1.59e-04
681	80	23.95	3.31	-1.22	0.0	2.34e-03	-1.22e-03
681	87	21.10	5.43	-1.46	0.0	1.94e-03	-1.15e-03
681	99	5.65	5.19	-1.50	0.0	3.51e-04	-1.32e-04
681	112	40.31	5.27	-1.32	0.0	3.85e-03	-1.99e-03
681	119	38.78	8.45	-1.66	0.0	3.53e-03	-2.08e-03
681	145	4.36e-04	1.11	-1.28	0.0	0.0	-1.08e-06
681	146	4.06e-04	1.17	-1.36	0.0	0.0	0.0
681	151	3.48e-04	0.96	-1.12	0.0	0.0	0.0
681	156	3.18e-04	0.91	-1.07	0.0	0.0	0.0
682	4	4.33e-04	1.89	-1.98	-4.40e-04	0.0	0.0
682	16	34.14	4.66	-1.29	-4.93e-04	3.40e-03	-1.67e-03
682	23	32.02	7.34	-1.57	-6.11e-04	3.02e-03	-1.69e-03
682	48	29.07	3.97	-1.26	-4.54e-04	2.94e-03	-1.46e-03
682	55	25.64	6.44	-1.53	-5.61e-04	2.44e-03	-1.37e-03
682	67	6.79	6.05	-1.57	-4.94e-04	4.51e-04	-1.64e-04
682	80	25.27	3.56	-1.24	-4.25e-04	2.57e-03	-1.27e-03
682	87	22.19	5.76	-1.48	-5.21e-04	2.12e-03	-1.19e-03

682	99	5.85	5.48	-1.51	-4.64e-04	3.83e-04	-1.36e-04
682	112	42.50	5.63	-1.34	-5.58e-04	4.21e-03	-2.07e-03
682	119	40.81	8.92	-1.68	-7.04e-04	3.85e-03	-2.16e-03
682	146	3.02e-04	1.32	-1.39	-3.08e-04	0.0	0.0
682	151	2.52e-04	1.08	-1.14	-2.46e-04	0.0	0.0
682	156	2.38e-04	1.02	-1.08	-2.35e-04	0.0	0.0
683	3	1.40e-03	0.98	-1.96	0.0	1.24e-06	-1.39e-06
683	4	1.28e-03	1.04	-2.08	0.0	1.03e-06	-1.16e-06
683	16	25.62	3.21	-1.48	0.0	3.45e-03	-1.28e-03
683	23	24.40	5.39	-1.84	0.0	3.11e-03	-1.32e-03
683	48	21.76	2.67	-1.43	0.0	2.98e-03	-1.11e-03
683	55	19.56	4.70	-1.77	0.0	2.51e-03	-1.06e-03
683	67	5.53	4.54	-1.78	0.0	4.70e-04	-1.16e-04
683	80	18.91	2.37	-1.40	0.0	2.60e-03	-9.70e-04
683	87	16.93	4.18	-1.70	0.0	2.18e-03	-9.19e-04
683	99	4.79	4.09	-1.71	0.0	4.00e-04	-9.48e-05
683	112	31.91	3.92	-1.57	0.0	4.27e-03	-1.59e-03
683	119	31.08	6.60	-2.00	0.0	3.96e-03	-1.68e-03
683	145	9.64e-04	0.69	-1.38	0.0	0.0	0.0
683	146	8.82e-04	0.72	-1.46	0.0	0.0	0.0
683	151	7.78e-04	0.59	-1.20	0.0	0.0	0.0
683	156	7.16e-04	0.56	-1.14	0.0	0.0	0.0
684	3	2.15e-03	1.12	-1.97	0.0	0.0	-2.36e-06
684	4	1.89e-03	1.18	-2.09	0.0	0.0	-1.93e-06
684	16	27.55	3.49	-1.50	0.0	3.39e-03	-1.37e-03
684	23	26.20	5.78	-1.85	0.0	3.05e-03	-1.40e-03
684	48	23.41	2.92	-1.44	0.0	2.93e-03	-1.19e-03
684	55	21.01	5.04	-1.78	0.0	2.46e-03	-1.13e-03
684	67	5.91	4.84	-1.79	0.0	4.60e-04	-1.30e-04
684	80	20.34	2.60	-1.41	0.0	2.56e-03	-1.04e-03
684	87	18.18	4.49	-1.71	0.0	2.14e-03	-9.82e-04
684	99	5.12	4.36	-1.71	0.0	3.90e-04	-1.07e-04
684	112	34.32	4.25	-1.58	0.0	4.20e-03	-1.70e-03
684	119	33.38	7.06	-2.01	0.0	3.88e-03	-1.79e-03
684	145	1.47e-03	0.78	-1.38	0.0	0.0	-1.61e-06
684	146	1.29e-03	0.83	-1.46	0.0	0.0	-1.32e-06
684	151	1.16e-03	0.68	-1.20	0.0	0.0	-1.27e-06
684	156	1.06e-03	0.64	-1.14	0.0	0.0	-1.15e-06
685	3	2.39e-03	1.28	-1.97	0.0	0.0	-2.74e-06
685	4	2.04e-03	1.35	-2.10	0.0	0.0	-2.21e-06
685	16	29.46	3.77	-1.51	0.0	3.31e-03	-1.46e-03
685	23	27.95	6.16	-1.86	0.0	2.97e-03	-1.49e-03
685	48	25.04	3.17	-1.46	0.0	2.86e-03	-1.27e-03
685	55	22.41	5.39	-1.80	0.0	2.40e-03	-1.20e-03
685	80	21.77	2.83	-1.42	0.0	2.50e-03	-1.11e-03
685	87	19.39	4.80	-1.72	0.0	2.08e-03	-1.04e-03
685	99	5.39	4.64	-1.72	0.0	3.80e-04	-1.18e-04
685	112	36.69	4.59	-1.60	0.0	4.10e-03	-1.80e-03
685	119	35.62	7.52	-2.03	0.0	3.79e-03	-1.89e-03
685	145	1.63e-03	0.89	-1.39	0.0	0.0	-1.87e-06
685	146	1.40e-03	0.94	-1.47	0.0	0.0	-1.52e-06
685	151	1.28e-03	0.77	-1.21	0.0	0.0	-1.46e-06
685	156	1.16e-03	0.73	-1.15	0.0	0.0	-1.32e-06
686	3	2.11e-03	1.44	-1.99	0.0	0.0	-2.44e-06
686	4	1.79e-03	1.51	-2.12	0.0	0.0	-1.96e-06
686	16	31.32	4.06	-1.52	0.0	3.23e-03	-1.54e-03
686	23	29.65	6.55	-1.88	0.0	2.89e-03	-1.56e-03
686	48	26.65	3.43	-1.47	0.0	2.79e-03	-1.34e-03
686	55	23.76	5.73	-1.81	0.0	2.34e-03	-1.27e-03
686	80	23.16	3.07	-1.43	0.0	2.43e-03	-1.17e-03
686	87	20.57	5.11	-1.73	0.0	2.03e-03	-1.10e-03
686	99	5.63	4.92	-1.74	0.0	3.69e-04	-1.26e-04
686	112	39.01	4.93	-1.61	0.0	4.00e-03	-1.90e-03
686	119	37.78	7.98	-2.04	0.0	3.68e-03	-1.99e-03
686	145	1.43e-03	1.00	-1.40	0.0	0.0	-1.67e-06
686	146	1.22e-03	1.06	-1.49	0.0	0.0	-1.34e-06
686	151	1.12e-03	0.87	-1.22	0.0	0.0	-1.29e-06
686	156	1.01e-03	0.82	-1.16	0.0	0.0	-1.17e-06
687	3	1.44e-03	1.58	-2.01	0.0	-1.17e-06	-1.56e-06
687	4	1.25e-03	1.66	-2.15	0.0	0.0	-1.27e-06
687	16	33.15	4.35	-1.54	0.0	3.16e-03	-1.61e-03
687	23	31.30	6.94	-1.89	0.0	2.83e-03	-1.63e-03
687	48	28.22	3.69	-1.49	0.0	2.74e-03	-1.40e-03
687	55	25.08	6.08	-1.83	0.0	2.29e-03	-1.32e-03
687	80	24.53	3.30	-1.45	0.0	2.38e-03	-1.22e-03

687	87	21.71	5.42	-1.75	0.0	1.98e-03	-1.15e-03
687	99	5.85	5.19	-1.75	0.0	3.61e-04	-1.32e-04
687	112	41.28	5.27	-1.63	0.0	3.92e-03	-1.99e-03
687	119	39.89	8.45	-2.06	0.0	3.60e-03	-2.08e-03
687	145	9.84e-04	1.10	-1.41	0.0	0.0	-1.06e-06
687	146	8.57e-04	1.16	-1.51	0.0	0.0	0.0
687	151	7.76e-04	0.95	-1.24	0.0	0.0	0.0
687	156	7.07e-04	0.90	-1.18	0.0	0.0	0.0
688	4	5.31e-04	1.89	-2.21	-4.38e-04	0.0	0.0
688	16	34.95	4.66	-1.57	-5.01e-04	3.40e-03	-1.67e-03
688	23	32.92	7.34	-1.93	-6.24e-04	3.02e-03	-1.69e-03
688	48	29.77	3.97	-1.52	-4.60e-04	2.94e-03	-1.45e-03
688	55	26.37	6.44	-1.86	-5.73e-04	2.44e-03	-1.37e-03
688	80	25.88	3.56	-1.48	-4.31e-04	2.57e-03	-1.27e-03
688	87	22.83	5.76	-1.78	-5.31e-04	2.12e-03	-1.19e-03
688	99	6.06	5.48	-1.79	-4.73e-04	3.83e-04	-1.35e-04
688	112	43.52	5.63	-1.66	-5.67e-04	4.21e-03	-2.07e-03
688	119	41.96	8.92	-2.09	-7.21e-04	3.85e-03	-2.15e-03
688	146	3.70e-04	1.32	-1.55	-3.06e-04	0.0	0.0
688	151	3.05e-04	1.08	-1.27	-2.44e-04	0.0	0.0
688	156	2.89e-04	1.02	-1.21	-2.34e-04	0.0	0.0
689	4	8.19e-04	0.92	-0.93	0.0	0.0	0.0
689	16	31.26	3.16	-0.78	0.0	4.03e-03	-1.23e-03
689	23	30.34	5.37	-0.96	0.0	3.77e-03	-1.27e-03
689	48	26.62	2.62	-0.74	0.0	3.51e-03	-1.07e-03
689	55	24.28	4.68	-0.90	0.0	3.07e-03	-1.02e-03
689	80	23.14	2.32	-0.70	0.0	3.06e-03	-9.30e-04
689	87	21.01	4.15	-0.85	0.0	2.66e-03	-8.86e-04
689	119	38.68	6.59	-1.07	0.0	4.79e-03	-1.62e-03
689	120	39.46	4.53	-0.90	0.0	5.03e-03	-1.76e-03
689	146	5.69e-04	0.64	-0.65	0.0	0.0	0.0
689	151	4.70e-04	0.53	-0.53	0.0	0.0	0.0
689	156	4.42e-04	0.50	-0.51	0.0	0.0	0.0
690	4	7.37e-04	0.90	-0.73	0.0	0.0	0.0
690	16	29.48	3.15	-0.20	0.0	3.86e-03	-1.23e-03
690	23	28.51	5.36	-0.09	0.0	3.58e-03	-1.27e-03
690	26	-28.51	-4.39	-0.71	0.0	-3.58e-03	1.27e-03
690	48	25.09	2.61	-0.23	0.0	3.35e-03	-1.07e-03
690	55	22.83	4.67	-0.12	0.0	2.91e-03	-1.02e-03
690	58	-22.83	-3.69	-0.67	0.0	-2.91e-03	1.02e-03
690	80	21.81	2.31	-0.25	0.0	2.92e-03	-9.32e-04
690	87	19.76	4.14	-0.16	0.0	2.52e-03	-8.88e-04
690	90	-19.75	-3.16	-0.64	0.0	-2.52e-03	8.88e-04
690	119	36.34	6.58	-0.01	0.0	4.55e-03	-1.62e-03
690	120	36.94	4.53	-0.12	0.0	4.77e-03	-1.76e-03
690	122	-36.34	-5.60	-0.78	0.0	-4.55e-03	1.62e-03
690	146	5.12e-04	0.63	-0.51	0.0	0.0	0.0
690	151	4.23e-04	0.51	-0.42	0.0	0.0	0.0
690	156	3.98e-04	0.49	-0.40	0.0	0.0	0.0
691	4	8.59e-04	1.12	-0.96	0.0	0.0	0.0
691	16	33.51	3.46	-0.80	0.0	4.01e-03	-1.31e-03
691	23	32.54	5.77	-0.97	0.0	3.71e-03	-1.35e-03
691	48	28.55	2.89	-0.75	0.0	3.48e-03	-1.14e-03
691	55	26.04	5.04	-0.91	0.0	3.02e-03	-1.09e-03
691	80	24.82	2.57	-0.72	0.0	3.04e-03	-9.91e-04
691	87	22.54	4.48	-0.86	0.0	2.62e-03	-9.46e-04
691	119	41.47	7.06	-1.08	0.0	4.72e-03	-1.72e-03
691	120	42.28	4.91	-0.92	0.0	4.95e-03	-1.87e-03
691	146	5.96e-04	0.78	-0.67	0.0	0.0	0.0
691	151	4.94e-04	0.64	-0.55	0.0	0.0	0.0
691	156	4.64e-04	0.61	-0.53	0.0	0.0	0.0
692	4	7.79e-04	1.12	-0.72	0.0	0.0	0.0
692	16	31.63	3.46	-0.19	0.0	3.82e-03	-1.31e-03
692	23	30.59	5.77	-0.08	0.0	3.51e-03	-1.35e-03
692	26	-30.59	-4.56	-0.70	0.0	-3.51e-03	1.35e-03
692	48	26.92	2.89	-0.22	0.0	3.31e-03	-1.14e-03
692	55	24.50	5.04	-0.12	0.0	2.85e-03	-1.09e-03
692	58	-24.50	-3.83	-0.66	0.0	-2.85e-03	1.09e-03
692	80	23.40	2.57	-0.24	0.0	2.89e-03	-9.91e-04
692	87	21.20	4.48	-0.15	0.0	2.47e-03	-9.47e-04
692	90	-21.20	-3.27	-0.63	0.0	-2.47e-03	9.47e-04
692	119	38.98	7.06	-9.27e-03	0.0	4.46e-03	-1.72e-03
692	120	39.60	4.91	-0.12	0.0	4.68e-03	-1.87e-03
692	122	-38.98	-5.85	-0.77	0.0	-4.46e-03	1.72e-03
692	146	5.41e-04	0.78	-0.50	0.0	0.0	0.0

692	151	4.49e-04	0.64	-0.41	0.0	0.0	0.0
692	156	4.22e-04	0.60	-0.39	0.0	0.0	0.0
693	4	8.99e-04	1.33	-0.98	0.0	0.0	0.0
693	16	35.76	3.77	-0.81	0.0	3.96e-03	-1.39e-03
693	23	34.68	6.18	-0.98	0.0	3.62e-03	-1.44e-03
693	48	30.47	3.17	-0.77	0.0	3.44e-03	-1.21e-03
693	55	27.77	5.40	-0.92	0.0	2.94e-03	-1.16e-03
693	80	26.49	2.83	-0.73	0.0	3.00e-03	-1.05e-03
693	87	24.03	4.81	-0.87	0.0	2.55e-03	-1.01e-03
693	119	44.20	7.54	-1.09	0.0	4.60e-03	-1.83e-03
693	120	45.05	5.29	-0.93	0.0	4.83e-03	-1.98e-03
693	146	6.24e-04	0.93	-0.69	0.0	0.0	0.0
693	151	5.18e-04	0.76	-0.56	0.0	0.0	0.0
693	156	4.86e-04	0.72	-0.54	0.0	0.0	0.0
694	4	8.11e-04	1.33	-0.72	0.0	0.0	0.0
694	16	33.77	3.77	-0.19	0.0	3.76e-03	-1.39e-03
694	23	32.61	6.18	-0.09	0.0	3.42e-03	-1.43e-03
694	26	-32.61	-4.74	-0.69	0.0	-3.42e-03	1.43e-03
694	48	28.74	3.17	-0.22	0.0	3.26e-03	-1.21e-03
694	55	26.12	5.40	-0.12	0.0	2.77e-03	-1.16e-03
694	58	-26.12	-3.96	-0.66	0.0	-2.77e-03	1.16e-03
694	80	24.99	2.83	-0.24	0.0	2.84e-03	-1.05e-03
694	87	22.61	4.81	-0.15	0.0	2.41e-03	-1.01e-03
694	90	-22.61	-3.37	-0.63	0.0	-2.41e-03	1.01e-03
694	119	41.55	7.54	-0.01	0.0	4.35e-03	-1.83e-03
694	120	42.22	5.29	-0.11	0.0	4.56e-03	-1.98e-03
694	122	-41.55	-6.10	-0.77	0.0	-4.35e-03	1.83e-03
694	146	5.63e-04	0.93	-0.50	0.0	0.0	0.0
694	151	4.67e-04	0.76	-0.41	0.0	0.0	0.0
694	156	4.39e-04	0.72	-0.39	0.0	0.0	0.0
695	4	9.39e-04	1.55	-0.99	0.0	0.0	0.0
695	16	37.99	4.09	-0.82	0.0	3.91e-03	-1.48e-03
695	23	36.77	6.59	-0.99	0.0	3.52e-03	-1.52e-03
695	48	32.38	3.45	-0.77	0.0	3.39e-03	-1.28e-03
695	55	29.45	5.77	-0.93	0.0	2.86e-03	-1.23e-03
695	80	28.16	3.09	-0.74	0.0	2.96e-03	-1.12e-03
695	87	25.49	5.15	-0.88	0.0	2.48e-03	-1.07e-03
695	119	46.86	8.02	-1.10	0.0	4.48e-03	-1.93e-03
695	120	47.76	5.68	-0.93	0.0	4.70e-03	-2.09e-03
695	146	6.52e-04	1.09	-0.69	0.0	0.0	0.0
695	151	5.42e-04	0.88	-0.57	0.0	0.0	0.0
695	156	5.09e-04	0.84	-0.54	0.0	0.0	0.0
696	4	8.34e-04	1.56	-0.73	0.0	0.0	0.0
696	16	35.88	4.09	-0.19	0.0	3.70e-03	-1.48e-03
696	23	34.57	6.59	-0.09	0.0	3.33e-03	-1.52e-03
696	26	-34.57	-4.91	-0.70	0.0	-3.33e-03	1.52e-03
696	48	30.55	3.46	-0.22	0.0	3.21e-03	-1.28e-03
696	55	27.70	5.77	-0.13	0.0	2.70e-03	-1.23e-03
696	58	-27.70	-4.09	-0.66	0.0	-2.70e-03	1.23e-03
696	80	26.56	3.10	-0.24	0.0	2.80e-03	-1.12e-03
696	87	23.97	5.15	-0.16	0.0	2.34e-03	-1.07e-03
696	90	-23.97	-3.46	-0.63	0.0	-2.34e-03	1.06e-03
696	119	44.05	8.03	-0.02	0.0	4.23e-03	-1.93e-03
696	120	44.77	5.68	-0.12	0.0	4.44e-03	-2.09e-03
696	122	-44.05	-6.34	-0.77	0.0	-4.23e-03	1.93e-03
696	146	5.79e-04	1.09	-0.51	0.0	0.0	0.0
696	151	4.81e-04	0.89	-0.41	0.0	0.0	0.0
696	154	4.56e-04	0.87	-0.41	0.0	0.0	0.0
696	156	4.52e-04	0.84	-0.40	0.0	0.0	0.0
697	4	9.79e-04	1.76	-0.99	0.0	0.0	0.0
697	16	40.20	4.40	-0.82	0.0	3.86e-03	-1.57e-03
697	23	38.80	6.99	-0.99	0.0	3.45e-03	-1.60e-03
697	48	34.28	3.74	-0.77	0.0	3.35e-03	-1.36e-03
697	55	31.09	6.13	-0.93	0.0	2.79e-03	-1.29e-03
697	80	29.81	3.35	-0.74	0.0	2.93e-03	-1.19e-03
697	87	26.91	5.48	-0.88	0.0	2.42e-03	-1.12e-03
697	119	49.44	8.50	-1.10	0.0	4.38e-03	-2.03e-03
697	120	50.41	6.06	-0.94	0.0	4.60e-03	-2.20e-03
697	146	6.79e-04	1.23	-0.69	0.0	0.0	0.0
697	151	5.66e-04	1.00	-0.57	0.0	0.0	0.0
697	156	5.31e-04	0.95	-0.54	0.0	0.0	0.0
698	4	8.53e-04	1.78	-0.76	0.0	0.0	0.0
698	11	7.33e-04	1.67	-0.76	0.0	0.0	0.0
698	16	37.96	4.41	-0.21	0.0	3.65e-03	-1.57e-03
698	23	36.48	7.00	-0.11	0.0	3.26e-03	-1.60e-03

698	26	-36.48	-5.07	-0.71	0.0	-3.26e-03	1.60e-03
698	48	32.35	3.75	-0.24	0.0	3.17e-03	-1.36e-03
698	55	29.23	6.14	-0.14	0.0	2.64e-03	-1.29e-03
698	58	-29.23	-4.21	-0.68	0.0	-2.64e-03	1.29e-03
698	80	28.12	3.37	-0.26	0.0	2.76e-03	-1.19e-03
698	87	25.30	5.49	-0.18	0.0	2.28e-03	-1.12e-03
698	90	-25.30	-3.56	-0.64	0.0	-2.28e-03	1.12e-03
698	119	46.48	8.51	-0.04	0.0	4.14e-03	-2.03e-03
698	120	47.27	6.07	-0.14	0.0	4.35e-03	-2.20e-03
698	122	-46.48	-6.58	-0.79	0.0	-4.14e-03	2.03e-03
698	146	5.92e-04	1.25	-0.53	0.0	0.0	0.0
698	149	5.12e-04	1.17	-0.53	0.0	0.0	0.0
698	151	4.92e-04	1.02	-0.43	0.0	0.0	0.0
698	154	4.66e-04	1.00	-0.43	0.0	0.0	0.0
698	156	4.62e-04	0.96	-0.41	0.0	0.0	0.0
699	4	1.02e-03	1.88	-1.00	-1.28e-04	0.0	0.0
699	16	42.40	4.66	-0.82	-4.01e-04	3.40e-03	-1.65e-03
699	23	40.79	7.35	-0.99	-5.83e-04	3.02e-03	-1.67e-03
699	48	36.17	3.97	-0.78	-3.50e-04	2.94e-03	-1.44e-03
699	55	32.69	6.45	-0.93	-5.17e-04	2.44e-03	-1.36e-03
699	80	31.45	3.57	-0.75	-3.14e-04	2.57e-03	-1.26e-03
699	87	28.30	5.76	-0.88	-4.62e-04	2.12e-03	-1.18e-03
699	119	51.98	8.93	-1.10	-7.09e-04	3.85e-03	-2.13e-03
699	120	53.01	6.39	-0.94	-5.30e-04	4.04e-03	-2.30e-03
699	146	7.06e-04	1.31	-0.70	-8.81e-05	0.0	0.0
699	151	5.90e-04	1.08	-0.57	-7.99e-05	0.0	0.0
699	156	5.53e-04	1.02	-0.54	-7.32e-05	0.0	0.0
700	4	7.63e-04	0.91	-0.79	0.0	0.0	0.0
700	16	30.07	3.15	-0.39	0.0	3.92e-03	-1.23e-03
700	23	29.12	5.37	-0.38	0.0	3.64e-03	-1.27e-03
700	26	-29.12	-4.38	-0.48	0.0	-3.64e-03	1.27e-03
700	48	25.60	2.61	-0.40	0.0	3.40e-03	-1.07e-03
700	55	23.31	4.67	-0.38	0.0	2.96e-03	-1.02e-03
700	58	-23.31	-3.69	-0.48	0.0	-2.96e-03	1.02e-03
700	80	22.25	2.32	-0.40	0.0	2.97e-03	-9.32e-04
700	87	20.17	4.15	-0.39	0.0	2.56e-03	-8.88e-04
700	90	-20.17	-3.16	-0.47	0.0	-2.56e-03	8.88e-04
700	119	37.12	6.59	-0.37	0.0	4.63e-03	-1.62e-03
700	120	37.78	4.53	-0.38	0.0	4.85e-03	-1.76e-03
700	122	-37.12	-5.60	-0.49	0.0	-4.63e-03	1.62e-03
700	146	5.30e-04	0.64	-0.55	0.0	0.0	0.0
700	151	4.38e-04	0.52	-0.45	0.0	0.0	0.0
700	156	4.12e-04	0.49	-0.43	0.0	0.0	0.0
701	4	8.05e-04	1.12	-0.80	0.0	0.0	0.0
701	16	32.26	3.46	-0.40	0.0	3.88e-03	-1.31e-03
701	23	31.24	5.77	-0.38	0.0	3.57e-03	-1.35e-03
701	26	-31.24	-4.56	-0.49	0.0	-3.57e-03	1.35e-03
701	48	27.46	2.89	-0.40	0.0	3.37e-03	-1.14e-03
701	55	25.01	5.04	-0.39	0.0	2.90e-03	-1.09e-03
701	58	-25.01	-3.83	-0.49	0.0	-2.90e-03	1.09e-03
701	80	23.87	2.57	-0.41	0.0	2.94e-03	-9.91e-04
701	87	21.65	4.48	-0.39	0.0	2.52e-03	-9.47e-04
701	90	-21.65	-3.27	-0.48	0.0	-2.52e-03	9.47e-04
701	119	39.81	7.06	-0.37	0.0	4.54e-03	-1.72e-03
701	120	40.49	4.91	-0.39	0.0	4.77e-03	-1.87e-03
701	122	-39.81	-5.85	-0.50	0.0	-4.54e-03	1.72e-03
701	146	5.59e-04	0.78	-0.56	0.0	0.0	0.0
701	151	4.63e-04	0.64	-0.46	0.0	0.0	0.0
701	156	4.36e-04	0.61	-0.44	0.0	0.0	0.0
702	4	8.40e-04	1.33	-0.81	0.0	0.0	0.0
702	16	34.43	3.77	-0.40	0.0	3.82e-03	-1.39e-03
702	23	33.30	6.18	-0.39	0.0	3.48e-03	-1.43e-03
702	26	-33.30	-4.74	-0.49	0.0	-3.48e-03	1.43e-03
702	48	29.32	3.17	-0.41	0.0	3.32e-03	-1.21e-03
702	55	26.67	5.40	-0.39	0.0	2.83e-03	-1.16e-03
702	58	-26.67	-3.96	-0.49	0.0	-2.83e-03	1.16e-03
702	80	25.49	2.83	-0.41	0.0	2.89e-03	-1.05e-03
702	87	23.08	4.81	-0.39	0.0	2.45e-03	-1.01e-03
702	90	-23.08	-3.37	-0.49	0.0	-2.45e-03	1.01e-03
702	119	42.44	7.54	-0.37	0.0	4.43e-03	-1.83e-03
702	120	43.16	5.29	-0.39	0.0	4.65e-03	-1.98e-03
702	122	-42.44	-6.10	-0.51	0.0	-4.43e-03	1.83e-03
702	146	5.83e-04	0.93	-0.57	0.0	0.0	0.0
702	151	4.84e-04	0.76	-0.46	0.0	0.0	0.0
702	156	4.55e-04	0.72	-0.44	0.0	0.0	0.0

703	4	8.69e-04	1.55	-0.82	0.0	0.0	0.0
703	16	36.58	4.09	-0.41	0.0	3.76e-03	-1.48e-03
703	23	35.30	6.59	-0.39	0.0	3.39e-03	-1.52e-03
703	26	-35.30	-4.91	-0.50	0.0	-3.39e-03	1.52e-03
703	48	31.16	3.45	-0.41	0.0	3.27e-03	-1.28e-03
703	55	28.28	5.77	-0.39	0.0	2.75e-03	-1.23e-03
703	58	-28.28	-4.09	-0.50	0.0	-2.75e-03	1.23e-03
703	80	27.09	3.09	-0.41	0.0	2.85e-03	-1.12e-03
703	87	24.48	5.15	-0.40	0.0	2.38e-03	-1.07e-03
703	90	-24.48	-3.47	-0.49	0.0	-2.38e-03	1.06e-03
703	119	44.99	8.02	-0.38	0.0	4.31e-03	-1.93e-03
703	120	45.77	5.68	-0.40	0.0	4.53e-03	-2.09e-03
703	122	-44.99	-6.34	-0.51	0.0	-4.31e-03	1.93e-03
703	146	6.03e-04	1.09	-0.57	0.0	0.0	0.0
703	151	5.02e-04	0.88	-0.47	0.0	0.0	0.0
703	156	4.71e-04	0.84	-0.45	0.0	0.0	0.0
704	4	8.95e-04	1.77	-0.84	0.0	0.0	0.0
704	16	38.71	4.40	-0.42	0.0	3.72e-03	-1.57e-03
704	23	37.25	6.99	-0.40	0.0	3.32e-03	-1.60e-03
704	26	-37.25	-5.08	-0.51	0.0	-3.32e-03	1.60e-03
704	48	32.99	3.74	-0.42	0.0	3.23e-03	-1.36e-03
704	55	29.85	6.13	-0.40	0.0	2.69e-03	-1.29e-03
704	58	-29.85	-4.22	-0.51	0.0	-2.69e-03	1.29e-03
704	80	28.68	3.36	-0.42	0.0	2.81e-03	-1.19e-03
704	87	25.84	5.48	-0.41	0.0	2.33e-03	-1.12e-03
704	90	-25.84	-3.57	-0.50	0.0	-2.33e-03	1.12e-03
704	119	47.47	8.50	-0.39	0.0	4.22e-03	-2.03e-03
704	120	48.31	6.06	-0.40	0.0	4.43e-03	-2.20e-03
704	122	-47.47	-6.58	-0.52	0.0	-4.22e-03	2.03e-03
704	146	6.21e-04	1.24	-0.59	0.0	0.0	0.0
704	151	5.17e-04	1.01	-0.48	0.0	0.0	0.0
704	156	4.85e-04	0.96	-0.46	0.0	0.0	0.0
705	4	9.18e-04	1.88	-0.87	-1.21e-04	0.0	0.0
705	16	40.82	4.66	-0.43	-3.99e-04	3.40e-03	-1.66e-03
705	23	39.17	7.34	-0.42	-5.80e-04	3.02e-03	-1.68e-03
705	26	-39.17	-5.30	-0.53	4.40e-04	-3.02e-03	1.68e-03
705	48	34.81	3.97	-0.44	-3.47e-04	2.94e-03	-1.44e-03
705	55	31.39	6.45	-0.42	-5.14e-04	2.44e-03	-1.36e-03
705	58	-31.39	-4.40	-0.53	3.74e-04	-2.44e-03	1.36e-03
705	80	30.27	3.57	-0.44	-3.11e-04	2.57e-03	-1.26e-03
705	87	27.17	5.76	-0.43	-4.59e-04	2.12e-03	-1.18e-03
705	90	-27.17	-3.72	-0.52	3.19e-04	-2.12e-03	1.18e-03
705	119	49.91	8.93	-0.40	-7.05e-04	3.85e-03	-2.14e-03
705	120	50.82	6.39	-0.42	-5.27e-04	4.04e-03	-2.31e-03
705	122	-49.91	-6.88	-0.54	5.66e-04	-3.85e-03	2.14e-03
705	146	6.37e-04	1.31	-0.61	-8.31e-05	0.0	0.0
705	151	5.31e-04	1.08	-0.49	-7.66e-05	0.0	0.0
705	154	5.01e-04	1.05	-0.50	-6.41e-05	0.0	0.0
705	156	4.98e-04	1.02	-0.47	-6.98e-05	0.0	0.0
706	4	7.91e-04	0.92	-0.84	0.0	0.0	0.0
706	16	30.66	3.16	-0.58	0.0	3.98e-03	-1.23e-03
706	23	29.73	5.37	-0.66	0.0	3.71e-03	-1.27e-03
706	48	26.11	2.62	-0.55	0.0	3.46e-03	-1.07e-03
706	55	23.80	4.68	-0.63	0.0	3.02e-03	-1.02e-03
706	80	22.70	2.32	-0.54	0.0	3.02e-03	-9.31e-04
706	87	20.59	4.15	-0.61	0.0	2.62e-03	-8.87e-04
706	119	37.90	6.59	-0.70	0.0	4.72e-03	-1.62e-03
706	120	38.62	4.53	-0.63	0.0	4.95e-03	-1.76e-03
706	146	5.49e-04	0.64	-0.59	0.0	0.0	0.0
706	151	4.54e-04	0.52	-0.48	0.0	0.0	0.0
706	156	4.27e-04	0.50	-0.46	0.0	0.0	0.0
707	4	8.32e-04	1.12	-0.86	0.0	0.0	0.0
707	16	32.89	3.46	-0.59	0.0	3.94e-03	-1.31e-03
707	23	31.89	5.77	-0.67	0.0	3.65e-03	-1.35e-03
707	48	28.00	2.89	-0.56	0.0	3.43e-03	-1.14e-03
707	55	25.53	5.04	-0.64	0.0	2.96e-03	-1.09e-03
707	80	24.34	2.57	-0.55	0.0	2.99e-03	-9.91e-04
707	87	22.09	4.48	-0.62	0.0	2.57e-03	-9.47e-04
707	119	40.64	7.06	-0.72	0.0	4.63e-03	-1.72e-03
707	120	41.38	4.91	-0.64	0.0	4.86e-03	-1.87e-03
707	146	5.78e-04	0.78	-0.60	0.0	0.0	0.0
707	151	4.78e-04	0.64	-0.49	0.0	0.0	0.0
707	156	4.50e-04	0.61	-0.47	0.0	0.0	0.0
708	4	8.70e-04	1.33	-0.87	0.0	0.0	0.0
708	16	35.10	3.77	-0.59	0.0	3.89e-03	-1.39e-03

708	23	33.99	6.18	-0.67	0.0	3.56e-03	-1.43e-03
708	48	29.89	3.17	-0.57	0.0	3.38e-03	-1.21e-03
708	55	27.22	5.40	-0.65	0.0	2.89e-03	-1.16e-03
708	80	25.99	2.83	-0.56	0.0	2.95e-03	-1.05e-03
708	87	23.56	4.81	-0.62	0.0	2.50e-03	-1.01e-03
708	119	43.32	7.54	-0.72	0.0	4.52e-03	-1.83e-03
708	120	44.10	5.29	-0.65	0.0	4.74e-03	-1.98e-03
708	146	6.03e-04	0.93	-0.61	0.0	0.0	0.0
708	151	5.01e-04	0.76	-0.50	0.0	0.0	0.0
708	156	4.71e-04	0.72	-0.48	0.0	0.0	0.0
709	4	9.04e-04	1.55	-0.88	0.0	0.0	0.0
709	16	37.28	4.09	-0.60	0.0	3.84e-03	-1.48e-03
709	23	36.04	6.59	-0.68	0.0	3.46e-03	-1.52e-03
709	48	31.77	3.45	-0.58	0.0	3.33e-03	-1.28e-03
709	55	28.87	5.77	-0.65	0.0	2.81e-03	-1.23e-03
709	80	27.62	3.09	-0.57	0.0	2.91e-03	-1.12e-03
709	87	24.98	5.15	-0.63	0.0	2.43e-03	-1.07e-03
709	119	45.92	8.02	-0.73	0.0	4.40e-03	-1.93e-03
709	120	46.76	5.68	-0.65	0.0	4.62e-03	-2.09e-03
709	146	6.27e-04	1.09	-0.62	0.0	0.0	0.0
709	151	5.22e-04	0.88	-0.51	0.0	0.0	0.0
709	156	4.90e-04	0.84	-0.48	0.0	0.0	0.0
710	4	9.37e-04	1.76	-0.90	0.0	0.0	0.0
710	16	39.45	4.40	-0.61	0.0	3.80e-03	-1.57e-03
710	23	38.03	6.99	-0.69	0.0	3.39e-03	-1.60e-03
710	48	33.63	3.74	-0.59	0.0	3.30e-03	-1.36e-03
710	55	30.47	6.13	-0.66	0.0	2.74e-03	-1.29e-03
710	80	29.24	3.36	-0.57	0.0	2.87e-03	-1.19e-03
710	87	26.37	5.48	-0.64	0.0	2.38e-03	-1.12e-03
710	119	48.46	8.50	-0.74	0.0	4.31e-03	-2.03e-03
710	120	49.36	6.06	-0.66	0.0	4.52e-03	-2.20e-03
710	146	6.50e-04	1.23	-0.63	0.0	0.0	0.0
710	151	5.41e-04	1.01	-0.51	0.0	0.0	0.0
710	156	5.08e-04	0.95	-0.49	0.0	0.0	0.0
711	4	9.69e-04	1.88	-0.92	-1.25e-04	0.0	0.0
711	16	41.61	4.66	-0.62	-4.00e-04	3.40e-03	-1.65e-03
711	23	39.98	7.35	-0.70	-5.82e-04	3.02e-03	-1.68e-03
711	48	35.49	3.97	-0.60	-3.48e-04	2.94e-03	-1.44e-03
711	55	32.04	6.45	-0.67	-5.16e-04	2.44e-03	-1.36e-03
711	80	30.86	3.57	-0.59	-3.12e-04	2.57e-03	-1.26e-03
711	87	27.73	5.76	-0.65	-4.61e-04	2.12e-03	-1.18e-03
711	119	50.94	8.93	-0.75	-7.07e-04	3.85e-03	-2.13e-03
711	120	51.92	6.39	-0.67	-5.29e-04	4.04e-03	-2.30e-03
711	146	6.72e-04	1.31	-0.64	-8.61e-05	0.0	0.0
711	151	5.60e-04	1.08	-0.52	-7.85e-05	0.0	0.0
711	156	5.25e-04	1.02	-0.50	-7.18e-05	0.0	0.0
712	4	6.76e-04	0.90	-0.73	0.0	0.0	0.0
712	16	29.48	-3.82	-0.68	0.0	3.86e-03	-1.23e-03
712	28	28.51	-4.39	-0.71	0.0	3.58e-03	-1.27e-03
712	29	-28.51	5.37	-0.09	0.0	-3.58e-03	1.27e-03
712	48	25.09	-3.34	-0.66	0.0	3.35e-03	-1.07e-03
712	60	22.83	-3.69	-0.67	0.0	2.91e-03	-1.02e-03
712	61	-22.83	4.67	-0.12	0.0	-2.91e-03	1.02e-03
712	80	21.81	-2.86	-0.63	0.0	2.92e-03	-9.32e-04
712	92	19.76	-3.16	-0.64	0.0	2.52e-03	-8.89e-04
712	93	-19.76	4.14	-0.16	0.0	-2.52e-03	8.88e-04
712	120	36.94	-5.46	-0.77	0.0	4.77e-03	-1.76e-03
712	124	36.34	-5.61	-0.78	0.0	4.55e-03	-1.62e-03
712	125	-36.34	6.58	-0.01	0.0	-4.55e-03	1.62e-03
712	146	4.70e-04	0.63	-0.51	0.0	0.0	0.0
712	151	3.86e-04	0.51	-0.42	0.0	0.0	0.0
712	156	3.65e-04	0.49	-0.40	0.0	0.0	0.0
713	4	7.26e-04	0.91	-0.79	0.0	0.0	0.0
713	16	30.07	-3.81	-0.48	0.0	3.92e-03	-1.23e-03
713	28	29.13	-4.38	-0.48	0.0	3.64e-03	-1.27e-03
713	29	-29.12	5.37	-0.38	0.0	-3.64e-03	1.27e-03
713	48	25.60	-3.34	-0.47	0.0	3.40e-03	-1.07e-03
713	60	23.31	-3.69	-0.48	0.0	2.96e-03	-1.02e-03
713	61	-23.31	4.67	-0.38	0.0	-2.96e-03	1.02e-03
713	80	22.25	-2.86	-0.47	0.0	2.97e-03	-9.32e-04
713	92	20.17	-3.16	-0.47	0.0	2.57e-03	-8.88e-04
713	93	-20.17	4.15	-0.39	0.0	-2.57e-03	8.88e-04
713	120	37.78	-5.46	-0.49	0.0	4.85e-03	-1.76e-03
713	124	37.12	-5.60	-0.49	0.0	4.63e-03	-1.62e-03
713	125	-37.12	6.59	-0.37	0.0	-4.63e-03	1.62e-03

713	146	5.04e-04	0.64	-0.55	0.0	0.0	0.0
713	151	4.15e-04	0.52	-0.45	0.0	0.0	0.0
713	156	3.91e-04	0.49	-0.43	0.0	0.0	0.0
714	4	6.96e-04	1.12	-0.72	0.0	0.0	0.0
714	16	31.63	-3.98	-0.67	0.0	3.82e-03	-1.31e-03
714	28	30.59	-4.56	-0.70	0.0	3.51e-03	-1.35e-03
714	29	-30.59	5.77	-0.08	0.0	-3.51e-03	1.35e-03
714	48	26.92	-3.47	-0.65	0.0	3.31e-03	-1.14e-03
714	60	24.50	-3.83	-0.66	0.0	2.85e-03	-1.09e-03
714	61	-24.50	5.04	-0.12	0.0	-2.85e-03	1.09e-03
714	80	23.40	-2.96	-0.62	0.0	2.89e-03	-9.91e-04
714	92	21.20	-3.27	-0.63	0.0	2.47e-03	-9.47e-04
714	93	-21.20	4.48	-0.15	0.0	-2.47e-03	9.47e-04
714	120	39.60	-5.71	-0.76	0.0	4.68e-03	-1.87e-03
714	124	38.98	-5.86	-0.77	0.0	4.47e-03	-1.72e-03
714	125	-38.98	7.06	-9.10e-03	0.0	-4.47e-03	1.72e-03
714	146	4.84e-04	0.78	-0.50	0.0	0.0	0.0
714	151	3.98e-04	0.64	-0.41	0.0	0.0	0.0
714	156	3.76e-04	0.60	-0.39	0.0	0.0	0.0
715	4	7.51e-04	1.12	-0.80	0.0	0.0	0.0
715	16	32.26	-3.98	-0.48	0.0	3.88e-03	-1.31e-03
715	28	31.24	-4.56	-0.49	0.0	3.58e-03	-1.35e-03
715	29	-31.24	5.77	-0.38	0.0	-3.58e-03	1.35e-03
715	48	27.46	-3.47	-0.48	0.0	3.37e-03	-1.14e-03
715	60	25.01	-3.83	-0.49	0.0	2.90e-03	-1.09e-03
715	61	-25.01	5.04	-0.39	0.0	-2.90e-03	1.09e-03
715	80	23.87	-2.96	-0.48	0.0	2.94e-03	-9.91e-04
715	92	21.65	-3.27	-0.48	0.0	2.52e-03	-9.47e-04
715	93	-21.65	4.48	-0.39	0.0	-2.52e-03	9.47e-04
715	120	40.49	-5.71	-0.50	0.0	4.77e-03	-1.87e-03
715	124	39.81	-5.86	-0.50	0.0	4.54e-03	-1.72e-03
715	125	-39.81	7.07	-0.37	0.0	-4.54e-03	1.72e-03
715	146	5.22e-04	0.78	-0.56	0.0	0.0	0.0
715	151	4.30e-04	0.64	-0.46	0.0	0.0	0.0
715	156	4.06e-04	0.61	-0.44	0.0	0.0	0.0
716	4	7.29e-04	1.33	-0.72	0.0	0.0	0.0
716	16	33.77	-4.13	-0.67	0.0	3.76e-03	-1.39e-03
716	28	32.61	-4.74	-0.69	0.0	3.42e-03	-1.44e-03
716	29	-32.61	6.18	-0.09	0.0	-3.42e-03	1.44e-03
716	48	28.74	-3.60	-0.65	0.0	3.26e-03	-1.21e-03
716	60	26.12	-3.96	-0.66	0.0	2.77e-03	-1.16e-03
716	61	-26.12	5.40	-0.12	0.0	-2.77e-03	1.16e-03
716	80	24.99	-3.06	-0.62	0.0	2.84e-03	-1.05e-03
716	92	22.61	-3.37	-0.63	0.0	2.41e-03	-1.01e-03
716	93	-22.61	4.81	-0.15	0.0	-2.41e-03	1.01e-03
716	120	42.22	-5.95	-0.76	0.0	4.56e-03	-1.98e-03
716	124	41.56	-6.10	-0.77	0.0	4.35e-03	-1.83e-03
716	125	-41.56	7.55	-0.01	0.0	-4.35e-03	1.83e-03
716	146	5.07e-04	0.93	-0.50	0.0	0.0	0.0
716	151	4.18e-04	0.76	-0.41	0.0	0.0	0.0
716	156	3.94e-04	0.72	-0.39	0.0	0.0	0.0
717	4	7.85e-04	1.33	-0.81	0.0	0.0	0.0
717	16	34.43	-4.13	-0.49	0.0	3.82e-03	-1.39e-03
717	28	33.30	-4.74	-0.49	0.0	3.48e-03	-1.44e-03
717	29	-33.30	6.18	-0.39	0.0	-3.48e-03	1.44e-03
717	48	29.32	-3.60	-0.49	0.0	3.32e-03	-1.21e-03
717	60	26.67	-3.96	-0.49	0.0	2.83e-03	-1.16e-03
717	61	-26.67	5.40	-0.39	0.0	-2.83e-03	1.16e-03
717	80	25.49	-3.06	-0.48	0.0	2.89e-03	-1.05e-03
717	92	23.08	-3.37	-0.49	0.0	2.45e-03	-1.01e-03
717	93	-23.08	4.81	-0.39	0.0	-2.45e-03	1.01e-03
717	120	43.16	-5.95	-0.51	0.0	4.65e-03	-1.98e-03
717	124	42.44	-6.10	-0.51	0.0	4.43e-03	-1.83e-03
717	125	-42.44	7.55	-0.37	0.0	-4.43e-03	1.83e-03
717	146	5.46e-04	0.93	-0.57	0.0	0.0	0.0
717	151	4.51e-04	0.76	-0.46	0.0	0.0	0.0
717	156	4.25e-04	0.72	-0.44	0.0	0.0	0.0
718	4	7.70e-04	1.56	-0.73	0.0	0.0	0.0
718	16	35.88	-4.28	-0.68	0.0	3.70e-03	-1.48e-03
718	28	34.57	-4.91	-0.70	0.0	3.33e-03	-1.52e-03
718	29	-34.57	6.59	-0.09	0.0	-3.33e-03	1.52e-03
718	48	30.55	-3.73	-0.65	0.0	3.21e-03	-1.28e-03
718	60	27.70	-4.09	-0.66	0.0	2.70e-03	-1.23e-03
718	61	-27.70	5.77	-0.13	0.0	-2.70e-03	1.23e-03
718	80	26.56	-3.16	-0.62	0.0	2.80e-03	-1.12e-03

718	92	23.98	-3.47	-0.63	0.0	2.34e-03	-1.07e-03
718	93	-23.97	5.15	-0.16	0.0	-2.34e-03	1.07e-03
718	120	44.77	-6.18	-0.76	0.0	4.44e-03	-2.09e-03
718	124	44.05	-6.34	-0.77	0.0	4.23e-03	-1.93e-03
718	125	-44.05	8.03	-0.02	0.0	-4.23e-03	1.93e-03
718	146	5.35e-04	1.09	-0.51	0.0	0.0	0.0
718	151	4.42e-04	0.89	-0.41	0.0	0.0	0.0
718	154	4.23e-04	0.87	-0.41	0.0	0.0	0.0
718	156	4.17e-04	0.84	-0.40	0.0	0.0	0.0
719	4	8.26e-04	1.55	-0.82	0.0	0.0	0.0
719	16	36.58	-4.28	-0.50	0.0	3.76e-03	-1.48e-03
719	28	35.31	-4.91	-0.50	0.0	3.39e-03	-1.52e-03
719	29	-35.30	6.59	-0.39	0.0	-3.39e-03	1.52e-03
719	48	31.16	-3.73	-0.50	0.0	3.27e-03	-1.28e-03
719	60	28.29	-4.09	-0.50	0.0	2.75e-03	-1.23e-03
719	61	-28.29	5.77	-0.39	0.0	-2.75e-03	1.23e-03
719	80	27.09	-3.16	-0.49	0.0	2.85e-03	-1.12e-03
719	92	24.48	-3.47	-0.49	0.0	2.38e-03	-1.07e-03
719	93	-24.48	5.15	-0.40	0.0	-2.38e-03	1.07e-03
719	120	45.77	-6.18	-0.51	0.0	4.53e-03	-2.09e-03
719	124	44.99	-6.35	-0.51	0.0	4.31e-03	-1.93e-03
719	125	-44.99	8.03	-0.38	0.0	-4.31e-03	1.93e-03
719	146	5.74e-04	1.09	-0.57	0.0	0.0	0.0
719	151	4.75e-04	0.88	-0.47	0.0	0.0	0.0
719	156	4.47e-04	0.84	-0.45	0.0	0.0	0.0
720	4	8.16e-04	1.78	-0.76	0.0	0.0	0.0
720	11	7.09e-04	1.67	-0.76	0.0	0.0	0.0
720	16	37.96	-4.43	-0.69	0.0	3.65e-03	-1.57e-03
720	28	36.48	-5.07	-0.71	0.0	3.26e-03	-1.60e-03
720	29	-36.48	7.00	-0.11	0.0	-3.26e-03	1.60e-03
720	48	32.35	-3.85	-0.67	0.0	3.17e-03	-1.36e-03
720	60	29.24	-4.21	-0.68	0.0	2.64e-03	-1.29e-03
720	61	-29.24	6.14	-0.14	0.0	-2.64e-03	1.29e-03
720	80	28.12	-3.25	-0.64	0.0	2.76e-03	-1.19e-03
720	92	25.30	-3.56	-0.64	0.0	2.29e-03	-1.12e-03
720	93	-25.30	5.49	-0.18	0.0	-2.29e-03	1.12e-03
720	120	47.27	-6.41	-0.78	0.0	4.35e-03	-2.20e-03
720	124	46.49	-6.58	-0.79	0.0	4.14e-03	-2.04e-03
720	125	-46.48	8.51	-0.04	0.0	-4.14e-03	2.04e-03
720	146	5.67e-04	1.25	-0.53	0.0	0.0	0.0
720	149	4.95e-04	1.17	-0.53	0.0	0.0	0.0
720	151	4.70e-04	1.01	-0.43	0.0	0.0	0.0
720	154	4.47e-04	1.00	-0.43	0.0	0.0	0.0
720	156	4.42e-04	0.96	-0.41	0.0	0.0	0.0
721	4	8.71e-04	1.77	-0.84	0.0	0.0	0.0
721	16	38.71	-4.44	-0.51	0.0	3.72e-03	-1.57e-03
721	28	37.26	-5.08	-0.51	0.0	3.32e-03	-1.60e-03
721	29	-37.25	6.99	-0.40	0.0	-3.32e-03	1.60e-03
721	48	32.99	-3.85	-0.51	0.0	3.23e-03	-1.36e-03
721	60	29.86	-4.22	-0.51	0.0	2.69e-03	-1.29e-03
721	61	-29.85	6.13	-0.40	0.0	-2.69e-03	1.29e-03
721	80	28.68	-3.25	-0.50	0.0	2.81e-03	-1.19e-03
721	92	25.84	-3.57	-0.50	0.0	2.33e-03	-1.12e-03
721	93	-25.84	5.48	-0.41	0.0	-2.33e-03	1.12e-03
721	120	48.31	-6.42	-0.52	0.0	4.43e-03	-2.20e-03
721	124	47.47	-6.59	-0.52	0.0	4.22e-03	-2.04e-03
721	125	-47.47	8.50	-0.39	0.0	-4.22e-03	2.04e-03
721	146	6.04e-04	1.24	-0.59	0.0	0.0	0.0
721	151	5.02e-04	1.01	-0.48	0.0	0.0	0.0
721	156	4.72e-04	0.96	-0.46	0.0	0.0	0.0
722	4	8.66e-04	1.88	-0.82	-1.22e-04	0.0	0.0
722	11	7.42e-04	1.73	-0.84	-6.81e-05	0.0	0.0
722	16	40.04	-4.65	-0.72	3.99e-04	3.40e-03	-1.66e-03
722	28	38.35	-5.31	-0.74	4.39e-04	3.02e-03	-1.68e-03
722	29	-38.35	7.35	-0.14	-5.80e-04	-3.02e-03	1.68e-03
722	48	34.13	-4.03	-0.70	3.55e-04	2.94e-03	-1.44e-03
722	60	30.74	-4.41	-0.71	3.74e-04	2.45e-03	-1.36e-03
722	61	-30.74	6.45	-0.17	-5.15e-04	-2.45e-03	1.36e-03
722	80	29.68	-3.40	-0.67	3.03e-04	2.57e-03	-1.26e-03
722	92	26.61	-3.72	-0.67	3.19e-04	2.12e-03	-1.18e-03
722	93	-26.61	5.76	-0.21	-4.60e-04	-2.12e-03	1.18e-03
722	112	49.84	-5.94	-0.78	5.05e-04	4.21e-03	-2.05e-03
722	124	48.87	-6.89	-0.82	5.65e-04	3.85e-03	-2.14e-03
722	125	-48.87	8.93	-0.07	-7.06e-04	-3.85e-03	2.14e-03
722	146	6.01e-04	1.31	-0.57	-8.38e-05	0.0	0.0

722	149	5.18e-04	1.21	-0.59	-4.76e-05	0.0	0.0
722	151	5.00e-04	1.08	-0.46	-7.75e-05	0.0	0.0
722	154	4.73e-04	1.05	-0.47	-6.45e-05	0.0	0.0
722	156	4.70e-04	1.02	-0.44	-7.05e-05	0.0	0.0
723	4	9.18e-04	1.88	-0.87	-1.21e-04	0.0	0.0
723	16	40.82	-4.65	-0.53	4.00e-04	3.40e-03	-1.66e-03
723	28	39.17	-5.31	-0.53	4.40e-04	3.02e-03	-1.68e-03
723	29	-39.17	7.35	-0.42	-5.80e-04	-3.02e-03	1.68e-03
723	48	34.81	-4.03	-0.52	3.55e-04	2.94e-03	-1.44e-03
723	60	31.40	-4.41	-0.53	3.75e-04	2.45e-03	-1.36e-03
723	61	-31.39	6.45	-0.42	-5.14e-04	-2.45e-03	1.36e-03
723	80	30.27	-3.40	-0.52	3.03e-04	2.57e-03	-1.26e-03
723	92	27.17	-3.72	-0.52	3.19e-04	2.12e-03	-1.18e-03
723	93	-27.17	5.76	-0.43	-4.59e-04	-2.12e-03	1.18e-03
723	120	50.82	-6.71	-0.54	5.52e-04	4.04e-03	-2.31e-03
723	124	49.91	-6.89	-0.54	5.66e-04	3.85e-03	-2.14e-03
723	125	-49.91	8.93	-0.40	-7.05e-04	-3.85e-03	2.14e-03
723	146	6.37e-04	1.31	-0.61	-8.30e-05	0.0	0.0
723	151	5.30e-04	1.08	-0.49	-7.66e-05	0.0	0.0
723	154	5.01e-04	1.05	-0.50	-6.41e-05	0.0	0.0
723	156	4.98e-04	1.02	-0.47	-6.97e-05	0.0	0.0
724	4	7.74e-04	0.92	-0.84	0.0	0.0	0.0
724	16	30.66	-3.81	-0.29	0.0	3.98e-03	-1.23e-03
724	29	-29.73	5.37	-0.66	0.0	-3.71e-03	1.27e-03
724	48	26.11	-3.33	-0.30	0.0	3.46e-03	-1.07e-03
724	61	-23.80	4.68	-0.63	0.0	-3.02e-03	1.02e-03
724	80	22.70	-2.86	-0.32	0.0	3.02e-03	-9.31e-04
724	93	-20.59	4.15	-0.61	0.0	-2.62e-03	8.87e-04
724	120	38.62	-5.45	-0.22	0.0	4.95e-03	-1.76e-03
724	125	-37.90	6.59	-0.70	0.0	-4.72e-03	1.62e-03
724	146	5.38e-04	0.64	-0.59	0.0	0.0	0.0
724	151	4.43e-04	0.52	-0.48	0.0	0.0	0.0
724	156	4.17e-04	0.50	-0.46	0.0	0.0	0.0
725	4	8.06e-04	1.12	-0.86	0.0	0.0	0.0
725	16	32.89	-3.98	-0.29	0.0	3.94e-03	-1.31e-03
725	29	-31.89	5.77	-0.67	0.0	-3.65e-03	1.35e-03
725	48	28.00	-3.47	-0.31	0.0	3.43e-03	-1.14e-03
725	61	-25.53	5.04	-0.64	0.0	-2.96e-03	1.09e-03
725	80	24.34	-2.96	-0.33	0.0	2.99e-03	-9.91e-04
725	93	-22.09	4.48	-0.62	0.0	-2.57e-03	9.47e-04
725	120	41.38	-5.71	-0.23	0.0	4.86e-03	-1.87e-03
725	125	-40.64	7.07	-0.72	0.0	-4.64e-03	1.72e-03
725	146	5.60e-04	0.78	-0.60	0.0	0.0	0.0
725	151	4.62e-04	0.64	-0.49	0.0	0.0	0.0
725	156	4.35e-04	0.61	-0.47	0.0	0.0	0.0
726	4	8.42e-04	1.33	-0.87	0.0	0.0	0.0
726	16	35.10	-4.13	-0.30	0.0	3.89e-03	-1.39e-03
726	29	-33.99	6.18	-0.67	0.0	-3.56e-03	1.44e-03
726	48	29.89	-3.60	-0.32	0.0	3.38e-03	-1.21e-03
726	61	-27.22	5.40	-0.65	0.0	-2.89e-03	1.16e-03
726	80	25.99	-3.06	-0.34	0.0	2.95e-03	-1.05e-03
726	93	-23.56	4.81	-0.62	0.0	-2.50e-03	1.01e-03
726	120	44.10	-5.95	-0.24	0.0	4.74e-03	-1.98e-03
726	125	-43.32	7.55	-0.72	0.0	-4.52e-03	1.83e-03
726	146	5.85e-04	0.93	-0.61	0.0	0.0	0.0
726	151	4.84e-04	0.76	-0.50	0.0	0.0	0.0
726	156	4.55e-04	0.72	-0.48	0.0	0.0	0.0
727	4	8.82e-04	1.55	-0.88	0.0	0.0	0.0
727	16	37.28	-4.28	-0.30	0.0	3.84e-03	-1.48e-03
727	29	-36.04	6.59	-0.68	0.0	-3.46e-03	1.52e-03
727	48	31.77	-3.73	-0.32	0.0	3.33e-03	-1.28e-03
727	61	-28.87	5.77	-0.65	0.0	-2.81e-03	1.23e-03
727	80	27.62	-3.16	-0.34	0.0	2.91e-03	-1.12e-03
727	93	-24.99	5.15	-0.63	0.0	-2.43e-03	1.07e-03
727	120	46.76	-6.18	-0.24	0.0	4.62e-03	-2.09e-03
727	125	-45.92	8.03	-0.73	0.0	-4.40e-03	1.93e-03
727	146	6.12e-04	1.09	-0.62	0.0	0.0	0.0
727	151	5.08e-04	0.88	-0.51	0.0	0.0	0.0
727	156	4.77e-04	0.84	-0.48	0.0	0.0	0.0
728	4	9.25e-04	1.76	-0.90	0.0	0.0	0.0
728	16	39.45	-4.44	-0.31	0.0	3.80e-03	-1.57e-03
728	29	-38.03	6.99	-0.69	0.0	-3.39e-03	1.60e-03
728	48	33.63	-3.86	-0.33	0.0	3.30e-03	-1.36e-03
728	61	-30.47	6.13	-0.66	0.0	-2.74e-03	1.29e-03
728	80	29.24	-3.26	-0.35	0.0	2.87e-03	-1.19e-03

728	93	-26.37	5.48	-0.64	0.0	-2.38e-03	1.12e-03
728	120	49.36	-6.42	-0.25	0.0	4.52e-03	-2.20e-03
728	125	-48.46	8.50	-0.74	0.0	-4.31e-03	2.04e-03
728	146	6.41e-04	1.23	-0.63	0.0	0.0	0.0
728	151	5.34e-04	1.00	-0.51	0.0	0.0	0.0
728	156	5.01e-04	0.95	-0.49	0.0	0.0	0.0
729	4	9.69e-04	1.88	-0.92	-1.25e-04	0.0	0.0
729	16	41.61	-4.65	-0.32	3.98e-04	3.40e-03	-1.65e-03
729	29	-39.98	7.35	-0.70	-5.82e-04	-3.02e-03	1.68e-03
729	48	35.49	-4.03	-0.34	3.53e-04	2.94e-03	-1.44e-03
729	61	-32.05	6.45	-0.67	-5.16e-04	-2.45e-03	1.36e-03
729	80	30.86	-3.40	-0.36	3.01e-04	2.57e-03	-1.26e-03
729	93	-27.74	5.76	-0.65	-4.61e-04	-2.12e-03	1.18e-03
729	120	51.92	-6.71	-0.26	5.50e-04	4.04e-03	-2.30e-03
729	125	-50.95	8.93	-0.75	-7.07e-04	-3.85e-03	2.13e-03
729	146	6.72e-04	1.31	-0.64	-8.61e-05	0.0	0.0
729	151	5.60e-04	1.08	-0.52	-7.85e-05	0.0	0.0
729	156	5.25e-04	1.02	-0.50	-7.18e-05	0.0	0.0
730	4	8.21e-04	0.92	-0.93	0.0	0.0	0.0
730	16	31.26	-3.81	-0.10	0.0	4.03e-03	-1.23e-03
730	29	-30.34	5.37	-0.96	0.0	-3.77e-03	1.27e-03
730	48	26.62	-3.33	-0.14	0.0	3.51e-03	-1.07e-03
730	61	-24.28	4.68	-0.90	0.0	-3.07e-03	1.02e-03
730	80	23.14	-2.85	-0.19	0.0	3.06e-03	-9.30e-04
730	93	-21.01	4.15	-0.85	0.0	-2.66e-03	8.87e-04
730	120	39.46	-5.45	0.04	0.0	5.03e-03	-1.76e-03
730	125	-38.68	6.59	-1.07	0.0	-4.79e-03	1.62e-03
730	146	5.70e-04	0.64	-0.65	0.0	0.0	0.0
730	151	4.71e-04	0.52	-0.53	0.0	0.0	0.0
730	156	4.43e-04	0.50	-0.51	0.0	0.0	0.0
731	4	8.60e-04	1.12	-0.96	0.0	0.0	0.0
731	16	33.51	-3.98	-0.12	0.0	4.01e-03	-1.31e-03
731	29	-32.54	5.78	-0.97	0.0	-3.71e-03	1.35e-03
731	48	28.55	-3.47	-0.16	0.0	3.48e-03	-1.14e-03
731	61	-26.04	5.04	-0.91	0.0	-3.02e-03	1.09e-03
731	80	24.82	-2.96	-0.21	0.0	3.04e-03	-9.91e-04
731	93	-22.54	4.48	-0.86	0.0	-2.62e-03	9.47e-04
731	120	42.28	-5.71	0.02	0.0	4.95e-03	-1.87e-03
731	125	-41.47	7.07	-1.08	0.0	-4.72e-03	1.72e-03
731	146	5.97e-04	0.78	-0.67	0.0	0.0	0.0
731	151	4.94e-04	0.64	-0.55	0.0	0.0	0.0
731	156	4.65e-04	0.61	-0.53	0.0	0.0	0.0
732	4	8.99e-04	1.33	-0.98	0.0	0.0	0.0
732	16	35.76	-4.13	-0.13	0.0	3.96e-03	-1.39e-03
732	29	-34.68	6.18	-0.98	0.0	-3.62e-03	1.44e-03
732	48	30.47	-3.60	-0.17	0.0	3.44e-03	-1.21e-03
732	61	-27.77	5.40	-0.92	0.0	-2.94e-03	1.16e-03
732	80	26.49	-3.06	-0.22	0.0	3.00e-03	-1.05e-03
732	93	-24.03	4.81	-0.87	0.0	-2.55e-03	1.01e-03
732	120	45.05	-5.95	8.69e-03	0.0	4.83e-03	-1.98e-03
732	125	-44.20	7.55	-1.09	0.0	-4.60e-03	1.83e-03
732	146	6.23e-04	0.93	-0.69	0.0	0.0	0.0
732	151	5.17e-04	0.76	-0.56	0.0	0.0	0.0
732	156	4.86e-04	0.72	-0.54	0.0	0.0	0.0
733	4	9.38e-04	1.55	-0.99	0.0	0.0	0.0
733	16	37.99	-4.28	-0.13	0.0	3.91e-03	-1.48e-03
733	29	-36.77	6.59	-0.99	0.0	-3.52e-03	1.52e-03
733	48	32.38	-3.73	-0.18	0.0	3.39e-03	-1.28e-03
733	61	-29.45	5.77	-0.93	0.0	-2.86e-03	1.23e-03
733	80	28.16	-3.16	-0.22	0.0	2.96e-03	-1.12e-03
733	93	-25.49	5.15	-0.88	0.0	-2.48e-03	1.07e-03
733	120	47.76	-6.18	2.93e-03	0.0	4.70e-03	-2.09e-03
733	125	-46.86	8.03	-1.10	0.0	-4.48e-03	1.93e-03
733	146	6.51e-04	1.09	-0.69	0.0	0.0	0.0
733	151	5.41e-04	0.88	-0.57	0.0	0.0	0.0
733	156	5.08e-04	0.84	-0.54	0.0	0.0	0.0
734	4	9.79e-04	1.76	-0.99	0.0	0.0	0.0
734	16	40.20	-4.44	-0.13	0.0	3.86e-03	-1.57e-03
734	29	-38.80	6.99	-0.99	0.0	-3.45e-03	1.60e-03
734	48	34.28	-3.86	-0.18	0.0	3.35e-03	-1.36e-03
734	61	-31.09	6.13	-0.93	0.0	-2.79e-03	1.29e-03
734	80	29.81	-3.26	-0.22	0.0	2.93e-03	-1.19e-03
734	93	-26.91	5.48	-0.88	0.0	-2.42e-03	1.12e-03
734	120	50.41	-6.42	1.74e-03	0.0	4.60e-03	-2.20e-03
734	125	-49.44	8.50	-1.10	0.0	-4.38e-03	2.04e-03

734	146	6.79e-04	1.23	-0.69	0.0	0.0	0.0
734	151	5.65e-04	1.00	-0.57	0.0	0.0	0.0
734	156	5.30e-04	0.95	-0.54	0.0	0.0	0.0
735	4	1.02e-03	1.88	-1.00	-1.28e-04	0.0	0.0
735	16	42.40	-4.65	-0.14	3.96e-04	3.40e-03	-1.65e-03
735	29	-40.79	7.35	-0.99	-5.83e-04	-3.02e-03	1.67e-03
735	48	36.17	-4.03	-0.18	3.51e-04	2.94e-03	-1.44e-03
735	61	-32.69	6.45	-0.93	-5.17e-04	-2.45e-03	1.36e-03
735	80	31.45	-3.40	-0.22	3.00e-04	2.57e-03	-1.26e-03
735	93	-28.30	5.76	-0.88	-4.62e-04	-2.12e-03	1.18e-03
735	120	53.01	-6.71	-1.43e-03	5.48e-04	4.04e-03	-2.30e-03
735	125	-51.98	8.93	-1.10	-7.09e-04	-3.85e-03	2.13e-03
735	146	7.06e-04	1.31	-0.70	-8.81e-05	0.0	0.0
735	151	5.90e-04	1.08	-0.57	-7.99e-05	0.0	0.0
735	156	5.53e-04	1.02	-0.54	-7.32e-05	0.0	0.0
736	3	4.87e-03	0.96	-0.90	0.0	5.05e-06	4.84e-06
736	4	4.46e-03	1.01	-0.95	0.0	4.28e-06	4.56e-06
736	16	22.53	-3.73	-0.73	0.0	3.04e-03	-1.34e-03
736	19	22.53	-2.10	-0.80	0.0	3.04e-03	-1.34e-03
736	29	-20.83	5.39	-0.37	0.0	-2.69e-03	1.37e-03
736	48	19.18	-3.26	-0.70	0.0	2.62e-03	-1.16e-03
736	51	19.18	-1.56	-0.76	0.0	2.62e-03	-1.16e-03
736	61	-16.68	4.70	-0.40	0.0	-2.16e-03	1.10e-03
736	80	16.67	-2.78	-0.67	0.0	2.28e-03	-1.01e-03
736	83	16.67	-1.27	-0.73	0.0	2.28e-03	-1.01e-03
736	93	-14.44	4.17	-0.42	0.0	-1.87e-03	9.54e-04
736	112	28.06	-4.71	-0.78	0.0	3.77e-03	-1.66e-03
736	115	28.05	-2.82	-0.86	0.0	3.77e-03	-1.66e-03
736	125	-26.55	6.60	-0.32	0.0	-3.43e-03	1.74e-03
736	145	3.37e-03	0.67	-0.63	0.0	3.46e-06	3.35e-06
736	146	3.10e-03	0.71	-0.67	0.0	2.95e-06	3.16e-06
736	151	2.78e-03	0.58	-0.56	0.0	2.75e-06	2.76e-06
736	156	2.58e-03	0.55	-0.53	0.0	2.52e-06	2.56e-06
737	3	2.69e-03	0.96	-1.17	0.0	3.30e-06	3.27e-06
737	4	2.39e-03	1.02	-1.24	0.0	2.75e-06	3.03e-06
737	16	23.14	-3.73	-0.76	0.0	3.13e-03	-1.30e-03
737	29	-21.55	5.39	-0.64	0.0	-2.79e-03	1.33e-03
737	39	7.48	2.40	-0.90	0.0	1.16e-03	-5.72e-04
737	48	19.69	-3.26	-0.75	0.0	2.70e-03	-1.13e-03
737	61	-17.27	4.70	-0.64	0.0	-2.24e-03	1.07e-03
737	71	6.44	2.66	-0.90	0.0	1.06e-03	-5.36e-04
737	80	17.12	-2.78	-0.74	0.0	2.35e-03	-9.81e-04
737	93	-14.95	4.18	-0.65	0.0	-1.94e-03	9.29e-04
737	103	5.60	2.45	-0.88	0.0	9.27e-04	-4.71e-04
737	112	28.82	-4.71	-0.78	0.0	3.88e-03	-1.61e-03
737	125	-27.47	6.60	-0.63	0.0	-3.55e-03	1.70e-03
737	135	9.28	2.63	-0.94	0.0	1.42e-03	-6.91e-04
737	145	1.86e-03	0.67	-0.83	0.0	2.27e-06	2.26e-06
737	146	1.66e-03	0.71	-0.87	0.0	1.90e-06	2.10e-06
737	151	1.52e-03	0.58	-0.72	0.0	1.80e-06	1.86e-06
737	156	1.41e-03	0.55	-0.69	0.0	1.65e-06	1.73e-06
738	3	6.87e-03	1.12	-0.90	0.0	1.44e-06	4.86e-06
738	4	5.97e-03	1.18	-0.96	0.0	0.0	4.33e-06
738	16	24.24	-3.92	-0.74	0.0	2.98e-03	-1.43e-03
738	19	24.24	-2.20	-0.80	0.0	2.98e-03	-1.43e-03
738	29	-22.38	5.78	-0.37	0.0	-2.64e-03	1.46e-03
738	48	20.63	-3.42	-0.70	0.0	2.57e-03	-1.24e-03
738	51	20.63	-1.63	-0.77	0.0	2.57e-03	-1.24e-03
738	61	-17.91	5.04	-0.41	0.0	-2.13e-03	1.18e-03
738	80	17.94	-2.91	-0.68	0.0	2.24e-03	-1.08e-03
738	83	17.94	-1.32	-0.74	0.0	2.24e-03	-1.08e-03
738	93	-15.50	4.49	-0.42	0.0	-1.84e-03	1.02e-03
738	112	30.18	-4.96	-0.79	0.0	3.70e-03	-1.78e-03
738	115	30.18	-2.97	-0.86	0.0	3.70e-03	-1.78e-03
738	125	-28.52	7.06	-0.32	0.0	-3.37e-03	1.86e-03
738	145	4.73e-03	0.78	-0.64	0.0	0.0	3.33e-06
738	146	4.13e-03	0.82	-0.67	0.0	0.0	2.98e-06
738	151	3.80e-03	0.68	-0.56	0.0	0.0	2.67e-06
738	156	3.49e-03	0.64	-0.53	0.0	0.0	2.45e-06
739	3	4.28e-03	1.12	-1.17	0.0	1.49e-06	4.18e-06
739	4	3.64e-03	1.18	-1.24	0.0	1.05e-06	3.68e-06
739	16	24.91	-3.92	-0.77	0.0	3.07e-03	-1.40e-03
739	29	-23.16	5.78	-0.64	0.0	-2.74e-03	1.43e-03
739	39	8.07	2.57	-0.90	0.0	1.15e-03	-6.10e-04
739	48	21.19	-3.42	-0.75	0.0	2.65e-03	-1.22e-03

739	61	-18.55	5.04	-0.64	0.0	-2.20e-03	1.16e-03
739	71	6.96	2.84	-0.90	0.0	1.05e-03	-5.71e-04
739	80	18.42	-2.91	-0.74	0.0	2.31e-03	-1.06e-03
739	93	-16.05	4.49	-0.65	0.0	-1.91e-03	1.00e-03
739	103	6.06	2.62	-0.88	0.0	9.18e-04	-5.02e-04
739	112	31.02	-4.96	-0.79	0.0	3.81e-03	-1.74e-03
739	125	-29.52	7.06	-0.63	0.0	-3.48e-03	1.83e-03
739	135	10.02	2.80	-0.94	0.0	1.40e-03	-7.38e-04
739	145	2.94e-03	0.78	-0.83	0.0	1.01e-06	2.87e-06
739	146	2.52e-03	0.82	-0.87	0.0	0.0	2.53e-06
739	151	2.36e-03	0.68	-0.72	0.0	0.0	2.30e-06
739	156	2.17e-03	0.64	-0.69	0.0	0.0	2.11e-06
740	3	6.46e-03	1.28	-0.91	0.0	-1.48e-06	3.57e-06
740	4	5.20e-03	1.35	-0.96	0.0	-1.76e-06	2.87e-06
740	16	25.92	-4.10	-0.74	0.0	2.95e-03	-1.52e-03
740	19	25.92	-2.31	-0.81	0.0	2.95e-03	-1.52e-03
740	29	-23.90	6.16	-0.37	0.0	-2.61e-03	1.54e-03
740	48	22.07	-3.57	-0.70	0.0	2.54e-03	-1.32e-03
740	51	22.07	-1.71	-0.77	0.0	2.54e-03	-1.32e-03
740	61	-19.12	5.39	-0.41	0.0	-2.10e-03	1.25e-03
740	80	19.19	-3.04	-0.68	0.0	2.22e-03	-1.15e-03
740	83	19.19	-1.37	-0.74	0.0	2.22e-03	-1.15e-03
740	93	-16.55	4.80	-0.43	0.0	-1.82e-03	1.08e-03
740	112	32.28	-5.21	-0.79	0.0	3.66e-03	-1.88e-03
740	115	32.27	-3.12	-0.87	0.0	3.66e-03	-1.88e-03
740	125	-30.46	7.52	-0.32	0.0	-3.32e-03	1.97e-03
740	145	4.41e-03	0.89	-0.64	0.0	-1.06e-06	2.42e-06
740	146	3.57e-03	0.94	-0.68	0.0	-1.24e-06	1.95e-06
740	151	3.44e-03	0.77	-0.56	0.0	0.0	1.85e-06
740	156	3.12e-03	0.73	-0.54	0.0	0.0	1.65e-06
741	3	4.49e-03	1.28	-1.17	0.0	0.0	3.54e-06
741	4	3.64e-03	1.35	-1.25	0.0	0.0	2.82e-06
741	16	26.64	-4.10	-0.77	0.0	3.02e-03	-1.49e-03
741	29	-24.73	6.16	-0.64	0.0	-2.68e-03	1.52e-03
741	39	8.68	2.73	-0.90	0.0	1.14e-03	-6.47e-04
741	48	22.67	-3.58	-0.75	0.0	2.61e-03	-1.30e-03
741	61	-19.80	5.39	-0.64	0.0	-2.16e-03	1.23e-03
741	71	7.50	3.01	-0.90	0.0	1.04e-03	-6.04e-04
741	80	19.71	-3.04	-0.75	0.0	2.27e-03	-1.13e-03
741	93	-17.13	4.80	-0.65	0.0	-1.87e-03	1.07e-03
741	103	6.54	2.79	-0.88	0.0	9.08e-04	-5.32e-04
741	112	33.17	-5.21	-0.79	0.0	3.74e-03	-1.85e-03
741	125	-31.52	7.52	-0.63	0.0	-3.42e-03	1.94e-03
741	135	10.76	2.97	-0.94	0.0	1.38e-03	-7.82e-04
741	145	3.08e-03	0.89	-0.83	0.0	0.0	2.40e-06
741	146	2.51e-03	0.94	-0.88	0.0	0.0	1.92e-06
741	151	2.42e-03	0.77	-0.72	0.0	0.0	1.85e-06
741	156	2.20e-03	0.73	-0.69	0.0	0.0	1.66e-06
742	3	4.79e-03	1.44	-0.91	0.0	-2.83e-06	2.12e-06
742	4	3.51e-03	1.52	-0.97	0.0	-2.45e-06	1.37e-06
742	16	27.60	-4.29	-0.74	0.0	2.92e-03	-1.58e-03
742	19	27.60	-2.42	-0.81	0.0	2.92e-03	-1.58e-03
742	29	-25.40	6.55	-0.37	0.0	-2.58e-03	1.61e-03
742	48	23.50	-3.73	-0.71	0.0	2.52e-03	-1.37e-03
742	51	23.50	-1.79	-0.78	0.0	2.52e-03	-1.37e-03
742	61	-20.32	5.74	-0.41	0.0	-2.08e-03	1.30e-03
742	80	20.43	-3.17	-0.68	0.0	2.20e-03	-1.20e-03
742	83	20.43	-1.43	-0.75	0.0	2.20e-03	-1.20e-03
742	93	-17.59	5.12	-0.43	0.0	-1.80e-03	1.13e-03
742	112	34.36	-5.46	-0.80	0.0	3.62e-03	-1.96e-03
742	115	34.35	-3.28	-0.87	0.0	3.62e-03	-1.96e-03
742	125	-32.38	7.99	-0.33	0.0	-3.29e-03	2.05e-03
742	145	3.25e-03	1.01	-0.64	0.0	-1.95e-06	1.41e-06
742	146	2.39e-03	1.06	-0.68	0.0	-1.70e-06	0.0
742	151	2.44e-03	0.87	-0.56	0.0	-1.57e-06	0.0
742	156	2.17e-03	0.82	-0.54	0.0	-1.44e-06	0.0
743	3	3.63e-03	1.44	-1.18	0.0	-1.86e-06	2.35e-06
743	4	2.81e-03	1.52	-1.25	0.0	-1.57e-06	1.59e-06
743	16	28.35	-4.29	-0.77	0.0	2.97e-03	-1.57e-03
743	29	-26.27	6.55	-0.64	0.0	-2.64e-03	1.59e-03
743	39	9.30	2.89	-0.90	0.0	1.12e-03	-6.78e-04
743	48	24.13	-3.73	-0.76	0.0	2.57e-03	-1.36e-03
743	61	-21.02	5.74	-0.64	0.0	-2.13e-03	1.29e-03
743	71	8.06	3.19	-0.91	0.0	1.03e-03	-6.34e-04
743	80	20.98	-3.17	-0.75	0.0	2.24e-03	-1.19e-03

743	93	-18.19	5.12	-0.65	0.0	-1.84e-03	1.12e-03
743	103	7.02	2.96	-0.88	0.0	8.99e-04	-5.58e-04
743	112	35.30	-5.46	-0.79	0.0	3.69e-03	-1.94e-03
743	125	-33.49	7.99	-0.63	0.0	-3.36e-03	2.03e-03
743	135	11.51	3.14	-0.94	0.0	1.37e-03	-8.20e-04
743	145	2.48e-03	1.01	-0.83	0.0	-1.28e-06	1.57e-06
743	146	1.93e-03	1.06	-0.88	0.0	-1.09e-06	1.06e-06
743	151	1.91e-03	0.87	-0.73	0.0	-1.02e-06	1.13e-06
743	156	1.72e-03	0.82	-0.69	0.0	0.0	0.0
744	3	2.91e-03	1.60	-0.91	0.0	-3.05e-06	1.19e-06
744	4	2.10e-03	1.69	-0.98	0.0	-1.96e-06	0.0
744	16	29.26	-4.47	-0.75	0.0	2.90e-03	-1.63e-03
744	19	29.26	-2.53	-0.81	0.0	2.90e-03	-1.63e-03
744	29	-26.89	6.94	-0.38	0.0	-2.56e-03	1.66e-03
744	48	24.93	-3.89	-0.71	0.0	2.50e-03	-1.42e-03
744	51	24.92	-1.86	-0.78	0.0	2.50e-03	-1.42e-03
744	61	-21.51	6.09	-0.41	0.0	-2.07e-03	1.34e-03
744	80	21.67	-3.29	-0.69	0.0	2.18e-03	-1.24e-03
744	83	21.67	-1.48	-0.75	0.0	2.18e-03	-1.24e-03
744	93	-18.61	5.43	-0.43	0.0	-1.79e-03	1.16e-03
744	112	36.42	-5.71	-0.80	0.0	3.59e-03	-2.02e-03
744	115	36.42	-3.44	-0.88	0.0	3.59e-03	-2.02e-03
744	125	-34.28	8.45	-0.33	0.0	-3.26e-03	2.11e-03
744	145	1.97e-03	1.12	-0.65	0.0	-2.04e-06	0.0
744	146	1.42e-03	1.18	-0.69	0.0	-1.32e-06	0.0
744	151	1.47e-03	0.97	-0.57	0.0	-1.47e-06	0.0
744	156	1.30e-03	0.92	-0.54	0.0	-1.28e-06	0.0
745	3	2.18e-03	1.60	-1.18	0.0	-2.61e-06	1.40e-06
745	4	1.68e-03	1.69	-1.26	0.0	-1.92e-06	0.0
745	16	30.04	-4.48	-0.77	0.0	2.94e-03	-1.63e-03
745	29	-27.78	6.94	-0.64	0.0	-2.61e-03	1.65e-03
745	39	9.91	3.05	-0.91	0.0	1.11e-03	-7.05e-04
745	48	25.58	-3.89	-0.76	0.0	2.54e-03	-1.42e-03
745	61	-22.23	6.09	-0.65	0.0	-2.10e-03	1.34e-03
745	71	8.61	3.36	-0.91	0.0	1.02e-03	-6.60e-04
745	80	22.24	-3.29	-0.75	0.0	2.22e-03	-1.24e-03
745	93	-19.24	5.43	-0.65	0.0	-1.82e-03	1.16e-03
745	103	7.50	3.12	-0.89	0.0	8.91e-04	-5.81e-04
745	112	37.39	-5.71	-0.80	0.0	3.64e-03	-2.01e-03
745	125	-35.42	8.45	-0.63	0.0	-3.32e-03	2.10e-03
745	135	12.26	3.30	-0.94	0.0	1.35e-03	-8.53e-04
745	145	1.48e-03	1.12	-0.83	0.0	-1.78e-06	0.0
745	146	1.15e-03	1.18	-0.88	0.0	-1.31e-06	0.0
745	151	1.14e-03	0.97	-0.73	0.0	-1.35e-06	0.0
745	156	1.03e-03	0.92	-0.69	0.0	-1.20e-06	0.0
746	4	1.20e-03	1.89	-0.99	0.0	-1.71e-06	1.44e-06
746	16	30.91	-4.63	-0.76	0.0	2.89e-03	-1.67e-03
746	19	30.91	-2.62	-0.82	0.0	2.89e-03	-1.67e-03
746	29	-28.36	7.33	-0.38	0.0	-2.56e-03	1.70e-03
746	48	26.35	-4.02	-0.72	0.0	2.50e-03	-1.46e-03
746	51	26.34	-1.92	-0.79	0.0	2.50e-03	-1.46e-03
746	61	-22.69	6.44	-0.42	0.0	-2.06e-03	1.38e-03
746	80	22.90	-3.39	-0.70	0.0	2.18e-03	-1.27e-03
746	83	22.90	-1.52	-0.76	0.0	2.18e-03	-1.27e-03
746	93	-19.63	5.75	-0.44	0.0	-1.79e-03	1.19e-03
746	112	38.48	-5.93	-0.81	0.0	3.58e-03	-2.07e-03
746	115	38.48	-3.58	-0.88	0.0	3.58e-03	-2.07e-03
746	125	-36.16	8.91	-0.34	0.0	-3.25e-03	2.16e-03
746	146	8.42e-04	1.32	-0.70	0.0	-1.12e-06	0.0
746	151	6.78e-04	1.08	-0.57	0.0	-1.42e-06	0.0
746	156	6.47e-04	1.02	-0.55	0.0	-1.20e-06	0.0
747	4	5.00e-04	1.89	-1.27	0.0	-1.96e-06	1.05e-06
747	11	5.07e-04	1.74	-1.20	0.0	0.0	0.0
747	16	31.71	-4.64	-0.78	0.0	2.93e-03	-1.67e-03
747	29	-29.28	7.34	-0.65	0.0	-2.60e-03	1.70e-03
747	39	10.53	3.22	-0.91	0.0	1.11e-03	-7.27e-04
747	48	27.02	-4.02	-0.77	0.0	2.53e-03	-1.46e-03
747	61	-23.43	6.44	-0.65	0.0	-2.10e-03	1.37e-03
747	71	9.17	3.54	-0.92	0.0	1.01e-03	-6.81e-04
747	80	23.49	-3.40	-0.76	0.0	2.21e-03	-1.27e-03
747	93	-20.27	5.76	-0.66	0.0	-1.82e-03	1.19e-03
747	103	7.99	3.29	-0.89	0.0	8.88e-04	-6.00e-04
747	112	39.48	-5.93	-0.80	0.0	3.63e-03	-2.07e-03
747	125	-37.33	8.92	-0.64	0.0	-3.30e-03	2.16e-03
747	135	13.01	3.47	-0.95	0.0	1.35e-03	-8.79e-04

747	146	3.51e-04	1.32	-0.89	0.0	-1.33e-06	0.0
747	149	3.56e-04	1.22	-0.84	0.0	0.0	0.0
747	151	2.80e-04	1.08	-0.74	0.0	-1.43e-06	0.0
747	154	2.84e-04	1.05	-0.72	0.0	-1.02e-06	0.0
747	156	2.69e-04	1.02	-0.70	0.0	-1.26e-06	0.0
748	3	1.42e-03	0.96	-1.42	0.0	1.81e-06	2.10e-06
748	4	1.24e-03	1.02	-1.50	0.0	1.45e-06	1.86e-06
748	16	23.76	-3.73	-0.86	0.0	3.21e-03	-1.29e-03
748	29	-22.27	5.39	-0.78	0.0	-2.87e-03	1.32e-03
748	43	7.25	2.27	-1.09	0.0	1.14e-03	-6.15e-04
748	48	20.20	-3.26	-0.86	0.0	2.77e-03	-1.12e-03
748	61	-17.85	4.70	-0.77	0.0	-2.31e-03	1.06e-03
748	75	5.90	2.59	-1.10	0.0	1.00e-03	-5.57e-04
748	80	17.56	-2.78	-0.86	0.0	2.41e-03	-9.73e-04
748	93	-15.45	4.18	-0.78	0.0	-2.00e-03	9.22e-04
748	107	5.11	2.39	-1.07	0.0	8.76e-04	-4.89e-04
748	112	29.59	-4.71	-0.86	0.0	3.98e-03	-1.59e-03
748	125	-28.38	6.60	-0.77	0.0	-3.66e-03	1.68e-03
748	139	9.20	2.43	-1.14	0.0	1.41e-03	-7.55e-04
748	145	9.85e-04	0.67	-1.00	0.0	1.24e-06	1.44e-06
748	146	8.64e-04	0.71	-1.05	0.0	1.01e-06	1.29e-06
748	151	8.03e-04	0.58	-0.87	0.0	0.0	1.17e-06
748	156	7.43e-04	0.55	-0.83	0.0	0.0	1.08e-06
749	3	2.35e-03	1.12	-1.41	0.0	1.03e-06	3.26e-06
749	4	1.97e-03	1.18	-1.50	0.0	0.0	2.78e-06
749	16	25.56	-3.92	-0.86	0.0	3.16e-03	-1.38e-03
749	29	-23.93	5.78	-0.78	0.0	-2.82e-03	1.42e-03
749	43	7.83	2.43	-1.09	0.0	1.13e-03	-6.52e-04
749	48	21.74	-3.42	-0.86	0.0	2.73e-03	-1.20e-03
749	61	-19.17	5.04	-0.77	0.0	-2.27e-03	1.14e-03
749	75	6.38	2.77	-1.10	0.0	9.90e-04	-5.89e-04
749	80	18.90	-2.91	-0.86	0.0	2.38e-03	-1.05e-03
749	93	-16.59	4.49	-0.78	0.0	-1.97e-03	9.90e-04
749	107	5.54	2.56	-1.07	0.0	8.66e-04	-5.17e-04
749	112	31.84	-4.96	-0.86	0.0	3.92e-03	-1.71e-03
749	125	-30.50	7.06	-0.77	0.0	-3.59e-03	1.80e-03
749	139	9.93	2.60	-1.14	0.0	1.40e-03	-8.00e-04
749	145	1.62e-03	0.78	-0.99	0.0	0.0	2.24e-06
749	146	1.37e-03	0.82	-1.05	0.0	0.0	1.91e-06
749	151	1.30e-03	0.68	-0.87	0.0	0.0	1.78e-06
749	156	1.20e-03	0.64	-0.83	0.0	0.0	1.62e-06
750	3	2.68e-03	1.28	-1.41	0.0	0.0	3.23e-06
750	4	2.19e-03	1.35	-1.50	0.0	0.0	2.57e-06
750	16	27.34	-4.10	-0.86	0.0	3.09e-03	-1.47e-03
750	29	-25.55	6.16	-0.78	0.0	-2.76e-03	1.51e-03
750	43	8.42	2.59	-1.09	0.0	1.11e-03	-6.89e-04
750	48	23.26	-3.58	-0.86	0.0	2.67e-03	-1.28e-03
750	61	-20.46	5.39	-0.77	0.0	-2.22e-03	1.22e-03
750	75	6.89	2.94	-1.10	0.0	9.76e-04	-6.22e-04
750	80	20.22	-3.04	-0.86	0.0	2.33e-03	-1.12e-03
750	93	-17.71	4.80	-0.78	0.0	-1.93e-03	1.05e-03
750	107	5.98	2.73	-1.07	0.0	8.54e-04	-5.47e-04
750	112	34.05	-5.21	-0.87	0.0	3.84e-03	-1.82e-03
750	125	-32.56	7.52	-0.77	0.0	-3.51e-03	1.92e-03
750	139	10.66	2.76	-1.14	0.0	1.37e-03	-8.47e-04
750	145	1.84e-03	0.89	-0.99	0.0	0.0	2.20e-06
750	146	1.52e-03	0.94	-1.05	0.0	0.0	1.76e-06
750	151	1.47e-03	0.77	-0.87	0.0	0.0	1.70e-06
750	156	1.34e-03	0.73	-0.83	0.0	0.0	1.53e-06
751	3	2.33e-03	1.44	-1.42	0.0	-1.06e-06	2.44e-06
751	4	1.89e-03	1.52	-1.50	0.0	0.0	1.79e-06
751	16	29.09	-4.29	-0.86	0.0	3.03e-03	-1.55e-03
751	29	-27.13	6.55	-0.78	0.0	-2.70e-03	1.58e-03
751	43	9.01	2.75	-1.09	0.0	1.09e-03	-7.23e-04
751	48	24.76	-3.73	-0.87	0.0	2.62e-03	-1.35e-03
751	61	-21.72	5.74	-0.77	0.0	-2.18e-03	1.28e-03
751	75	7.40	3.12	-1.10	0.0	9.61e-04	-6.53e-04
751	80	21.52	-3.17	-0.86	0.0	2.29e-03	-1.18e-03
751	93	-18.80	5.12	-0.78	0.0	-1.89e-03	1.11e-03
751	107	6.43	2.90	-1.07	0.0	8.41e-04	-5.74e-04
751	112	36.23	-5.46	-0.87	0.0	3.76e-03	-1.92e-03
751	125	-34.58	7.99	-0.77	0.0	-3.44e-03	2.01e-03
751	139	11.40	2.92	-1.14	0.0	1.35e-03	-8.89e-04
751	145	1.60e-03	1.01	-1.00	0.0	0.0	1.65e-06
751	146	1.31e-03	1.06	-1.05	0.0	0.0	1.21e-06

751	151	1.27e-03	0.87	-0.87	0.0	0.0	1.23e-06
751	156	1.16e-03	0.82	-0.83	0.0	0.0	1.09e-06
752	3	1.41e-03	1.60	-1.42	0.0	-1.99e-06	1.37e-06
752	4	1.15e-03	1.69	-1.51	0.0	-1.62e-06	0.0
752	16	30.81	-4.48	-0.86	0.0	2.99e-03	-1.62e-03
752	29	-28.67	6.94	-0.78	0.0	-2.66e-03	1.64e-03
752	43	9.61	2.90	-1.09	0.0	1.08e-03	-7.53e-04
752	48	26.24	-3.89	-0.87	0.0	2.59e-03	-1.41e-03
752	61	-22.95	6.09	-0.78	0.0	-2.15e-03	1.33e-03
752	75	7.92	3.29	-1.10	0.0	9.49e-04	-6.81e-04
752	80	22.81	-3.30	-0.86	0.0	2.25e-03	-1.23e-03
752	93	-19.86	5.43	-0.78	0.0	-1.86e-03	1.15e-03
752	107	6.88	3.06	-1.08	0.0	8.31e-04	-5.98e-04
752	112	38.36	-5.71	-0.87	0.0	3.71e-03	-2.00e-03
752	125	-36.55	8.45	-0.77	0.0	-3.39e-03	2.09e-03
752	139	12.14	3.08	-1.14	0.0	1.33e-03	-9.26e-04
752	145	9.68e-04	1.12	-1.00	0.0	-1.36e-06	0.0
752	146	7.96e-04	1.18	-1.06	0.0	-1.12e-06	0.0
752	151	7.68e-04	0.97	-0.87	0.0	-1.08e-06	0.0
752	156	7.01e-04	0.91	-0.83	0.0	0.0	0.0
753	3	-2.76e-04	1.78	-1.43	-3.99e-04	0.0	-1.58e-06
753	4	-2.73e-04	1.89	-1.52	-4.42e-04	0.0	-1.70e-06
753	17	-32.52	6.68	-0.81	-5.60e-04	-3.40e-03	1.67e-03
753	29	-30.20	7.34	-0.79	-5.80e-04	-3.02e-03	1.70e-03
753	43	10.21	3.07	-1.10	-2.99e-04	1.21e-03	-7.81e-04
753	49	-27.70	6.07	-0.80	-5.27e-04	-2.94e-03	1.46e-03
753	61	-24.17	6.44	-0.79	-5.34e-04	-2.45e-03	1.37e-03
753	75	8.44	3.47	-1.11	-3.20e-04	1.07e-03	-7.07e-04
753	81	-24.08	5.44	-0.81	-4.91e-04	-2.57e-03	1.27e-03
753	93	-20.92	5.76	-0.79	-4.97e-04	-2.12e-03	1.19e-03
753	107	7.33	3.24	-1.08	-3.12e-04	9.37e-04	-6.21e-04
753	113	-40.48	7.98	-0.80	-6.33e-04	-4.21e-03	2.07e-03
753	125	-38.49	8.92	-0.78	-6.66e-04	-3.85e-03	2.16e-03
753	139	12.88	3.25	-1.14	-3.01e-04	1.50e-03	-9.59e-04
753	145	-1.90e-04	1.25	-1.01	-2.81e-04	0.0	-1.11e-06
753	146	-1.88e-04	1.32	-1.07	-3.09e-04	0.0	-1.19e-06
753	151	-1.57e-04	1.08	-0.88	-2.48e-04	0.0	0.0
753	156	-1.46e-04	1.02	-0.84	-2.36e-04	0.0	0.0
754	3	6.26e-04	0.97	-1.61	0.0	0.0	1.45e-06
754	4	5.67e-04	1.02	-1.71	0.0	0.0	1.22e-06
754	16	24.37	-3.72	-0.70	0.0	3.29e-03	-1.28e-03
754	29	-22.99	5.39	-1.25	0.0	-2.95e-03	1.32e-03
754	45	-6.47	4.65	-1.29	0.0	-6.44e-04	2.11e-04
754	48	20.71	-3.25	-0.70	0.0	2.84e-03	-1.11e-03
754	61	-18.43	4.70	-1.24	0.0	-2.38e-03	1.06e-03
754	77	-5.14	4.54	-1.30	0.0	-4.49e-04	1.18e-04
754	80	18.00	-2.78	-0.72	0.0	2.48e-03	-9.70e-04
754	93	-15.95	4.18	-1.20	0.0	-2.06e-03	9.20e-04
754	109	-4.44	4.09	-1.26	0.0	-3.81e-04	9.69e-05
754	112	30.36	-4.70	-0.65	0.0	4.08e-03	-1.59e-03
754	125	-29.29	6.60	-1.31	0.0	-3.76e-03	1.68e-03
754	141	-8.26	5.45	-1.35	0.0	-8.54e-04	2.93e-04
754	145	4.39e-04	0.68	-1.13	0.0	0.0	0.0
754	146	4.00e-04	0.71	-1.20	0.0	0.0	0.0
754	151	3.69e-04	0.58	-0.99	0.0	0.0	0.0
754	156	3.45e-04	0.55	-0.94	0.0	0.0	0.0
755	3	9.08e-04	1.12	-1.61	0.0	0.0	2.59e-06
755	4	7.76e-04	1.18	-1.71	0.0	0.0	2.13e-06
755	16	26.22	-3.92	-0.70	0.0	3.24e-03	-1.37e-03
755	29	-24.69	5.78	-1.25	0.0	-2.90e-03	1.41e-03
755	45	-6.92	4.96	-1.29	0.0	-6.30e-04	2.31e-04
755	48	22.29	-3.42	-0.70	0.0	2.80e-03	-1.19e-03
755	61	-19.79	5.04	-1.24	0.0	-2.34e-03	1.14e-03
755	77	-5.48	4.84	-1.30	0.0	-4.38e-04	1.33e-04
755	80	19.37	-2.91	-0.72	0.0	2.44e-03	-1.04e-03
755	93	-17.13	4.49	-1.21	0.0	-2.03e-03	9.85e-04
755	109	-4.74	4.36	-1.26	0.0	-3.72e-04	1.10e-04
755	112	32.66	-4.96	-0.65	0.0	4.01e-03	-1.70e-03
755	125	-31.47	7.06	-1.31	0.0	-3.69e-03	1.79e-03
755	141	-8.84	5.81	-1.36	0.0	-8.35e-04	3.19e-04
755	145	6.35e-04	0.78	-1.13	0.0	0.0	1.77e-06
755	146	5.46e-04	0.82	-1.20	0.0	0.0	1.47e-06
755	151	5.25e-04	0.68	-0.99	0.0	0.0	1.39e-06
755	156	4.88e-04	0.64	-0.94	0.0	0.0	1.27e-06
756	3	1.09e-03	1.28	-1.62	0.0	0.0	2.88e-06

756	4	9.28e-04	1.35	-1.72	0.0	0.0	2.29e-06
756	16	28.04	-4.10	-0.70	0.0	3.17e-03	-1.46e-03
756	29	-26.36	6.16	-1.25	0.0	-2.83e-03	1.49e-03
756	45	-7.33	5.27	-1.30	0.0	-6.11e-04	2.49e-04
756	48	23.85	-3.58	-0.70	0.0	2.74e-03	-1.27e-03
756	61	-21.12	5.39	-1.25	0.0	-2.29e-03	1.21e-03
756	77	-5.77	5.14	-1.31	0.0	-4.24e-04	1.46e-04
756	80	20.73	-3.04	-0.72	0.0	2.39e-03	-1.11e-03
756	93	-18.28	4.80	-1.21	0.0	-1.98e-03	1.05e-03
756	109	-4.99	4.64	-1.27	0.0	-3.60e-04	1.21e-04
756	112	34.93	-5.21	-0.65	0.0	3.93e-03	-1.81e-03
756	125	-33.59	7.52	-1.32	0.0	-3.61e-03	1.90e-03
756	141	-9.38	6.16	-1.36	0.0	-8.11e-04	3.42e-04
756	145	7.61e-04	0.89	-1.14	0.0	0.0	1.96e-06
756	146	6.53e-04	0.94	-1.20	0.0	0.0	1.57e-06
756	151	6.27e-04	0.77	-0.99	0.0	0.0	1.52e-06
756	156	5.82e-04	0.73	-0.94	0.0	0.0	1.38e-06
757	3	1.04e-03	1.44	-1.62	0.0	0.0	2.37e-06
757	4	9.03e-04	1.52	-1.72	0.0	0.0	1.81e-06
757	16	29.83	-4.29	-0.70	0.0	3.10e-03	-1.54e-03
757	29	-27.98	6.55	-1.26	0.0	-2.77e-03	1.57e-03
757	45	-7.71	5.58	-1.30	0.0	-5.94e-04	2.63e-04
757	48	25.38	-3.73	-0.70	0.0	2.68e-03	-1.34e-03
757	61	-22.41	5.74	-1.25	0.0	-2.23e-03	1.27e-03
757	77	-6.04	5.44	-1.31	0.0	-4.10e-04	1.55e-04
757	80	22.07	-3.17	-0.73	0.0	2.34e-03	-1.17e-03
757	93	-19.39	5.12	-1.22	0.0	-1.94e-03	1.10e-03
757	109	-5.22	4.92	-1.27	0.0	-3.49e-04	1.29e-04
757	112	37.15	-5.46	-0.65	0.0	3.84e-03	-1.91e-03
757	125	-35.65	7.99	-1.32	0.0	-3.52e-03	2.00e-03
757	141	-9.89	6.52	-1.37	0.0	-7.89e-04	3.61e-04
757	145	7.26e-04	1.01	-1.14	0.0	0.0	1.61e-06
757	146	6.34e-04	1.06	-1.21	0.0	0.0	1.23e-06
757	151	6.00e-04	0.87	-1.00	0.0	0.0	1.22e-06
757	156	5.58e-04	0.82	-0.95	0.0	0.0	1.10e-06
758	3	7.50e-04	1.60	-1.62	0.0	0.0	1.26e-06
758	4	6.88e-04	1.68	-1.73	0.0	0.0	0.0
758	16	31.59	-4.48	-0.70	0.0	3.05e-03	-1.61e-03
758	29	-29.56	6.94	-1.27	0.0	-2.72e-03	1.64e-03
758	45	-8.07	5.89	-1.31	0.0	-5.81e-04	2.74e-04
758	48	26.89	-3.90	-0.70	0.0	2.64e-03	-1.40e-03
758	61	-23.67	6.09	-1.26	0.0	-2.19e-03	1.33e-03
758	77	-6.29	5.74	-1.32	0.0	-4.01e-04	1.62e-04
758	80	23.38	-3.30	-0.73	0.0	2.30e-03	-1.22e-03
758	93	-20.48	5.43	-1.22	0.0	-1.90e-03	1.15e-03
758	109	-5.43	5.19	-1.28	0.0	-3.41e-04	1.34e-04
758	112	39.33	-5.72	-0.65	0.0	3.78e-03	-1.99e-03
758	125	-37.67	8.45	-1.33	0.0	-3.46e-03	2.08e-03
758	141	-10.37	6.87	-1.37	0.0	-7.72e-04	3.76e-04
758	145	5.25e-04	1.12	-1.14	0.0	0.0	0.0
758	146	4.83e-04	1.17	-1.21	0.0	0.0	0.0
758	151	4.40e-04	0.96	-1.00	0.0	0.0	0.0
758	156	4.12e-04	0.91	-0.95	0.0	0.0	0.0
759	4	6.52e-04	1.89	-1.75	-4.41e-04	0.0	0.0
759	16	33.33	-4.64	-0.71	9.57e-05	3.40e-03	-1.67e-03
759	29	-31.11	7.34	-1.28	-5.88e-04	-3.02e-03	1.70e-03
759	45	-8.42	6.21	-1.32	-4.84e-04	-6.51e-04	2.82e-04
759	48	28.38	-4.03	-0.71	6.26e-05	2.94e-03	-1.46e-03
759	61	-24.91	6.44	-1.27	-5.41e-04	-2.45e-03	1.37e-03
759	77	-6.53	6.05	-1.33	-4.76e-04	-4.53e-04	1.66e-04
759	80	24.68	-3.40	-0.74	2.60e-05	2.57e-03	-1.27e-03
759	93	-21.56	5.76	-1.23	-5.03e-04	-2.12e-03	1.19e-03
759	109	-5.63	5.48	-1.29	-4.48e-04	-3.84e-04	1.38e-04
759	112	41.49	-5.93	-0.66	1.71e-04	4.21e-03	-2.07e-03
759	125	-39.65	8.92	-1.34	-6.76e-04	-3.85e-03	2.16e-03
759	141	-10.83	7.23	-1.38	-5.34e-04	-8.63e-04	3.88e-04
759	146	4.57e-04	1.32	-1.23	-3.08e-04	0.0	0.0
759	151	3.65e-04	1.08	-1.01	-2.46e-04	0.0	0.0
759	154	3.67e-04	1.05	-0.99	-2.47e-04	0.0	0.0
759	156	3.50e-04	1.02	-0.96	-2.35e-04	0.0	0.0
760	4	6.59e-05	1.03	-1.89	0.0	0.0	0.0
760	9	2.37e-04	0.62	-1.20	0.0	0.0	0.0
760	16	24.99	-3.72	-0.65	0.0	3.37e-03	-1.28e-03
760	29	-23.69	5.39	-1.49	0.0	-3.03e-03	1.32e-03
760	45	-6.70	4.65	-1.49	0.0	-6.61e-04	2.09e-04

760	48	21.23	-3.25	-0.67	0.0	2.91e-03	-1.11e-03
760	61	-19.00	4.70	-1.46	0.0	-2.45e-03	1.06e-03
760	77	-5.35	4.54	-1.49	0.0	-4.61e-04	1.17e-04
760	80	18.45	-2.77	-0.71	0.0	2.54e-03	-9.69e-04
760	93	-16.45	4.18	-1.41	0.0	-2.12e-03	9.19e-04
760	109	-4.63	4.09	-1.44	0.0	-3.92e-04	9.59e-05
760	112	31.13	-4.70	-0.58	0.0	4.18e-03	-1.59e-03
760	125	-30.19	6.60	-1.59	0.0	-3.86e-03	1.68e-03
760	146	5.43e-05	0.72	-1.32	0.0	0.0	0.0
760	147	1.69e-04	0.44	-0.86	0.0	0.0	0.0
760	151	3.56e-05	0.59	-1.09	0.0	0.0	0.0
760	152	1.03e-04	0.38	-0.74	0.0	0.0	0.0
760	155	8.71e-05	0.37	-0.71	0.0	0.0	0.0
760	156	4.30e-05	0.56	-1.04	0.0	0.0	0.0
761	4	-1.77e-04	1.18	-1.90	0.0	0.0	1.83e-06
761	7	-2.81e-04	0.93	-1.48	0.0	0.0	2.09e-06
761	17	-26.88	5.20	-1.43	0.0	-3.32e-03	1.37e-03
761	29	-25.45	5.78	-1.51	0.0	-2.98e-03	1.40e-03
761	49	-22.84	4.70	-1.42	0.0	-2.87e-03	1.19e-03
761	61	-20.40	5.04	-1.48	0.0	-2.41e-03	1.13e-03
761	77	-5.71	4.84	-1.51	0.0	-4.50e-04	1.32e-04
761	81	-19.85	4.19	-1.37	0.0	-2.50e-03	1.04e-03
761	93	-17.66	4.49	-1.43	0.0	-2.08e-03	9.83e-04
761	109	-4.94	4.36	-1.46	0.0	-3.83e-04	1.09e-04
761	113	-33.49	6.24	-1.51	0.0	-4.11e-03	1.70e-03
761	125	-32.43	7.06	-1.61	0.0	-3.79e-03	1.79e-03
761	146	-1.09e-04	0.82	-1.33	0.0	0.0	1.26e-06
761	147	1.79e-04	0.51	-0.87	0.0	0.0	0.0
761	151	-1.07e-04	0.68	-1.10	0.0	0.0	1.21e-06
761	156	-8.45e-05	0.64	-1.04	0.0	0.0	1.10e-06
762	4	-1.87e-04	1.35	-1.92	0.0	0.0	2.11e-06
762	9	3.40e-04	0.81	-1.23	0.0	0.0	0.0
762	17	-28.75	5.57	-1.45	0.0	-3.24e-03	1.46e-03
762	29	-27.16	6.16	-1.52	0.0	-2.91e-03	1.49e-03
762	49	-24.44	5.04	-1.43	0.0	-2.81e-03	1.27e-03
762	61	-21.76	5.39	-1.49	0.0	-2.35e-03	1.20e-03
762	77	-6.02	5.14	-1.52	0.0	-4.37e-04	1.44e-04
762	81	-21.24	4.50	-1.39	0.0	-2.44e-03	1.11e-03
762	93	-18.84	4.80	-1.44	0.0	-2.03e-03	1.04e-03
762	109	-5.20	4.64	-1.47	0.0	-3.71e-04	1.19e-04
762	113	-35.81	6.67	-1.53	0.0	-4.02e-03	1.80e-03
762	125	-34.61	7.52	-1.63	0.0	-3.70e-03	1.90e-03
762	146	-1.12e-04	0.94	-1.34	0.0	0.0	1.45e-06
762	147	2.39e-04	0.58	-0.88	0.0	0.0	0.0
762	151	-1.16e-04	0.77	-1.10	0.0	0.0	1.41e-06
762	156	-8.91e-05	0.73	-1.05	0.0	0.0	1.27e-06
763	4	-2.68e-05	1.52	-1.93	0.0	0.0	1.74e-06
763	9	4.14e-04	0.91	-1.24	0.0	0.0	0.0
763	17	-30.58	5.93	-1.46	0.0	-3.17e-03	1.54e-03
763	29	-28.82	6.55	-1.53	0.0	-2.83e-03	1.57e-03
763	49	-26.01	5.38	-1.44	0.0	-2.74e-03	1.34e-03
763	61	-23.09	5.74	-1.50	0.0	-2.29e-03	1.27e-03
763	77	-6.29	5.44	-1.54	0.0	-4.24e-04	1.54e-04
763	81	-22.61	4.81	-1.40	0.0	-2.39e-03	1.17e-03
763	93	-19.98	5.12	-1.45	0.0	-1.98e-03	1.10e-03
763	109	-5.43	4.92	-1.48	0.0	-3.60e-04	1.27e-04
763	113	-38.08	7.10	-1.54	0.0	-3.93e-03	1.90e-03
763	125	-36.72	7.98	-1.64	0.0	-3.61e-03	1.99e-03
763	146	-2.22e-06	1.06	-1.35	0.0	0.0	1.19e-06
763	147	2.91e-04	0.65	-0.90	0.0	0.0	0.0
763	151	-2.57e-05	0.87	-1.11	0.0	0.0	1.18e-06
763	152	1.54e-04	0.57	-0.77	0.0	0.0	0.0
763	155	1.20e-04	0.55	-0.74	0.0	0.0	0.0
763	156	-4.95e-06	0.82	-1.06	0.0	0.0	1.06e-06
764	4	2.29e-04	1.67	-1.95	0.0	0.0	0.0
764	9	4.25e-04	1.00	-1.27	0.0	0.0	0.0
764	16	32.37	-4.49	-0.66	0.0	3.11e-03	-1.61e-03
764	29	-30.43	6.94	-1.55	0.0	-2.78e-03	1.63e-03
764	48	27.55	-3.90	-0.68	0.0	2.69e-03	-1.40e-03
764	61	-24.38	6.08	-1.51	0.0	-2.24e-03	1.32e-03
764	77	-6.55	5.74	-1.55	0.0	-4.14e-04	1.61e-04
764	80	23.95	-3.30	-0.72	0.0	2.34e-03	-1.22e-03
764	93	-21.10	5.43	-1.46	0.0	-1.94e-03	1.15e-03
764	109	-5.65	5.19	-1.50	0.0	-3.52e-04	1.33e-04
764	112	40.31	-5.72	-0.58	0.0	3.85e-03	-1.99e-03

764	125	-38.78	8.45	-1.66	0.0	-3.53e-03	2.08e-03
764	146	1.71e-04	1.17	-1.36	0.0	0.0	0.0
764	147	3.01e-04	0.72	-0.91	0.0	0.0	0.0
764	151	1.23e-04	0.96	-1.12	0.0	0.0	0.0
764	152	1.94e-04	0.63	-0.78	0.0	0.0	0.0
764	155	1.67e-04	0.60	-0.75	0.0	0.0	0.0
764	156	1.29e-04	0.91	-1.07	0.0	0.0	0.0
765	4	5.31e-04	1.89	-1.98	-4.40e-04	0.0	0.0
765	16	34.14	-4.64	-0.68	1.17e-04	3.40e-03	-1.67e-03
765	29	-32.02	7.34	-1.57	-6.11e-04	-3.02e-03	1.69e-03
765	48	29.07	-4.03	-0.69	8.25e-05	2.94e-03	-1.46e-03
765	61	-25.64	6.44	-1.53	-5.61e-04	-2.45e-03	1.37e-03
765	77	-6.79	6.05	-1.57	-4.94e-04	-4.53e-04	1.66e-04
765	80	25.27	-3.40	-0.74	4.35e-05	2.57e-03	-1.27e-03
765	93	-22.19	5.76	-1.48	-5.21e-04	-2.12e-03	1.19e-03
765	109	-5.86	5.48	-1.51	-4.64e-04	-3.84e-04	1.37e-04
765	112	42.50	-5.93	-0.59	1.97e-04	4.21e-03	-2.07e-03
765	125	-40.81	8.92	-1.67	-7.04e-04	-3.85e-03	2.16e-03
765	146	3.72e-04	1.32	-1.39	-3.08e-04	0.0	0.0
765	151	3.00e-04	1.08	-1.14	-2.46e-04	0.0	0.0
765	156	2.87e-04	1.02	-1.08	-2.35e-04	0.0	0.0
766	3	-5.95e-04	0.98	-1.96	0.0	-1.31e-06	1.18e-06
766	4	-4.16e-04	1.03	-2.08	0.0	-1.10e-06	0.0
766	17	-25.62	4.83	-1.74	0.0	-3.45e-03	1.28e-03
766	29	-24.40	5.40	-1.84	0.0	-3.11e-03	1.32e-03
766	49	-21.76	4.36	-1.71	0.0	-2.98e-03	1.11e-03
766	61	-19.56	4.70	-1.77	0.0	-2.51e-03	1.06e-03
766	77	-5.53	4.54	-1.78	0.0	-4.72e-04	1.16e-04
766	81	-18.91	3.89	-1.64	0.0	-2.60e-03	9.70e-04
766	93	-16.93	4.18	-1.70	0.0	-2.18e-03	9.19e-04
766	109	-4.79	4.09	-1.71	0.0	-4.01e-04	9.56e-05
766	113	-31.91	5.81	-1.87	0.0	-4.27e-03	1.59e-03
766	125	-31.08	6.60	-2.00	0.0	-3.96e-03	1.68e-03
766	145	-3.96e-04	0.69	-1.38	0.0	0.0	0.0
766	146	-2.78e-04	0.72	-1.46	0.0	0.0	0.0
766	151	-2.85e-04	0.59	-1.20	0.0	0.0	0.0
766	156	-2.48e-04	0.56	-1.14	0.0	0.0	0.0
767	3	-1.40e-03	1.12	-1.97	0.0	0.0	2.20e-06
767	4	-1.08e-03	1.18	-2.09	0.0	0.0	1.77e-06
767	17	-27.55	5.20	-1.76	0.0	-3.39e-03	1.37e-03
767	29	-26.20	5.78	-1.85	0.0	-3.05e-03	1.40e-03
767	49	-23.41	4.70	-1.72	0.0	-2.93e-03	1.19e-03
767	61	-21.01	5.04	-1.78	0.0	-2.47e-03	1.13e-03
767	77	-5.92	4.84	-1.78	0.0	-4.61e-04	1.31e-04
767	81	-20.34	4.19	-1.65	0.0	-2.56e-03	1.04e-03
767	93	-18.18	4.49	-1.71	0.0	-2.14e-03	9.83e-04
767	109	-5.12	4.36	-1.71	0.0	-3.92e-04	1.08e-04
767	113	-34.32	6.24	-1.89	0.0	-4.20e-03	1.70e-03
767	125	-33.38	7.06	-2.01	0.0	-3.88e-03	1.79e-03
767	145	-9.42e-04	0.78	-1.38	0.0	0.0	1.51e-06
767	146	-7.28e-04	0.83	-1.46	0.0	0.0	1.22e-06
767	151	-7.06e-04	0.68	-1.20	0.0	0.0	1.18e-06
767	156	-6.27e-04	0.64	-1.14	0.0	0.0	1.07e-06
768	3	-1.65e-03	1.28	-1.97	0.0	0.0	2.60e-06
768	4	-1.25e-03	1.35	-2.10	0.0	0.0	2.07e-06
768	17	-29.46	5.57	-1.77	0.0	-3.31e-03	1.46e-03
768	29	-27.96	6.16	-1.86	0.0	-2.97e-03	1.49e-03
768	49	-25.04	5.04	-1.73	0.0	-2.86e-03	1.27e-03
768	61	-22.41	5.39	-1.80	0.0	-2.40e-03	1.20e-03
768	81	-21.77	4.50	-1.66	0.0	-2.50e-03	1.11e-03
768	93	-19.39	4.80	-1.72	0.0	-2.08e-03	1.04e-03
768	109	-5.39	4.64	-1.72	0.0	-3.81e-04	1.19e-04
768	113	-36.69	6.67	-1.90	0.0	-4.10e-03	1.80e-03
768	125	-35.62	7.52	-2.02	0.0	-3.79e-03	1.90e-03
768	145	-1.11e-03	0.89	-1.39	0.0	0.0	1.78e-06
768	146	-8.42e-04	0.94	-1.47	0.0	0.0	1.42e-06
768	151	-8.26e-04	0.77	-1.21	0.0	0.0	1.38e-06
768	156	-7.30e-04	0.73	-1.15	0.0	0.0	1.24e-06
769	3	-1.30e-03	1.44	-1.99	0.0	0.0	2.22e-06
769	4	-9.20e-04	1.51	-2.12	0.0	0.0	1.72e-06
769	17	-31.32	5.93	-1.78	0.0	-3.23e-03	1.54e-03
769	29	-29.65	6.55	-1.88	0.0	-2.89e-03	1.57e-03
769	49	-26.65	5.38	-1.74	0.0	-2.79e-03	1.34e-03
769	61	-23.76	5.73	-1.81	0.0	-2.34e-03	1.27e-03
769	81	-23.16	4.81	-1.67	0.0	-2.43e-03	1.17e-03

769	93	-20.57	5.11	-1.73	0.0	-2.03e-03	1.10e-03
769	109	-5.63	4.92	-1.74	0.0	-3.70e-04	1.27e-04
769	113	-39.01	7.10	-1.91	0.0	-4.00e-03	1.90e-03
769	125	-37.79	7.98	-2.04	0.0	-3.68e-03	1.99e-03
769	145	-8.70e-04	1.00	-1.40	0.0	0.0	1.51e-06
769	146	-6.14e-04	1.06	-1.49	0.0	0.0	1.18e-06
769	151	-6.27e-04	0.87	-1.22	0.0	0.0	1.16e-06
769	156	-5.47e-04	0.82	-1.16	0.0	0.0	1.04e-06
770	4	-2.49e-04	1.66	-2.15	0.0	1.11e-06	0.0
770	9	6.10e-04	0.98	-1.42	0.0	0.0	0.0
770	17	-33.15	6.30	-1.80	0.0	-3.16e-03	1.61e-03
770	29	-31.30	6.94	-1.89	0.0	-2.83e-03	1.63e-03
770	49	-28.22	5.72	-1.76	0.0	-2.74e-03	1.40e-03
770	61	-25.08	6.08	-1.83	0.0	-2.29e-03	1.32e-03
770	81	-24.53	5.12	-1.69	0.0	-2.38e-03	1.22e-03
770	93	-21.71	5.43	-1.75	0.0	-1.98e-03	1.15e-03
770	109	-5.85	5.19	-1.75	0.0	-3.62e-04	1.33e-04
770	113	-41.28	7.54	-1.93	0.0	-3.92e-03	1.99e-03
770	125	-39.89	8.45	-2.06	0.0	-3.60e-03	2.08e-03
770	146	-1.56e-04	1.16	-1.51	0.0	0.0	0.0
770	147	4.16e-04	0.70	-1.02	0.0	0.0	0.0
770	151	-2.04e-04	0.95	-1.24	0.0	0.0	0.0
770	156	-1.64e-04	0.90	-1.18	0.0	0.0	0.0
771	4	5.42e-04	1.89	-2.21	-4.38e-04	0.0	0.0
771	16	34.95	-4.64	-0.58	1.31e-04	3.40e-03	-1.67e-03
771	29	-32.92	7.34	-1.93	-6.25e-04	-3.02e-03	1.69e-03
771	48	29.77	-4.03	-0.62	9.57e-05	2.94e-03	-1.45e-03
771	61	-26.38	6.44	-1.86	-5.73e-04	-2.45e-03	1.37e-03
771	80	25.88	-3.40	-0.69	5.53e-05	2.57e-03	-1.27e-03
771	93	-22.83	5.76	-1.78	-5.31e-04	-2.12e-03	1.19e-03
771	109	-6.07	5.48	-1.79	-4.73e-04	-3.84e-04	1.37e-04
771	112	43.52	-5.93	-0.45	2.14e-04	4.21e-03	-2.07e-03
771	125	-41.96	8.92	-2.09	-7.21e-04	-3.85e-03	2.15e-03
771	146	3.78e-04	1.32	-1.55	-3.06e-04	0.0	0.0
771	151	3.10e-04	1.08	-1.27	-2.44e-04	0.0	0.0
771	156	2.94e-04	1.02	-1.21	-2.34e-04	0.0	0.0
772	3	9.64e-03	0.96	-0.59	0.0	5.42e-06	4.96e-06
772	4	9.08e-03	1.01	-0.63	0.0	4.52e-06	4.37e-06
772	16	21.82	-3.73	-0.72	0.0	2.94e-03	-1.41e-03
772	19	21.82	-2.10	-0.76	0.0	2.94e-03	-1.41e-03
772	29	-19.99	5.39	-0.02	0.0	-2.60e-03	1.44e-03
772	48	18.59	-3.26	-0.67	0.0	2.53e-03	-1.22e-03
772	51	18.59	-1.56	-0.70	0.0	2.53e-03	-1.22e-03
772	61	-16.00	4.70	-0.09	0.0	-2.09e-03	1.15e-03
772	80	16.16	-2.79	-0.62	0.0	2.21e-03	-1.06e-03
772	83	16.16	-1.27	-0.66	0.0	2.21e-03	-1.06e-03
772	93	-13.85	4.17	-0.13	0.0	-1.81e-03	9.99e-04
772	112	27.16	-4.71	-0.82	0.0	3.65e-03	-1.75e-03
772	115	27.16	-2.82	-0.86	0.0	3.65e-03	-1.75e-03
772	125	-25.48	6.60	0.07	0.0	-3.31e-03	1.83e-03
772	145	6.68e-03	0.67	-0.42	0.0	3.70e-06	3.38e-06
772	146	6.31e-03	0.71	-0.44	0.0	3.09e-06	2.99e-06
772	151	5.54e-03	0.58	-0.37	0.0	2.89e-06	2.67e-06
772	156	5.16e-03	0.55	-0.35	0.0	2.62e-06	2.43e-06
773	3	0.01	1.12	-0.60	0.0	0.0	4.05e-06
773	4	9.18e-03	1.18	-0.63	0.0	0.0	3.48e-06
773	16	23.47	-3.92	-0.73	0.0	2.90e-03	-1.48e-03
773	19	23.47	-2.20	-0.76	0.0	2.90e-03	-1.48e-03
773	29	-21.48	5.78	-0.03	0.0	-2.56e-03	1.50e-03
773	48	19.99	-3.42	-0.67	0.0	2.50e-03	-1.28e-03
773	51	19.99	-1.63	-0.71	0.0	2.50e-03	-1.28e-03
773	61	-17.19	5.04	-0.10	0.0	-2.06e-03	1.21e-03
773	80	17.38	-2.91	-0.63	0.0	2.18e-03	-1.11e-03
773	83	17.38	-1.32	-0.66	0.0	2.18e-03	-1.11e-03
773	93	-14.87	4.49	-0.13	0.0	-1.78e-03	1.05e-03
773	112	29.22	-4.96	-0.82	0.0	3.60e-03	-1.83e-03
773	115	29.22	-2.97	-0.86	0.0	3.60e-03	-1.83e-03
773	125	-27.38	7.06	0.06	0.0	-3.26e-03	1.91e-03
773	145	7.16e-03	0.78	-0.42	0.0	0.0	2.74e-06
773	146	6.33e-03	0.82	-0.45	0.0	0.0	2.36e-06
773	151	5.76e-03	0.68	-0.37	0.0	0.0	2.12e-06
773	156	5.29e-03	0.64	-0.36	0.0	0.0	1.92e-06
774	3	8.58e-03	1.28	-0.60	0.0	-3.02e-06	3.13e-06
774	4	6.86e-03	1.35	-0.64	0.0	-3.38e-06	2.63e-06
774	16	25.12	-4.10	-0.73	0.0	2.88e-03	-1.54e-03

774	19	25.12	-2.31	-0.77	0.0	2.88e-03	-1.54e-03
774	29	-22.95	6.16	-0.04	0.0	-2.54e-03	1.56e-03
774	48	21.40	-3.57	-0.67	0.0	2.49e-03	-1.33e-03
774	51	21.40	-1.71	-0.71	0.0	2.49e-03	-1.33e-03
774	61	-18.36	5.39	-0.10	0.0	-2.05e-03	1.26e-03
774	80	18.60	-3.04	-0.63	0.0	2.17e-03	-1.16e-03
774	83	18.60	-1.37	-0.67	0.0	2.17e-03	-1.16e-03
774	93	-15.89	4.80	-0.14	0.0	-1.77e-03	1.09e-03
774	112	31.27	-5.21	-0.82	0.0	3.58e-03	-1.90e-03
774	115	31.26	-3.12	-0.86	0.0	3.57e-03	-1.90e-03
774	125	-29.27	7.52	0.06	0.0	-3.24e-03	1.99e-03
774	145	5.84e-03	0.89	-0.43	0.0	-2.14e-06	2.11e-06
774	146	4.69e-03	0.94	-0.45	0.0	-2.38e-06	1.78e-06
774	151	4.51e-03	0.77	-0.38	0.0	-1.91e-06	1.61e-06
774	156	4.07e-03	0.73	-0.36	0.0	-1.83e-06	1.45e-06
775	3	5.77e-03	1.44	-0.61	0.0	-3.99e-06	2.18e-06
775	4	3.95e-03	1.52	-0.65	0.0	-3.53e-06	1.82e-06
775	16	26.76	-4.29	-0.73	0.0	2.87e-03	-1.59e-03
775	19	26.76	-2.42	-0.77	0.0	2.87e-03	-1.59e-03
775	29	-24.42	6.55	-0.04	0.0	-2.53e-03	1.61e-03
775	48	22.80	-3.73	-0.67	0.0	2.48e-03	-1.38e-03
775	51	22.80	-1.79	-0.71	0.0	2.47e-03	-1.38e-03
775	61	-19.53	5.74	-0.11	0.0	-2.04e-03	1.30e-03
775	80	19.82	-3.17	-0.63	0.0	2.16e-03	-1.20e-03
775	83	19.82	-1.43	-0.67	0.0	2.16e-03	-1.20e-03
775	93	-16.90	5.12	-0.14	0.0	-1.77e-03	1.13e-03
775	112	33.30	-5.46	-0.82	0.0	3.56e-03	-1.97e-03
775	115	33.30	-3.28	-0.86	0.0	3.55e-03	-1.97e-03
775	125	-31.14	7.99	0.05	0.0	-3.22e-03	2.06e-03
775	145	3.87e-03	1.01	-0.43	0.0	-2.74e-06	1.47e-06
775	146	2.66e-03	1.06	-0.46	0.0	-2.44e-06	1.22e-06
775	151	2.82e-03	0.87	-0.38	0.0	-2.21e-06	1.11e-06
775	156	2.47e-03	0.82	-0.36	0.0	-2.04e-06	0.0
776	4	1.77e-03	1.69	-0.65	0.0	-1.38e-06	1.04e-06
776	7	3.16e-03	1.33	-0.50	0.0	-3.06e-06	1.13e-06
776	16	28.39	-4.47	-0.73	0.0	2.85e-03	-1.63e-03
776	19	28.39	-2.53	-0.77	0.0	2.85e-03	-1.63e-03
776	29	-25.89	6.94	-0.04	0.0	-2.52e-03	1.66e-03
776	48	24.20	-3.89	-0.67	0.0	2.47e-03	-1.42e-03
776	51	24.20	-1.86	-0.72	0.0	2.47e-03	-1.42e-03
776	61	-20.70	6.09	-0.11	0.0	-2.03e-03	1.34e-03
776	80	21.04	-3.29	-0.63	0.0	2.15e-03	-1.24e-03
776	83	21.04	-1.48	-0.67	0.0	2.15e-03	-1.24e-03
776	93	-17.91	5.44	-0.15	0.0	-1.76e-03	1.16e-03
776	112	35.34	-5.70	-0.82	0.0	3.54e-03	-2.02e-03
776	115	35.34	-3.44	-0.87	0.0	3.54e-03	-2.02e-03
776	125	-33.01	8.45	0.04	0.0	-3.21e-03	2.11e-03
776	145	2.06e-03	1.12	-0.43	0.0	-1.91e-06	0.0
776	146	1.17e-03	1.18	-0.46	0.0	0.0	0.0
776	151	1.40e-03	0.97	-0.38	0.0	-1.24e-06	0.0
776	156	1.18e-03	0.92	-0.37	0.0	-1.02e-06	0.0
777	4	3.12e-03	1.88	-0.66	-1.61e-04	0.0	0.0
777	16	30.03	-4.63	-0.74	1.41e-04	1.42e-03	-1.66e-03
777	19	30.03	-2.62	-0.77	7.98e-05	1.42e-03	-1.65e-03
777	29	-27.34	7.33	-0.05	-3.33e-04	-1.26e-03	1.68e-03
777	48	25.60	-4.02	-0.68	1.19e-04	1.23e-03	-1.44e-03
777	51	25.60	-1.92	-0.72	5.51e-05	1.23e-03	-1.44e-03
777	61	-21.86	6.43	-0.12	-3.01e-04	-1.01e-03	1.36e-03
777	80	22.26	-3.39	-0.64	9.42e-05	1.07e-03	-1.26e-03
777	83	22.25	-1.52	-0.67	3.66e-05	1.07e-03	-1.26e-03
777	93	-18.92	5.75	-0.15	-2.74e-04	-8.77e-04	1.18e-03
777	112	37.37	-5.92	-0.83	1.93e-04	1.77e-03	-2.05e-03
777	115	37.37	-3.58	-0.87	1.21e-04	1.77e-03	-2.05e-03
777	125	-34.86	8.91	0.04	-3.93e-04	-1.60e-03	2.13e-03
777	146	2.18e-03	1.32	-0.47	-1.12e-04	0.0	0.0
777	151	1.75e-03	1.08	-0.39	-9.15e-05	0.0	0.0
777	156	1.67e-03	1.02	-0.37	-8.70e-05	0.0	0.0
778	3	9.70e-03	0.95	-0.51	-2.84e-04	0.0	7.86e-06
778	4	9.15e-03	1.01	-0.54	-2.99e-04	0.0	6.05e-06
778	16	21.82	-3.18	0.53	2.81e-04	0.0	-1.07e-03
778	17	-21.81	4.27	-1.14	-6.06e-04	0.0	1.08e-03
778	29	-19.98	4.74	-1.09	-6.36e-04	0.0	1.25e-03
778	48	18.59	-2.79	0.41	2.46e-04	0.0	-9.01e-04
778	49	-18.58	3.88	-1.02	-5.71e-04	0.0	9.07e-04
778	77	-4.08	4.38	-0.55	-5.98e-04	0.0	1.20e-04

778	80	16.16	-2.38	0.31	1.97e-04	0.0	-7.82e-04
778	81	-16.15	3.47	-0.93	-5.22e-04	0.0	7.88e-04
778	109	-3.52	3.95	-0.52	-5.49e-04	0.0	9.88e-05
778	112	27.16	-4.03	0.73	3.78e-04	0.0	-1.34e-03
778	113	-27.15	5.12	-1.34	-7.03e-04	0.0	1.35e-03
778	125	-25.47	5.78	-1.30	-7.49e-04	0.0	1.59e-03
778	145	6.73e-03	0.67	-0.36	-1.99e-04	0.0	5.15e-06
778	146	6.36e-03	0.70	-0.38	-2.09e-04	0.0	3.95e-06
778	151	5.59e-03	0.58	-0.32	-1.71e-04	0.0	3.63e-06
778	156	5.20e-03	0.55	-0.31	-1.62e-04	0.0	3.12e-06
779	3	0.01	1.12	-0.52	-2.82e-04	0.0	3.36e-06
779	4	9.25e-03	1.18	-0.56	-2.98e-04	0.0	0.0
779	16	23.47	-3.34	0.54	2.70e-04	0.0	-1.13e-03
779	17	-23.46	4.62	-1.17	-5.93e-04	0.0	1.13e-03
779	29	-21.48	5.10	-1.12	-6.23e-04	0.0	1.31e-03
779	48	19.99	-2.93	0.42	2.34e-04	0.0	-9.47e-04
779	49	-19.98	4.21	-1.05	-5.57e-04	0.0	9.47e-04
779	77	-4.36	4.72	-0.56	-5.59e-04	0.0	1.04e-04
779	80	17.38	-2.48	0.32	1.86e-04	0.0	-8.22e-04
779	81	-17.37	3.76	-0.95	-5.09e-04	0.0	8.22e-04
779	109	-3.75	4.26	-0.53	-5.15e-04	0.0	8.35e-05
779	112	29.22	-4.24	0.75	3.65e-04	0.0	-1.41e-03
779	113	-29.21	5.52	-1.38	-6.88e-04	0.0	1.41e-03
779	125	-27.38	6.20	-1.34	-7.34e-04	0.0	1.67e-03
779	145	7.20e-03	0.78	-0.37	-1.97e-04	0.0	1.86e-06
779	146	6.38e-03	0.82	-0.39	-2.08e-04	0.0	0.0
779	151	5.80e-03	0.68	-0.33	-1.70e-04	0.0	0.0
779	156	5.33e-03	0.64	-0.32	-1.61e-04	0.0	0.0
780	3	8.60e-03	1.28	-0.53	-2.81e-04	0.0	-4.96e-06
780	4	6.88e-03	1.35	-0.57	-2.98e-04	0.0	-1.02e-05
780	16	25.12	-3.49	0.55	2.51e-04	0.0	-1.21e-03
780	17	-25.11	4.95	-1.19	-5.74e-04	0.0	1.20e-03
780	29	-22.95	5.45	-1.14	-6.04e-04	0.0	1.38e-03
780	48	21.40	-3.05	0.42	2.14e-04	0.0	-1.01e-03
780	49	-21.39	4.52	-1.07	-5.37e-04	0.0	1.00e-03
780	77	-4.61	5.02	-0.58	-5.08e-04	0.0	1.01e-04
780	80	18.60	-2.58	0.33	1.68e-04	0.0	-8.81e-04
780	81	-18.59	4.05	-0.97	-4.91e-04	0.0	8.70e-04
780	109	-3.97	4.54	-0.54	-4.70e-04	0.0	8.05e-05
780	112	31.27	-4.44	0.76	3.43e-04	0.0	-1.51e-03
780	113	-31.26	5.91	-1.40	-6.66e-04	0.0	1.50e-03
780	125	-29.27	6.62	-1.36	-7.12e-04	0.0	1.77e-03
780	145	5.85e-03	0.90	-0.38	-1.97e-04	0.0	-4.03e-06
780	146	4.70e-03	0.94	-0.40	-2.08e-04	0.0	-7.54e-06
780	151	4.52e-03	0.77	-0.33	-1.70e-04	0.0	-4.99e-06
780	156	4.08e-03	0.73	-0.32	-1.62e-04	0.0	-5.32e-06
781	3	5.77e-03	1.45	-0.54	-2.83e-04	0.0	-1.24e-05
781	4	3.95e-03	1.53	-0.57	-3.00e-04	0.0	-1.88e-05
781	16	26.76	-3.62	0.56	2.27e-04	0.0	-1.30e-03
781	17	-26.75	5.28	-1.20	-5.53e-04	0.0	1.28e-03
781	29	-24.42	5.79	-1.15	-5.83e-04	0.0	1.47e-03
781	48	22.80	-3.16	0.43	1.90e-04	0.0	-1.10e-03
781	49	-22.79	4.82	-1.08	-5.15e-04	0.0	1.08e-03
781	77	-4.86	5.30	-0.58	-4.56e-04	0.0	1.28e-04
781	80	19.82	-2.67	0.33	1.46e-04	0.0	-9.56e-04
781	81	-19.82	4.33	-0.98	-4.72e-04	0.0	9.37e-04
781	109	-4.18	4.79	-0.55	-4.23e-04	0.0	1.03e-04
781	112	33.30	-4.63	0.77	3.15e-04	0.0	-1.63e-03
781	113	-33.30	6.28	-1.42	-6.41e-04	0.0	1.61e-03
781	125	-31.14	7.02	-1.38	-6.87e-04	0.0	1.88e-03
781	145	3.87e-03	1.01	-0.38	-1.98e-04	0.0	-9.24e-06
781	146	2.66e-03	1.07	-0.40	-2.10e-04	0.0	-1.35e-05
781	151	2.82e-03	0.87	-0.34	-1.72e-04	0.0	-9.61e-06
781	156	2.47e-03	0.83	-0.32	-1.63e-04	0.0	-9.74e-06
782	4	1.85e-03	1.70	-0.57	-3.04e-04	0.0	-1.98e-05
782	7	3.21e-03	1.34	-0.44	-2.37e-04	0.0	-9.73e-06
782	16	28.39	-3.74	0.56	2.06e-04	0.0	-1.58e-03
782	17	-28.39	5.59	-1.21	-5.36e-04	0.0	1.56e-03
782	29	-25.89	6.12	-1.16	-5.66e-04	0.0	1.58e-03
782	48	24.20	-3.26	0.43	1.68e-04	0.0	-1.38e-03
782	49	-24.20	5.11	-1.08	-4.97e-04	0.0	1.36e-03
782	77	-5.09	5.54	-0.59	-4.13e-04	0.0	1.61e-04
782	80	21.04	-2.74	0.33	1.27e-04	0.0	-1.20e-03
782	81	-21.04	4.59	-0.99	-4.56e-04	0.0	1.18e-03
782	109	-4.38	5.02	-0.55	-3.84e-04	0.0	1.32e-04

782	112	35.34	-4.80	0.77	2.91e-04	0.0	-1.96e-03
782	113	-35.34	6.65	-1.43	-6.21e-04	0.0	1.94e-03
782	125	-33.01	7.41	-1.38	-6.66e-04	0.0	2.01e-03
782	145	2.11e-03	1.13	-0.38	-2.00e-04	0.0	-1.03e-05
782	146	1.22e-03	1.19	-0.41	-2.12e-04	0.0	-1.41e-05
782	151	1.45e-03	0.97	-0.34	-1.74e-04	0.0	-1.03e-05
782	156	1.23e-03	0.92	-0.33	-1.65e-04	0.0	-1.02e-05
783	4	2.83e-03	1.88	-0.57	-3.07e-04	0.0	-2.81e-06
783	16	30.03	-3.85	0.56	1.97e-04	0.0	-1.64e-03
783	17	-30.02	5.90	-1.21	-5.29e-04	0.0	1.64e-03
783	29	-27.34	6.45	-1.16	-5.59e-04	0.0	1.66e-03
783	48	25.60	-3.35	0.43	1.58e-04	0.0	-1.43e-03
783	49	-25.60	5.39	-1.09	-4.91e-04	0.0	1.43e-03
783	77	-5.32	5.77	-0.59	-4.00e-04	0.0	1.63e-04
783	80	22.26	-2.81	0.34	1.18e-04	0.0	-1.25e-03
783	81	-22.25	4.85	-0.99	-4.51e-04	0.0	1.24e-03
783	109	-4.57	5.23	-0.55	-3.73e-04	0.0	1.35e-04
783	112	37.37	-4.96	0.78	2.80e-04	0.0	-2.03e-03
783	113	-37.37	7.00	-1.43	-6.13e-04	0.0	2.03e-03
783	125	-34.87	7.79	-1.39	-6.58e-04	0.0	2.11e-03
783	146	1.98e-03	1.31	-0.41	-2.15e-04	0.0	-2.02e-06
783	151	1.59e-03	1.08	-0.34	-1.75e-04	0.0	-1.35e-06
783	156	1.51e-03	1.02	-0.33	-1.66e-04	0.0	-1.39e-06
784	3	9.63e-03	0.95	-0.48	-2.83e-04	0.0	7.01e-06
784	4	9.08e-03	1.01	-0.51	-3.00e-04	0.0	5.18e-06
784	16	21.82	-2.63	1.95	2.54e-04	0.0	-1.07e-03
784	17	-21.81	3.72	-2.53	-5.80e-04	0.0	1.08e-03
784	45	-5.31	4.27	-1.04	-6.55e-04	0.0	2.10e-04
784	48	18.58	-2.32	1.62	2.28e-04	0.0	-9.03e-04
784	49	-18.57	3.41	-2.21	-5.53e-04	0.0	9.08e-04
784	77	-4.08	4.23	-0.93	-6.56e-04	0.0	1.20e-04
784	80	16.16	-1.97	1.38	1.82e-04	0.0	-7.83e-04
784	81	-16.15	3.06	-1.96	-5.07e-04	0.0	7.89e-04
784	109	-3.52	3.82	-0.85	-6.02e-04	0.0	9.88e-05
784	112	27.16	-3.34	2.49	3.43e-04	0.0	-1.34e-03
784	113	-27.15	4.43	-3.07	-6.68e-04	0.0	1.35e-03
784	141	-6.84	4.97	-1.22	-7.44e-04	0.0	2.92e-04
784	145	6.68e-03	0.66	-0.34	-1.98e-04	0.0	4.57e-06
784	146	6.31e-03	0.70	-0.36	-2.09e-04	0.0	3.35e-06
784	151	5.54e-03	0.57	-0.30	-1.72e-04	0.0	3.14e-06
784	156	5.16e-03	0.54	-0.29	-1.63e-04	0.0	2.66e-06
785	3	0.01	1.12	-0.50	-2.86e-04	0.0	3.24e-06
785	4	9.26e-03	1.18	-0.53	-3.03e-04	0.0	0.0
785	16	23.47	-2.76	1.94	2.19e-04	0.0	-1.13e-03
785	17	-23.46	4.04	-2.55	-5.47e-04	0.0	1.13e-03
785	45	-5.68	4.64	-1.06	-5.83e-04	0.0	2.01e-04
785	48	19.99	-2.44	1.62	1.92e-04	0.0	-9.48e-04
785	49	-19.98	3.72	-2.23	-5.20e-04	0.0	9.47e-04
785	77	-4.36	4.59	-0.95	-5.82e-04	0.0	1.04e-04
785	80	17.38	-2.06	1.37	1.49e-04	0.0	-8.22e-04
785	81	-17.37	3.34	-1.98	-4.77e-04	0.0	8.22e-04
785	109	-3.75	4.15	-0.87	-5.36e-04	0.0	8.38e-05
785	112	29.22	-3.52	2.49	3.01e-04	0.0	-1.41e-03
785	113	-29.21	4.80	-3.09	-6.30e-04	0.0	1.41e-03
785	141	-7.33	5.39	-1.24	-6.61e-04	0.0	2.83e-04
785	145	7.22e-03	0.78	-0.35	-2.00e-04	0.0	1.77e-06
785	146	6.40e-03	0.82	-0.37	-2.11e-04	0.0	0.0
785	151	5.81e-03	0.68	-0.31	-1.73e-04	0.0	0.0
785	156	5.34e-03	0.64	-0.30	-1.64e-04	0.0	0.0
786	3	8.60e-03	1.28	-0.51	-2.87e-04	0.0	-4.94e-06
786	4	6.88e-03	1.36	-0.54	-3.04e-04	0.0	-1.02e-05
786	16	25.12	-2.87	1.95	1.78e-04	0.0	-1.21e-03
786	17	-25.11	4.34	-2.56	-5.07e-04	0.0	1.20e-03
786	45	-6.04	4.95	-1.07	-4.91e-04	0.0	2.05e-04
786	48	21.40	-2.53	1.63	1.49e-04	0.0	-1.01e-03
786	49	-21.39	4.00	-2.24	-4.78e-04	0.0	1.00e-03
786	77	-4.61	4.90	-0.96	-4.86e-04	0.0	1.02e-04
786	80	18.60	-2.13	1.38	1.11e-04	0.0	-8.81e-04
786	81	-18.59	3.60	-1.99	-4.40e-04	0.0	8.70e-04
786	109	-3.97	4.44	-0.88	-4.51e-04	0.0	8.12e-05
786	112	31.26	-3.67	2.49	2.53e-04	0.0	-1.51e-03
786	113	-31.26	5.14	-3.11	-5.82e-04	0.0	1.50e-03
786	141	-7.80	5.74	-1.26	-5.53e-04	0.0	2.91e-04
786	145	5.85e-03	0.90	-0.36	-2.01e-04	0.0	-4.02e-06
786	146	4.71e-03	0.95	-0.38	-2.12e-04	0.0	-7.55e-06

786	151	4.52e-03	0.78	-0.32	-1.74e-04	0.0	-5.00e-06
786	156	4.08e-03	0.74	-0.31	-1.65e-04	0.0	-5.32e-06
787	3	5.75e-03	1.45	-0.51	-2.86e-04	0.0	-1.22e-05
787	4	3.93e-03	1.54	-0.54	-3.02e-04	0.0	-1.86e-05
787	16	26.76	-2.95	1.95	1.40e-04	0.0	-1.30e-03
787	17	-26.75	4.62	-2.57	-4.68e-04	0.0	1.28e-03
787	45	-6.38	5.20	-1.08	-3.98e-04	0.0	2.36e-04
787	48	22.80	-2.60	1.63	1.09e-04	0.0	-1.10e-03
787	49	-22.79	4.26	-2.25	-4.37e-04	0.0	1.08e-03
787	77	-4.86	5.15	-0.97	-3.90e-04	0.0	1.28e-04
787	80	19.82	-2.18	1.38	7.56e-05	0.0	-9.57e-04
787	81	-19.82	3.84	-2.00	-4.04e-04	0.0	9.38e-04
787	109	-4.18	4.67	-0.89	-3.65e-04	0.0	1.03e-04
787	112	33.30	-3.80	2.50	2.09e-04	0.0	-1.63e-03
787	113	-33.30	5.46	-3.12	-5.37e-04	0.0	1.61e-03
787	125	-31.14	6.05	-2.99	-5.74e-04	0.0	1.88e-03
787	145	3.86e-03	1.02	-0.36	-2.00e-04	0.0	-9.11e-06
787	146	2.64e-03	1.07	-0.38	-2.11e-04	0.0	-1.34e-05
787	151	2.81e-03	0.88	-0.32	-1.73e-04	0.0	-9.49e-06
787	156	2.46e-03	0.83	-0.31	-1.64e-04	0.0	-9.62e-06
788	4	1.75e-03	1.71	-0.55	-2.99e-04	0.0	-1.84e-05
788	7	3.14e-03	1.34	-0.42	-2.35e-04	0.0	-8.88e-06
788	16	28.39	-3.02	1.95	1.15e-04	0.0	-1.58e-03
788	17	-28.39	4.88	-2.57	-4.39e-04	0.0	1.56e-03
788	45	-6.71	5.40	-1.08	-3.29e-04	0.0	2.73e-04
788	48	24.20	-2.64	1.63	8.33e-05	0.0	-1.38e-03
788	49	-24.20	4.50	-2.25	-4.08e-04	0.0	1.36e-03
788	77	-5.09	5.34	-0.98	-3.18e-04	0.0	1.61e-04
788	80	21.04	-2.20	1.38	5.26e-05	0.0	-1.20e-03
788	81	-21.04	4.06	-2.00	-3.77e-04	0.0	1.18e-03
788	109	-4.38	4.85	-0.89	-3.00e-04	0.0	1.32e-04
788	112	35.34	-3.90	2.50	1.80e-04	0.0	-1.95e-03
788	113	-35.34	5.76	-3.12	-5.04e-04	0.0	1.93e-03
788	125	-33.01	6.37	-3.00	-5.41e-04	0.0	2.01e-03
788	145	2.04e-03	1.13	-0.37	-1.98e-04	0.0	-9.49e-06
788	146	1.15e-03	1.20	-0.39	-2.09e-04	0.0	-1.31e-05
788	151	1.39e-03	0.98	-0.32	-1.71e-04	0.0	-9.49e-06
788	156	1.17e-03	0.93	-0.31	-1.62e-04	0.0	-9.49e-06
789	4	2.08e-03	1.88	-0.55	-2.97e-04	0.0	-3.25e-06
789	16	30.03	-3.08	1.95	1.08e-04	0.0	-1.64e-03
789	17	-30.03	5.12	-2.57	-4.31e-04	0.0	1.64e-03
789	45	-7.04	5.56	-1.08	-3.02e-04	0.0	2.78e-04
789	48	25.60	-2.68	1.63	7.59e-05	0.0	-1.43e-03
789	49	-25.60	4.72	-2.25	-3.98e-04	0.0	1.43e-03
789	77	-5.32	5.50	-0.98	-2.90e-04	0.0	1.64e-04
789	80	22.26	-2.23	1.38	4.61e-05	0.0	-1.25e-03
789	81	-22.25	4.27	-2.00	-3.68e-04	0.0	1.24e-03
789	109	-4.57	5.00	-0.89	-2.75e-04	0.0	1.35e-04
789	112	37.37	-3.99	2.50	1.72e-04	0.0	-2.03e-03
789	113	-37.37	6.04	-3.12	-4.94e-04	0.0	2.03e-03
789	125	-34.87	6.67	-3.00	-5.30e-04	0.0	2.11e-03
789	146	1.46e-03	1.32	-0.39	-2.07e-04	0.0	-2.32e-06
789	151	1.17e-03	1.08	-0.33	-1.70e-04	0.0	-1.64e-06
789	156	1.12e-03	1.02	-0.31	-1.61e-04	0.0	-1.65e-06
790	3	0.01	0.96	-0.43	0.0	3.15e-06	4.93e-06
790	4	9.34e-03	1.01	-0.46	0.0	2.47e-06	3.93e-06
790	16	21.13	-3.73	-0.56	0.0	2.96e-03	-1.53e-03
790	19	21.13	-2.10	-0.58	0.0	2.96e-03	-1.53e-03
790	29	-19.18	5.39	0.01	0.0	-2.61e-03	1.54e-03
790	48	18.01	-3.26	-0.51	0.0	2.54e-03	-1.32e-03
790	51	18.01	-1.57	-0.53	0.0	2.54e-03	-1.32e-03
790	61	-15.35	4.70	-0.04	0.0	-2.10e-03	1.23e-03
790	80	15.66	-2.79	-0.48	0.0	2.21e-03	-1.15e-03
790	83	15.66	-1.27	-0.50	0.0	2.21e-03	-1.15e-03
790	93	-13.28	4.17	-0.07	0.0	-1.81e-03	1.07e-03
790	112	26.30	-4.72	-0.63	0.0	3.68e-03	-1.90e-03
790	115	26.30	-2.82	-0.65	0.0	3.68e-03	-1.90e-03
790	125	-24.45	6.60	0.09	0.0	-3.33e-03	1.97e-03
790	145	7.12e-03	0.67	-0.30	0.0	2.13e-06	3.29e-06
790	146	6.44e-03	0.71	-0.32	0.0	1.68e-06	2.62e-06
790	151	5.75e-03	0.58	-0.27	0.0	1.61e-06	2.43e-06
790	156	5.29e-03	0.55	-0.26	0.0	1.44e-06	2.15e-06
791	3	0.01	1.12	-0.44	0.0	0.0	3.27e-06
791	4	9.90e-03	1.18	-0.47	0.0	0.0	2.58e-06
791	16	22.77	-3.92	-0.57	0.0	2.87e-03	-1.54e-03

791	19	22.77	-2.20	-0.59	0.0	2.87e-03	-1.54e-03
791	29	-20.65	5.78	9.69e-03	0.0	-2.52e-03	1.56e-03
791	48	19.41	-3.42	-0.52	0.0	2.47e-03	-1.33e-03
791	51	19.41	-1.63	-0.54	0.0	2.47e-03	-1.33e-03
791	61	-16.52	5.04	-0.05	0.0	-2.03e-03	1.25e-03
791	80	16.87	-2.91	-0.49	0.0	2.15e-03	-1.16e-03
791	83	16.87	-1.32	-0.51	0.0	2.15e-03	-1.16e-03
791	93	-14.29	4.49	-0.08	0.0	-1.76e-03	1.08e-03
791	112	28.34	-4.96	-0.64	0.0	3.56e-03	-1.91e-03
791	115	28.34	-2.97	-0.67	0.0	3.56e-03	-1.91e-03
791	125	-26.33	7.06	0.09	0.0	-3.22e-03	1.99e-03
791	145	7.81e-03	0.78	-0.31	0.0	0.0	2.17e-06
791	146	6.80e-03	0.82	-0.33	0.0	0.0	1.71e-06
791	151	6.20e-03	0.68	-0.28	0.0	0.0	1.57e-06
791	156	5.67e-03	0.64	-0.27	0.0	0.0	1.37e-06
792	3	9.96e-03	1.28	-0.44	0.0	-3.30e-06	2.68e-06
792	4	8.16e-03	1.35	-0.48	0.0	-3.41e-06	2.33e-06
792	16	24.39	-4.10	-0.58	0.0	2.84e-03	-1.57e-03
792	19	24.39	-2.31	-0.60	0.0	2.84e-03	-1.57e-03
792	29	-22.10	6.16	7.61e-03	0.0	-2.50e-03	1.59e-03
792	48	20.79	-3.57	-0.53	0.0	2.45e-03	-1.36e-03
792	51	20.79	-1.71	-0.55	0.0	2.45e-03	-1.36e-03
792	61	-17.67	5.39	-0.05	0.0	-2.01e-03	1.28e-03
792	80	18.07	-3.04	-0.49	0.0	2.13e-03	-1.18e-03
792	83	18.07	-1.37	-0.51	0.0	2.13e-03	-1.18e-03
792	93	-15.29	4.80	-0.08	0.0	-1.74e-03	1.11e-03
792	112	30.35	-5.21	-0.65	0.0	3.52e-03	-1.95e-03
792	115	30.35	-3.12	-0.68	0.0	3.52e-03	-1.94e-03
792	125	-28.18	7.52	0.08	0.0	-3.18e-03	2.03e-03
792	145	6.78e-03	0.89	-0.32	0.0	-2.31e-06	1.79e-06
792	146	5.57e-03	0.94	-0.34	0.0	-2.38e-06	1.56e-06
792	151	5.25e-03	0.77	-0.28	0.0	-1.98e-06	1.36e-06
792	156	4.74e-03	0.73	-0.27	0.0	-1.87e-06	1.21e-06
793	3	7.22e-03	1.44	-0.45	0.0	-4.65e-06	2.17e-06
793	4	5.52e-03	1.52	-0.48	0.0	-4.00e-06	2.13e-06
793	16	26.01	-4.29	-0.58	0.0	2.82e-03	-1.60e-03
793	19	26.01	-2.42	-0.60	0.0	2.82e-03	-1.60e-03
793	29	-23.54	6.55	5.23e-03	0.0	-2.49e-03	1.63e-03
793	48	22.17	-3.73	-0.54	0.0	2.44e-03	-1.39e-03
793	51	22.17	-1.79	-0.56	0.0	2.44e-03	-1.39e-03
793	61	-18.82	5.74	-0.05	0.0	-2.00e-03	1.31e-03
793	80	19.27	-3.16	-0.50	0.0	2.12e-03	-1.21e-03
793	83	19.27	-1.43	-0.52	0.0	2.12e-03	-1.21e-03
793	93	-16.29	5.12	-0.08	0.0	-1.74e-03	1.14e-03
793	112	32.37	-5.46	-0.66	0.0	3.50e-03	-1.99e-03
793	115	32.36	-3.28	-0.68	0.0	3.50e-03	-1.99e-03
793	125	-30.02	7.99	0.08	0.0	-3.17e-03	2.07e-03
793	145	4.87e-03	1.01	-0.32	0.0	-3.18e-06	1.47e-06
793	146	3.74e-03	1.06	-0.34	0.0	-2.74e-06	1.45e-06
793	151	3.67e-03	0.87	-0.29	0.0	-2.51e-06	1.19e-06
793	156	3.27e-03	0.82	-0.27	0.0	-2.29e-06	1.09e-06
794	3	4.29e-03	1.60	-0.46	0.0	-4.80e-06	1.19e-06
794	4	3.25e-03	1.69	-0.49	0.0	-3.35e-06	1.33e-06
794	16	27.62	-4.47	-0.59	0.0	2.81e-03	-1.64e-03
794	19	27.62	-2.53	-0.61	0.0	2.81e-03	-1.64e-03
794	29	-24.98	6.94	1.82e-03	0.0	-2.48e-03	1.66e-03
794	48	23.55	-3.89	-0.54	0.0	2.43e-03	-1.42e-03
794	51	23.55	-1.86	-0.56	0.0	2.43e-03	-1.42e-03
794	61	-19.97	6.09	-0.06	0.0	-2.00e-03	1.34e-03
794	80	20.47	-3.29	-0.51	0.0	2.12e-03	-1.24e-03
794	83	20.47	-1.48	-0.53	0.0	2.12e-03	-1.24e-03
794	93	-17.28	5.44	-0.09	0.0	-1.73e-03	1.16e-03
794	112	34.37	-5.70	-0.67	0.0	3.49e-03	-2.03e-03
794	115	34.37	-3.44	-0.69	0.0	3.49e-03	-2.03e-03
794	125	-31.86	8.45	0.08	0.0	-3.16e-03	2.11e-03
794	145	2.89e-03	1.12	-0.32	0.0	-3.22e-06	0.0
794	146	2.20e-03	1.18	-0.35	0.0	-2.25e-06	0.0
794	151	2.17e-03	0.97	-0.29	0.0	-2.34e-06	0.0
794	156	1.93e-03	0.92	-0.28	0.0	-2.05e-06	0.0
795	4	1.58e-03	1.88	-0.51	0.0	-3.07e-06	0.0
795	16	29.23	-4.63	-0.60	0.0	2.81e-03	-1.67e-03
795	19	29.23	-2.62	-0.62	0.0	2.81e-03	-1.67e-03
795	29	-26.42	7.33	-4.95e-03	0.0	-2.48e-03	1.69e-03
795	48	24.93	-4.02	-0.55	0.0	2.43e-03	-1.46e-03
795	51	24.93	-1.92	-0.57	0.0	2.43e-03	-1.45e-03

795	61	-21.12	6.43	-0.06	0.0	-2.00e-03	1.37e-03
795	80	21.67	-3.39	-0.51	0.0	2.11e-03	-1.27e-03
795	83	21.67	-1.52	-0.53	0.0	2.11e-03	-1.27e-03
795	93	-18.27	5.75	-0.09	0.0	-1.73e-03	1.19e-03
795	112	36.37	-5.92	-0.67	0.0	3.49e-03	-2.07e-03
795	115	36.37	-3.58	-0.70	0.0	3.49e-03	-2.07e-03
795	125	-33.70	8.90	0.07	0.0	-3.16e-03	2.15e-03
795	146	1.10e-03	1.31	-0.36	0.0	-2.03e-06	0.0
795	151	8.93e-04	1.08	-0.30	0.0	-2.28e-06	0.0
795	156	8.50e-04	1.02	-0.29	0.0	-1.95e-06	0.0
796	3	0.01	0.96	-0.32	0.0	0.0	6.49e-06
796	4	0.01	1.01	-0.34	0.0	0.0	5.20e-06
796	16	20.35	-3.74	-0.47	0.0	2.96e-03	-1.65e-03
796	29	-18.29	5.39	0.05	0.0	-2.62e-03	1.65e-03
796	48	17.36	-3.26	-0.43	0.0	2.54e-03	-1.42e-03
796	61	-14.63	4.70	-1.70e-03	0.0	-2.09e-03	1.32e-03
796	80	15.10	-2.79	-0.40	0.0	2.21e-03	-1.24e-03
796	93	-12.66	4.17	-0.03	0.0	-1.81e-03	1.14e-03
796	112	25.32	-4.72	-0.54	0.0	3.68e-03	-2.05e-03
796	125	-23.32	6.60	0.11	0.0	-3.33e-03	2.11e-03
796	145	9.09e-03	0.67	-0.23	0.0	0.0	4.33e-06
796	146	8.00e-03	0.70	-0.24	0.0	0.0	3.47e-06
796	151	7.19e-03	0.58	-0.20	0.0	0.0	3.19e-06
796	156	6.56e-03	0.55	-0.20	0.0	0.0	2.81e-06
797	3	0.01	1.12	-0.33	0.0	-1.80e-06	3.89e-06
797	4	0.01	1.18	-0.35	0.0	-2.03e-06	2.98e-06
797	16	22.01	-3.92	-0.48	0.0	2.87e-03	-1.64e-03
797	29	-19.77	5.78	0.05	0.0	-2.53e-03	1.64e-03
797	48	18.77	-3.42	-0.44	0.0	2.47e-03	-1.41e-03
797	61	-15.81	5.04	-7.87e-04	0.0	-2.03e-03	1.32e-03
797	80	16.32	-2.91	-0.41	0.0	2.15e-03	-1.23e-03
797	93	-13.68	4.49	-0.03	0.0	-1.75e-03	1.14e-03
797	112	27.39	-4.96	-0.55	0.0	3.57e-03	-2.03e-03
797	125	-25.21	7.06	0.12	0.0	-3.22e-03	2.10e-03
797	145	8.90e-03	0.78	-0.23	0.0	-1.26e-06	2.56e-06
797	146	7.63e-03	0.82	-0.25	0.0	-1.41e-06	1.96e-06
797	151	6.97e-03	0.68	-0.21	0.0	-1.12e-06	1.82e-06
797	156	6.32e-03	0.64	-0.20	0.0	-1.07e-06	1.57e-06
798	3	0.01	1.28	-0.33	0.0	-4.00e-06	2.56e-06
798	4	9.29e-03	1.35	-0.36	0.0	-3.76e-06	2.07e-06
798	16	23.63	-4.10	-0.49	0.0	2.83e-03	-1.64e-03
798	29	-21.21	6.16	0.05	0.0	-2.48e-03	1.65e-03
798	48	20.16	-3.57	-0.45	0.0	2.43e-03	-1.41e-03
798	61	-16.96	5.39	-6.05e-04	0.0	-2.00e-03	1.32e-03
798	80	17.53	-3.04	-0.42	0.0	2.12e-03	-1.23e-03
798	93	-14.68	4.80	-0.03	0.0	-1.73e-03	1.15e-03
798	112	29.41	-5.21	-0.56	0.0	3.51e-03	-2.03e-03
798	125	-27.05	7.52	0.12	0.0	-3.17e-03	2.10e-03
798	145	7.63e-03	0.89	-0.24	0.0	-2.75e-06	1.69e-06
798	146	6.32e-03	0.94	-0.25	0.0	-2.59e-06	1.36e-06
798	151	5.89e-03	0.77	-0.21	0.0	-2.24e-06	1.21e-06
798	156	5.31e-03	0.73	-0.21	0.0	-2.07e-06	1.06e-06
799	3	8.28e-03	1.44	-0.34	0.0	-5.43e-06	1.68e-06
799	4	6.63e-03	1.52	-0.36	0.0	-4.56e-06	1.55e-06
799	16	25.24	-4.29	-0.50	0.0	2.80e-03	-1.64e-03
799	29	-22.65	6.55	0.05	0.0	-2.47e-03	1.66e-03
799	48	21.53	-3.73	-0.46	0.0	2.41e-03	-1.42e-03
799	61	-18.10	5.74	-1.37e-03	0.0	-1.98e-03	1.34e-03
799	80	18.72	-3.16	-0.43	0.0	2.10e-03	-1.24e-03
799	93	-15.67	5.12	-0.03	0.0	-1.72e-03	1.16e-03
799	112	31.41	-5.46	-0.57	0.0	3.48e-03	-2.04e-03
799	125	-28.88	7.99	0.12	0.0	-3.14e-03	2.12e-03
799	145	5.60e-03	1.01	-0.24	0.0	-3.69e-06	1.12e-06
799	146	4.50e-03	1.06	-0.26	0.0	-3.11e-06	1.03e-06
799	151	4.27e-03	0.87	-0.22	0.0	-2.87e-06	0.0
799	156	3.83e-03	0.82	-0.21	0.0	-2.59e-06	0.0
800	3	4.76e-03	1.61	-0.34	0.0	-6.10e-06	0.0
800	4	3.83e-03	1.69	-0.37	0.0	-4.69e-06	0.0
800	16	26.84	-4.47	-0.51	0.0	2.79e-03	-1.66e-03
800	29	-24.07	6.94	0.05	0.0	-2.46e-03	1.68e-03
800	48	22.89	-3.89	-0.47	0.0	2.40e-03	-1.44e-03
800	61	-19.24	6.09	-3.85e-03	0.0	-1.98e-03	1.35e-03
800	80	19.91	-3.29	-0.43	0.0	2.09e-03	-1.25e-03
800	93	-16.65	5.43	-0.03	0.0	-1.71e-03	1.17e-03
800	112	33.40	-5.70	-0.58	0.0	3.46e-03	-2.05e-03

800	125	-30.71	8.45	0.12	0.0	-3.13e-03	2.13e-03
800	145	3.22e-03	1.12	-0.24	0.0	-4.11e-06	0.0
800	146	2.60e-03	1.18	-0.27	0.0	-3.17e-06	0.0
800	151	2.46e-03	0.97	-0.22	0.0	-3.08e-06	0.0
800	154	1.96e-03	0.94	-0.22	0.0	-2.36e-06	0.0
800	156	2.21e-03	0.92	-0.21	0.0	-2.74e-06	0.0
801	4	1.11e-03	1.88	-0.39	0.0	-4.64e-06	0.0
801	11	1.06e-03	1.73	-0.39	0.0	-1.27e-06	0.0
801	16	28.44	-4.63	-0.52	0.0	2.78e-03	-1.67e-03
801	29	-25.50	7.33	0.04	0.0	-2.46e-03	1.69e-03
801	48	24.26	-4.02	-0.47	0.0	2.40e-03	-1.46e-03
801	61	-20.38	6.43	-0.01	0.0	-1.98e-03	1.37e-03
801	80	21.09	-3.40	-0.44	0.0	2.09e-03	-1.27e-03
801	93	-17.63	5.75	-0.04	0.0	-1.71e-03	1.19e-03
801	112	35.38	-5.93	-0.59	0.0	3.45e-03	-2.07e-03
801	125	-32.52	8.90	0.11	0.0	-3.13e-03	2.15e-03
801	146	7.75e-04	1.31	-0.28	0.0	-3.12e-06	0.0
801	149	7.44e-04	1.21	-0.28	0.0	0.0	0.0
801	151	6.27e-04	1.08	-0.23	0.0	-3.12e-06	0.0
801	154	6.20e-04	1.05	-0.23	0.0	-2.29e-06	0.0
801	156	5.97e-04	1.02	-0.22	0.0	-2.74e-06	0.0
802	3	0.02	0.96	-0.24	0.0	-2.22e-06	7.50e-06
802	4	0.01	1.01	-0.26	0.0	-2.40e-06	6.02e-06
802	16	19.52	-3.74	-0.46	0.0	2.95e-03	-1.73e-03
802	29	-17.35	5.39	0.14	0.0	-2.59e-03	1.72e-03
802	48	16.67	-3.26	-0.41	0.0	2.53e-03	-1.49e-03
802	61	-13.88	4.70	0.08	0.0	-2.08e-03	1.38e-03
802	80	14.50	-2.79	-0.38	0.0	2.20e-03	-1.29e-03
802	93	-12.01	4.17	0.05	0.0	-1.80e-03	1.19e-03
802	112	24.29	-4.72	-0.53	0.0	3.66e-03	-2.15e-03
802	125	-22.13	6.60	0.21	0.0	-3.31e-03	2.19e-03
802	145	0.01	0.67	-0.17	0.0	-1.55e-06	4.99e-06
802	146	0.01	0.70	-0.18	0.0	-1.67e-06	4.00e-06
802	151	9.10e-03	0.58	-0.15	0.0	-1.34e-06	3.67e-06
802	154	7.61e-03	0.56	-0.16	0.0	-1.31e-06	2.83e-06
802	156	8.25e-03	0.55	-0.15	0.0	-1.27e-06	3.22e-06
803	3	0.02	1.12	-0.24	0.0	-3.91e-06	4.62e-06
803	4	0.01	1.18	-0.26	0.0	-3.78e-06	3.48e-06
803	16	21.19	-3.92	-0.47	0.0	2.88e-03	-1.73e-03
803	29	-18.84	5.78	0.14	0.0	-2.53e-03	1.72e-03
803	48	18.09	-3.42	-0.42	0.0	2.48e-03	-1.49e-03
803	61	-15.07	5.04	0.09	0.0	-2.03e-03	1.38e-03
803	80	15.73	-2.91	-0.39	0.0	2.15e-03	-1.30e-03
803	93	-13.04	4.49	0.06	0.0	-1.76e-03	1.19e-03
803	112	26.37	-4.96	-0.55	0.0	3.58e-03	-2.15e-03
803	125	-24.03	7.06	0.22	0.0	-3.23e-03	2.20e-03
803	145	0.01	0.78	-0.17	0.0	-2.69e-06	3.04e-06
803	146	8.78e-03	0.82	-0.19	0.0	-2.60e-06	2.27e-06
803	151	8.04e-03	0.68	-0.16	0.0	-2.20e-06	2.14e-06
803	154	6.59e-03	0.66	-0.16	0.0	-2.01e-06	1.53e-06
803	156	7.25e-03	0.64	-0.15	0.0	-2.04e-06	1.84e-06
804	3	0.01	1.28	-0.24	0.0	-5.40e-06	2.61e-06
804	4	0.01	1.35	-0.27	0.0	-4.81e-06	1.85e-06
804	11	5.03e-03	1.24	-0.27	0.0	-3.06e-06	0.0
804	16	22.83	-4.10	-0.48	0.0	2.83e-03	-1.71e-03
804	29	-20.29	6.16	0.15	0.0	-2.49e-03	1.71e-03
804	48	19.48	-3.57	-0.43	0.0	2.44e-03	-1.48e-03
804	61	-16.22	5.39	0.09	0.0	-2.00e-03	1.37e-03
804	80	16.94	-3.04	-0.40	0.0	2.12e-03	-1.29e-03
804	93	-14.04	4.80	0.06	0.0	-1.73e-03	1.19e-03
804	112	28.40	-5.21	-0.56	0.0	3.52e-03	-2.13e-03
804	125	-25.88	7.52	0.23	0.0	-3.17e-03	2.19e-03
804	145	8.51e-03	0.89	-0.18	0.0	-3.67e-06	1.69e-06
804	146	6.99e-03	0.94	-0.19	0.0	-3.28e-06	1.18e-06
804	149	3.47e-03	0.87	-0.19	0.0	-2.12e-06	0.0
804	151	6.50e-03	0.77	-0.16	0.0	-2.90e-06	1.13e-06
804	154	5.22e-03	0.75	-0.16	0.0	-2.49e-06	0.0
804	156	5.83e-03	0.73	-0.16	0.0	-2.65e-06	0.0
805	3	9.01e-03	1.44	-0.25	0.0	-6.53e-06	1.19e-06
805	4	7.24e-03	1.52	-0.27	0.0	-5.43e-06	0.0
805	11	3.26e-03	1.39	-0.27	0.0	-2.79e-06	0.0
805	16	24.44	-4.29	-0.49	0.0	2.80e-03	-1.70e-03
805	29	-21.73	6.55	0.15	0.0	-2.47e-03	1.71e-03
805	48	20.86	-3.73	-0.44	0.0	2.41e-03	-1.47e-03
805	61	-17.37	5.74	0.09	0.0	-1.98e-03	1.37e-03

805	80	18.14	-3.16	-0.40	0.0	2.10e-03	-1.28e-03
805	93	-15.03	5.12	0.06	0.0	-1.72e-03	1.19e-03
805	112	30.41	-5.46	-0.57	0.0	3.48e-03	-2.11e-03
805	125	-27.71	7.99	0.23	0.0	-3.15e-03	2.17e-03
805	145	6.08e-03	1.01	-0.18	0.0	-4.41e-06	0.0
805	146	4.90e-03	1.06	-0.20	0.0	-3.68e-06	0.0
805	149	2.24e-03	0.97	-0.20	0.0	-1.92e-06	0.0
805	151	4.61e-03	0.87	-0.16	0.0	-3.39e-06	0.0
805	154	3.65e-03	0.84	-0.17	0.0	-2.76e-06	0.0
805	156	4.12e-03	0.82	-0.16	0.0	-3.05e-06	0.0
806	3	4.89e-03	1.61	-0.25	0.0	-7.27e-06	0.0
806	4	3.93e-03	1.69	-0.28	0.0	-5.78e-06	0.0
806	11	1.76e-03	1.56	-0.28	0.0	-2.48e-06	0.0
806	16	26.05	-4.47	-0.50	0.0	2.78e-03	-1.68e-03
806	29	-23.16	6.94	0.15	0.0	-2.46e-03	1.70e-03
806	48	22.23	-3.89	-0.45	0.0	2.40e-03	-1.46e-03
806	61	-18.51	6.09	0.09	0.0	-1.97e-03	1.37e-03
806	80	19.33	-3.29	-0.41	0.0	2.09e-03	-1.27e-03
806	93	-16.01	5.43	0.06	0.0	-1.71e-03	1.19e-03
806	112	32.40	-5.70	-0.58	0.0	3.46e-03	-2.09e-03
806	125	-29.54	8.45	0.23	0.0	-3.13e-03	2.16e-03
806	145	3.30e-03	1.12	-0.18	0.0	-4.89e-06	0.0
806	146	2.66e-03	1.18	-0.20	0.0	-3.90e-06	0.0
806	149	1.22e-03	1.09	-0.20	0.0	-1.70e-06	0.0
806	151	2.50e-03	0.97	-0.17	0.0	-3.69e-06	0.0
806	154	1.98e-03	0.94	-0.17	0.0	-2.89e-06	0.0
806	156	2.24e-03	0.92	-0.16	0.0	-3.29e-06	0.0
807	4	3.98e-04	1.88	-0.30	0.0	-6.02e-06	-1.12e-06
807	11	3.88e-04	1.73	-0.30	0.0	-2.40e-06	-1.07e-06
807	16	27.64	-4.64	-0.50	0.0	2.78e-03	-1.67e-03
807	29	-24.58	7.33	0.14	0.0	-2.45e-03	1.69e-03
807	48	23.59	-4.03	-0.46	0.0	2.39e-03	-1.46e-03
807	61	-19.64	6.43	0.08	0.0	-1.97e-03	1.37e-03
807	80	20.52	-3.40	-0.42	0.0	2.08e-03	-1.27e-03
807	93	-16.99	5.75	0.05	0.0	-1.71e-03	1.19e-03
807	112	34.39	-5.93	-0.58	0.0	3.45e-03	-2.07e-03
807	125	-31.35	8.91	0.23	0.0	-3.13e-03	2.15e-03
807	146	2.79e-04	1.31	-0.21	0.0	-4.06e-06	0.0
807	149	2.72e-04	1.21	-0.22	0.0	-1.65e-06	0.0
807	151	2.25e-04	1.07	-0.18	0.0	-3.88e-06	0.0
807	154	2.25e-04	1.04	-0.18	0.0	-3.00e-06	0.0
807	156	2.15e-04	1.02	-0.17	0.0	-3.45e-06	0.0
808	3	0.02	0.96	-0.16	0.0	-4.69e-06	7.72e-06
808	4	0.02	1.01	-0.18	0.0	-4.71e-06	6.11e-06
808	11	9.98e-03	0.93	-0.18	0.0	-3.90e-06	2.40e-06
808	16	18.66	-3.74	-0.53	0.0	2.92e-03	-1.78e-03
808	29	-16.40	5.39	0.29	0.0	-2.56e-03	1.76e-03
808	48	15.95	-3.26	-0.47	0.0	2.50e-03	-1.53e-03
808	61	-13.12	4.70	0.22	0.0	-2.05e-03	1.41e-03
808	80	13.87	-2.79	-0.42	0.0	2.18e-03	-1.33e-03
808	93	-11.35	4.17	0.18	0.0	-1.77e-03	1.22e-03
808	112	23.21	-4.72	-0.63	0.0	3.63e-03	-2.22e-03
808	125	-20.91	6.60	0.40	0.0	-3.26e-03	2.24e-03
808	145	0.01	0.67	-0.12	0.0	-3.24e-06	5.12e-06
808	146	0.01	0.70	-0.13	0.0	-3.24e-06	4.05e-06
808	149	6.85e-03	0.65	-0.13	0.0	-2.71e-06	1.57e-06
808	151	0.01	0.58	-0.11	0.0	-2.69e-06	3.72e-06
808	154	9.18e-03	0.56	-0.11	0.0	-2.51e-06	2.82e-06
808	156	0.01	0.55	-0.11	0.0	-2.51e-06	3.25e-06
809	3	0.02	1.12	-0.17	0.0	-6.22e-06	4.99e-06
809	4	0.01	1.18	-0.18	0.0	-5.82e-06	3.63e-06
809	11	7.41e-03	1.08	-0.19	0.0	-4.18e-06	0.0
809	16	20.33	-3.92	-0.55	0.0	2.89e-03	-1.80e-03
809	29	-17.88	5.78	0.30	0.0	-2.53e-03	1.78e-03
809	48	17.37	-3.42	-0.48	0.0	2.48e-03	-1.54e-03
809	61	-14.30	5.04	0.23	0.0	-2.03e-03	1.42e-03
809	80	15.11	-2.91	-0.44	0.0	2.15e-03	-1.34e-03
809	93	-12.37	4.49	0.18	0.0	-1.75e-03	1.23e-03
809	112	25.29	-4.96	-0.65	0.0	3.59e-03	-2.23e-03
809	125	-22.80	7.06	0.41	0.0	-3.23e-03	2.27e-03
809	145	0.01	0.78	-0.12	0.0	-4.25e-06	3.27e-06
809	146	0.01	0.82	-0.13	0.0	-3.98e-06	2.36e-06
809	149	5.08e-03	0.76	-0.14	0.0	-2.89e-06	0.0
809	151	9.24e-03	0.68	-0.11	0.0	-3.42e-06	2.26e-06
809	154	7.44e-03	0.66	-0.11	0.0	-3.03e-06	1.56e-06

809	156	8.28e-03	0.64	-0.11	0.0	-3.14e-06	1.92e-06
810	3	0.01	1.28	-0.17	0.0	-7.21e-06	2.66e-06
810	4	0.01	1.35	-0.19	0.0	-6.33e-06	1.60e-06
810	11	4.96e-03	1.24	-0.19	0.0	-3.85e-06	0.0
810	16	21.98	-4.10	-0.56	0.0	2.85e-03	-1.78e-03
810	29	-19.34	6.16	0.31	0.0	-2.50e-03	1.77e-03
810	48	18.77	-3.57	-0.50	0.0	2.45e-03	-1.53e-03
810	61	-15.46	5.39	0.23	0.0	-2.01e-03	1.42e-03
810	80	16.33	-3.04	-0.45	0.0	2.13e-03	-1.33e-03
810	93	-13.38	4.80	0.19	0.0	-1.74e-03	1.23e-03
810	112	27.34	-5.21	-0.67	0.0	3.54e-03	-2.21e-03
810	125	-24.67	7.52	0.42	0.0	-3.19e-03	2.26e-03
810	145	9.40e-03	0.89	-0.12	0.0	-4.89e-06	1.70e-06
810	146	7.56e-03	0.94	-0.13	0.0	-4.30e-06	0.0
810	149	3.39e-03	0.87	-0.14	0.0	-2.65e-06	0.0
810	151	7.07e-03	0.77	-0.12	0.0	-3.82e-06	1.05e-06
810	154	5.56e-03	0.75	-0.12	0.0	-3.23e-06	0.0
810	156	6.30e-03	0.73	-0.11	0.0	-3.46e-06	0.0
811	3	9.50e-03	1.44	-0.17	0.0	-7.86e-06	0.0
811	4	7.41e-03	1.52	-0.19	0.0	-6.49e-06	0.0
811	11	2.86e-03	1.39	-0.20	0.0	-3.23e-06	-1.26e-06
811	16	23.61	-4.29	-0.57	0.0	2.83e-03	-1.75e-03
811	29	-20.78	6.55	0.31	0.0	-2.49e-03	1.75e-03
811	48	20.17	-3.73	-0.50	0.0	2.43e-03	-1.51e-03
811	61	-16.61	5.74	0.23	0.0	-1.99e-03	1.40e-03
811	80	17.54	-3.16	-0.45	0.0	2.11e-03	-1.32e-03
811	93	-14.37	5.12	0.19	0.0	-1.72e-03	1.22e-03
811	112	29.37	-5.46	-0.68	0.0	3.51e-03	-2.17e-03
811	125	-26.51	7.99	0.43	0.0	-3.17e-03	2.23e-03
811	145	6.37e-03	1.01	-0.13	0.0	-5.30e-06	0.0
811	146	4.98e-03	1.06	-0.14	0.0	-4.39e-06	0.0
811	149	1.95e-03	0.98	-0.14	0.0	-2.21e-06	0.0
811	151	4.74e-03	0.87	-0.12	0.0	-4.04e-06	0.0
811	154	3.64e-03	0.84	-0.12	0.0	-3.25e-06	0.0
811	156	4.19e-03	0.82	-0.12	0.0	-3.61e-06	0.0
812	3	4.74e-03	1.61	-0.18	0.0	-8.18e-06	0.0
812	4	3.60e-03	1.70	-0.20	0.0	-6.45e-06	-1.06e-06
812	11	1.20e-03	1.56	-0.21	0.0	-2.63e-06	-1.66e-06
812	16	25.24	-4.47	-0.57	0.0	2.81e-03	-1.71e-03
812	29	-22.23	6.94	0.31	0.0	-2.48e-03	1.72e-03
812	48	21.55	-3.88	-0.51	0.0	2.42e-03	-1.48e-03
812	61	-17.76	6.09	0.23	0.0	-1.99e-03	1.39e-03
812	80	18.74	-3.29	-0.46	0.0	2.10e-03	-1.29e-03
812	93	-15.37	5.43	0.19	0.0	-1.72e-03	1.20e-03
812	112	31.39	-5.70	-0.68	0.0	3.49e-03	-2.12e-03
812	125	-28.35	8.45	0.43	0.0	-3.16e-03	2.19e-03
812	145	3.17e-03	1.12	-0.13	0.0	-5.49e-06	0.0
812	146	2.41e-03	1.18	-0.14	0.0	-4.34e-06	0.0
812	149	8.12e-04	1.09	-0.15	0.0	-1.79e-06	-1.18e-06
812	151	2.33e-03	0.97	-0.12	0.0	-4.10e-06	0.0
812	154	1.75e-03	0.94	-0.12	0.0	-3.18e-06	0.0
812	156	2.06e-03	0.92	-0.12	0.0	-3.64e-06	0.0
813	4	-9.71e-05	1.88	-0.21	0.0	-6.34e-06	-1.53e-06
813	11	-8.77e-05	1.73	-0.23	0.0	-2.27e-06	-1.50e-06
813	16	26.85	-4.64	-0.58	0.0	2.81e-03	-1.68e-03
813	17	-26.85	6.68	0.33	0.0	-2.81e-03	1.68e-03
813	29	-23.66	7.33	0.31	0.0	-2.47e-03	1.69e-03
813	48	22.93	-4.03	-0.52	0.0	2.41e-03	-1.46e-03
813	49	-22.93	6.06	0.27	0.0	-2.42e-03	1.46e-03
813	61	-18.91	6.43	0.23	0.0	-1.98e-03	1.37e-03
813	80	19.94	-3.40	-0.47	0.0	2.10e-03	-1.27e-03
813	81	-19.94	5.44	0.22	0.0	-2.10e-03	1.27e-03
813	93	-16.36	5.75	0.18	0.0	-1.72e-03	1.19e-03
813	112	33.40	-5.94	-0.69	0.0	3.48e-03	-2.08e-03
813	113	-33.40	7.97	0.44	0.0	-3.49e-03	2.07e-03
813	125	-30.19	8.91	0.42	0.0	-3.15e-03	2.16e-03
813	146	-6.68e-05	1.31	-0.15	0.0	-4.25e-06	-1.07e-06
813	149	-6.05e-05	1.21	-0.16	0.0	-1.54e-06	-1.05e-06
813	151	-5.31e-05	1.07	-0.13	0.0	-4.08e-06	0.0
813	154	-5.12e-05	1.04	-0.13	0.0	-3.09e-06	0.0
813	156	-4.97e-05	1.02	-0.13	0.0	-3.60e-06	0.0
814	3	0.03	0.96	-0.08	0.0	-6.91e-06	7.46e-06
814	4	0.02	1.01	-0.09	0.0	-6.79e-06	5.75e-06
814	9	-3.08e-03	0.61	-0.10	0.0	-2.43e-06	-3.01e-06
814	16	17.78	-3.74	-0.71	0.0	2.88e-03	-1.82e-03

814	20	17.77	-3.85	-0.71	0.0	2.75e-03	-1.70e-03
814	29	-16.16	5.39	0.55	0.0	-2.51e-03	1.78e-03
814	48	15.21	-3.26	-0.62	0.0	2.46e-03	-1.56e-03
814	61	-13.14	4.70	0.44	0.0	-2.01e-03	1.43e-03
814	80	13.23	-2.79	-0.55	0.0	2.14e-03	-1.35e-03
814	93	-11.39	4.17	0.38	0.0	-1.74e-03	1.23e-03
814	112	22.10	-4.72	-0.87	0.0	3.58e-03	-2.26e-03
814	116	22.10	-4.86	-0.87	0.0	3.43e-03	-2.12e-03
814	125	-20.52	6.60	0.72	0.0	-3.21e-03	2.28e-03
814	145	0.02	0.67	-0.06	0.0	-4.74e-06	4.92e-06
814	146	0.01	0.70	-0.07	0.0	-4.67e-06	3.78e-06
814	147	-1.87e-03	0.43	-0.08	0.0	-1.76e-06	-2.06e-06
814	151	0.01	0.58	-0.06	0.0	-3.89e-06	3.50e-06
814	152	2.49e-03	0.38	-0.07	0.0	-1.88e-06	0.0
814	155	3.58e-03	0.36	-0.06	0.0	-1.91e-06	0.0
814	156	0.01	0.55	-0.06	0.0	-3.61e-06	3.03e-06
815	3	0.02	1.12	-0.08	0.0	-8.40e-06	5.08e-06
815	4	0.02	1.18	-0.10	0.0	-7.81e-06	3.58e-06
815	9	-4.34e-03	0.71	-0.11	0.0	-1.45e-06	-3.20e-06
815	16	19.44	-3.92	-0.73	0.0	2.88e-03	-1.84e-03
815	20	19.43	-4.04	-0.73	0.0	2.75e-03	-1.72e-03
815	29	-17.69	5.78	0.57	0.0	-2.52e-03	1.82e-03
815	48	16.62	-3.42	-0.63	0.0	2.47e-03	-1.58e-03
815	61	-14.37	5.04	0.45	0.0	-2.01e-03	1.45e-03
815	80	14.46	-2.91	-0.56	0.0	2.15e-03	-1.37e-03
815	93	-12.46	4.49	0.38	0.0	-1.74e-03	1.26e-03
815	112	24.17	-4.96	-0.89	0.0	3.58e-03	-2.29e-03
815	116	24.16	-5.11	-0.89	0.0	3.43e-03	-2.15e-03
815	125	-22.46	7.06	0.74	0.0	-3.21e-03	2.32e-03
815	145	0.01	0.78	-0.06	0.0	-5.72e-06	3.31e-06
815	146	0.01	0.82	-0.07	0.0	-5.33e-06	2.31e-06
815	147	-2.79e-03	0.51	-0.08	0.0	-1.09e-06	-2.21e-06
815	151	0.01	0.68	-0.06	0.0	-4.57e-06	2.25e-06
815	152	1.36e-03	0.44	-0.07	0.0	-1.72e-06	0.0
815	155	2.40e-03	0.43	-0.06	0.0	-1.88e-06	0.0
815	156	9.29e-03	0.64	-0.06	0.0	-4.19e-06	1.90e-06
816	3	0.02	1.28	-0.09	0.0	-9.18e-06	2.66e-06
816	4	0.01	1.35	-0.10	0.0	-8.08e-06	1.39e-06
816	9	-4.87e-03	0.81	-0.11	0.0	0.0	-3.36e-06
816	16	21.10	-4.10	-0.74	0.0	2.74e-03	-1.83e-03
816	20	21.09	-4.23	-0.74	0.0	2.74e-03	-1.70e-03
816	29	-19.22	6.16	0.58	0.0	-2.52e-03	1.81e-03
816	48	18.03	-3.57	-0.65	0.0	2.32e-03	-1.57e-03
816	61	-15.61	5.39	0.46	0.0	-2.01e-03	1.45e-03
816	80	15.69	-3.04	-0.57	0.0	2.01e-03	-1.37e-03
816	93	-13.53	4.80	0.39	0.0	-1.74e-03	1.25e-03
816	112	26.24	-5.21	-0.90	0.0	3.42e-03	-2.27e-03
816	116	26.23	-5.36	-0.90	0.0	3.42e-03	-2.13e-03
816	125	-24.40	7.52	0.75	0.0	-3.21e-03	2.31e-03
816	145	0.01	0.89	-0.07	0.0	-6.22e-06	1.68e-06
816	146	8.01e-03	0.94	-0.07	0.0	-5.48e-06	0.0
816	147	-3.22e-03	0.58	-0.08	0.0	0.0	-2.33e-06
816	151	7.60e-03	0.77	-0.07	0.0	-4.85e-06	0.0
816	152	4.18e-04	0.51	-0.07	0.0	-1.34e-06	0.0
816	155	1.33e-03	0.49	-0.07	0.0	-1.64e-06	0.0
816	156	6.70e-03	0.73	-0.07	0.0	-4.39e-06	0.0
817	3	9.80e-03	1.44	-0.09	0.0	-9.43e-06	0.0
817	4	7.20e-03	1.52	-0.10	0.0	-7.79e-06	0.0
817	9	-4.51e-03	0.91	-0.12	0.0	1.50e-06	-3.48e-06
817	16	22.76	-4.29	-0.75	0.0	2.74e-03	-1.79e-03
817	20	22.75	-4.42	-0.75	0.0	2.74e-03	-1.66e-03
817	29	-20.75	6.55	0.58	0.0	-2.51e-03	1.78e-03
817	48	19.45	-3.73	-0.66	0.0	2.31e-03	-1.54e-03
817	61	-16.85	5.74	0.46	0.0	-2.01e-03	1.43e-03
817	80	16.91	-3.16	-0.58	0.0	2.01e-03	-1.34e-03
817	93	-14.61	5.12	0.39	0.0	-1.74e-03	1.24e-03
817	112	28.30	-5.46	-0.92	0.0	3.42e-03	-2.22e-03
817	116	28.29	-5.62	-0.92	0.0	3.41e-03	-2.07e-03
817	125	-26.35	7.99	0.76	0.0	-3.21e-03	2.27e-03
817	145	6.52e-03	1.01	-0.07	0.0	-6.35e-06	0.0
817	146	4.78e-03	1.06	-0.08	0.0	-5.26e-06	0.0
817	147	-3.02e-03	0.65	-0.09	0.0	0.0	-2.43e-06
817	151	4.70e-03	0.87	-0.07	0.0	-4.82e-06	0.0
817	152	-2.46e-04	0.57	-0.07	0.0	0.0	-1.30e-06
817	155	4.49e-04	0.55	-0.07	0.0	-1.24e-06	-1.01e-06

817	156	4.09e-03	0.82	-0.07	0.0	-4.31e-06	0.0
818	3	4.26e-03	1.61	-0.09	0.0	-9.24e-06	-1.18e-06
818	4	2.80e-03	1.70	-0.11	0.0	-7.14e-06	-1.94e-06
818	9	-3.07e-03	1.02	-0.13	0.0	3.05e-06	-3.11e-06
818	16	24.41	-4.47	-0.76	0.0	2.73e-03	-1.74e-03
818	20	24.41	-4.61	-0.76	0.0	2.73e-03	-1.60e-03
818	29	-22.28	6.94	0.59	0.0	-2.51e-03	1.74e-03
818	48	20.86	-3.88	-0.66	0.0	2.31e-03	-1.50e-03
818	61	-18.09	6.09	0.47	0.0	-2.01e-03	1.40e-03
818	80	18.14	-3.29	-0.59	0.0	2.01e-03	-1.31e-03
818	93	-15.68	5.43	0.39	0.0	-1.74e-03	1.21e-03
818	112	30.36	-5.70	-0.93	0.0	3.41e-03	-2.15e-03
818	116	30.35	-5.87	-0.93	0.0	3.41e-03	-1.99e-03
818	125	-28.29	8.45	0.76	0.0	-3.20e-03	2.22e-03
818	145	2.80e-03	1.12	-0.07	0.0	-6.18e-06	0.0
818	146	1.82e-03	1.18	-0.08	0.0	-4.78e-06	-1.40e-06
818	147	-2.09e-03	0.73	-0.09	0.0	2.01e-06	-2.18e-06
818	151	1.92e-03	0.97	-0.07	0.0	-4.56e-06	0.0
818	152	-5.20e-04	0.64	-0.08	0.0	0.0	-1.38e-06
818	155	-1.29e-04	0.61	-0.07	0.0	0.0	-1.17e-06
818	156	1.63e-03	0.92	-0.07	0.0	-4.02e-06	-1.01e-06
819	4	-1.00e-03	1.87	-0.12	0.0	-6.59e-06	-2.30e-06
819	9	-6.40e-04	1.14	-0.14	0.0	3.96e-06	-1.53e-06
819	17	-26.06	6.68	0.61	0.0	-2.74e-03	1.68e-03
819	20	26.06	-4.80	-0.77	0.0	2.73e-03	-1.53e-03
819	29	-23.81	7.33	0.58	0.0	-2.51e-03	1.70e-03
819	48	22.27	-4.04	-0.67	0.0	2.31e-03	-1.46e-03
819	49	-22.27	6.07	0.52	0.0	-2.32e-03	1.46e-03
819	61	-19.33	6.43	0.46	0.0	-2.01e-03	1.37e-03
819	80	19.37	-3.41	-0.59	0.0	2.01e-03	-1.28e-03
819	81	-19.37	5.44	0.44	0.0	-2.01e-03	1.27e-03
819	93	-16.75	5.75	0.39	0.0	-1.74e-03	1.19e-03
819	113	-32.41	7.98	0.78	0.0	-3.41e-03	2.08e-03
819	116	32.41	-6.12	-0.93	0.0	3.40e-03	-1.91e-03
819	125	-30.23	8.91	0.76	0.0	-3.20e-03	2.16e-03
819	146	-6.98e-04	1.31	-0.09	0.0	-4.38e-06	-1.61e-06
819	147	-4.58e-04	0.82	-0.10	0.0	2.65e-06	-1.09e-06
819	151	-5.67e-04	1.07	-0.08	0.0	-4.30e-06	-1.31e-06
819	152	-3.85e-04	0.71	-0.08	0.0	0.0	0.0
819	155	-3.67e-04	0.68	-0.08	0.0	0.0	0.0
819	156	-5.38e-04	1.02	-0.08	0.0	-3.75e-06	-1.25e-06
820	3	0.03	0.96	0.01	-2.68e-04	0.0	9.24e-06
820	4	0.02	1.01	8.93e-03	-2.81e-04	0.0	6.28e-06
820	9	-4.89e-03	0.61	-0.04	-1.66e-04	0.0	-6.90e-06
820	15	16.88	-2.22	-0.91	1.96e-04	0.0	-1.75e-03
820	20	16.87	-3.85	-1.01	3.38e-04	0.0	-1.48e-03
820	29	-15.24	5.39	0.95	-6.67e-04	0.0	1.57e-03
820	47	14.45	-1.68	-0.77	1.42e-04	0.0	-1.52e-03
820	52	14.44	-3.37	-0.87	2.91e-04	0.0	-1.24e-03
820	61	-12.42	4.70	0.78	-6.00e-04	0.0	1.24e-03
820	79	12.58	-1.37	-0.67	1.04e-04	0.0	-1.32e-03
820	84	12.57	-2.89	-0.76	2.37e-04	0.0	-1.07e-03
820	93	-10.77	4.17	0.67	-5.45e-04	0.0	1.07e-03
820	111	20.98	-2.96	-1.14	2.83e-04	0.0	-2.17e-03
820	116	20.97	-4.86	-1.25	4.49e-04	0.0	-1.86e-03
820	125	-19.34	6.60	1.20	-7.94e-04	0.0	2.01e-03
820	145	0.02	0.67	4.25e-03	-1.87e-04	0.0	5.96e-06
820	146	0.02	0.70	1.56e-03	-1.96e-04	0.0	3.99e-06
820	147	-3.12e-03	0.43	-0.03	-1.20e-04	0.0	-4.80e-06
820	151	0.01	0.58	-4.62e-03	-1.61e-04	0.0	3.92e-06
820	152	2.26e-03	0.38	-0.03	-1.05e-04	0.0	-1.64e-06
820	155	3.60e-03	0.36	-0.03	-1.01e-04	0.0	0.0
820	156	0.01	0.55	-7.57e-03	-1.53e-04	0.0	3.24e-06
821	3	0.02	1.12	0.01	-2.77e-04	0.0	1.14e-05
821	4	0.02	1.18	9.47e-03	-2.92e-04	0.0	7.49e-06
821	9	-6.19e-03	0.71	-0.04	-1.74e-04	0.0	-9.16e-06
821	15	18.53	-2.33	-0.93	1.93e-04	0.0	-1.77e-03
821	20	18.52	-4.04	-1.03	3.35e-04	0.0	-1.52e-03
821	29	-16.75	5.78	0.97	-6.77e-04	0.0	1.62e-03
821	47	15.86	-1.75	-0.79	1.40e-04	0.0	-1.53e-03
821	52	15.85	-3.53	-0.89	2.89e-04	0.0	-1.27e-03
821	61	-13.64	5.04	0.79	-6.11e-04	0.0	1.28e-03
821	79	13.79	-1.42	-0.68	1.01e-04	0.0	-1.33e-03
821	84	13.79	-3.01	-0.78	2.34e-04	0.0	-1.10e-03
821	93	-11.83	4.49	0.69	-5.55e-04	0.0	1.11e-03

821	111	23.03	-3.12	-1.16	2.81e-04	0.0	-2.19e-03
821	116	23.02	-5.11	-1.28	4.46e-04	0.0	-1.90e-03
821	125	-21.26	7.06	1.23	-8.04e-04	0.0	2.07e-03
821	145	0.02	0.78	4.85e-03	-1.94e-04	0.0	7.40e-06
821	146	0.01	0.82	1.82e-03	-2.04e-04	0.0	4.77e-06
821	147	-4.07e-03	0.51	-0.03	-1.25e-04	0.0	-6.33e-06
821	151	0.01	0.68	-4.40e-03	-1.67e-04	0.0	4.86e-06
821	152	9.85e-04	0.44	-0.03	-1.09e-04	0.0	-2.12e-06
821	155	2.25e-03	0.43	-0.03	-1.05e-04	0.0	-1.07e-06
821	156	0.01	0.64	-7.48e-03	-1.58e-04	0.0	4.01e-06
822	3	0.02	1.28	0.01	-2.78e-04	0.0	6.80e-06
822	4	0.01	1.35	9.35e-03	-2.93e-04	0.0	1.89e-06
822	9	-6.88e-03	0.81	-0.04	-1.77e-04	0.0	-1.41e-05
822	15	20.20	-2.44	-0.95	1.98e-04	0.0	-1.75e-03
822	20	20.19	-4.23	-1.05	3.35e-04	0.0	-1.51e-03
822	29	-18.29	6.16	0.99	-6.78e-04	0.0	1.62e-03
822	47	17.28	-1.83	-0.80	1.45e-04	0.0	-1.52e-03
822	52	17.27	-3.70	-0.91	2.88e-04	0.0	-1.27e-03
822	61	-14.89	5.39	0.81	-6.11e-04	0.0	1.29e-03
822	79	15.03	-1.48	-0.70	1.05e-04	0.0	-1.32e-03
822	84	15.02	-3.15	-0.79	2.34e-04	0.0	-1.10e-03
822	93	-12.91	4.80	0.70	-5.55e-04	0.0	1.11e-03
822	111	25.11	-3.28	-1.18	2.87e-04	0.0	-2.17e-03
822	116	25.10	-5.36	-1.30	4.46e-04	0.0	-1.90e-03
822	125	-23.21	7.52	1.25	-8.06e-04	0.0	2.08e-03
822	145	0.01	0.89	5.00e-03	-1.94e-04	0.0	4.14e-06
822	146	8.39e-03	0.94	1.65e-03	-2.05e-04	0.0	0.0
822	147	-4.61e-03	0.58	-0.03	-1.27e-04	0.0	-9.79e-06
822	151	8.09e-03	0.77	-4.50e-03	-1.68e-04	0.0	1.92e-06
822	152	-1.77e-04	0.51	-0.03	-1.11e-04	0.0	-4.55e-06
822	155	9.30e-04	0.49	-0.03	-1.07e-04	0.0	-3.24e-06
822	156	7.07e-03	0.73	-7.66e-03	-1.59e-04	0.0	1.19e-06
823	3	9.91e-03	1.44	0.01	-2.81e-04	0.0	0.0
823	4	6.63e-03	1.52	8.47e-03	-2.98e-04	0.0	-5.73e-06
823	9	-6.77e-03	0.91	-0.05	-1.84e-04	0.0	-1.88e-05
823	15	21.88	-2.55	-0.96	1.99e-04	0.0	-1.73e-03
823	20	21.88	-4.42	-1.06	3.29e-04	0.0	-1.53e-03
823	29	-19.84	6.55	1.00	-6.76e-04	0.0	1.65e-03
823	47	18.71	-1.91	-0.81	1.45e-04	0.0	-1.50e-03
823	52	18.71	-3.86	-0.92	2.82e-04	0.0	-1.28e-03
823	61	-16.14	5.74	0.82	-6.09e-04	0.0	1.31e-03
823	79	16.28	-1.54	-0.71	1.06e-04	0.0	-1.30e-03
823	84	16.27	-3.28	-0.80	2.28e-04	0.0	-1.12e-03
823	93	-14.00	5.12	0.71	-5.53e-04	0.0	1.14e-03
823	111	27.21	-3.45	-1.20	2.88e-04	0.0	-2.14e-03
823	116	27.20	-5.62	-1.32	4.40e-04	0.0	-1.91e-03
823	125	-25.17	7.99	1.27	-8.03e-04	0.0	2.10e-03
823	145	6.52e-03	1.01	4.70e-03	-1.97e-04	0.0	0.0
823	146	4.33e-03	1.06	9.66e-04	-2.08e-04	0.0	-4.40e-06
823	147	-4.60e-03	0.65	-0.03	-1.32e-04	0.0	-1.31e-05
823	151	4.49e-03	0.87	-4.95e-03	-1.70e-04	0.0	-2.25e-06
823	152	-1.10e-03	0.57	-0.03	-1.14e-04	0.0	-7.25e-06
823	155	-2.28e-04	0.55	-0.03	-1.09e-04	0.0	-5.78e-06
823	156	3.82e-03	0.82	-8.17e-03	-1.62e-04	0.0	-2.75e-06
824	4	1.33e-03	1.70	5.73e-03	-3.03e-04	0.0	-8.71e-06
824	9	-5.26e-03	1.02	-0.05	-1.92e-04	0.0	-1.66e-05
824	15	23.58	-2.66	-0.97	2.02e-04	0.0	-1.69e-03
824	20	23.57	-4.61	-1.07	3.24e-04	0.0	-1.53e-03
824	29	-21.40	6.94	1.00	-6.74e-04	0.0	1.67e-03
824	47	20.16	-1.99	-0.82	1.47e-04	0.0	-1.46e-03
824	52	20.15	-4.02	-0.92	2.76e-04	0.0	-1.29e-03
824	61	-17.41	6.09	0.82	-6.05e-04	0.0	1.34e-03
824	79	17.53	-1.60	-0.71	1.07e-04	0.0	-1.27e-03
824	84	17.53	-3.40	-0.81	2.22e-04	0.0	-1.12e-03
824	93	-15.09	5.43	0.71	-5.50e-04	0.0	1.16e-03
824	111	29.31	-3.61	-1.21	2.93e-04	0.0	-2.09e-03
824	116	29.31	-5.87	-1.33	4.35e-04	0.0	-1.91e-03
824	125	-27.15	8.45	1.27	-8.00e-04	0.0	2.13e-03
824	146	7.73e-04	1.18	-1.01e-03	-2.12e-04	0.0	-6.36e-06
824	147	-3.62e-03	0.73	-0.04	-1.38e-04	0.0	-1.16e-05
824	151	1.19e-03	0.97	-6.32e-03	-1.73e-04	0.0	-4.13e-06
824	152	-1.49e-03	0.64	-0.03	-1.17e-04	0.0	-6.95e-06
824	155	-9.60e-04	0.61	-0.03	-1.12e-04	0.0	-5.77e-06
824	156	8.79e-04	0.92	-9.57e-03	-1.64e-04	0.0	-4.36e-06
825	4	-2.68e-03	1.87	8.54e-04	-1.52e-04	-3.70e-06	-6.50e-06

825	9	-1.59e-03	1.14	-0.06	-9.81e-05	2.61e-06	-4.89e-06
825	18	-25.27	4.81	0.95	-2.68e-04	-1.46e-03	1.52e-03
825	20	25.27	-4.80	-1.07	1.62e-04	1.39e-03	-1.53e-03
825	29	-22.96	7.33	1.00	-3.37e-04	-1.28e-03	1.69e-03
825	50	-21.61	4.11	0.80	-2.40e-04	-1.25e-03	1.29e-03
825	52	21.60	-4.18	-0.93	1.37e-04	1.18e-03	-1.30e-03
825	61	-18.67	6.43	0.82	-3.02e-04	-1.02e-03	1.37e-03
825	82	-18.79	3.69	0.69	-2.20e-04	-1.09e-03	1.12e-03
825	84	18.79	-3.53	-0.81	1.10e-04	1.02e-03	-1.13e-03
825	93	-16.19	5.75	0.71	-2.74e-04	-8.85e-04	1.18e-03
825	114	-31.42	5.81	1.19	-3.14e-04	-1.82e-03	1.90e-03
825	116	31.42	-6.12	-1.33	2.18e-04	1.74e-03	-1.91e-03
825	125	-29.13	8.91	1.27	-4.00e-04	-1.63e-03	2.15e-03
825	146	-1.87e-03	1.31	-4.48e-03	-1.06e-04	-2.45e-06	-4.57e-06
825	147	-1.15e-03	0.82	-0.04	-7.03e-05	1.75e-06	-3.50e-06
825	151	-1.54e-03	1.07	-8.77e-03	-8.68e-05	-2.44e-06	-3.68e-06
825	152	-1.00e-03	0.71	-0.03	-5.94e-05	0.0	-2.80e-06
825	155	-9.68e-04	0.68	-0.03	-5.67e-05	0.0	-2.62e-06
825	156	-1.45e-03	1.02	-0.01	-8.25e-05	-2.12e-06	-3.53e-06
826	3	0.03	0.95	-8.23e-03	-2.74e-04	0.0	3.38e-06
826	4	0.02	1.01	-0.01	-2.89e-04	0.0	0.0
826	9	-4.89e-03	0.61	-0.05	-1.72e-04	0.0	-1.02e-05
826	15	16.88	-1.54	-0.06	1.72e-04	0.0	-1.76e-03
826	29	-15.24	4.75	0.13	-6.77e-04	0.0	1.60e-03
826	44	5.78	-3.46	-0.19	2.71e-04	0.0	-1.83e-04
826	47	14.45	-1.09	-0.06	1.18e-04	0.0	-1.52e-03
826	76	5.03	-3.39	-0.19	2.61e-04	0.0	-6.57e-05
826	77	-5.00	4.48	0.15	-5.74e-04	0.0	6.57e-05
826	79	12.58	-0.86	-0.05	8.12e-05	0.0	-1.33e-03
826	108	4.40	-2.94	-0.17	2.14e-04	0.0	-4.77e-05
826	109	-4.37	4.03	0.14	-5.27e-04	0.0	4.76e-05
826	111	20.98	-2.11	-0.08	2.56e-04	0.0	-2.18e-03
826	125	-19.34	5.78	0.17	-8.05e-04	0.0	2.04e-03
826	140	7.17	-4.22	-0.22	3.54e-04	0.0	-2.71e-04
826	145	0.02	0.67	-0.01	-1.91e-04	0.0	1.89e-06
826	146	0.02	0.70	-0.01	-2.01e-04	0.0	0.0
826	147	-3.12e-03	0.44	-0.04	-1.23e-04	0.0	-7.14e-06
826	151	0.01	0.58	-0.02	-1.65e-04	0.0	0.0
826	152	2.26e-03	0.38	-0.03	-1.08e-04	0.0	-3.76e-06
826	155	3.60e-03	0.36	-0.03	-1.04e-04	0.0	-2.91e-06
826	156	0.01	0.55	-0.02	-1.56e-04	0.0	0.0
827	3	0.02	1.11	-7.68e-03	-2.78e-04	0.0	9.40e-06
827	4	0.02	1.18	-0.01	-2.93e-04	0.0	5.38e-06
827	9	-6.19e-03	0.71	-0.05	-1.76e-04	0.0	-1.03e-05
827	15	18.53	-1.64	-0.06	1.85e-04	0.0	-1.77e-03
827	29	-16.75	5.13	0.14	-6.63e-04	0.0	1.62e-03
827	44	6.33	-3.59	-0.19	2.23e-04	0.0	-1.78e-04
827	47	15.86	-1.16	-0.06	1.29e-04	0.0	-1.53e-03
827	76	5.50	-3.51	-0.20	2.11e-04	0.0	-5.91e-05
827	77	-5.48	4.79	0.16	-5.29e-04	0.0	6.48e-05
827	79	13.79	-0.91	-0.06	9.11e-05	0.0	-1.33e-03
827	108	4.81	-3.05	-0.18	1.69e-04	0.0	-4.13e-05
827	109	-4.79	4.32	0.14	-4.87e-04	0.0	4.70e-05
827	111	23.03	-2.26	-0.08	2.72e-04	0.0	-2.19e-03
827	125	-21.26	6.23	0.17	-7.88e-04	0.0	2.07e-03
827	140	7.86	-4.40	-0.22	2.98e-04	0.0	-2.67e-04
827	145	0.02	0.78	-0.01	-1.94e-04	0.0	5.98e-06
827	146	0.01	0.82	-0.01	-2.05e-04	0.0	3.30e-06
827	147	-4.07e-03	0.51	-0.04	-1.26e-04	0.0	-7.15e-06
827	151	0.01	0.67	-0.02	-1.68e-04	0.0	3.65e-06
827	152	9.85e-04	0.44	-0.03	-1.10e-04	0.0	-2.86e-06
827	155	2.25e-03	0.43	-0.03	-1.06e-04	0.0	-1.79e-06
827	156	0.01	0.64	-0.02	-1.59e-04	0.0	2.87e-06
828	3	0.02	1.28	-7.27e-03	-2.80e-04	0.0	6.62e-06
828	4	0.01	1.35	-0.01	-2.96e-04	0.0	1.71e-06
828	9	-6.88e-03	0.81	-0.05	-1.79e-04	0.0	-1.42e-05
828	15	20.20	-1.75	-0.06	2.02e-04	0.0	-1.75e-03
828	29	-18.29	5.51	0.14	-6.56e-04	0.0	1.63e-03
828	44	6.89	-3.71	-0.20	1.81e-04	0.0	-1.99e-04
828	47	17.28	-1.24	-0.06	1.44e-04	0.0	-1.52e-03
828	76	5.98	-3.62	-0.20	1.68e-04	0.0	-7.90e-05
828	77	-5.97	5.08	0.16	-4.89e-04	0.0	8.12e-05
828	79	15.03	-0.97	-0.06	1.04e-04	0.0	-1.32e-03
828	108	5.23	-3.13	-0.18	1.30e-04	0.0	-5.91e-05
828	109	-5.22	4.59	0.14	-4.52e-04	0.0	6.13e-05

828	111	25.11	-2.42	-0.08	2.93e-04	0.0	-2.17e-03
828	125	-23.21	6.69	0.17	-7.81e-04	0.0	2.08e-03
828	140	8.56	-4.56	-0.23	2.51e-04	0.0	-2.91e-04
828	145	0.01	0.89	-9.87e-03	-1.96e-04	0.0	4.01e-06
828	146	8.39e-03	0.94	-0.01	-2.07e-04	0.0	0.0
828	147	-4.61e-03	0.58	-0.04	-1.29e-04	0.0	-9.85e-06
828	151	8.09e-03	0.77	-0.02	-1.70e-04	0.0	1.82e-06
828	152	-1.78e-04	0.51	-0.03	-1.12e-04	0.0	-4.61e-06
828	155	9.30e-04	0.49	-0.03	-1.08e-04	0.0	-3.30e-06
828	156	7.07e-03	0.73	-0.02	-1.61e-04	0.0	1.09e-06
829	3	9.91e-03	1.44	-6.98e-03	-2.84e-04	0.0	0.0
829	4	6.63e-03	1.52	-0.01	-3.01e-04	0.0	-4.80e-06
829	9	-6.77e-03	0.92	-0.05	-1.85e-04	0.0	-1.78e-05
829	15	21.88	-1.88	-0.07	2.15e-04	0.0	-1.73e-03
829	29	-19.84	5.89	0.14	-6.47e-04	0.0	1.65e-04
829	44	7.46	-3.79	-0.20	1.40e-04	0.0	-2.60e-04
829	47	18.71	-1.33	-0.06	1.56e-04	0.0	-1.50e-03
829	76	6.47	-3.70	-0.20	1.25e-04	0.0	-1.40e-04
829	77	-6.47	5.35	0.16	-4.51e-04	0.0	1.36e-04
829	79	16.28	-1.03	-0.06	1.14e-04	0.0	-1.30e-03
829	108	5.65	-3.19	-0.18	9.15e-05	0.0	-1.14e-04
829	109	-5.65	4.84	0.14	-4.18e-04	0.0	1.09e-04
829	111	27.21	-2.60	-0.08	3.09e-04	0.0	-2.14e-03
829	125	-25.17	7.13	0.17	-7.71e-04	0.0	2.10e-03
829	140	9.26	-4.68	-0.23	2.03e-04	0.0	-3.62e-04
829	145	6.52e-03	1.01	-9.73e-03	-1.99e-04	0.0	0.0
829	146	4.34e-03	1.06	-0.01	-2.10e-04	0.0	-3.75e-06
829	147	-4.60e-03	0.66	-0.04	-1.33e-04	0.0	-1.24e-05
829	151	4.50e-03	0.87	-0.02	-1.72e-04	0.0	-1.76e-06
829	152	-1.10e-03	0.57	-0.03	-1.14e-04	0.0	-6.76e-06
829	155	-2.28e-04	0.55	-0.03	-1.10e-04	0.0	-5.35e-06
829	156	3.82e-03	0.83	-0.02	-1.63e-04	0.0	-2.27e-06
830	4	1.35e-03	1.70	-0.01	-3.05e-04	0.0	-8.19e-06
830	9	-5.26e-03	1.03	-0.05	-1.90e-04	0.0	-1.56e-05
830	15	23.58	-2.01	-0.07	2.22e-04	0.0	-1.69e-03
830	29	-21.40	6.26	0.14	-6.38e-04	0.0	1.67e-03
830	44	8.03	-3.86	-0.20	1.05e-04	0.0	-3.14e-04
830	47	20.16	-1.43	-0.06	1.63e-04	0.0	-1.46e-03
830	76	6.97	-3.75	-0.20	8.81e-05	0.0	-1.95e-04
830	77	-6.96	5.59	0.16	-4.19e-04	0.0	1.87e-04
830	79	17.53	-1.10	-0.06	1.20e-04	0.0	-1.27e-03
830	108	6.08	-3.22	-0.18	5.86e-05	0.0	-1.63e-04
830	109	-6.08	5.06	0.14	-3.89e-04	0.0	1.55e-04
830	111	29.31	-2.79	-0.08	3.18e-04	0.0	-2.09e-03
830	125	-27.15	7.58	0.17	-7.60e-04	0.0	2.13e-03
830	140	9.97	-4.78	-0.23	1.63e-04	0.0	-4.25e-04
830	146	7.81e-04	1.19	-0.01	-2.13e-04	0.0	-5.98e-06
830	147	-3.62e-03	0.74	-0.04	-1.36e-04	0.0	-1.09e-05
830	151	1.19e-03	0.97	-0.02	-1.74e-04	0.0	-3.90e-06
830	152	-1.49e-03	0.64	-0.03	-1.17e-04	0.0	-6.55e-06
830	155	-9.58e-04	0.62	-0.03	-1.12e-04	0.0	-5.45e-06
830	156	8.85e-04	0.92	-0.02	-1.65e-04	0.0	-4.12e-06
831	4	-2.52e-03	1.88	-0.01	-3.08e-04	0.0	-9.81e-06
831	9	-1.55e-03	1.14	-0.05	-1.93e-04	0.0	-8.46e-06
831	18	-25.27	4.18	0.03	-5.57e-04	0.0	1.50e-03
831	29	-22.96	6.62	0.14	-6.33e-04	0.0	1.67e-03
831	44	8.60	-3.90	-0.20	9.00e-05	0.0	-2.93e-04
831	50	-21.61	3.56	0.02	-4.97e-04	0.0	1.28e-03
831	61	-18.67	5.85	0.13	-5.58e-04	0.0	1.35e-03
831	76	7.46	-3.78	-0.20	7.26e-05	0.0	-1.78e-04
831	82	-18.79	3.21	0.02	-4.54e-04	0.0	1.11e-03
831	108	6.51	-3.24	-0.18	4.47e-05	0.0	-1.48e-04
831	109	-6.52	5.27	0.14	-3.78e-04	0.0	1.38e-04
831	114	-31.42	5.02	0.04	-6.53e-04	0.0	1.88e-03
831	125	-29.13	8.01	0.17	-7.54e-04	0.0	2.13e-03
831	140	10.68	-4.85	-0.23	1.45e-04	0.0	-3.99e-04
831	146	-1.76e-03	1.31	-0.01	-2.15e-04	0.0	-6.91e-06
831	147	-1.11e-03	0.82	-0.04	-1.38e-04	0.0	-6.02e-06
831	151	-1.44e-03	1.07	-0.02	-1.75e-04	0.0	-5.45e-06
831	152	-9.60e-04	0.71	-0.03	-1.18e-04	0.0	-4.55e-06
831	155	-9.22e-04	0.68	-0.03	-1.13e-04	0.0	-4.18e-06
831	156	-1.37e-03	1.02	-0.02	-1.67e-04	0.0	-5.27e-06
832	3	0.03	0.95	-0.02	-2.67e-04	0.0	0.0
832	4	0.02	1.01	-0.02	-2.82e-04	0.0	-2.47e-06
832	9	-4.89e-03	0.61	-0.05	-1.70e-04	0.0	-1.16e-05

832	15	16.88	-0.85	0.84	1.46e-04	0.0	-1.76e-03
832	22	-16.07	1.87	-0.90	-4.40e-04	0.0	1.71e-03
832	45	-5.75	4.45	-0.09	-5.80e-04	0.0	1.91e-04
832	47	14.45	-0.51	0.72	9.16e-05	0.0	-1.52e-03
832	54	-13.57	1.53	-0.78	-3.87e-04	0.0	1.47e-03
832	77	-5.00	4.42	-0.04	-5.72e-04	0.0	7.34e-05
832	79	12.58	-0.35	0.63	5.85e-05	0.0	-1.33e-03
832	86	-11.79	1.38	-0.68	-3.55e-04	0.0	1.28e-03
832	109	-4.37	3.99	-0.04	-5.25e-04	0.0	5.44e-05
832	111	20.98	-1.26	1.05	2.23e-04	0.0	-2.18e-03
832	118	-20.05	2.26	-1.12	-5.16e-04	0.0	2.12e-03
832	141	-7.14	5.17	-0.13	-6.63e-04	0.0	2.81e-04
832	145	0.02	0.67	-0.02	-1.87e-04	0.0	0.0
832	146	0.02	0.70	-0.02	-1.97e-04	0.0	-2.09e-06
832	147	-3.12e-03	0.44	-0.04	-1.22e-04	0.0	-8.16e-06
832	151	0.01	0.58	-0.02	-1.61e-04	0.0	-1.08e-06
832	152	2.26e-03	0.38	-0.03	-1.06e-04	0.0	-4.68e-06
832	155	3.60e-03	0.37	-0.03	-1.02e-04	0.0	-3.81e-06
832	156	0.01	0.55	-0.02	-1.53e-04	0.0	-1.47e-06
833	3	0.02	1.11	-0.02	-2.76e-04	0.0	8.17e-06
833	4	0.02	1.18	-0.02	-2.91e-04	0.0	4.10e-06
833	9	-6.18e-03	0.71	-0.05	-1.76e-04	0.0	-1.10e-05
833	15	18.53	-0.95	0.87	1.80e-04	0.0	-1.77e-03
833	22	-17.65	2.14	-0.93	-4.85e-04	0.0	1.72e-03
833	45	-6.31	4.77	-0.09	-5.30e-04	0.0	1.85e-04
833	47	15.86	-0.57	0.74	1.21e-04	0.0	-1.53e-03
833	54	-14.91	1.77	-0.80	-4.27e-04	0.0	1.49e-03
833	77	-5.48	4.74	-0.04	-5.18e-04	0.0	6.60e-05
833	79	13.79	-0.40	0.64	8.39e-05	0.0	-1.33e-03
833	86	-12.94	1.60	-0.70	-3.91e-04	0.0	1.29e-03
833	109	-4.79	4.28	-0.04	-4.78e-04	0.0	4.80e-05
833	111	23.03	-1.40	1.08	2.67e-04	0.0	-2.19e-03
833	118	-22.03	2.58	-1.15	-5.70e-04	0.0	2.14e-03
833	141	-7.84	5.54	-0.13	-6.05e-04	0.0	2.74e-04
833	145	0.02	0.78	-0.02	-1.93e-04	0.0	5.13e-06
833	146	0.01	0.82	-0.02	-2.03e-04	0.0	2.42e-06
833	147	-4.07e-03	0.51	-0.04	-1.26e-04	0.0	-7.64e-06
833	151	0.01	0.67	-0.02	-1.67e-04	0.0	2.93e-06
833	152	9.86e-04	0.44	-0.04	-1.10e-04	0.0	-3.30e-06
833	155	2.25e-03	0.43	-0.03	-1.06e-04	0.0	-2.21e-06
833	156	0.01	0.64	-0.02	-1.58e-04	0.0	2.19e-06
834	3	0.02	1.27	-0.02	-2.82e-04	0.0	6.53e-06
834	4	0.01	1.35	-0.02	-2.99e-04	0.0	1.63e-06
834	9	-6.87e-03	0.82	-0.05	-1.81e-04	0.0	-1.42e-05
834	15	20.20	-1.07	0.89	2.13e-04	0.0	-1.75e-03
834	22	-19.26	2.44	-0.95	-5.25e-04	0.0	1.71e-03
834	45	-6.88	5.06	-0.10	-4.62e-04	0.0	2.04e-04
834	47	17.28	-0.65	0.76	1.51e-04	0.0	-1.52e-03
834	54	-16.26	2.03	-0.82	-4.63e-04	0.0	1.47e-03
834	77	-5.97	5.02	-0.04	-4.47e-04	0.0	8.42e-05
834	79	15.03	-0.45	0.66	1.09e-04	0.0	-1.32e-03
834	86	-14.12	1.84	-0.72	-4.23e-04	0.0	1.28e-03
834	109	-5.22	4.54	-0.04	-4.14e-04	0.0	6.40e-05
834	111	25.11	-1.57	1.11	3.07e-04	0.0	-2.17e-03
834	118	-24.04	2.92	-1.17	-6.18e-04	0.0	2.12e-03
834	141	-8.54	5.87	-0.13	-5.25e-04	0.0	2.97e-04
834	145	0.01	0.89	-0.02	-1.98e-04	0.0	3.95e-06
834	146	8.40e-03	0.94	-0.02	-2.08e-04	0.0	0.0
834	147	-4.60e-03	0.59	-0.04	-1.30e-04	0.0	-9.86e-06
834	151	8.09e-03	0.77	-0.02	-1.71e-04	0.0	1.77e-06
834	152	-1.75e-04	0.51	-0.04	-1.13e-04	0.0	-4.63e-06
834	155	9.32e-04	0.49	-0.04	-1.08e-04	0.0	-3.33e-06
834	156	7.07e-03	0.73	-0.02	-1.62e-04	0.0	1.04e-06
835	3	9.92e-03	1.44	-0.02	-2.87e-04	0.0	1.01e-06
835	4	6.65e-03	1.52	-0.02	-3.04e-04	0.0	-4.11e-06
835	9	-6.76e-03	0.93	-0.05	-1.85e-04	0.0	-1.70e-05
835	15	21.88	-1.20	0.90	2.39e-04	0.0	-1.73e-03
835	22	-20.88	2.75	-0.96	-5.57e-04	0.0	1.68e-03
835	45	-7.45	5.30	-0.10	-3.96e-04	0.0	2.57e-04
835	47	18.71	-0.75	0.77	1.75e-04	0.0	-1.49e-03
835	54	-17.63	2.31	-0.83	-4.94e-04	0.0	1.45e-03
835	77	-6.47	5.25	-0.04	-3.77e-04	0.0	1.37e-04
835	79	16.28	-0.52	0.67	1.30e-04	0.0	-1.30e-03
835	86	-15.31	2.10	-0.73	-4.50e-04	0.0	1.26e-03
835	109	-5.65	4.75	-0.04	-3.52e-04	0.0	1.11e-04

835	111	27.21	-1.76	1.12	3.39e-04	0.0	-2.14e-03
835	118	-26.07	3.30	-1.19	-6.55e-04	0.0	2.08e-03
835	125	-25.17	6.28	-0.96	-7.39e-04	0.0	2.10e-03
835	145	6.53e-03	1.01	-0.02	-2.01e-04	0.0	0.0
835	146	4.34e-03	1.06	-0.02	-2.12e-04	0.0	-3.26e-06
835	147	-4.59e-03	0.66	-0.04	-1.33e-04	0.0	-1.19e-05
835	151	4.50e-03	0.87	-0.02	-1.74e-04	0.0	-1.41e-06
835	152	-1.10e-03	0.58	-0.04	-1.15e-04	0.0	-6.40e-06
835	155	-2.23e-04	0.55	-0.04	-1.10e-04	0.0	-5.03e-06
835	156	3.83e-03	0.83	-0.02	-1.65e-04	0.0	-1.92e-06
836	4	1.41e-03	1.70	-0.02	-3.07e-04	0.0	-7.76e-06
836	9	-5.22e-03	1.03	-0.05	-1.87e-04	0.0	-1.48e-05
836	15	23.58	-1.35	0.91	2.72e-04	0.0	-1.69e-03
836	22	-22.51	3.09	-0.97	-5.76e-04	0.0	1.65e-03
836	29	-21.40	5.57	-0.77	-6.08e-04	0.0	1.67e-03
836	47	20.16	-0.86	0.78	2.11e-04	0.0	-1.46e-03
836	54	-19.00	2.61	-0.84	-5.11e-04	0.0	1.43e-03
836	77	-6.96	5.44	-0.05	-3.32e-04	0.0	1.88e-04
836	79	17.53	-0.61	0.67	1.63e-04	0.0	-1.28e-03
836	86	-16.50	2.37	-0.73	-4.66e-04	0.0	1.24e-03
836	109	-6.08	4.93	-0.04	-3.12e-04	0.0	1.56e-04
836	111	29.31	-1.97	1.13	3.79e-04	0.0	-2.09e-03
836	118	-28.10	3.69	-1.20	-6.77e-04	0.0	2.04e-03
836	125	-27.15	6.70	-0.97	-7.26e-04	0.0	2.13e-03
836	146	8.28e-04	1.19	-0.02	-2.14e-04	0.0	-5.67e-06
836	147	-3.59e-03	0.74	-0.04	-1.34e-04	0.0	-1.04e-05
836	151	1.23e-03	0.97	-0.02	-1.75e-04	0.0	-3.71e-06
836	152	-1.46e-03	0.64	-0.04	-1.16e-04	0.0	-6.23e-06
836	155	-9.32e-04	0.62	-0.04	-1.12e-04	0.0	-5.19e-06
836	156	9.22e-04	0.92	-0.02	-1.66e-04	0.0	-3.92e-06
837	4	-1.98e-03	1.88	-0.02	-3.09e-04	0.0	-8.45e-06
837	9	-1.27e-03	1.14	-0.05	-1.88e-04	0.0	-7.67e-06
837	18	-25.28	3.54	-0.96	-6.09e-04	0.0	1.50e-03
837	22	-24.14	3.43	-0.97	-6.08e-04	0.0	1.65e-03
837	29	-22.96	5.91	-0.77	-5.78e-04	0.0	1.67e-03
837	50	-21.61	3.02	-0.83	-5.47e-04	0.0	1.27e-03
837	54	-20.38	2.91	-0.84	-5.47e-04	0.0	1.43e-03
837	77	-7.46	5.60	-0.05	-2.18e-04	0.0	1.66e-04
837	82	-18.79	2.74	-0.72	-4.98e-04	0.0	1.11e-03
837	86	-17.70	2.64	-0.73	-4.98e-04	0.0	1.25e-03
837	109	-6.52	5.09	-0.04	-2.09e-04	0.0	1.37e-04
837	114	-31.43	4.23	-1.18	-7.15e-04	0.0	1.87e-03
837	118	-30.14	4.09	-1.20	-7.15e-04	0.0	2.04e-03
837	125	-29.14	7.11	-0.97	-6.91e-04	0.0	2.12e-03
837	146	-1.38e-03	1.31	-0.02	-2.15e-04	0.0	-5.96e-06
837	147	-9.07e-04	0.82	-0.04	-1.35e-04	0.0	-5.44e-06
837	151	-1.12e-03	1.08	-0.02	-1.76e-04	0.0	-4.65e-06
837	152	-7.66e-04	0.71	-0.04	-1.17e-04	0.0	-4.02e-06
837	155	-7.30e-04	0.68	-0.04	-1.12e-04	0.0	-3.67e-06
837	156	-1.07e-03	1.02	-0.02	-1.67e-04	0.0	-4.51e-06
838	3	0.03	0.95	-0.02	-2.60e-04	0.0	0.0
838	4	0.02	1.01	-0.02	-2.76e-04	0.0	-3.03e-06
838	9	-4.89e-03	0.62	-0.05	-1.68e-04	0.0	-1.19e-05
838	15	16.88	-0.18	1.87	1.23e-04	0.0	-1.76e-03
838	22	-16.07	1.22	-1.93	-4.12e-04	0.0	1.71e-03
838	45	-5.75	4.35	-0.31	-5.76e-04	0.0	1.92e-04
838	47	14.45	0.06	1.60	7.03e-05	0.0	-1.52e-03
838	54	-13.57	0.98	-1.66	-3.59e-04	0.0	1.47e-03
838	77	-5.00	4.38	-0.20	-5.69e-04	0.0	7.41e-05
838	79	12.58	0.14	1.39	4.00e-05	0.0	-1.33e-03
838	86	-11.79	0.91	-1.45	-3.30e-04	0.0	1.28e-03
838	109	-4.37	3.95	-0.18	-5.22e-04	0.0	5.50e-05
838	111	20.98	-0.42	2.33	1.96e-04	0.0	-2.18e-03
838	118	-20.05	1.44	-2.40	-4.82e-04	0.0	2.12e-03
838	141	-7.14	5.04	-0.42	-6.58e-04	0.0	2.82e-04
838	145	0.02	0.67	-0.02	-1.82e-04	0.0	0.0
838	146	0.02	0.70	-0.02	-1.92e-04	0.0	-2.48e-06
838	147	-3.12e-03	0.44	-0.04	-1.21e-04	0.0	-8.38e-06
838	151	0.01	0.58	-0.02	-1.58e-04	0.0	-1.40e-06
838	152	2.26e-03	0.38	-0.04	-1.05e-04	0.0	-4.87e-06
838	155	3.60e-03	0.37	-0.04	-1.00e-04	0.0	-3.99e-06
838	156	0.01	0.55	-0.03	-1.50e-04	0.0	-1.77e-06
839	3	0.02	1.11	-0.02	-2.74e-04	0.0	7.86e-06
839	4	0.02	1.17	-0.03	-2.90e-04	0.0	3.78e-06
839	9	-6.18e-03	0.72	-0.05	-1.76e-04	0.0	-1.11e-05

839	15	18.53	-0.27	1.91	1.78e-04	0.0	-1.77e-03
839	22	-17.65	1.48	-1.98	-4.82e-04	0.0	1.72e-03
839	45	-6.31	4.68	-0.32	-5.21e-04	0.0	1.86e-04
839	47	15.86	8.42e-03	1.63	1.18e-04	0.0	-1.53e-03
839	54	-14.91	1.21	-1.70	-4.21e-04	0.0	1.49e-03
839	77	-5.48	4.69	-0.21	-5.09e-04	0.0	6.71e-05
839	79	13.79	0.11	1.42	8.04e-05	0.0	-1.33e-03
839	86	-12.94	1.12	-1.48	-3.85e-04	0.0	1.29e-03
839	109	-4.79	4.25	-0.18	-4.69e-04	0.0	4.89e-05
839	111	23.03	-0.55	2.38	2.65e-04	0.0	-2.19e-03
839	118	-22.03	1.75	-2.45	-5.66e-04	0.0	2.14e-03
839	141	-7.84	5.41	-0.43	-5.94e-04	0.0	2.75e-04
839	145	0.02	0.78	-0.02	-1.92e-04	0.0	4.91e-06
839	146	0.01	0.82	-0.02	-2.02e-04	0.0	2.19e-06
839	147	-4.07e-03	0.52	-0.04	-1.27e-04	0.0	-7.76e-06
839	151	0.01	0.67	-0.03	-1.66e-04	0.0	2.74e-06
839	152	9.86e-04	0.45	-0.04	-1.10e-04	0.0	-3.41e-06
839	155	2.25e-03	0.43	-0.04	-1.05e-04	0.0	-2.32e-06
839	156	0.01	0.64	-0.03	-1.57e-04	0.0	2.02e-06
840	3	0.02	1.27	-0.02	-2.84e-04	0.0	6.49e-06
840	4	0.01	1.35	-0.03	-3.00e-04	0.0	1.59e-06
840	9	-6.87e-03	0.82	-0.05	-1.82e-04	0.0	-1.42e-05
840	15	20.20	-0.38	1.95	2.25e-04	0.0	-1.75e-03
840	22	-19.26	1.77	-2.01	-5.39e-04	0.0	1.71e-03
840	45	-6.88	4.96	-0.33	-4.32e-04	0.0	2.05e-04
840	47	17.28	-0.07	1.66	1.60e-04	0.0	-1.52e-03
840	54	-16.26	1.47	-1.73	-4.75e-04	0.0	1.47e-03
840	77	-5.97	4.96	-0.21	-4.15e-04	0.0	8.53e-05
840	79	15.03	0.05	1.44	1.17e-04	0.0	-1.32e-03
840	86	-14.12	1.35	-1.51	-4.33e-04	0.0	1.28e-03
840	109	-5.22	4.49	-0.18	-3.86e-04	0.0	6.49e-05
840	111	25.11	-0.72	2.42	3.23e-04	0.0	-2.17e-03
840	118	-24.04	2.10	-2.49	-6.35e-04	0.0	2.12e-03
840	141	-8.54	5.73	-0.43	-4.89e-04	0.0	2.98e-04
840	145	0.01	0.89	-0.02	-1.99e-04	0.0	3.92e-06
840	146	8.40e-03	0.94	-0.02	-2.09e-04	0.0	0.0
840	147	-4.60e-03	0.59	-0.04	-1.31e-04	0.0	-9.86e-06
840	151	8.10e-03	0.77	-0.03	-1.72e-04	0.0	1.74e-06
840	152	-1.75e-04	0.51	-0.04	-1.13e-04	0.0	-4.64e-06
840	155	9.33e-04	0.49	-0.04	-1.09e-04	0.0	-3.33e-06
840	156	7.07e-03	0.73	-0.03	-1.63e-04	0.0	1.02e-06
841	3	9.93e-03	1.44	-0.02	-2.90e-04	0.0	1.11e-06
841	4	6.66e-03	1.53	-0.03	-3.06e-04	0.0	-3.96e-06
841	9	-6.75e-03	0.93	-0.05	-1.84e-04	0.0	-1.68e-05
841	15	21.88	-0.52	1.97	2.80e-04	0.0	-1.73e-03
841	22	-20.88	2.10	-2.04	-5.80e-04	0.0	1.68e-03
841	45	-7.45	5.17	-0.33	-3.52e-04	0.0	2.57e-04
841	47	18.71	-0.17	1.68	2.17e-04	0.0	-1.49e-03
841	54	-17.63	1.75	-1.75	-5.14e-04	0.0	1.45e-03
841	77	-6.47	5.15	-0.21	-3.33e-04	0.0	1.38e-04
841	79	16.28	-0.02	1.46	1.68e-04	0.0	-1.30e-03
841	86	-15.31	1.61	-1.53	-4.68e-04	0.0	1.26e-03
841	109	-5.65	4.67	-0.18	-3.13e-04	0.0	1.12e-04
841	111	27.21	-0.92	2.45	3.88e-04	0.0	-2.14e-03
841	118	-26.07	2.49	-2.52	-6.84e-04	0.0	2.08e-03
841	141	-9.25	5.96	-0.44	-3.96e-04	0.0	3.60e-04
841	145	6.54e-03	1.01	-0.02	-2.03e-04	0.0	0.0
841	146	4.35e-03	1.06	-0.02	-2.13e-04	0.0	-3.16e-06
841	147	-4.59e-03	0.67	-0.04	-1.32e-04	0.0	-1.17e-05
841	151	4.51e-03	0.87	-0.03	-1.75e-04	0.0	-1.33e-06
841	152	-1.09e-03	0.58	-0.04	-1.15e-04	0.0	-6.31e-06
841	155	-2.19e-04	0.56	-0.04	-1.11e-04	0.0	-4.96e-06
841	156	3.83e-03	0.83	-0.03	-1.66e-04	0.0	-1.85e-06
842	4	1.49e-03	1.71	-0.03	-3.08e-04	0.0	-7.64e-06
842	9	-5.17e-03	1.04	-0.05	-1.84e-04	0.0	-1.46e-05
842	15	23.58	-0.68	1.98	3.03e-04	0.0	-1.69e-03
842	22	-22.51	2.45	-2.05	-6.27e-04	0.0	1.65e-03
842	45	-8.02	5.32	-0.33	-2.28e-04	0.0	3.06e-04
842	47	20.16	-0.29	1.69	2.39e-04	0.0	-1.46e-03
842	54	-19.00	2.06	-1.76	-5.63e-04	0.0	1.43e-03
842	77	-6.96	5.29	-0.22	-1.98e-04	0.0	1.88e-04
842	79	17.53	-0.11	1.47	1.86e-04	0.0	-1.28e-03
842	86	-16.50	1.89	-1.54	-5.12e-04	0.0	1.24e-03
842	109	-6.08	4.80	-0.18	-1.92e-04	0.0	1.56e-04
842	111	29.31	-1.15	2.47	4.15e-04	0.0	-2.09e-03

842	118	-28.10	2.90	-2.54	-7.39e-04	0.0	2.04e-03
842	141	-9.97	6.13	-0.44	-2.53e-04	0.0	4.18e-04
842	146	8.79e-04	1.19	-0.02	-2.15e-04	0.0	-5.59e-06
842	147	-3.56e-03	0.75	-0.04	-1.32e-04	0.0	-1.02e-05
842	151	1.27e-03	0.97	-0.03	-1.76e-04	0.0	-3.66e-06
842	152	-1.44e-03	0.65	-0.04	-1.15e-04	0.0	-6.14e-06
842	155	-9.05e-04	0.62	-0.04	-1.11e-04	0.0	-5.12e-06
842	156	9.61e-04	0.92	-0.03	-1.67e-04	0.0	-3.87e-06
843	4	-1.45e-03	1.89	-0.03	-3.08e-04	0.0	-7.69e-06
843	9	-9.41e-04	1.15	-0.05	-1.83e-04	0.0	-6.93e-06
843	18	-25.28	2.91	-2.04	-6.48e-04	0.0	1.50e-03
843	22	-24.14	2.82	-2.05	-6.38e-04	0.0	1.64e-03
843	45	-8.60	5.43	-0.33	-2.06e-04	0.0	2.80e-04
843	50	-21.61	2.47	-1.75	-5.84e-04	0.0	1.27e-03
843	54	-20.38	2.38	-1.76	-5.73e-04	0.0	1.43e-03
843	77	-7.46	5.39	-0.22	-1.76e-04	0.0	1.66e-04
843	82	-18.80	2.26	-1.53	-5.30e-04	0.0	1.10e-03
843	86	-17.70	2.19	-1.54	-5.21e-04	0.0	1.25e-03
843	109	-6.52	4.90	-0.18	-1.72e-04	0.0	1.37e-04
843	114	-31.43	3.44	-2.53	-7.63e-04	0.0	1.87e-03
843	118	-30.14	3.33	-2.55	-7.51e-04	0.0	2.04e-03
843	141	-10.69	6.26	-0.44	-2.27e-04	0.0	3.86e-04
843	146	-1.01e-03	1.32	-0.02	-2.15e-04	0.0	-5.42e-06
843	147	-6.73e-04	0.82	-0.04	-1.32e-04	0.0	-4.91e-06
843	151	-8.17e-04	1.08	-0.03	-1.76e-04	0.0	-4.23e-06
843	152	-5.60e-04	0.71	-0.04	-1.15e-04	0.0	-3.64e-06
843	155	-5.32e-04	0.68	-0.04	-1.11e-04	0.0	-3.32e-06
843	156	-7.76e-04	1.02	-0.03	-1.67e-04	0.0	-4.10e-06
844	3	-0.03	0.95	-0.02	-2.60e-04	0.0	0.0
844	4	-0.02	1.01	-0.02	-2.76e-04	0.0	2.70e-06
844	9	4.96e-03	0.62	-0.05	-1.68e-04	0.0	1.17e-05
844	16	16.06	1.21	-1.93	-4.12e-04	0.0	-1.71e-03
844	21	-16.88	-0.18	1.87	1.23e-04	0.0	1.76e-03
844	35	5.76	4.35	-0.31	-5.76e-04	0.0	-1.92e-04
844	48	13.57	0.98	-1.66	-3.59e-04	0.0	-1.47e-03
844	53	-14.45	0.06	1.60	7.03e-05	0.0	1.52e-03
844	67	5.01	4.37	-0.20	-5.69e-04	0.0	-7.44e-05
844	80	11.78	0.91	-1.45	-3.30e-04	0.0	-1.28e-03
844	85	-12.57	0.14	1.39	4.00e-05	0.0	1.33e-03
844	99	4.38	3.95	-0.17	-5.22e-04	0.0	-5.52e-05
844	112	20.05	1.44	-2.40	-4.82e-04	0.0	-2.12e-03
844	117	-20.98	-0.41	2.33	1.96e-04	0.0	2.18e-03
844	131	7.15	5.04	-0.42	-6.57e-04	0.0	-2.82e-04
844	145	-0.02	0.67	-0.02	-1.82e-04	0.0	0.0
844	146	-0.02	0.70	-0.02	-1.92e-04	0.0	2.25e-06
844	147	3.17e-03	0.44	-0.04	-1.21e-04	0.0	8.25e-06
844	151	-0.01	0.58	-0.02	-1.58e-04	0.0	1.21e-06
844	152	-2.21e-03	0.38	-0.04	-1.05e-04	0.0	4.75e-06
844	155	-3.55e-03	0.37	-0.04	-1.00e-04	0.0	3.88e-06
844	156	-0.01	0.55	-0.03	-1.50e-04	0.0	1.59e-06
845	3	-0.03	0.95	-0.02	-2.67e-04	0.0	-1.11e-06
845	4	-0.02	1.01	-0.02	-2.82e-04	0.0	2.14e-06
845	9	4.96e-03	0.61	-0.05	-1.70e-04	0.0	1.14e-05
845	16	16.06	1.87	-0.90	-4.40e-04	0.0	-1.71e-03
845	21	-16.88	-0.85	0.84	1.46e-04	0.0	1.76e-03
845	35	5.76	4.45	-0.09	-5.80e-04	0.0	-1.91e-04
845	48	13.57	1.53	-0.78	-3.87e-04	0.0	-1.47e-03
845	53	-14.45	-0.50	0.72	9.16e-05	0.0	1.52e-03
845	67	5.01	4.42	-0.04	-5.72e-04	0.0	-7.37e-05
845	80	11.78	1.38	-0.68	-3.55e-04	0.0	-1.28e-03
845	85	-12.57	-0.35	0.63	5.85e-05	0.0	1.33e-03
845	99	4.38	3.99	-0.04	-5.25e-04	0.0	-5.46e-05
845	112	20.05	2.25	-1.12	-5.16e-04	0.0	-2.12e-03
845	117	-20.98	-1.25	1.05	2.24e-04	0.0	2.18e-03
845	131	7.15	5.17	-0.13	-6.63e-04	0.0	-2.81e-04
845	145	-0.02	0.67	-0.02	-1.87e-04	0.0	0.0
845	146	-0.02	0.70	-0.02	-1.97e-04	0.0	1.86e-06
845	147	3.17e-03	0.44	-0.04	-1.22e-04	0.0	8.03e-06
845	151	-0.01	0.58	-0.02	-1.61e-04	0.0	0.0
845	152	-2.21e-03	0.38	-0.03	-1.06e-04	0.0	4.56e-06
845	155	-3.55e-03	0.37	-0.03	-1.02e-04	0.0	3.69e-06
845	156	-0.01	0.55	-0.02	-1.53e-04	0.0	1.29e-06
846	3	-0.02	1.11	-0.02	-2.74e-04	0.0	-8.22e-06
846	4	-0.02	1.17	-0.03	-2.90e-04	0.0	-4.15e-06
846	9	6.26e-03	0.72	-0.05	-1.76e-04	0.0	1.10e-05

846	16	17.65	1.47	-1.98	-4.82e-04	0.0	-1.72e-03
846	21	-18.53	-0.26	1.91	1.79e-04	0.0	1.77e-03
846	35	6.32	4.68	-0.32	-5.21e-04	0.0	-1.87e-04
846	48	14.90	1.21	-1.70	-4.21e-04	0.0	-1.49e-03
846	53	-15.85	0.01	1.63	1.18e-04	0.0	1.53e-03
846	67	5.49	4.69	-0.21	-5.09e-04	0.0	-6.74e-05
846	80	12.94	1.11	-1.48	-3.85e-04	0.0	-1.30e-03
846	85	-13.79	0.11	1.42	8.08e-05	0.0	1.33e-03
846	99	4.80	4.25	-0.18	-4.69e-04	0.0	-4.92e-05
846	112	22.03	1.75	-2.45	-5.67e-04	0.0	-2.14e-03
846	117	-23.03	-0.55	2.38	2.66e-04	0.0	2.19e-03
846	131	7.85	5.41	-0.43	-5.94e-04	0.0	-2.76e-04
846	145	-0.02	0.78	-0.02	-1.91e-04	0.0	-5.16e-06
846	146	-0.01	0.82	-0.02	-2.02e-04	0.0	-2.45e-06
846	147	4.13e-03	0.52	-0.04	-1.27e-04	0.0	7.63e-06
846	151	-0.01	0.67	-0.03	-1.66e-04	0.0	-2.96e-06
846	152	-9.30e-04	0.45	-0.04	-1.10e-04	0.0	3.28e-06
846	155	-2.19e-03	0.43	-0.04	-1.05e-04	0.0	2.19e-06
846	156	-0.01	0.64	-0.03	-1.57e-04	0.0	-2.22e-06
847	3	-0.02	1.11	-0.02	-2.76e-04	0.0	-8.53e-06
847	4	-0.02	1.18	-0.02	-2.91e-04	0.0	-4.47e-06
847	9	6.26e-03	0.71	-0.05	-1.76e-04	0.0	1.08e-05
847	16	17.65	2.14	-0.93	-4.86e-04	0.0	-1.72e-03
847	21	-18.53	-0.95	0.87	1.81e-04	0.0	1.77e-03
847	35	6.32	4.77	-0.09	-5.30e-04	0.0	-1.86e-04
847	48	14.90	1.77	-0.80	-4.27e-04	0.0	-1.49e-03
847	53	-15.85	-0.57	0.74	1.22e-04	0.0	1.53e-03
847	67	5.49	4.74	-0.04	-5.18e-04	0.0	-6.64e-05
847	80	12.94	1.60	-0.70	-3.91e-04	0.0	-1.30e-03
847	85	-13.79	-0.39	0.64	8.40e-05	0.0	1.33e-03
847	99	4.80	4.28	-0.04	-4.77e-04	0.0	-4.83e-05
847	112	22.03	2.57	-1.15	-5.71e-04	0.0	-2.14e-03
847	117	-23.03	-1.40	1.08	2.68e-04	0.0	2.19e-03
847	131	7.85	5.54	-0.13	-6.04e-04	0.0	-2.75e-04
847	145	-0.02	0.78	-0.02	-1.93e-04	0.0	-5.38e-06
847	146	-0.01	0.82	-0.02	-2.03e-04	0.0	-2.67e-06
847	147	4.13e-03	0.51	-0.04	-1.26e-04	0.0	7.51e-06
847	151	-0.01	0.67	-0.02	-1.67e-04	0.0	-3.14e-06
847	152	-9.30e-04	0.44	-0.04	-1.10e-04	0.0	3.17e-06
847	155	-2.19e-03	0.43	-0.03	-1.06e-04	0.0	2.09e-06
847	156	-0.01	0.64	-0.02	-1.58e-04	0.0	-2.39e-06
848	3	-0.02	1.27	-0.02	-2.84e-04	0.0	-6.94e-06
848	4	-0.01	1.35	-0.03	-3.00e-04	0.0	-2.05e-06
848	9	6.96e-03	0.82	-0.05	-1.82e-04	0.0	1.40e-05
848	16	19.26	1.77	-2.01	-5.40e-04	0.0	-1.71e-03
848	21	-20.20	-0.38	1.94	2.26e-04	0.0	1.75e-03
848	35	6.88	4.95	-0.33	-4.32e-04	0.0	-2.05e-04
848	48	16.26	1.46	-1.73	-4.75e-04	0.0	-1.47e-03
848	53	-17.28	-0.07	1.66	1.61e-04	0.0	1.52e-03
848	67	5.98	4.96	-0.21	-4.15e-04	0.0	-8.55e-05
848	80	14.12	1.35	-1.51	-4.33e-04	0.0	-1.28e-03
848	85	-15.03	0.06	1.44	1.18e-04	0.0	1.32e-03
848	99	5.22	4.49	-0.18	-3.86e-04	0.0	-6.52e-05
848	112	24.04	2.10	-2.49	-6.36e-04	0.0	-2.12e-03
848	117	-25.11	-0.72	2.42	3.24e-04	0.0	2.17e-03
848	131	8.55	5.72	-0.43	-4.89e-04	0.0	-2.98e-04
848	145	-0.01	0.89	-0.02	-1.98e-04	0.0	-4.24e-06
848	146	-8.30e-03	0.94	-0.02	-2.09e-04	0.0	0.0
848	147	4.67e-03	0.59	-0.04	-1.31e-04	0.0	9.69e-06
848	151	-8.01e-03	0.77	-0.03	-1.72e-04	0.0	-2.01e-06
848	152	2.38e-04	0.51	-0.04	-1.13e-04	0.0	4.48e-06
848	155	-8.71e-04	0.49	-0.04	-1.09e-04	0.0	3.18e-06
848	156	-6.99e-03	0.73	-0.03	-1.63e-04	0.0	-1.27e-06
849	3	-0.02	1.27	-0.02	-2.82e-04	0.0	-6.99e-06
849	4	-0.01	1.35	-0.02	-2.98e-04	0.0	-2.09e-06
849	9	6.96e-03	0.82	-0.05	-1.81e-04	0.0	1.40e-05
849	16	19.26	2.43	-0.95	-5.25e-04	0.0	-1.71e-03
849	21	-20.20	-1.06	0.89	2.13e-04	0.0	1.75e-03
849	35	6.88	5.06	-0.10	-4.62e-04	0.0	-2.04e-04
849	48	16.26	2.03	-0.82	-4.64e-04	0.0	-1.47e-03
849	53	-17.28	-0.65	0.76	1.51e-04	0.0	1.52e-03
849	67	5.98	5.02	-0.04	-4.47e-04	0.0	-8.45e-05
849	80	14.12	1.84	-0.72	-4.23e-04	0.0	-1.28e-03
849	85	-15.03	-0.45	0.66	1.09e-04	0.0	1.32e-03
849	99	5.22	4.54	-0.04	-4.14e-04	0.0	-6.42e-05

849	112	24.04	2.92	-1.17	-6.18e-04	0.0	-2.12e-03
849	117	-25.11	-1.57	1.11	3.08e-04	0.0	2.17e-03
849	131	8.55	5.87	-0.13	-5.25e-04	0.0	-2.97e-04
849	145	-0.01	0.89	-0.02	-1.97e-04	0.0	-4.27e-06
849	146	-8.30e-03	0.94	-0.02	-2.08e-04	0.0	-1.00e-06
849	147	4.67e-03	0.59	-0.04	-1.30e-04	0.0	9.69e-06
849	151	-8.01e-03	0.77	-0.02	-1.71e-04	0.0	-2.04e-06
849	152	2.39e-04	0.51	-0.04	-1.13e-04	0.0	4.47e-06
849	155	-8.70e-04	0.49	-0.04	-1.08e-04	0.0	3.17e-06
849	156	-6.99e-03	0.73	-0.02	-1.62e-04	0.0	-1.29e-06
850	3	-9.79e-03	1.44	-0.02	-2.89e-04	0.0	-1.70e-06
850	4	-6.51e-03	1.53	-0.03	-3.06e-04	0.0	3.36e-06
850	9	6.85e-03	0.93	-0.05	-1.84e-04	0.0	1.65e-05
850	16	20.88	2.10	-2.04	-5.81e-04	0.0	-1.68e-03
850	21	-21.88	-0.52	1.97	2.81e-04	0.0	1.72e-03
850	35	7.46	5.16	-0.33	-3.52e-04	0.0	-2.57e-04
850	48	17.63	1.75	-1.75	-5.14e-04	0.0	-1.45e-03
850	53	-18.71	-0.17	1.68	2.18e-04	0.0	1.49e-03
850	67	6.47	5.15	-0.21	-3.33e-04	0.0	-1.38e-04
850	80	15.31	1.61	-1.53	-4.68e-04	0.0	-1.26e-03
850	85	-16.28	-0.02	1.46	1.69e-04	0.0	1.30e-03
850	99	5.65	4.67	-0.18	-3.13e-04	0.0	-1.11e-04
850	112	26.06	2.48	-2.52	-6.85e-04	0.0	-2.08e-03
850	117	-27.20	-0.92	2.45	3.89e-04	0.0	2.14e-03
850	131	9.26	5.96	-0.44	-3.96e-04	0.0	-3.60e-04
850	145	-6.43e-03	1.01	-0.02	-2.02e-04	0.0	0.0
850	146	-4.25e-03	1.06	-0.02	-2.13e-04	0.0	2.73e-06
850	147	4.66e-03	0.67	-0.04	-1.32e-04	0.0	1.15e-05
850	151	-4.42e-03	0.87	-0.03	-1.75e-04	0.0	0.0
850	152	1.16e-03	0.58	-0.04	-1.15e-04	0.0	6.10e-06
850	155	2.89e-04	0.56	-0.04	-1.11e-04	0.0	4.75e-06
850	156	-3.75e-03	0.83	-0.03	-1.66e-04	0.0	1.52e-06
851	3	-9.78e-03	1.44	-0.02	-2.87e-04	0.0	-1.59e-06
851	4	-6.49e-03	1.52	-0.02	-3.03e-04	0.0	3.51e-06
851	9	6.87e-03	0.93	-0.05	-1.84e-04	0.0	1.67e-05
851	16	20.88	2.75	-0.96	-5.58e-04	0.0	-1.68e-03
851	21	-21.88	-1.20	0.90	2.39e-04	0.0	1.73e-03
851	35	7.46	5.30	-0.10	-3.96e-04	0.0	-2.57e-04
851	48	17.63	2.31	-0.83	-4.94e-04	0.0	-1.45e-03
851	53	-18.71	-0.75	0.77	1.75e-04	0.0	1.49e-03
851	67	6.47	5.25	-0.04	-3.77e-04	0.0	-1.37e-04
851	80	15.31	2.10	-0.73	-4.50e-04	0.0	-1.26e-03
851	85	-16.28	-0.52	0.67	1.31e-04	0.0	1.30e-03
851	99	5.65	4.75	-0.04	-3.52e-04	0.0	-1.11e-04
851	112	26.06	3.30	-1.19	-6.56e-04	0.0	-2.08e-03
851	117	-27.20	-1.76	1.12	3.40e-04	0.0	2.14e-03
851	119	25.18	6.28	-0.96	-7.40e-04	0.0	-2.11e-03
851	145	-6.42e-03	1.01	-0.02	-2.01e-04	0.0	0.0
851	146	-4.23e-03	1.06	-0.02	-2.12e-04	0.0	2.84e-06
851	147	4.67e-03	0.66	-0.04	-1.32e-04	0.0	1.16e-05
851	151	-4.41e-03	0.87	-0.02	-1.74e-04	0.0	1.06e-06
851	152	1.17e-03	0.58	-0.04	-1.15e-04	0.0	6.18e-06
851	155	2.95e-04	0.55	-0.04	-1.10e-04	0.0	4.82e-06
851	156	-3.74e-03	0.83	-0.02	-1.64e-04	0.0	1.59e-06
852	4	-1.33e-03	1.70	-0.03	-3.08e-04	0.0	6.92e-06
852	9	5.29e-03	1.04	-0.05	-1.84e-04	0.0	1.42e-05
852	16	22.51	2.45	-2.05	-6.27e-04	0.0	-1.65e-03
852	18	-23.57	-2.71	1.86	2.53e-04	0.0	1.53e-03
852	35	8.03	5.32	-0.33	-2.29e-04	0.0	-3.06e-04
852	48	19.00	2.06	-1.76	-5.63e-04	0.0	-1.43e-03
852	50	-20.16	-2.40	1.56	1.86e-04	0.0	1.29e-03
852	67	6.97	5.29	-0.21	-1.98e-04	0.0	-1.87e-04
852	80	16.50	1.89	-1.54	-5.12e-04	0.0	-1.24e-03
852	82	-17.53	-2.00	1.35	1.39e-04	0.0	1.12e-03
852	99	6.09	4.80	-0.18	-1.92e-04	0.0	-1.55e-04
852	112	28.10	2.90	-2.54	-7.39e-04	0.0	-2.05e-03
852	114	-29.31	-3.51	2.33	3.58e-04	0.0	1.91e-03
852	131	9.98	6.13	-0.44	-2.53e-04	0.0	-4.18e-04
852	146	-7.66e-04	1.19	-0.02	-2.15e-04	0.0	5.08e-06
852	147	3.65e-03	0.75	-0.04	-1.32e-04	0.0	9.92e-06
852	151	-1.17e-03	0.97	-0.03	-1.76e-04	0.0	3.25e-06
852	152	1.51e-03	0.65	-0.04	-1.15e-04	0.0	5.87e-06
852	155	9.82e-04	0.62	-0.04	-1.11e-04	0.0	4.86e-06
852	156	-8.66e-04	0.92	-0.03	-1.67e-04	0.0	3.48e-06
853	4	-1.22e-03	1.70	-0.02	-3.07e-04	0.0	7.02e-06

853	9	5.36e-03	1.03	-0.05	-1.87e-04	0.0	1.44e-05
853	16	22.51	3.09	-0.97	-5.76e-04	0.0	-1.65e-03
853	18	-23.57	-3.34	0.82	2.78e-04	0.0	1.53e-03
853	23	21.40	5.57	-0.77	-6.09e-04	0.0	-1.67e-03
853	48	19.00	2.61	-0.84	-5.12e-04	0.0	-1.43e-03
853	50	-20.16	-2.94	0.68	2.17e-04	0.0	1.29e-03
853	67	6.97	5.44	-0.04	-3.32e-04	0.0	-1.87e-04
853	80	16.50	2.37	-0.73	-4.66e-04	0.0	-1.24e-03
853	82	-17.53	-2.46	0.59	1.68e-04	0.0	1.12e-03
853	99	6.09	4.93	-0.04	-3.12e-04	0.0	-1.55e-04
853	112	28.10	3.69	-1.20	-6.78e-04	0.0	-2.04e-03
853	114	-29.31	-4.30	1.03	3.86e-04	0.0	1.91e-03
853	119	27.15	6.70	-0.97	-7.27e-04	0.0	-2.13e-03
853	146	-6.89e-04	1.19	-0.02	-2.14e-04	0.0	5.15e-06
853	147	3.70e-03	0.74	-0.04	-1.34e-04	0.0	1.01e-05
853	151	-1.11e-03	0.97	-0.02	-1.75e-04	0.0	3.29e-06
853	152	1.56e-03	0.64	-0.04	-1.16e-04	0.0	5.96e-06
853	155	1.02e-03	0.62	-0.04	-1.12e-04	0.0	4.93e-06
853	156	-8.07e-04	0.92	-0.02	-1.66e-04	0.0	3.52e-06
854	4	1.58e-03	1.88	-0.03	-3.08e-04	0.0	7.70e-06
854	9	1.06e-03	1.15	-0.05	-1.84e-04	0.0	6.95e-06
854	15	25.28	4.89	-1.92	-5.83e-04	0.0	-1.50e-03
854	16	24.14	2.81	-2.05	-6.37e-04	0.0	-1.65e-03
854	35	8.61	5.43	-0.33	-2.07e-04	0.0	-2.79e-04
854	47	21.61	4.54	-1.62	-5.16e-04	0.0	-1.28e-03
854	48	20.38	2.38	-1.76	-5.72e-04	0.0	-1.43e-03
854	67	7.47	5.39	-0.22	-1.77e-04	0.0	-1.65e-04
854	79	18.80	4.11	-1.41	-4.69e-04	0.0	-1.11e-03
854	80	17.70	2.18	-1.54	-5.20e-04	0.0	-1.25e-03
854	99	6.53	4.90	-0.18	-1.72e-04	0.0	-1.36e-04
854	111	31.43	5.75	-2.39	-6.88e-04	0.0	-1.87e-03
854	112	30.14	3.33	-2.55	-7.50e-04	0.0	-2.04e-03
854	131	10.70	6.26	-0.44	-2.27e-04	0.0	-3.85e-04
854	146	1.11e-03	1.32	-0.02	-2.15e-04	0.0	5.44e-06
854	147	7.58e-04	0.82	-0.04	-1.32e-04	0.0	4.93e-06
854	151	9.02e-04	1.08	-0.03	-1.76e-04	0.0	4.25e-06
854	152	6.35e-04	0.71	-0.04	-1.15e-04	0.0	3.66e-06
854	155	6.04e-04	0.68	-0.04	-1.11e-04	0.0	3.34e-06
854	156	8.59e-04	1.02	-0.03	-1.67e-04	0.0	4.12e-06
855	4	2.34e-03	1.88	-0.02	-3.08e-04	0.0	7.98e-06
855	9	1.52e-03	1.14	-0.05	-1.88e-04	0.0	7.36e-06
855	15	25.27	5.54	-0.87	-5.81e-04	0.0	-1.50e-03
855	16	24.14	3.43	-0.97	-6.09e-04	0.0	-1.65e-03
855	23	22.96	5.91	-0.77	-5.78e-04	0.0	-1.67e-03
855	47	21.61	5.09	-0.73	-5.16e-04	0.0	-1.28e-03
855	48	20.38	2.91	-0.84	-5.47e-04	0.0	-1.43e-03
855	67	7.47	5.60	-0.04	-2.18e-04	0.0	-1.65e-04
855	79	18.79	4.59	-0.64	-4.70e-04	0.0	-1.11e-03
855	80	17.70	2.64	-0.73	-4.98e-04	0.0	-1.25e-03
855	99	6.52	5.09	-0.04	-2.09e-04	0.0	-1.36e-04
855	111	31.42	6.55	-1.08	-6.83e-04	0.0	-1.88e-03
855	112	30.13	4.09	-1.20	-7.16e-04	0.0	-2.04e-03
855	119	29.14	7.11	-0.97	-6.91e-04	0.0	-2.13e-03
855	146	1.64e-03	1.31	-0.02	-2.15e-04	0.0	5.63e-06
855	147	1.09e-03	0.82	-0.04	-1.35e-04	0.0	5.22e-06
855	151	1.34e-03	1.08	-0.02	-1.76e-04	0.0	4.39e-06
855	152	9.26e-04	0.71	-0.04	-1.17e-04	0.0	3.84e-06
855	155	8.85e-04	0.68	-0.04	-1.12e-04	0.0	3.50e-06
855	156	1.27e-03	1.02	-0.02	-1.67e-04	0.0	4.26e-06
856	3	-0.03	0.95	-8.19e-03	-2.74e-04	0.0	-3.69e-06
856	4	-0.02	1.01	-0.01	-2.88e-04	0.0	0.0
856	9	4.96e-03	0.61	-0.05	-1.72e-04	0.0	9.99e-06
856	21	-16.88	-1.53	-0.06	1.72e-04	0.0	1.76e-03
856	23	15.25	4.75	0.13	-6.77e-04	0.0	-1.60e-03
856	38	-5.78	-3.46	-0.19	2.71e-04	0.0	1.83e-04
856	53	-14.45	-1.09	-0.06	1.18e-04	0.0	1.52e-03
856	67	5.01	4.48	0.15	-5.74e-04	0.0	-6.59e-05
856	70	-5.03	-3.39	-0.19	2.61e-04	0.0	6.56e-05
856	85	-12.57	-0.86	-0.05	8.12e-05	0.0	1.33e-03
856	99	4.38	4.03	0.14	-5.27e-04	0.0	-4.78e-05
856	102	-4.40	-2.94	-0.17	2.14e-04	0.0	4.76e-05
856	117	-20.98	-2.11	-0.08	2.56e-04	0.0	2.18e-03
856	119	19.34	5.78	0.17	-8.05e-04	0.0	-2.04e-03
856	134	-7.18	-4.22	-0.22	3.54e-04	0.0	2.71e-04
856	145	-0.02	0.67	-0.01	-1.91e-04	0.0	-2.10e-06

856	146	-0.02	0.70	-0.01	-2.01e-04	0.0	0.0
856	147	3.17e-03	0.44	-0.04	-1.23e-04	0.0	7.02e-06
856	151	-0.01	0.58	-0.02	-1.65e-04	0.0	0.0
856	152	-2.21e-03	0.38	-0.03	-1.08e-04	0.0	3.65e-06
856	155	-3.55e-03	0.36	-0.03	-1.04e-04	0.0	2.80e-06
856	156	-0.01	0.55	-0.02	-1.56e-04	0.0	0.0
857	3	-0.02	1.11	-7.64e-03	-2.78e-04	0.0	-9.75e-06
857	4	-0.02	1.18	-0.01	-2.93e-04	0.0	-5.74e-06
857	9	6.27e-03	0.71	-0.05	-1.75e-04	0.0	1.01e-05
857	21	-18.53	-1.64	-0.06	1.85e-04	0.0	1.77e-03
857	23	16.76	5.13	0.14	-6.63e-04	0.0	-1.62e-03
857	38	-6.34	-3.59	-0.19	2.23e-04	0.0	1.78e-04
857	53	-15.85	-1.16	-0.06	1.29e-04	0.0	1.53e-03
857	67	5.49	4.79	0.16	-5.29e-04	0.0	-6.52e-05
857	70	-5.51	-3.51	-0.20	2.11e-04	0.0	5.90e-05
857	85	-13.79	-0.91	-0.06	9.11e-05	0.0	1.33e-03
857	99	4.80	4.32	0.14	-4.87e-04	0.0	-4.73e-05
857	102	-4.82	-3.05	-0.18	1.69e-04	0.0	4.12e-05
857	117	-23.03	-2.26	-0.08	2.72e-04	0.0	2.19e-03
857	119	21.26	6.23	0.17	-7.88e-04	0.0	-2.07e-03
857	134	-7.87	-4.40	-0.22	2.98e-04	0.0	2.67e-04
857	145	-0.02	0.78	-0.01	-1.94e-04	0.0	-6.23e-06
857	146	-0.01	0.82	-0.01	-2.04e-04	0.0	-3.55e-06
857	147	4.13e-03	0.51	-0.04	-1.26e-04	0.0	7.02e-06
857	151	-0.01	0.67	-0.02	-1.68e-04	0.0	-3.86e-06
857	152	-9.29e-04	0.44	-0.03	-1.10e-04	0.0	2.74e-06
857	155	-2.19e-03	0.43	-0.03	-1.06e-04	0.0	1.66e-06
857	156	-0.01	0.64	-0.02	-1.59e-04	0.0	-3.07e-06
858	3	-0.02	1.28	-7.22e-03	-2.80e-04	0.0	-7.07e-06
858	4	-0.01	1.35	-0.01	-2.96e-04	0.0	-2.17e-06
858	9	6.97e-03	0.81	-0.05	-1.79e-04	0.0	1.39e-05
858	21	-20.20	-1.75	-0.06	2.02e-04	0.0	1.75e-03
858	23	18.29	5.51	0.14	-6.56e-04	0.0	-1.63e-03
858	38	-6.90	-3.70	-0.20	1.82e-04	0.0	1.99e-04
858	53	-17.28	-1.24	-0.06	1.44e-04	0.0	1.52e-03
858	67	5.98	5.08	0.16	-4.89e-04	0.0	-8.15e-05
858	70	-5.99	-3.62	-0.20	1.68e-04	0.0	7.88e-05
858	85	-15.03	-0.96	-0.06	1.04e-04	0.0	1.32e-03
858	99	5.22	4.59	0.14	-4.52e-04	0.0	-6.16e-05
858	102	-5.24	-3.13	-0.18	1.31e-04	0.0	5.89e-05
858	117	-25.11	-2.42	-0.08	2.93e-04	0.0	2.17e-03
858	119	23.21	6.68	0.17	-7.81e-04	0.0	-2.08e-03
858	134	-8.57	-4.56	-0.23	2.51e-04	0.0	2.91e-04
858	145	-0.01	0.89	-9.84e-03	-1.96e-04	0.0	-4.32e-06
858	146	-8.30e-03	0.94	-0.01	-2.07e-04	0.0	-1.06e-06
858	147	4.68e-03	0.58	-0.04	-1.29e-04	0.0	9.68e-06
858	151	-8.01e-03	0.77	-0.02	-1.70e-04	0.0	-2.08e-06
858	152	2.41e-04	0.51	-0.03	-1.12e-04	0.0	4.45e-06
858	155	-8.68e-04	0.49	-0.03	-1.08e-04	0.0	3.14e-06
858	156	-6.99e-03	0.73	-0.02	-1.61e-04	0.0	-1.34e-06

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-51.98	-6.89	-3.12	-9.98e-04	-6.04e-03	-2.32e-03
	53.01	8.93	2.50	8.03e-04	6.22e-03	2.32e-03

Nodo	Cmb	Azione X kN	Azione Y kN	Azione Z kN	Azione RX kN m	Azione RY kN m	Azione RZ kN m
1	1	0.03	-0.51	-4.76	0.0	0.0	0.0
1	5	0.02	-0.36	-3.59	0.0	0.0	0.0
1	11	0.05	-0.76	-5.47	0.0	0.0	0.0
1	15	4.36	2.38	144.50	0.0	0.0	0.0
1	19	4.42	2.29	145.29	0.0	0.0	0.0
1	22	-4.36	-3.25	-152.84	0.0	0.0	0.0
1	47	3.82	2.10	124.06	0.0	0.0	0.0
1	51	3.87	2.02	124.79	0.0	0.0	0.0
1	54	-3.81	-2.97	-132.34	0.0	0.0	0.0
1	79	3.34	1.78	107.57	0.0	0.0	0.0
1	83	3.39	1.71	108.21	0.0	0.0	0.0
1	86	-3.33	-2.66	-115.76	0.0	0.0	0.0
1	111	5.39	3.01	180.18	0.0	0.0	0.0
1	115	5.46	2.91	181.12	0.0	0.0	0.0
1	118	-5.40	-3.87	-188.67	0.0	0.0	0.0
1	143	0.02	-0.38	-3.63	0.0	0.0	0.0
1	149	0.03	-0.55	-4.10	0.0	0.0	0.0

1	150	0.02	-0.38	-3.63	0.0	0.0	0.0
1	154	0.03	-0.49	-3.84	0.0	0.0	0.0
1	155	0.02	-0.38	-3.63	0.0	0.0	0.0
1	156	0.03	-0.48	-3.78	0.0	0.0	0.0
2	1	0.02	6.41e-03	-1.76	0.0	0.0	0.0
2	7	0.03	0.01	-0.74	0.0	0.0	0.0
2	9	0.02	7.73e-03	-1.91	0.0	0.0	0.0
2	15	4.85	0.02	-108.38	0.0	0.0	0.0
2	16	5.33	-8.39e-03	-116.49	0.0	0.0	0.0
2	17	-5.28	0.02	114.26	0.0	0.0	0.0
2	47	4.22	0.02	-92.03	0.0	0.0	0.0
2	48	4.73	-9.07e-03	-100.60	0.0	0.0	0.0
2	49	-4.68	0.02	98.38	0.0	0.0	0.0
2	79	3.69	0.02	-80.11	0.0	0.0	0.0
2	80	4.14	-7.38e-03	-87.77	0.0	0.0	0.0
2	81	-4.10	0.02	85.55	0.0	0.0	0.0
2	111	6.01	0.02	-134.92	0.0	0.0	0.0
2	112	6.56	-0.01	-144.28	0.0	0.0	0.0
2	113	-6.52	0.03	142.06	0.0	0.0	0.0
2	143	0.01	4.68e-03	-1.37	0.0	0.0	0.0
2	145	0.03	8.51e-03	-0.94	0.0	0.0	0.0
2	147	0.02	5.56e-03	-1.47	0.0	0.0	0.0
2	150	0.01	4.68e-03	-1.37	0.0	0.0	0.0
2	151	0.02	7.36e-03	-1.07	0.0	0.0	0.0
2	152	0.01	4.85e-03	-1.39	0.0	0.0	0.0
2	155	0.01	4.68e-03	-1.37	0.0	0.0	0.0
2	156	0.02	6.98e-03	-1.11	0.0	0.0	0.0
3	1	-0.02	6.43e-03	-1.76	0.0	0.0	0.0
3	7	-0.03	0.01	-0.74	0.0	0.0	0.0
3	9	-0.02	7.76e-03	-1.91	0.0	0.0	0.0
3	15	5.25	0.02	113.37	0.0	0.0	0.0
3	19	5.28	0.02	114.24	0.0	0.0	0.0
3	22	-5.33	-8.41e-03	-116.47	0.0	0.0	0.0
3	47	4.65	0.02	97.57	0.0	0.0	0.0
3	51	4.68	0.02	98.35	0.0	0.0	0.0
3	54	-4.73	-9.06e-03	-100.58	0.0	0.0	0.0
3	79	4.07	0.02	84.84	0.0	0.0	0.0
3	83	4.10	0.02	85.53	0.0	0.0	0.0
3	86	-4.14	-7.37e-03	-87.75	0.0	0.0	0.0
3	111	6.47	0.03	140.97	0.0	0.0	0.0
3	115	6.52	0.03	142.03	0.0	0.0	0.0
3	118	-6.56	-0.01	-144.25	0.0	0.0	0.0
3	143	-0.01	4.69e-03	-1.37	0.0	0.0	0.0
3	145	-0.03	8.54e-03	-0.94	0.0	0.0	0.0
3	147	-0.02	5.58e-03	-1.47	0.0	0.0	0.0
3	150	-0.01	4.69e-03	-1.37	0.0	0.0	0.0
3	151	-0.02	7.39e-03	-1.07	0.0	0.0	0.0
3	152	-0.01	4.87e-03	-1.39	0.0	0.0	0.0
3	155	-0.01	4.69e-03	-1.37	0.0	0.0	0.0
3	156	-0.02	7.00e-03	-1.11	0.0	0.0	0.0
4	1	-0.03	-0.51	-4.76	0.0	0.0	0.0
4	5	-0.02	-0.36	-3.59	0.0	0.0	0.0
4	11	-0.05	-0.76	-5.47	0.0	0.0	0.0
4	15	4.76	-1.89	-134.37	0.0	0.0	0.0
4	16	4.36	-3.25	-152.85	0.0	0.0	0.0
4	17	-4.42	2.29	145.29	0.0	0.0	0.0
4	47	4.26	-1.55	-113.25	0.0	0.0	0.0
4	48	3.81	-2.97	-132.35	0.0	0.0	0.0
4	49	-3.87	2.02	124.79	0.0	0.0	0.0
4	79	3.73	-1.39	-98.73	0.0	0.0	0.0
4	80	3.33	-2.66	-115.77	0.0	0.0	0.0
4	81	-3.39	1.71	108.21	0.0	0.0	0.0
4	111	5.87	-2.30	-167.13	0.0	0.0	0.0
4	112	5.40	-3.87	-188.69	0.0	0.0	0.0
4	113	-5.46	2.91	181.13	0.0	0.0	0.0
4	143	-0.02	-0.38	-3.63	0.0	0.0	0.0
4	149	-0.03	-0.55	-4.11	0.0	0.0	0.0
4	150	-0.02	-0.38	-3.63	0.0	0.0	0.0
4	154	-0.03	-0.49	-3.84	0.0	0.0	0.0
4	155	-0.02	-0.38	-3.63	0.0	0.0	0.0
4	156	-0.03	-0.48	-3.78	0.0	0.0	0.0
5	1	0.75	-0.52	-40.89	0.0	0.0	0.0
5	4	1.28	-1.02	-73.77	0.0	0.0	0.0
5	5	0.52	-0.35	-28.43	0.0	0.0	0.0
5	15	8.34	-4.52	-157.37	0.0	0.0	0.0

5	19	8.88	-4.36	-159.05	0.0	0.0	0.0
5	22	-7.40	3.24	75.47	0.0	0.0	0.0
5	47	7.34	-3.64	-142.10	0.0	0.0	0.0
5	51	7.92	-3.49	-143.63	0.0	0.0	0.0
5	54	-6.44	2.37	60.05	0.0	0.0	0.0
5	79	6.50	-3.21	-129.27	0.0	0.0	0.0
5	83	7.02	-3.07	-130.61	0.0	0.0	0.0
5	86	-5.54	1.95	47.03	0.0	0.0	0.0
5	111	10.17	-5.61	-185.01	0.0	0.0	0.0
5	115	10.78	-5.42	-187.02	0.0	0.0	0.0
5	118	-9.30	4.30	103.44	0.0	0.0	0.0
5	143	0.55	-0.38	-30.14	0.0	0.0	0.0
5	146	0.91	-0.72	-52.06	0.0	0.0	0.0
5	150	0.55	-0.38	-30.14	0.0	0.0	0.0
5	151	0.77	-0.59	-43.73	0.0	0.0	0.0
5	155	0.55	-0.38	-30.14	0.0	0.0	0.0
5	156	0.74	-0.56	-41.79	0.0	0.0	0.0
6	1	-0.75	-0.52	-40.89	0.0	0.0	0.0
6	4	-1.28	-1.02	-73.77	0.0	0.0	0.0
6	5	-0.52	-0.35	-28.43	0.0	0.0	0.0
6	15	6.87	6.44	62.78	0.0	0.0	0.0
6	16	7.40	3.24	75.48	0.0	0.0	0.0
6	17	-8.88	-4.36	-159.07	0.0	0.0	0.0
6	47	5.87	5.71	46.93	0.0	0.0	0.0
6	48	6.44	2.37	60.05	0.0	0.0	0.0
6	49	-7.92	-3.49	-143.64	0.0	0.0	0.0
6	79	5.03	4.93	35.32	0.0	0.0	0.0
6	80	5.54	1.95	47.03	0.0	0.0	0.0
6	81	-7.02	-3.07	-130.62	0.0	0.0	0.0
6	111	8.70	8.03	88.64	0.0	0.0	0.0
6	112	9.30	4.30	103.46	0.0	0.0	0.0
6	113	-10.78	-5.42	-187.04	0.0	0.0	0.0
6	143	-0.55	-0.38	-30.14	0.0	0.0	0.0
6	146	-0.91	-0.72	-52.06	0.0	0.0	0.0
6	150	-0.55	-0.38	-30.14	0.0	0.0	0.0
6	151	-0.77	-0.59	-43.74	0.0	0.0	0.0
6	155	-0.55	-0.38	-30.14	0.0	0.0	0.0
6	156	-0.74	-0.56	-41.79	0.0	0.0	0.0
7	1	0.19	6.10e-03	-11.29	0.0	0.0	0.0
7	4	0.38	0.01	-19.59	0.0	0.0	0.0
7	5	0.13	4.14e-03	-7.91	0.0	0.0	0.0
7	15	8.84	0.01	-178.61	0.0	0.0	0.0
7	19	9.37	0.01	-182.93	0.0	0.0	0.0
7	22	-8.96	7.57e-04	160.40	0.0	0.0	0.0
7	47	7.66	0.01	-153.34	0.0	0.0	0.0
7	51	8.24	0.01	-157.86	0.0	0.0	0.0
7	54	-7.82	-1.02e-03	135.33	0.0	0.0	0.0
7	79	6.71	0.01	-134.73	0.0	0.0	0.0
7	83	7.22	0.01	-138.77	0.0	0.0	0.0
7	86	-6.80	-3.92e-04	116.25	0.0	0.0	0.0
7	111	10.93	0.01	-219.80	0.0	0.0	0.0
7	115	11.54	0.01	-224.85	0.0	0.0	0.0
7	118	-11.12	3.56e-04	202.33	0.0	0.0	0.0
7	143	0.14	4.46e-03	-8.35	0.0	0.0	0.0
7	146	0.27	8.50e-03	-13.88	0.0	0.0	0.0
7	150	0.14	4.46e-03	-8.35	0.0	0.0	0.0
7	151	0.22	7.00e-03	-11.75	0.0	0.0	0.0
7	155	0.14	4.46e-03	-8.35	0.0	0.0	0.0
7	156	0.21	6.63e-03	-11.26	0.0	0.0	0.0
8	1	-0.19	6.16e-03	-11.29	0.0	0.0	0.0
8	4	-0.38	0.01	-19.59	0.0	0.0	0.0
8	5	-0.13	4.18e-03	-7.91	0.0	0.0	0.0
8	15	8.42	0.03	155.74	0.0	0.0	0.0
8	16	8.96	1.02e-03	160.42	0.0	0.0	0.0
8	17	-9.38	0.01	-182.95	0.0	0.0	0.0
8	47	7.24	0.03	130.50	0.0	0.0	0.0
8	48	7.82	-7.77e-04	135.36	0.0	0.0	0.0
8	49	-8.24	0.01	-157.88	0.0	0.0	0.0
8	79	6.28	0.03	111.93	0.0	0.0	0.0
8	80	6.81	-1.76e-04	116.27	0.0	0.0	0.0
8	81	-7.23	0.01	-138.79	0.0	0.0	0.0
8	111	10.50	0.03	196.86	0.0	0.0	0.0
8	112	11.13	6.61e-04	202.35	0.0	0.0	0.0
8	113	-11.54	0.01	-224.87	0.0	0.0	0.0
8	143	-0.14	4.49e-03	-8.35	0.0	0.0	0.0

8	146	-0.27	8.57e-03	-13.88	0.0	0.0	0.0
8	150	-0.14	4.49e-03	-8.35	0.0	0.0	0.0
8	151	-0.22	7.06e-03	-11.75	0.0	0.0	0.0
8	155	-0.14	4.49e-03	-8.35	0.0	0.0	0.0
8	156	-0.21	6.69e-03	-11.26	0.0	0.0	0.0
9	1	0.02	-0.26	-21.13	0.0	0.0	0.0
9	4	0.03	-0.51	-38.96	0.0	0.0	0.0
9	5	0.01	-0.17	-14.62	0.0	0.0	0.0
9	15	-0.76	3.06	-14.89	0.0	0.0	0.0
9	32	-0.26	-2.27	7.10	0.0	0.0	0.0
9	33	0.30	1.72	-50.88	0.0	0.0	0.0
9	47	-0.64	2.72	-17.18	0.0	0.0	0.0
9	64	-0.23	-2.49	7.40	0.0	0.0	0.0
9	65	0.26	1.94	-51.18	0.0	0.0	0.0
9	79	-0.55	2.35	-17.95	0.0	0.0	0.0
9	96	-0.19	-2.27	4.17	0.0	0.0	0.0
9	97	0.23	1.72	-47.95	0.0	0.0	0.0
9	111	-0.95	3.81	-12.62	0.0	0.0	0.0
9	128	-0.32	-2.54	12.22	0.0	0.0	0.0
9	129	0.36	1.98	-56.00	0.0	0.0	0.0
9	143	0.01	-0.19	-15.54	0.0	0.0	0.0
9	146	0.02	-0.35	-27.43	0.0	0.0	0.0
9	150	0.01	-0.19	-15.54	0.0	0.0	0.0
9	151	0.02	-0.29	-22.95	0.0	0.0	0.0
9	155	0.01	-0.19	-15.54	0.0	0.0	0.0
9	156	0.02	-0.28	-21.89	0.0	0.0	0.0
10	1	-0.02	-0.26	-21.13	0.0	0.0	0.0
10	4	-0.03	-0.51	-38.95	0.0	0.0	0.0
10	5	-0.01	-0.17	-14.62	0.0	0.0	0.0
10	15	-0.82	-2.05	-42.66	0.0	0.0	0.0
10	39	-0.30	1.72	-50.88	0.0	0.0	0.0
10	42	0.26	-2.27	7.11	0.0	0.0	0.0
10	47	-0.70	-1.64	-40.97	0.0	0.0	0.0
10	71	-0.26	1.94	-51.18	0.0	0.0	0.0
10	74	0.23	-2.49	7.41	0.0	0.0	0.0
10	79	-0.61	-1.44	-38.66	0.0	0.0	0.0
10	103	-0.23	1.72	-47.95	0.0	0.0	0.0
10	106	0.19	-2.27	4.18	0.0	0.0	0.0
10	111	-1.02	-2.55	-47.16	0.0	0.0	0.0
10	135	-0.36	1.98	-55.99	0.0	0.0	0.0
10	138	0.32	-2.54	12.22	0.0	0.0	0.0
10	143	-0.01	-0.19	-15.54	0.0	0.0	0.0
10	146	-0.02	-0.35	-27.42	0.0	0.0	0.0
10	150	-0.01	-0.19	-15.54	0.0	0.0	0.0
10	151	-0.02	-0.29	-22.94	0.0	0.0	0.0
10	155	-0.01	-0.19	-15.54	0.0	0.0	0.0
10	156	-0.02	-0.28	-21.89	0.0	0.0	0.0
11	1	1.25e-06	0.27	-25.67	0.0	0.0	0.0
11	4	2.56e-06	0.53	-50.19	0.0	0.0	0.0
11	5	0.0	0.18	-17.54	0.0	0.0	0.0
11	15	0.04	4.38	-14.23	0.0	0.0	0.0
11	27	0.03	4.81	-12.68	0.0	0.0	0.0
11	30	-0.03	-4.23	-42.62	0.0	0.0	0.0
11	47	0.04	3.94	-14.22	0.0	0.0	0.0
11	59	0.03	4.18	-12.72	0.0	0.0	0.0
11	62	-0.03	-3.59	-42.58	0.0	0.0	0.0
11	79	0.03	3.48	-15.68	0.0	0.0	0.0
11	91	0.03	3.68	-14.37	0.0	0.0	0.0
11	94	-0.03	-3.10	-40.93	0.0	0.0	0.0
11	111	0.04	5.31	-11.66	0.0	0.0	0.0
11	123	0.04	5.93	-9.80	0.0	0.0	0.0
11	126	-0.04	-5.35	-45.50	0.0	0.0	0.0
11	143	0.0	0.20	-18.79	0.0	0.0	0.0
11	146	1.79e-06	0.37	-35.13	0.0	0.0	0.0
11	150	0.0	0.20	-18.79	0.0	0.0	0.0
11	151	1.47e-06	0.31	-29.13	0.0	0.0	0.0
11	155	0.0	0.20	-18.79	0.0	0.0	0.0
11	156	1.39e-06	0.29	-27.65	0.0	0.0	0.0
12	1	0.0	0.27	-25.67	0.0	0.0	0.0
12	4	-1.19e-06	0.53	-50.19	0.0	0.0	0.0
12	5	0.0	0.18	-17.54	0.0	0.0	0.0
12	15	0.04	-2.09	-36.80	0.0	0.0	0.0
12	24	0.03	-4.22	-42.64	0.0	0.0	0.0
12	25	-0.03	4.81	-12.67	0.0	0.0	0.0
12	47	0.04	-1.58	-36.33	0.0	0.0	0.0

12	56	0.03	-3.59	-42.59	0.0	0.0	0.0
12	57	-0.03	4.18	-12.72	0.0	0.0	0.0
12	79	0.03	-1.31	-35.33	0.0	0.0	0.0
12	88	0.03	-3.10	-40.94	0.0	0.0	0.0
12	89	-0.03	3.68	-14.37	0.0	0.0	0.0
12	111	0.04	-2.75	-38.75	0.0	0.0	0.0
12	120	0.04	-5.34	-45.52	0.0	0.0	0.0
12	121	-0.04	5.93	-9.79	0.0	0.0	0.0
12	143	0.0	0.20	-18.79	0.0	0.0	0.0
12	146	0.0	0.37	-35.14	0.0	0.0	0.0
12	150	0.0	0.20	-18.79	0.0	0.0	0.0
12	151	0.0	0.31	-29.13	0.0	0.0	0.0
12	155	0.0	0.20	-18.79	0.0	0.0	0.0
12	156	0.0	0.29	-27.65	0.0	0.0	0.0
13	1	1.17e-06	0.12	-13.71	0.0	0.0	0.0
13	4	2.28e-06	0.25	-26.24	0.0	0.0	0.0
13	5	0.0	0.08	-9.39	0.0	0.0	0.0
13	15	0.04	3.32	-54.11	0.0	0.0	0.0
13	23	0.06	3.72	-58.51	0.0	0.0	0.0
13	26	-0.06	-3.45	29.56	0.0	0.0	0.0
13	47	0.04	2.98	-49.72	0.0	0.0	0.0
13	55	0.05	3.23	-52.19	0.0	0.0	0.0
13	58	-0.05	-2.96	23.24	0.0	0.0	0.0
13	79	0.03	2.62	-45.31	0.0	0.0	0.0
13	87	0.05	2.84	-47.41	0.0	0.0	0.0
13	90	-0.05	-2.57	18.46	0.0	0.0	0.0
13	111	0.05	4.04	-63.18	0.0	0.0	0.0
13	119	0.07	4.61	-69.49	0.0	0.0	0.0
13	122	-0.07	-4.34	40.55	0.0	0.0	0.0
13	143	0.0	0.09	-10.04	0.0	0.0	0.0
13	146	1.60e-06	0.17	-18.40	0.0	0.0	0.0
13	150	0.0	0.09	-10.04	0.0	0.0	0.0
13	151	1.31e-06	0.14	-15.21	0.0	0.0	0.0
13	155	0.0	0.09	-10.04	0.0	0.0	0.0
13	156	1.25e-06	0.14	-14.47	0.0	0.0	0.0
14	1	-1.79e-06	0.12	-13.71	0.0	0.0	0.0
14	4	-3.71e-06	0.25	-26.24	0.0	0.0	0.0
14	5	-1.20e-06	0.08	-9.39	0.0	0.0	0.0
14	15	0.04	-1.72	9.74	0.0	0.0	0.0
14	28	0.06	-3.45	29.56	0.0	0.0	0.0
14	29	-0.06	3.72	-58.51	0.0	0.0	0.0
14	47	0.04	-1.32	4.70	0.0	0.0	0.0
14	60	0.05	-2.96	23.25	0.0	0.0	0.0
14	61	-0.05	3.23	-52.19	0.0	0.0	0.0
14	79	0.03	-1.11	2.02	0.0	0.0	0.0
14	92	0.05	-2.57	18.47	0.0	0.0	0.0
14	93	-0.05	2.84	-47.41	0.0	0.0	0.0
14	111	0.05	-2.23	16.29	0.0	0.0	0.0
14	124	0.07	-4.34	40.55	0.0	0.0	0.0
14	125	-0.07	4.61	-69.50	0.0	0.0	0.0
14	143	-1.30e-06	0.09	-10.04	0.0	0.0	0.0
14	146	-2.58e-06	0.17	-18.40	0.0	0.0	0.0
14	150	-1.30e-06	0.09	-10.04	0.0	0.0	0.0
14	151	-2.12e-06	0.14	-15.21	0.0	0.0	0.0
14	155	-1.30e-06	0.09	-10.04	0.0	0.0	0.0
14	156	-2.00e-06	0.14	-14.47	0.0	0.0	0.0
17	1	1.40e-06	0.54	-33.71	0.0	0.0	0.0
17	4	2.81e-06	1.07	-66.25	0.0	0.0	0.0
17	5	0.0	0.37	-23.04	0.0	0.0	0.0
17	15	0.06	8.99	-50.09	0.0	0.0	0.0
17	23	0.07	10.04	-51.52	0.0	0.0	0.0
17	26	-0.07	-8.87	-21.61	0.0	0.0	0.0
17	47	0.07	8.08	-50.44	0.0	0.0	0.0
17	55	0.07	8.74	-51.77	0.0	0.0	0.0
17	58	-0.07	-7.57	-21.36	0.0	0.0	0.0
17	79	0.06	7.14	-48.96	0.0	0.0	0.0
17	87	0.06	7.71	-50.14	0.0	0.0	0.0
17	90	-0.06	-6.54	-22.98	0.0	0.0	0.0
17	111	0.07	10.90	-52.51	0.0	0.0	0.0
17	119	0.08	12.38	-54.32	0.0	0.0	0.0
17	122	-0.08	-11.21	-18.81	0.0	0.0	0.0
17	143	1.02e-06	0.40	-24.67	0.0	0.0	0.0
17	146	1.96e-06	0.75	-46.36	0.0	0.0	0.0
17	150	1.02e-06	0.40	-24.67	0.0	0.0	0.0
17	151	1.61e-06	0.62	-38.54	0.0	0.0	0.0

17	155	1.02e-06	0.40	-24.67	0.0	0.0	0.0
17	156	1.53e-06	0.59	-36.56	0.0	0.0	0.0
29	1	0.0	0.48	-14.59	0.0	0.0	0.0
29	4	-1.31e-06	0.95	-29.18	0.0	0.0	0.0
29	5	0.0	0.33	-9.99	0.0	0.0	0.0
29	15	0.05	9.09	-20.30	0.0	0.0	0.0
29	23	0.06	10.17	-20.71	0.0	0.0	0.0
29	26	-0.06	-9.13	-11.73	0.0	0.0	0.0
29	47	0.05	8.16	-20.15	0.0	0.0	0.0
29	55	0.06	8.84	-20.45	0.0	0.0	0.0
29	58	-0.06	-7.80	-11.98	0.0	0.0	0.0
29	79	0.05	7.21	-19.71	0.0	0.0	0.0
29	87	0.05	7.79	-19.97	0.0	0.0	0.0
29	90	-0.05	-6.75	-12.47	0.0	0.0	0.0
29	111	0.06	11.04	-21.13	0.0	0.0	0.0
29	119	0.07	12.55	-21.69	0.0	0.0	0.0
29	122	-0.07	-11.51	-10.74	0.0	0.0	0.0
29	143	0.0	0.35	-10.69	0.0	0.0	0.0
29	146	0.0	0.66	-20.41	0.0	0.0	0.0
29	150	0.0	0.35	-10.69	0.0	0.0	0.0
29	151	0.0	0.55	-17.14	0.0	0.0	0.0
29	155	0.0	0.35	-10.69	0.0	0.0	0.0
29	156	0.0	0.52	-16.22	0.0	0.0	0.0
36	1	-2.04e-06	0.42	-6.97	0.0	0.0	0.0
36	3	-3.88e-06	0.79	-14.43	0.0	0.0	0.0
36	12	-1.81e-06	0.36	-4.72	0.0	0.0	0.0
36	15	0.06	8.95	-7.31	0.0	0.0	0.0
36	35	0.03	8.95	-7.00	0.0	0.0	0.0
36	38	-0.03	-8.05	-9.19	0.0	0.0	0.0
36	47	0.06	8.03	-7.34	0.0	0.0	0.0
36	67	0.04	8.78	-6.98	0.0	0.0	0.0
36	70	-0.04	-7.87	-9.20	0.0	0.0	0.0
36	79	0.06	7.09	-7.43	0.0	0.0	0.0
36	99	0.03	7.84	-7.11	0.0	0.0	0.0
36	102	-0.03	-6.93	-9.08	0.0	0.0	0.0
36	111	0.07	10.89	-7.16	0.0	0.0	0.0
36	131	0.04	10.59	-6.80	0.0	0.0	0.0
36	134	-0.04	-9.68	-9.38	0.0	0.0	0.0
36	143	-1.49e-06	0.30	-5.11	0.0	0.0	0.0
36	145	-2.71e-06	0.55	-10.08	0.0	0.0	0.0
36	147	-1.77e-06	0.36	-5.07	0.0	0.0	0.0
36	150	-1.49e-06	0.30	-5.11	0.0	0.0	0.0
36	151	-2.35e-06	0.48	-8.59	0.0	0.0	0.0
36	152	-1.55e-06	0.32	-5.10	0.0	0.0	0.0
36	155	-1.49e-06	0.30	-5.11	0.0	0.0	0.0
36	156	-2.22e-06	0.45	-8.09	0.0	0.0	0.0
43	1	-2.16e-06	0.36	-7.80	0.0	0.0	0.0
43	4	-4.33e-06	0.73	-15.94	0.0	0.0	0.0
43	5	-1.47e-06	0.25	-5.34	0.0	0.0	0.0
43	15	0.06	8.90	-6.10	0.0	0.0	0.0
43	23	0.07	9.97	-5.84	0.0	0.0	0.0
43	26	-0.07	-9.17	-12.00	0.0	0.0	0.0
43	47	0.06	7.98	-6.32	0.0	0.0	0.0
43	55	0.07	8.65	-6.17	0.0	0.0	0.0
43	58	-0.07	-7.85	-11.67	0.0	0.0	0.0
43	79	0.06	7.03	-6.63	0.0	0.0	0.0
43	87	0.07	7.61	-6.50	0.0	0.0	0.0
43	90	-0.07	-6.81	-11.34	0.0	0.0	0.0
43	111	0.07	10.84	-5.49	0.0	0.0	0.0
43	119	0.08	12.33	-5.11	0.0	0.0	0.0
43	122	-0.08	-11.53	-12.73	0.0	0.0	0.0
43	143	-1.58e-06	0.27	-5.71	0.0	0.0	0.0
43	146	-3.02e-06	0.51	-11.14	0.0	0.0	0.0
43	150	-1.58e-06	0.27	-5.71	0.0	0.0	0.0
43	151	-2.48e-06	0.42	-9.45	0.0	0.0	0.0
43	155	-1.58e-06	0.27	-5.71	0.0	0.0	0.0
43	156	-2.35e-06	0.40	-8.92	0.0	0.0	0.0
50	1	-1.06e-06	0.24	-9.23	0.0	0.0	0.0
50	4	-2.12e-06	0.49	-18.23	0.0	0.0	0.0
50	5	0.0	0.17	-6.33	0.0	0.0	0.0
50	15	0.05	6.59	-3.75	0.0	0.0	0.0
50	23	0.05	7.39	-3.25	0.0	0.0	0.0
50	26	-0.05	-6.85	-17.03	0.0	0.0	0.0
50	47	0.05	5.91	-4.33	0.0	0.0	0.0
50	55	0.06	6.41	-4.09	0.0	0.0	0.0

50	58	-0.06	-5.87	-16.20	0.0	0.0	0.0
50	79	0.04	5.21	-5.03	0.0	0.0	0.0
50	87	0.05	5.63	-4.83	0.0	0.0	0.0
50	90	-0.05	-5.10	-15.45	0.0	0.0	0.0
50	111	0.05	8.04	-2.33	0.0	0.0	0.0
50	119	0.06	9.15	-1.58	0.0	0.0	0.0
50	122	-0.06	-8.61	-18.70	0.0	0.0	0.0
50	143	0.0	0.18	-6.77	0.0	0.0	0.0
50	146	-1.48e-06	0.34	-12.77	0.0	0.0	0.0
50	150	0.0	0.18	-6.77	0.0	0.0	0.0
50	151	-1.22e-06	0.28	-10.70	0.0	0.0	0.0
50	155	0.0	0.18	-6.77	0.0	0.0	0.0
50	156	-1.15e-06	0.27	-10.14	0.0	0.0	0.0
57	1	0.0	0.21	-13.01	0.0	0.0	0.0
57	4	0.0	0.42	-25.07	0.0	0.0	0.0
57	5	0.0	0.14	-8.92	0.0	0.0	0.0
57	15	0.03	5.78	-5.85	0.0	0.0	0.0
57	23	0.04	6.48	-5.26	0.0	0.0	0.0
57	26	-0.04	-6.03	-22.53	0.0	0.0	0.0
57	47	0.03	5.18	-6.53	0.0	0.0	0.0
57	55	0.05	5.62	-6.25	0.0	0.0	0.0
57	58	-0.05	-5.17	-21.54	0.0	0.0	0.0
57	79	0.03	4.56	-7.42	0.0	0.0	0.0
57	87	0.04	4.94	-7.18	0.0	0.0	0.0
57	90	-0.04	-4.49	-20.61	0.0	0.0	0.0
57	111	0.04	7.05	-4.07	0.0	0.0	0.0
57	119	0.05	8.03	-3.18	0.0	0.0	0.0
57	122	-0.05	-7.57	-24.60	0.0	0.0	0.0
57	143	0.0	0.15	-9.54	0.0	0.0	0.0
57	146	0.0	0.29	-17.58	0.0	0.0	0.0
57	150	0.0	0.15	-9.54	0.0	0.0	0.0
57	151	0.0	0.24	-14.62	0.0	0.0	0.0
57	155	0.0	0.15	-9.54	0.0	0.0	0.0
57	156	0.0	0.23	-13.89	0.0	0.0	0.0
63	1	-1.66e-06	0.26	-25.06	0.0	0.0	0.0
63	4	-3.41e-06	0.52	-47.83	0.0	0.0	0.0
63	5	-1.12e-06	0.17	-17.17	0.0	0.0	0.0
63	15	0.04	-3.56	-7.93	0.0	0.0	0.0
63	28	0.06	-7.16	6.30	0.0	0.0	0.0
63	29	-0.06	7.73	-59.11	0.0	0.0	0.0
63	47	0.04	-2.73	-11.67	0.0	0.0	0.0
63	60	0.06	-6.14	1.58	0.0	0.0	0.0
63	61	-0.06	6.71	-54.40	0.0	0.0	0.0
63	79	0.04	-2.31	-13.72	0.0	0.0	0.0
63	92	0.06	-5.33	-1.97	0.0	0.0	0.0
63	93	-0.06	5.90	-50.85	0.0	0.0	0.0
63	111	0.05	-4.62	-2.97	0.0	0.0	0.0
63	124	0.07	-9.00	14.48	0.0	0.0	0.0
63	125	-0.07	9.56	-67.30	0.0	0.0	0.0
63	143	-1.21e-06	0.19	-18.36	0.0	0.0	0.0
63	146	-2.37e-06	0.36	-33.54	0.0	0.0	0.0
63	150	-1.21e-06	0.19	-18.36	0.0	0.0	0.0
63	151	-1.95e-06	0.30	-27.75	0.0	0.0	0.0
63	155	-1.21e-06	0.19	-18.36	0.0	0.0	0.0
63	156	-1.84e-06	0.28	-26.41	0.0	0.0	0.0
78	1	-1.35e-06	0.54	-33.71	0.0	0.0	0.0
78	4	-2.77e-06	1.07	-66.25	0.0	0.0	0.0
78	5	0.0	0.37	-23.04	0.0	0.0	0.0
78	15	0.06	-4.31	-28.51	0.0	0.0	0.0
78	28	0.07	-8.87	-21.63	0.0	0.0	0.0
78	29	-0.07	10.04	-51.51	0.0	0.0	0.0
78	47	0.07	-3.25	-28.56	0.0	0.0	0.0
78	60	0.07	-7.57	-21.38	0.0	0.0	0.0
78	61	-0.07	8.74	-51.76	0.0	0.0	0.0
78	79	0.06	-2.71	-29.44	0.0	0.0	0.0
78	92	0.06	-6.54	-23.00	0.0	0.0	0.0
78	93	-0.06	7.71	-50.13	0.0	0.0	0.0
78	111	0.07	-5.66	-26.96	0.0	0.0	0.0
78	124	0.08	-11.21	-18.84	0.0	0.0	0.0
78	125	-0.08	12.38	-54.30	0.0	0.0	0.0
78	143	0.0	0.40	-24.68	0.0	0.0	0.0
78	146	-1.93e-06	0.75	-46.37	0.0	0.0	0.0
78	150	0.0	0.40	-24.68	0.0	0.0	0.0
78	151	-1.58e-06	0.62	-38.55	0.0	0.0	0.0
78	155	0.0	0.40	-24.68	0.0	0.0	0.0

78	156	-1.50e-06	0.59	-36.57	0.0	0.0	0.0
90	1	0.0	0.48	-14.59	0.0	0.0	0.0
90	4	1.20e-06	0.95	-29.18	0.0	0.0	0.0
90	5	0.0	0.33	-9.99	0.0	0.0	0.0
90	15	0.05	-4.48	-13.71	0.0	0.0	0.0
90	28	0.06	-9.12	-11.72	0.0	0.0	0.0
90	29	-0.06	10.16	-20.72	0.0	0.0	0.0
90	47	0.05	-3.40	-13.95	0.0	0.0	0.0
90	60	0.06	-7.79	-11.98	0.0	0.0	0.0
90	61	-0.06	8.83	-20.46	0.0	0.0	0.0
90	79	0.05	-2.85	-14.22	0.0	0.0	0.0
90	92	0.05	-6.75	-12.46	0.0	0.0	0.0
90	93	-0.05	7.78	-19.97	0.0	0.0	0.0
90	111	0.06	-5.86	-13.13	0.0	0.0	0.0
90	124	0.07	-11.51	-10.73	0.0	0.0	0.0
90	125	-0.07	12.54	-21.70	0.0	0.0	0.0
90	143	0.0	0.35	-10.69	0.0	0.0	0.0
90	146	0.0	0.66	-20.41	0.0	0.0	0.0
90	150	0.0	0.35	-10.69	0.0	0.0	0.0
90	151	0.0	0.55	-17.14	0.0	0.0	0.0
90	155	0.0	0.35	-10.69	0.0	0.0	0.0
90	156	0.0	0.52	-16.22	0.0	0.0	0.0
97	1	1.91e-06	0.42	-6.97	0.0	0.0	0.0
97	3	3.74e-06	0.79	-14.43	0.0	0.0	0.0
97	12	1.65e-06	0.36	-4.72	0.0	0.0	0.0
97	15	0.06	-4.51	-8.37	0.0	0.0	0.0
97	44	0.03	-8.04	-9.18	0.0	0.0	0.0
97	45	-0.03	8.95	-7.00	0.0	0.0	0.0
97	47	0.06	-3.44	-8.32	0.0	0.0	0.0
97	76	0.04	-7.87	-9.20	0.0	0.0	0.0
97	77	-0.04	8.77	-6.99	0.0	0.0	0.0
97	79	0.06	-2.89	-8.29	0.0	0.0	0.0
97	108	0.03	-6.93	-9.08	0.0	0.0	0.0
97	109	-0.03	7.84	-7.11	0.0	0.0	0.0
97	111	0.07	-5.88	-8.44	0.0	0.0	0.0
97	140	0.04	-9.68	-9.38	0.0	0.0	0.0
97	141	-0.04	10.58	-6.80	0.0	0.0	0.0
97	143	1.39e-06	0.30	-5.11	0.0	0.0	0.0
97	145	2.61e-06	0.55	-10.08	0.0	0.0	0.0
97	147	1.63e-06	0.36	-5.07	0.0	0.0	0.0
97	150	1.39e-06	0.30	-5.11	0.0	0.0	0.0
97	151	2.24e-06	0.48	-8.59	0.0	0.0	0.0
97	152	1.44e-06	0.32	-5.10	0.0	0.0	0.0
97	155	1.39e-06	0.30	-5.11	0.0	0.0	0.0
97	156	2.12e-06	0.45	-8.09	0.0	0.0	0.0
104	1	2.09e-06	0.37	-7.80	0.0	0.0	0.0
104	4	4.30e-06	0.73	-15.94	0.0	0.0	0.0
104	5	1.41e-06	0.25	-5.34	0.0	0.0	0.0
104	15	0.06	-4.57	-10.70	0.0	0.0	0.0
104	28	0.07	-9.17	-12.00	0.0	0.0	0.0
104	29	-0.07	9.97	-5.84	0.0	0.0	0.0
104	47	0.06	-3.50	-10.43	0.0	0.0	0.0
104	60	0.07	-7.85	-11.67	0.0	0.0	0.0
104	61	-0.07	8.65	-6.17	0.0	0.0	0.0
104	79	0.06	-2.95	-10.24	0.0	0.0	0.0
104	92	0.07	-6.81	-11.34	0.0	0.0	0.0
104	93	-0.07	7.61	-6.50	0.0	0.0	0.0
104	111	0.07	-5.94	-11.15	0.0	0.0	0.0
104	124	0.08	-11.53	-12.73	0.0	0.0	0.0
104	125	-0.08	12.33	-5.11	0.0	0.0	0.0
104	143	1.52e-06	0.27	-5.71	0.0	0.0	0.0
104	146	2.99e-06	0.51	-11.14	0.0	0.0	0.0
104	150	1.52e-06	0.27	-5.71	0.0	0.0	0.0
104	151	2.46e-06	0.42	-9.45	0.0	0.0	0.0
104	155	1.52e-06	0.27	-5.71	0.0	0.0	0.0
104	156	2.33e-06	0.40	-8.92	0.0	0.0	0.0
111	1	1.08e-06	0.24	-9.23	0.0	0.0	0.0
111	4	2.22e-06	0.49	-18.24	0.0	0.0	0.0
111	5	0.0	0.17	-6.33	0.0	0.0	0.0
111	15	0.05	-3.43	-14.44	0.0	0.0	0.0
111	28	0.05	-6.85	-17.04	0.0	0.0	0.0
111	29	-0.05	7.39	-3.25	0.0	0.0	0.0
111	47	0.05	-2.63	-13.77	0.0	0.0	0.0
111	60	0.06	-5.87	-16.20	0.0	0.0	0.0
111	61	-0.06	6.41	-4.08	0.0	0.0	0.0

111	79	0.04	-2.22	-13.30	0.0	0.0	0.0
111	92	0.05	-5.10	-15.46	0.0	0.0	0.0
111	93	-0.05	5.63	-4.82	0.0	0.0	0.0
111	111	0.05	-4.45	-15.52	0.0	0.0	0.0
111	124	0.06	-8.61	-18.71	0.0	0.0	0.0
111	125	-0.06	9.14	-1.57	0.0	0.0	0.0
111	143	0.0	0.18	-6.77	0.0	0.0	0.0
111	146	1.55e-06	0.34	-12.77	0.0	0.0	0.0
111	150	0.0	0.18	-6.77	0.0	0.0	0.0
111	151	1.27e-06	0.28	-10.70	0.0	0.0	0.0
111	155	0.0	0.18	-6.77	0.0	0.0	0.0
111	156	1.20e-06	0.27	-10.14	0.0	0.0	0.0
118	1	0.0	0.21	-13.02	0.0	0.0	0.0
118	4	0.0	0.42	-25.07	0.0	0.0	0.0
118	5	0.0	0.14	-8.93	0.0	0.0	0.0
118	15	0.03	-3.02	-19.41	0.0	0.0	0.0
118	28	0.05	-6.03	-22.54	0.0	0.0	0.0
118	29	-0.05	6.48	-5.25	0.0	0.0	0.0
118	47	0.03	-2.32	-18.61	0.0	0.0	0.0
118	60	0.05	-5.17	-21.55	0.0	0.0	0.0
118	61	-0.05	5.62	-6.24	0.0	0.0	0.0
118	79	0.03	-1.96	-18.00	0.0	0.0	0.0
118	92	0.05	-4.49	-20.62	0.0	0.0	0.0
118	93	-0.05	4.94	-7.17	0.0	0.0	0.0
118	111	0.04	-3.91	-20.78	0.0	0.0	0.0
118	124	0.06	-7.57	-24.62	0.0	0.0	0.0
118	125	-0.06	8.02	-3.17	0.0	0.0	0.0
118	143	0.0	0.15	-9.54	0.0	0.0	0.0
118	146	0.0	0.29	-17.58	0.0	0.0	0.0
118	150	0.0	0.15	-9.54	0.0	0.0	0.0
118	151	0.0	0.24	-14.62	0.0	0.0	0.0
118	155	0.0	0.15	-9.54	0.0	0.0	0.0
118	156	0.0	0.23	-13.89	0.0	0.0	0.0
126	1	1.67e-06	0.26	-25.06	0.0	0.0	0.0
126	4	3.34e-06	0.52	-47.83	0.0	0.0	0.0
126	5	1.13e-06	0.17	-17.17	0.0	0.0	0.0
126	15	0.04	6.89	-56.03	0.0	0.0	0.0
126	23	0.06	7.73	-59.11	0.0	0.0	0.0
126	26	-0.06	-7.16	6.29	0.0	0.0	0.0
126	47	0.04	6.18	-52.76	0.0	0.0	0.0
126	55	0.06	6.71	-54.39	0.0	0.0	0.0
126	58	-0.06	-6.15	1.57	0.0	0.0	0.0
126	79	0.04	5.44	-49.46	0.0	0.0	0.0
126	87	0.06	5.90	-50.85	0.0	0.0	0.0
126	90	-0.06	-5.34	-1.97	0.0	0.0	0.0
126	111	0.05	8.39	-62.81	0.0	0.0	0.0
126	119	0.07	9.57	-67.29	0.0	0.0	0.0
126	122	-0.07	-9.00	14.47	0.0	0.0	0.0
126	143	1.22e-06	0.19	-18.36	0.0	0.0	0.0
126	146	2.33e-06	0.36	-33.54	0.0	0.0	0.0
126	150	1.22e-06	0.19	-18.36	0.0	0.0	0.0
126	151	1.92e-06	0.30	-27.75	0.0	0.0	0.0
126	155	1.22e-06	0.19	-18.36	0.0	0.0	0.0
126	156	1.82e-06	0.28	-26.41	0.0	0.0	0.0
150	1	0.02	-0.47	-23.66	0.0	0.0	0.0
150	4	0.04	-0.92	-41.58	0.0	0.0	0.0
150	5	0.01	-0.32	-16.54	0.0	0.0	0.0
150	15	-0.90	6.71	24.05	0.0	0.0	0.0
150	16	-0.92	3.54	26.78	0.0	0.0	0.0
150	17	0.96	-4.55	-74.36	0.0	0.0	0.0
150	47	-0.76	5.94	16.61	0.0	0.0	0.0
150	48	-0.79	2.64	19.45	0.0	0.0	0.0
150	49	0.82	-3.65	-67.03	0.0	0.0	0.0
150	79	-0.66	5.14	11.29	0.0	0.0	0.0
150	80	-0.68	2.19	13.82	0.0	0.0	0.0
150	81	0.72	-3.20	-61.40	0.0	0.0	0.0
150	111	-1.13	8.35	35.92	0.0	0.0	0.0
150	112	-1.15	4.66	39.09	0.0	0.0	0.0
150	113	1.19	-5.67	-86.67	0.0	0.0	0.0
150	143	0.01	-0.34	-17.48	0.0	0.0	0.0
150	146	0.03	-0.64	-29.42	0.0	0.0	0.0
150	150	0.01	-0.34	-17.48	0.0	0.0	0.0
150	151	0.02	-0.53	-24.84	0.0	0.0	0.0
150	155	0.01	-0.34	-17.48	0.0	0.0	0.0
150	156	0.02	-0.50	-23.79	0.0	0.0	0.0

157	1	0.01	-0.45	-18.58	0.0	0.0	0.0
157	4	0.02	-0.89	-31.57	0.0	0.0	0.0
157	5	7.91e-03	-0.31	-13.07	0.0	0.0	0.0
157	15	-0.48	6.46	15.24	0.0	0.0	0.0
157	19	-0.49	6.31	16.37	0.0	0.0	0.0
157	22	0.52	-7.28	-52.96	0.0	0.0	0.0
157	47	-0.41	5.73	10.08	0.0	0.0	0.0
157	51	-0.42	5.58	11.32	0.0	0.0	0.0
157	54	0.44	-6.55	-47.91	0.0	0.0	0.0
157	79	-0.35	4.96	6.36	0.0	0.0	0.0
157	83	-0.36	4.82	7.46	0.0	0.0	0.0
157	86	0.39	-5.80	-44.05	0.0	0.0	0.0
157	111	-0.60	8.03	23.53	0.0	0.0	0.0
157	115	-0.61	7.85	24.83	0.0	0.0	0.0
157	118	0.64	-8.82	-61.42	0.0	0.0	0.0
157	143	8.51e-03	-0.33	-13.76	0.0	0.0	0.0
157	146	0.02	-0.62	-22.42	0.0	0.0	0.0
157	150	8.51e-03	-0.33	-13.76	0.0	0.0	0.0
157	151	0.01	-0.51	-19.05	0.0	0.0	0.0
157	155	8.51e-03	-0.33	-13.76	0.0	0.0	0.0
157	156	0.01	-0.49	-18.29	0.0	0.0	0.0
164	1	7.39e-03	-0.44	-15.11	0.0	0.0	0.0
164	4	0.02	-0.87	-24.62	0.0	0.0	0.0
164	5	4.98e-03	-0.30	-10.72	0.0	0.0	0.0
164	15	-0.34	6.37	23.10	0.0	0.0	0.0
164	19	-0.34	6.22	23.20	0.0	0.0	0.0
164	22	0.36	-7.17	-52.23	0.0	0.0	0.0
164	47	-0.29	5.66	17.71	0.0	0.0	0.0
164	51	-0.29	5.51	17.81	0.0	0.0	0.0
164	54	0.31	-6.46	-46.84	0.0	0.0	0.0
164	79	-0.25	4.90	13.52	0.0	0.0	0.0
164	83	-0.25	4.76	13.62	0.0	0.0	0.0
164	86	0.27	-5.71	-42.64	0.0	0.0	0.0
164	111	-0.43	7.93	32.24	0.0	0.0	0.0
164	115	-0.43	7.74	32.36	0.0	0.0	0.0
164	118	0.44	-8.69	-61.39	0.0	0.0	0.0
164	143	5.38e-03	-0.32	-11.23	0.0	0.0	0.0
164	146	0.01	-0.61	-17.57	0.0	0.0	0.0
164	150	5.38e-03	-0.32	-11.23	0.0	0.0	0.0
164	151	8.79e-03	-0.50	-15.06	0.0	0.0	0.0
164	155	5.38e-03	-0.32	-11.23	0.0	0.0	0.0
164	156	8.31e-03	-0.48	-14.51	0.0	0.0	0.0
171	1	5.07e-03	-0.43	-12.41	0.0	0.0	0.0
171	4	0.01	-0.85	-19.01	0.0	0.0	0.0
171	5	3.43e-03	-0.29	-8.91	0.0	0.0	0.0
171	15	-0.39	6.27	41.23	0.0	0.0	0.0
171	19	-0.39	6.11	41.30	0.0	0.0	0.0
171	22	0.40	-7.04	-64.33	0.0	0.0	0.0
171	47	-0.33	5.57	33.80	0.0	0.0	0.0
171	51	-0.33	5.42	33.88	0.0	0.0	0.0
171	54	0.35	-6.35	-56.91	0.0	0.0	0.0
171	79	-0.29	4.82	27.93	0.0	0.0	0.0
171	83	-0.29	4.69	28.01	0.0	0.0	0.0
171	86	0.30	-5.62	-51.04	0.0	0.0	0.0
171	111	-0.49	7.79	53.99	0.0	0.0	0.0
171	115	-0.49	7.60	54.07	0.0	0.0	0.0
171	118	0.50	-8.53	-77.10	0.0	0.0	0.0
171	143	3.70e-03	-0.31	-9.27	0.0	0.0	0.0
171	146	7.36e-03	-0.60	-13.67	0.0	0.0	0.0
171	150	3.70e-03	-0.31	-9.27	0.0	0.0	0.0
171	151	6.09e-03	-0.49	-11.89	0.0	0.0	0.0
171	155	3.70e-03	-0.31	-9.27	0.0	0.0	0.0
171	156	5.75e-03	-0.47	-11.52	0.0	0.0	0.0
178	1	4.78e-03	-0.09	-7.93	0.0	0.0	0.0
178	4	9.13e-03	-0.42	-11.12	0.0	0.0	0.0
178	5	3.31e-03	-0.04	-5.79	0.0	0.0	0.0
178	15	-0.76	6.09	87.15	0.0	0.0	0.0
178	19	-0.77	5.93	87.39	0.0	0.0	0.0
178	22	0.78	-6.28	-101.45	0.0	0.0	0.0
178	47	-0.65	5.45	73.89	0.0	0.0	0.0
178	51	-0.66	5.30	74.13	0.0	0.0	0.0
178	54	0.67	-5.65	-88.18	0.0	0.0	0.0
178	79	-0.57	4.75	63.41	0.0	0.0	0.0
178	83	-0.57	4.62	63.62	0.0	0.0	0.0
178	86	0.58	-4.97	-77.68	0.0	0.0	0.0

178	111	-0.95	7.49	109.92	0.0	0.0	0.0
178	115	-0.96	7.30	110.21	0.0	0.0	0.0
178	118	0.97	-7.66	-124.26	0.0	0.0	0.0
178	143	3.52e-03	-0.05	-5.96	0.0	0.0	0.0
178	146	6.42e-03	-0.27	-8.09	0.0	0.0	0.0
178	150	3.52e-03	-0.05	-5.96	0.0	0.0	0.0
178	151	5.44e-03	-0.20	-7.20	0.0	0.0	0.0
178	155	3.52e-03	-0.05	-5.96	0.0	0.0	0.0
178	156	5.16e-03	-0.18	-7.03	0.0	0.0	0.0
191	1	0.05	-0.01	-4.15	0.0	0.0	0.0
191	7	0.08	-0.02	-2.37	0.0	0.0	0.0
191	9	0.05	-0.01	-4.48	0.0	0.0	0.0
191	15	10.44	-0.08	18.95	0.0	0.0	0.0
191	23	9.16	-0.08	21.58	0.0	0.0	0.0
191	26	-9.05	0.05	-27.31	0.0	0.0	0.0
191	47	9.08	-0.07	16.60	0.0	0.0	0.0
191	67	0.63	-7.32e-03	18.46	0.0	0.0	0.0
191	70	-0.52	-0.02	-24.19	0.0	0.0	0.0
191	79	7.94	-0.06	14.17	0.0	0.0	0.0
191	99	0.52	-7.44e-03	16.05	0.0	0.0	0.0
191	102	-0.41	-0.02	-21.78	0.0	0.0	0.0
191	111	12.94	-0.09	23.92	0.0	0.0	0.0
191	119	11.56	-0.10	27.65	0.0	0.0	0.0
191	122	-11.45	0.07	-33.38	0.0	0.0	0.0
191	143	0.04	-8.99e-03	-3.21	0.0	0.0	0.0
191	145	0.06	-0.02	-2.64	0.0	0.0	0.0
191	147	0.04	-0.01	-3.43	0.0	0.0	0.0
191	150	0.04	-8.99e-03	-3.21	0.0	0.0	0.0
191	151	0.06	-0.01	-2.81	0.0	0.0	0.0
191	152	0.04	-9.34e-03	-3.25	0.0	0.0	0.0
191	155	0.04	-8.99e-03	-3.21	0.0	0.0	0.0
191	156	0.05	-0.01	-2.86	0.0	0.0	0.0
198	1	0.04	-3.29e-03	-3.58	0.0	0.0	0.0
198	7	0.07	-5.15e-03	-1.55	0.0	0.0	0.0
198	9	0.04	-3.96e-03	-3.87	0.0	0.0	0.0
198	15	10.22	-1.04e-03	-95.54	0.0	0.0	0.0
198	16	11.22	-0.02	-105.45	0.0	0.0	0.0
198	17	-11.12	0.01	100.90	0.0	0.0	0.0
198	47	8.89	1.49e-04	-80.80	0.0	0.0	0.0
198	48	9.95	-0.02	-91.19	0.0	0.0	0.0
198	49	-9.86	0.01	86.64	0.0	0.0	0.0
198	79	7.76	-9.67e-05	-70.44	0.0	0.0	0.0
198	80	8.72	-0.02	-79.71	0.0	0.0	0.0
198	81	-8.62	0.01	75.16	0.0	0.0	0.0
198	111	12.66	-9.96e-04	-118.80	0.0	0.0	0.0
198	112	13.81	-0.02	-130.29	0.0	0.0	0.0
198	113	-13.72	0.02	125.74	0.0	0.0	0.0
198	143	0.03	-2.41e-03	-2.78	0.0	0.0	0.0
198	145	0.06	-4.35e-03	-1.93	0.0	0.0	0.0
198	147	0.03	-2.85e-03	-2.98	0.0	0.0	0.0
198	150	0.03	-2.41e-03	-2.78	0.0	0.0	0.0
198	151	0.05	-3.76e-03	-2.19	0.0	0.0	0.0
198	152	0.03	-2.50e-03	-2.82	0.0	0.0	0.0
198	155	0.03	-2.41e-03	-2.78	0.0	0.0	0.0
198	156	0.05	-3.57e-03	-2.27	0.0	0.0	0.0
211	1	1.46	-0.01	-18.26	0.0	0.0	0.0
211	4	2.68	-0.02	-31.78	0.0	0.0	0.0
211	5	1.01	-8.08e-03	-12.79	0.0	0.0	0.0
211	15	19.28	-0.05	-140.21	0.0	0.0	0.0
211	19	20.38	-0.05	-140.50	0.0	0.0	0.0
211	22	-17.35	0.03	104.01	0.0	0.0	0.0
211	47	16.85	-0.05	-122.17	0.0	0.0	0.0
211	51	18.04	-0.05	-122.45	0.0	0.0	0.0
211	54	-15.01	0.02	85.96	0.0	0.0	0.0
211	79	14.88	-0.04	-108.60	0.0	0.0	0.0
211	83	15.95	-0.04	-108.85	0.0	0.0	0.0
211	86	-12.92	0.02	72.36	0.0	0.0	0.0
211	111	23.58	-0.06	-170.05	0.0	0.0	0.0
211	115	24.84	-0.06	-170.41	0.0	0.0	0.0
211	118	-21.82	0.04	133.92	0.0	0.0	0.0
211	143	1.08	-8.69e-03	-13.50	0.0	0.0	0.0
211	146	1.89	-0.02	-22.51	0.0	0.0	0.0
211	150	1.08	-8.69e-03	-13.50	0.0	0.0	0.0
211	151	1.58	-0.01	-19.04	0.0	0.0	0.0
211	155	1.08	-8.69e-03	-13.50	0.0	0.0	0.0

211	156	1.51	-0.01	-18.24	0.0	0.0	0.0
225	1	-1.46	-0.01	-18.26	0.0	0.0	0.0
225	4	-2.68	-0.02	-31.77	0.0	0.0	0.0
225	5	-1.01	-8.08e-03	-12.79	0.0	0.0	0.0
225	15	16.25	0.04	100.29	0.0	0.0	0.0
225	16	17.36	0.03	104.02	0.0	0.0	0.0
225	17	-20.38	-0.05	-140.50	0.0	0.0	0.0
225	47	13.82	0.04	82.12	0.0	0.0	0.0
225	48	15.02	0.02	85.97	0.0	0.0	0.0
225	49	-18.04	-0.05	-122.45	0.0	0.0	0.0
225	79	11.85	0.03	68.94	0.0	0.0	0.0
225	80	12.93	0.02	72.37	0.0	0.0	0.0
225	81	-15.95	-0.04	-108.85	0.0	0.0	0.0
225	111	20.54	0.05	129.57	0.0	0.0	0.0
225	112	21.82	0.04	133.93	0.0	0.0	0.0
225	113	-24.84	-0.06	-170.42	0.0	0.0	0.0
225	143	-1.08	-8.69e-03	-13.50	0.0	0.0	0.0
225	146	-1.89	-0.02	-22.51	0.0	0.0	0.0
225	150	-1.08	-8.69e-03	-13.50	0.0	0.0	0.0
225	151	-1.58	-0.01	-19.03	0.0	0.0	0.0
225	155	-1.08	-8.69e-03	-13.50	0.0	0.0	0.0
225	156	-1.51	-0.01	-18.24	0.0	0.0	0.0
249	1	-0.02	-0.47	-23.66	0.0	0.0	0.0
249	4	-0.04	-0.92	-41.58	0.0	0.0	0.0
249	5	-0.01	-0.32	-16.54	0.0	0.0	0.0
249	15	-0.94	-4.70	-74.00	0.0	0.0	0.0
249	19	-0.96	-4.55	-74.35	0.0	0.0	0.0
249	22	0.92	3.54	26.77	0.0	0.0	0.0
249	47	-0.80	-3.79	-66.70	0.0	0.0	0.0
249	51	-0.82	-3.65	-67.02	0.0	0.0	0.0
249	54	0.78	2.64	19.44	0.0	0.0	0.0
249	79	-0.70	-3.33	-61.11	0.0	0.0	0.0
249	83	-0.72	-3.20	-61.40	0.0	0.0	0.0
249	86	0.68	2.19	13.82	0.0	0.0	0.0
249	111	-1.17	-5.85	-86.24	0.0	0.0	0.0
249	115	-1.19	-5.67	-86.66	0.0	0.0	0.0
249	118	1.15	4.66	39.08	0.0	0.0	0.0
249	143	-0.01	-0.34	-17.48	0.0	0.0	0.0
249	146	-0.03	-0.64	-29.42	0.0	0.0	0.0
249	150	-0.01	-0.34	-17.48	0.0	0.0	0.0
249	151	-0.02	-0.53	-24.84	0.0	0.0	0.0
249	155	-0.01	-0.34	-17.48	0.0	0.0	0.0
249	156	-0.02	-0.50	-23.79	0.0	0.0	0.0
256	1	-0.01	-0.45	-18.58	0.0	0.0	0.0
256	4	-0.02	-0.89	-31.57	0.0	0.0	0.0
256	5	-7.92e-03	-0.31	-13.07	0.0	0.0	0.0
256	15	-0.51	-4.41	-51.81	0.0	0.0	0.0
256	16	-0.52	-7.28	-52.96	0.0	0.0	0.0
256	17	0.49	6.31	16.37	0.0	0.0	0.0
256	47	-0.43	-3.54	-46.66	0.0	0.0	0.0
256	48	-0.44	-6.55	-47.90	0.0	0.0	0.0
256	49	0.42	5.58	11.32	0.0	0.0	0.0
256	79	-0.38	-3.11	-42.93	0.0	0.0	0.0
256	80	-0.39	-5.80	-44.04	0.0	0.0	0.0
256	81	0.36	4.82	7.46	0.0	0.0	0.0
256	111	-0.63	-5.49	-60.11	0.0	0.0	0.0
256	112	-0.64	-8.82	-61.41	0.0	0.0	0.0
256	113	0.61	7.85	24.82	0.0	0.0	0.0
256	143	-8.52e-03	-0.33	-13.76	0.0	0.0	0.0
256	146	-0.02	-0.62	-22.42	0.0	0.0	0.0
256	150	-8.52e-03	-0.33	-13.76	0.0	0.0	0.0
256	151	-0.01	-0.51	-19.05	0.0	0.0	0.0
256	155	-8.52e-03	-0.33	-13.76	0.0	0.0	0.0
256	156	-0.01	-0.49	-18.29	0.0	0.0	0.0
263	1	-7.41e-03	-0.44	-15.11	0.0	0.0	0.0
263	4	-0.02	-0.87	-24.62	0.0	0.0	0.0
263	5	-5.00e-03	-0.30	-10.72	0.0	0.0	0.0
263	15	-0.35	-4.30	-49.96	0.0	0.0	0.0
263	16	-0.36	-7.17	-52.23	0.0	0.0	0.0
263	17	0.34	6.22	23.20	0.0	0.0	0.0
263	47	-0.30	-3.45	-44.45	0.0	0.0	0.0
263	48	-0.31	-6.46	-46.84	0.0	0.0	0.0
263	49	0.29	5.51	17.81	0.0	0.0	0.0
263	79	-0.26	-3.02	-40.51	0.0	0.0	0.0
263	80	-0.27	-5.71	-42.64	0.0	0.0	0.0

263	81	0.25	4.76	13.62	0.0	0.0	0.0
263	111	-0.43	-5.36	-58.75	0.0	0.0	0.0
263	112	-0.44	-8.69	-61.39	0.0	0.0	0.0
263	113	0.43	7.74	32.36	0.0	0.0	0.0
263	143	-5.39e-03	-0.32	-11.23	0.0	0.0	0.0
263	146	-0.01	-0.61	-17.57	0.0	0.0	0.0
263	150	-5.39e-03	-0.32	-11.23	0.0	0.0	0.0
263	151	-8.81e-03	-0.50	-15.06	0.0	0.0	0.0
263	155	-5.39e-03	-0.32	-11.23	0.0	0.0	0.0
263	156	-8.32e-03	-0.48	-14.51	0.0	0.0	0.0
270	1	-5.09e-03	-0.43	-12.41	0.0	0.0	0.0
270	4	-0.01	-0.85	-19.01	0.0	0.0	0.0
270	5	-3.44e-03	-0.29	-8.91	0.0	0.0	0.0
270	15	-0.39	-4.18	-59.75	0.0	0.0	0.0
270	16	-0.40	-7.04	-64.33	0.0	0.0	0.0
270	17	0.39	6.11	41.30	0.0	0.0	0.0
270	47	-0.33	-3.34	-52.13	0.0	0.0	0.0
270	48	-0.35	-6.35	-56.91	0.0	0.0	0.0
270	49	0.33	5.42	33.88	0.0	0.0	0.0
270	79	-0.29	-2.93	-46.76	0.0	0.0	0.0
270	80	-0.30	-5.62	-51.04	0.0	0.0	0.0
270	81	0.29	4.69	28.01	0.0	0.0	0.0
270	111	-0.48	-5.21	-71.76	0.0	0.0	0.0
270	112	-0.50	-8.54	-77.10	0.0	0.0	0.0
270	113	0.49	7.60	54.07	0.0	0.0	0.0
270	143	-3.71e-03	-0.31	-9.27	0.0	0.0	0.0
270	146	-7.38e-03	-0.60	-13.67	0.0	0.0	0.0
270	150	-3.71e-03	-0.31	-9.27	0.0	0.0	0.0
270	151	-6.11e-03	-0.49	-11.89	0.0	0.0	0.0
270	155	-3.71e-03	-0.31	-9.27	0.0	0.0	0.0
270	156	-5.77e-03	-0.47	-11.52	0.0	0.0	0.0
277	1	-4.79e-03	-0.09	-7.93	0.0	0.0	0.0
277	4	-9.15e-03	-0.42	-11.12	0.0	0.0	0.0
277	5	-3.32e-03	-0.04	-5.79	0.0	0.0	0.0
277	15	-0.74	-3.47	-91.60	0.0	0.0	0.0
277	16	-0.78	-6.28	-101.45	0.0	0.0	0.0
277	17	0.77	5.93	87.40	0.0	0.0	0.0
277	47	-0.63	-2.70	-77.97	0.0	0.0	0.0
277	48	-0.67	-5.65	-88.19	0.0	0.0	0.0
277	49	0.66	5.30	74.13	0.0	0.0	0.0
277	79	-0.54	-2.34	-68.56	0.0	0.0	0.0
277	80	-0.58	-4.97	-77.68	0.0	0.0	0.0
277	81	0.57	4.62	63.63	0.0	0.0	0.0
277	111	-0.92	-4.40	-112.78	0.0	0.0	0.0
277	112	-0.97	-7.66	-124.27	0.0	0.0	0.0
277	113	0.96	7.30	110.21	0.0	0.0	0.0
277	143	-3.53e-03	-0.05	-5.97	0.0	0.0	0.0
277	146	-6.43e-03	-0.27	-8.09	0.0	0.0	0.0
277	150	-3.53e-03	-0.05	-5.97	0.0	0.0	0.0
277	151	-5.45e-03	-0.20	-7.21	0.0	0.0	0.0
277	155	-3.53e-03	-0.05	-5.97	0.0	0.0	0.0
277	156	-5.18e-03	-0.18	-7.03	0.0	0.0	0.0
290	1	-0.05	-0.01	-4.15	0.0	0.0	0.0
290	7	-0.08	-0.02	-2.37	0.0	0.0	0.0
290	9	-0.05	-0.01	-4.48	0.0	0.0	0.0
290	15	11.30	0.06	-15.71	0.0	0.0	0.0
290	28	9.05	0.05	-27.32	0.0	0.0	0.0
290	29	-9.16	-0.08	21.59	0.0	0.0	0.0
290	47	10.02	0.05	-12.98	0.0	0.0	0.0
290	76	0.53	-0.02	-24.19	0.0	0.0	0.0
290	77	-0.64	-7.28e-03	18.46	0.0	0.0	0.0
290	79	8.76	0.05	-11.56	0.0	0.0	0.0
290	108	0.42	-0.02	-21.79	0.0	0.0	0.0
290	109	-0.52	-7.40e-03	16.05	0.0	0.0	0.0
290	111	13.94	0.08	-19.22	0.0	0.0	0.0
290	124	11.46	0.07	-33.39	0.0	0.0	0.0
290	125	-11.56	-0.10	27.65	0.0	0.0	0.0
290	143	-0.04	-8.99e-03	-3.21	0.0	0.0	0.0
290	145	-0.06	-0.02	-2.64	0.0	0.0	0.0
290	147	-0.04	-0.01	-3.43	0.0	0.0	0.0
290	150	-0.04	-8.99e-03	-3.21	0.0	0.0	0.0
290	151	-0.06	-0.01	-2.81	0.0	0.0	0.0
290	152	-0.04	-9.34e-03	-3.25	0.0	0.0	0.0
290	155	-0.04	-8.99e-03	-3.21	0.0	0.0	0.0
290	156	-0.05	-0.01	-2.87	0.0	0.0	0.0

297	1	-0.04	-3.29e-03	-3.58	0.0	0.0	0.0
297	7	-0.07	-5.15e-03	-1.55	0.0	0.0	0.0
297	9	-0.04	-3.96e-03	-3.87	0.0	0.0	0.0
297	15	11.04	0.01	99.45	0.0	0.0	0.0
297	19	11.12	0.01	100.88	0.0	0.0	0.0
297	22	-11.21	-0.02	-105.43	0.0	0.0	0.0
297	47	9.79	0.01	85.30	0.0	0.0	0.0
297	51	9.86	0.01	86.62	0.0	0.0	0.0
297	54	-9.95	-0.02	-91.17	0.0	0.0	0.0
297	79	8.56	0.01	73.98	0.0	0.0	0.0
297	83	8.62	0.01	75.15	0.0	0.0	0.0
297	86	-8.71	-0.02	-79.70	0.0	0.0	0.0
297	111	13.62	0.02	123.97	0.0	0.0	0.0
297	115	13.72	0.02	125.72	0.0	0.0	0.0
297	118	-13.81	-0.02	-130.27	0.0	0.0	0.0
297	143	-0.03	-2.41e-03	-2.78	0.0	0.0	0.0
297	145	-0.06	-4.35e-03	-1.94	0.0	0.0	0.0
297	147	-0.03	-2.85e-03	-2.98	0.0	0.0	0.0
297	150	-0.03	-2.41e-03	-2.78	0.0	0.0	0.0
297	151	-0.05	-3.76e-03	-2.19	0.0	0.0	0.0
297	152	-0.03	-2.50e-03	-2.82	0.0	0.0	0.0
297	155	-0.03	-2.41e-03	-2.78	0.0	0.0	0.0
297	156	-0.05	-3.57e-03	-2.28	0.0	0.0	0.0
432	1	0.0	0.26	-21.28	0.0	0.0	0.0
432	4	1.29e-06	0.52	-40.67	0.0	0.0	0.0
432	5	0.0	0.17	-14.59	0.0	0.0	0.0
432	15	0.05	7.19	-24.30	0.0	0.0	0.0
432	27	0.06	7.92	-24.55	0.0	0.0	0.0
432	30	-0.06	-7.35	-20.42	0.0	0.0	0.0
432	47	0.05	6.44	-24.48	0.0	0.0	0.0
432	59	0.06	6.86	-24.76	0.0	0.0	0.0
432	62	-0.06	-6.29	-20.20	0.0	0.0	0.0
432	79	0.05	5.67	-24.28	0.0	0.0	0.0
432	87	0.06	6.15	-24.53	0.0	0.0	0.0
432	90	-0.06	-5.58	-20.43	0.0	0.0	0.0
432	111	0.06	8.76	-24.57	0.0	0.0	0.0
432	123	0.07	9.81	-24.83	0.0	0.0	0.0
432	126	-0.07	-9.24	-20.13	0.0	0.0	0.0
432	143	0.0	0.19	-15.60	0.0	0.0	0.0
432	146	0.0	0.36	-28.52	0.0	0.0	0.0
432	150	0.0	0.19	-15.60	0.0	0.0	0.0
432	151	0.0	0.30	-23.63	0.0	0.0	0.0
432	155	0.0	0.19	-15.60	0.0	0.0	0.0
432	156	0.0	0.28	-22.48	0.0	0.0	0.0
437	1	0.0	0.26	-21.28	0.0	0.0	0.0
437	4	-1.15e-06	0.52	-40.67	0.0	0.0	0.0
437	5	0.0	0.17	-14.59	0.0	0.0	0.0
437	15	0.05	-3.74	-21.35	0.0	0.0	0.0
437	24	0.06	-7.35	-20.42	0.0	0.0	0.0
437	25	-0.06	7.92	-24.55	0.0	0.0	0.0
437	47	0.05	-2.87	-21.26	0.0	0.0	0.0
437	56	0.06	-6.29	-20.20	0.0	0.0	0.0
437	57	-0.06	6.86	-24.76	0.0	0.0	0.0
437	79	0.05	-2.42	-21.38	0.0	0.0	0.0
437	92	0.05	-5.58	-20.44	0.0	0.0	0.0
437	93	-0.05	6.15	-24.53	0.0	0.0	0.0
437	111	0.06	-4.84	-21.17	0.0	0.0	0.0
437	120	0.07	-9.24	-20.13	0.0	0.0	0.0
437	121	-0.07	9.81	-24.83	0.0	0.0	0.0
437	143	0.0	0.19	-15.60	0.0	0.0	0.0
437	146	0.0	0.36	-28.52	0.0	0.0	0.0
437	150	0.0	0.19	-15.60	0.0	0.0	0.0
437	151	0.0	0.30	-23.63	0.0	0.0	0.0
437	155	0.0	0.19	-15.60	0.0	0.0	0.0
437	156	0.0	0.28	-22.48	0.0	0.0	0.0

Nodo	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
	-24.84	-11.53	-224.87	0.0	0.0	0.0
	24.84	12.55	202.35	0.0	0.0	0.0

Nodo	Cmb	Azione X kN	Azione Y kN	Azione Z kN	Azione RX kN m	Azione RY kN m	Azione RZ kN m
1	118	-5.40	-3.87	-188.67	0.0	0.0	0.0
	115	5.46	2.91	181.12	0.0	0.0	0.0

	1	0.03	-0.51	-4.76	0.0	0.0	0.0
	1	0.03	-0.51	-4.76	0.0	0.0	0.0
	1	0.03	-0.51	-4.76	0.0	0.0	0.0
	1	0.03	-0.51	-4.76	0.0	0.0	0.0
2	112	6.56	-0.01	-144.28	0.0	0.0	0.0
	113	-6.52	0.03	142.06	0.0	0.0	0.0
	1	0.02	6.41e-03	-1.76	0.0	0.0	0.0
	1	0.02	6.41e-03	-1.76	0.0	0.0	0.0
	1	0.02	6.41e-03	-1.76	0.0	0.0	0.0
	1	0.02	6.41e-03	-1.76	0.0	0.0	0.0
3	118	-6.56	-0.01	-144.25	0.0	0.0	0.0
	115	6.52	0.03	142.03	0.0	0.0	0.0
	1	-0.02	6.43e-03	-1.76	0.0	0.0	0.0
	1	-0.02	6.43e-03	-1.76	0.0	0.0	0.0
	1	-0.02	6.43e-03	-1.76	0.0	0.0	0.0
	1	-0.02	6.43e-03	-1.76	0.0	0.0	0.0
4	112	5.40	-3.87	-188.69	0.0	0.0	0.0
	113	-5.46	2.91	181.13	0.0	0.0	0.0
	1	-0.03	-0.51	-4.76	0.0	0.0	0.0
	1	-0.03	-0.51	-4.76	0.0	0.0	0.0
	1	-0.03	-0.51	-4.76	0.0	0.0	0.0
5	115	10.78	-5.42	-187.02	0.0	0.0	0.0
	118	-9.30	4.30	103.44	0.0	0.0	0.0
	1	0.75	-0.52	-40.89	0.0	0.0	0.0
	1	0.75	-0.52	-40.89	0.0	0.0	0.0
	1	0.75	-0.52	-40.89	0.0	0.0	0.0
	1	0.75	-0.52	-40.89	0.0	0.0	0.0
6	113	-10.78	-5.42	-187.04	0.0	0.0	0.0
	112	9.30	4.30	103.46	0.0	0.0	0.0
	1	-0.75	-0.52	-40.89	0.0	0.0	0.0
	1	-0.75	-0.52	-40.89	0.0	0.0	0.0
	1	-0.75	-0.52	-40.89	0.0	0.0	0.0
	1	-0.75	-0.52	-40.89	0.0	0.0	0.0
7	115	11.54	0.01	-224.85	0.0	0.0	0.0
	118	-11.12	3.56e-04	202.33	0.0	0.0	0.0
	1	0.19	6.10e-03	-11.29	0.0	0.0	0.0
	1	0.19	6.10e-03	-11.29	0.0	0.0	0.0
	1	0.19	6.10e-03	-11.29	0.0	0.0	0.0
	1	0.19	6.10e-03	-11.29	0.0	0.0	0.0
8	113	-11.54	0.01	-224.87	0.0	0.0	0.0
	112	11.13	6.61e-04	202.35	0.0	0.0	0.0
	1	-0.19	6.16e-03	-11.29	0.0	0.0	0.0
	1	-0.19	6.16e-03	-11.29	0.0	0.0	0.0
	1	-0.19	6.16e-03	-11.29	0.0	0.0	0.0
	1	-0.19	6.16e-03	-11.29	0.0	0.0	0.0
9	129	0.36	1.98	-56.00	0.0	0.0	0.0
	128	-0.32	-2.54	12.22	0.0	0.0	0.0
	1	0.02	-0.26	-21.13	0.0	0.0	0.0
	1	0.02	-0.26	-21.13	0.0	0.0	0.0
	1	0.02	-0.26	-21.13	0.0	0.0	0.0
	1	0.02	-0.26	-21.13	0.0	0.0	0.0
10	135	-0.36	1.98	-55.99	0.0	0.0	0.0
	138	0.32	-2.54	12.22	0.0	0.0	0.0
	1	-0.02	-0.26	-21.13	0.0	0.0	0.0
	1	-0.02	-0.26	-21.13	0.0	0.0	0.0
	1	-0.02	-0.26	-21.13	0.0	0.0	0.0
	1	-0.02	-0.26	-21.13	0.0	0.0	0.0
11	4	2.56e-06	0.53	-50.19	0.0	0.0	0.0
	123	0.04	5.93	-9.80	0.0	0.0	0.0
	1	1.25e-06	0.27	-25.67	0.0	0.0	0.0
	1	1.25e-06	0.27	-25.67	0.0	0.0	0.0
	1	1.25e-06	0.27	-25.67	0.0	0.0	0.0
	1	1.25e-06	0.27	-25.67	0.0	0.0	0.0
12	4	-1.19e-06	0.53	-50.19	0.0	0.0	0.0
	121	-0.04	5.93	-9.79	0.0	0.0	0.0
	1	0.0	0.27	-25.67	0.0	0.0	0.0
	1	0.0	0.27	-25.67	0.0	0.0	0.0
	1	0.0	0.27	-25.67	0.0	0.0	0.0
	1	0.0	0.27	-25.67	0.0	0.0	0.0
13	119	0.07	4.61	-69.49	0.0	0.0	0.0
	122	-0.07	-4.34	40.55	0.0	0.0	0.0
	1	1.17e-06	0.12	-13.71	0.0	0.0	0.0
	1	1.17e-06	0.12	-13.71	0.0	0.0	0.0
	1	1.17e-06	0.12	-13.71	0.0	0.0	0.0

	1	1.17e-06	0.12	-13.71	0.0	0.0	0.0
14	125	-0.07	4.61	-69.50	0.0	0.0	0.0
	124	0.07	-4.34	40.55	0.0	0.0	0.0
	1	-1.79e-06	0.12	-13.71	0.0	0.0	0.0
	1	-1.79e-06	0.12	-13.71	0.0	0.0	0.0
	1	-1.79e-06	0.12	-13.71	0.0	0.0	0.0
	1	-1.79e-06	0.12	-13.71	0.0	0.0	0.0
17	4	2.81e-06	1.07	-66.25	0.0	0.0	0.0
	122	-0.08	-11.21	-18.81	0.0	0.0	0.0
	1	1.40e-06	0.54	-33.71	0.0	0.0	0.0
	1	1.40e-06	0.54	-33.71	0.0	0.0	0.0
	1	1.40e-06	0.54	-33.71	0.0	0.0	0.0
	1	1.40e-06	0.54	-33.71	0.0	0.0	0.0
29	4	-1.31e-06	0.95	-29.18	0.0	0.0	0.0
	5	0.0	0.33	-9.99	0.0	0.0	0.0
	1	0.0	0.48	-14.59	0.0	0.0	0.0
	1	0.0	0.48	-14.59	0.0	0.0	0.0
	1	0.0	0.48	-14.59	0.0	0.0	0.0
	1	0.0	0.48	-14.59	0.0	0.0	0.0
36	3	-3.88e-06	0.79	-14.43	0.0	0.0	0.0
	12	-1.81e-06	0.36	-4.72	0.0	0.0	0.0
	1	-2.04e-06	0.42	-6.97	0.0	0.0	0.0
	1	-2.04e-06	0.42	-6.97	0.0	0.0	0.0
	1	-2.04e-06	0.42	-6.97	0.0	0.0	0.0
	1	-2.04e-06	0.42	-6.97	0.0	0.0	0.0
43	4	-4.33e-06	0.73	-15.94	0.0	0.0	0.0
	119	0.08	12.33	-5.11	0.0	0.0	0.0
	1	-2.16e-06	0.36	-7.80	0.0	0.0	0.0
	1	-2.16e-06	0.36	-7.80	0.0	0.0	0.0
	1	-2.16e-06	0.36	-7.80	0.0	0.0	0.0
	1	-2.16e-06	0.36	-7.80	0.0	0.0	0.0
50	122	-0.06	-8.61	-18.70	0.0	0.0	0.0
	119	0.06	9.15	-1.58	0.0	0.0	0.0
	1	-1.06e-06	0.24	-9.23	0.0	0.0	0.0
	1	-1.06e-06	0.24	-9.23	0.0	0.0	0.0
	1	-1.06e-06	0.24	-9.23	0.0	0.0	0.0
	1	-1.06e-06	0.24	-9.23	0.0	0.0	0.0
57	4	0.0	0.42	-25.07	0.0	0.0	0.0
	119	0.05	8.03	-3.18	0.0	0.0	0.0
	1	0.0	0.21	-13.01	0.0	0.0	0.0
	1	0.0	0.21	-13.01	0.0	0.0	0.0
	1	0.0	0.21	-13.01	0.0	0.0	0.0
	1	0.0	0.21	-13.01	0.0	0.0	0.0
63	125	-0.07	9.56	-67.30	0.0	0.0	0.0
	124	0.07	-9.00	14.48	0.0	0.0	0.0
	1	-1.66e-06	0.26	-25.06	0.0	0.0	0.0
	1	-1.66e-06	0.26	-25.06	0.0	0.0	0.0
	1	-1.66e-06	0.26	-25.06	0.0	0.0	0.0
	1	-1.66e-06	0.26	-25.06	0.0	0.0	0.0
78	4	-2.77e-06	1.07	-66.25	0.0	0.0	0.0
	124	0.08	-11.21	-18.84	0.0	0.0	0.0
	1	-1.35e-06	0.54	-33.71	0.0	0.0	0.0
	1	-1.35e-06	0.54	-33.71	0.0	0.0	0.0
	1	-1.35e-06	0.54	-33.71	0.0	0.0	0.0
	1	-1.35e-06	0.54	-33.71	0.0	0.0	0.0
90	4	1.20e-06	0.95	-29.18	0.0	0.0	0.0
	5	0.0	0.33	-9.99	0.0	0.0	0.0
	1	0.0	0.48	-14.59	0.0	0.0	0.0
	1	0.0	0.48	-14.59	0.0	0.0	0.0
	1	0.0	0.48	-14.59	0.0	0.0	0.0
	1	0.0	0.48	-14.59	0.0	0.0	0.0
97	3	3.74e-06	0.79	-14.43	0.0	0.0	0.0
	12	1.65e-06	0.36	-4.72	0.0	0.0	0.0
	1	1.91e-06	0.42	-6.97	0.0	0.0	0.0
	1	1.91e-06	0.42	-6.97	0.0	0.0	0.0
	1	1.91e-06	0.42	-6.97	0.0	0.0	0.0
	1	1.91e-06	0.42	-6.97	0.0	0.0	0.0
104	4	4.30e-06	0.73	-15.94	0.0	0.0	0.0
	125	-0.08	12.33	-5.11	0.0	0.0	0.0
	1	2.09e-06	0.37	-7.80	0.0	0.0	0.0
	1	2.09e-06	0.37	-7.80	0.0	0.0	0.0
	1	2.09e-06	0.37	-7.80	0.0	0.0	0.0
	1	2.09e-06	0.37	-7.80	0.0	0.0	0.0
111	124	0.06	-8.61	-18.71	0.0	0.0	0.0
	125	-0.06	9.14	-1.57	0.0	0.0	0.0

	1	1.08e-06	0.24	-9.23	0.0	0.0	0.0
	1	1.08e-06	0.24	-9.23	0.0	0.0	0.0
	1	1.08e-06	0.24	-9.23	0.0	0.0	0.0
	1	1.08e-06	0.24	-9.23	0.0	0.0	0.0
118	4	0.0	0.42	-25.07	0.0	0.0	0.0
	125	-0.06	8.02	-3.17	0.0	0.0	0.0
	1	0.0	0.21	-13.02	0.0	0.0	0.0
	1	0.0	0.21	-13.02	0.0	0.0	0.0
	1	0.0	0.21	-13.02	0.0	0.0	0.0
126	1	0.0	0.21	-13.02	0.0	0.0	0.0
	119	0.07	9.57	-67.29	0.0	0.0	0.0
	122	-0.07	-9.00	14.47	0.0	0.0	0.0
	1	1.67e-06	0.26	-25.06	0.0	0.0	0.0
	1	1.67e-06	0.26	-25.06	0.0	0.0	0.0
	1	1.67e-06	0.26	-25.06	0.0	0.0	0.0
150	1	1.67e-06	0.26	-25.06	0.0	0.0	0.0
	113	1.19	-5.67	-86.67	0.0	0.0	0.0
	112	-1.15	4.66	39.09	0.0	0.0	0.0
	1	0.02	-0.47	-23.66	0.0	0.0	0.0
	1	0.02	-0.47	-23.66	0.0	0.0	0.0
	1	0.02	-0.47	-23.66	0.0	0.0	0.0
157	1	0.02	-0.47	-23.66	0.0	0.0	0.0
	118	0.64	-8.82	-61.42	0.0	0.0	0.0
	115	-0.61	7.85	24.83	0.0	0.0	0.0
	1	0.01	-0.45	-18.58	0.0	0.0	0.0
	1	0.01	-0.45	-18.58	0.0	0.0	0.0
	1	0.01	-0.45	-18.58	0.0	0.0	0.0
	1	0.01	-0.45	-18.58	0.0	0.0	0.0
164	118	0.44	-8.69	-61.39	0.0	0.0	0.0
	115	-0.43	7.74	32.36	0.0	0.0	0.0
	1	7.39e-03	-0.44	-15.11	0.0	0.0	0.0
	1	7.39e-03	-0.44	-15.11	0.0	0.0	0.0
	1	7.39e-03	-0.44	-15.11	0.0	0.0	0.0
171	1	7.39e-03	-0.44	-15.11	0.0	0.0	0.0
	118	0.50	-8.53	-77.10	0.0	0.0	0.0
	115	-0.49	7.60	54.07	0.0	0.0	0.0
	1	5.07e-03	-0.43	-12.41	0.0	0.0	0.0
	1	5.07e-03	-0.43	-12.41	0.0	0.0	0.0
	1	5.07e-03	-0.43	-12.41	0.0	0.0	0.0
	1	5.07e-03	-0.43	-12.41	0.0	0.0	0.0
178	118	0.97	-7.66	-124.26	0.0	0.0	0.0
	115	-0.96	7.30	110.21	0.0	0.0	0.0
	1	4.78e-03	-0.09	-7.93	0.0	0.0	0.0
	1	4.78e-03	-0.09	-7.93	0.0	0.0	0.0
	1	4.78e-03	-0.09	-7.93	0.0	0.0	0.0
	1	4.78e-03	-0.09	-7.93	0.0	0.0	0.0
191	122	-11.45	0.07	-33.38	0.0	0.0	0.0
	119	11.56	-0.10	27.65	0.0	0.0	0.0
	1	0.05	-0.01	-4.15	0.0	0.0	0.0
	1	0.05	-0.01	-4.15	0.0	0.0	0.0
	1	0.05	-0.01	-4.15	0.0	0.0	0.0
198	1	0.05	-0.01	-4.15	0.0	0.0	0.0
	112	13.81	-0.02	-130.29	0.0	0.0	0.0
	113	-13.72	0.02	125.74	0.0	0.0	0.0
	1	0.04	-3.29e-03	-3.58	0.0	0.0	0.0
	1	0.04	-3.29e-03	-3.58	0.0	0.0	0.0
	1	0.04	-3.29e-03	-3.58	0.0	0.0	0.0
	1	0.04	-3.29e-03	-3.58	0.0	0.0	0.0
211	115	24.84	-0.06	-170.41	0.0	0.0	0.0
	118	-21.82	0.04	133.92	0.0	0.0	0.0
	1	1.46	-0.01	-18.26	0.0	0.0	0.0
	1	1.46	-0.01	-18.26	0.0	0.0	0.0
	1	1.46	-0.01	-18.26	0.0	0.0	0.0
	1	1.46	-0.01	-18.26	0.0	0.0	0.0
225	113	-24.84	-0.06	-170.42	0.0	0.0	0.0
	112	21.82	0.04	133.93	0.0	0.0	0.0
	1	-1.46	-0.01	-18.26	0.0	0.0	0.0
	1	-1.46	-0.01	-18.26	0.0	0.0	0.0
	1	-1.46	-0.01	-18.26	0.0	0.0	0.0
	1	-1.46	-0.01	-18.26	0.0	0.0	0.0
249	115	-1.19	-5.67	-86.66	0.0	0.0	0.0
	118	1.15	4.66	39.08	0.0	0.0	0.0
	1	-0.02	-0.47	-23.66	0.0	0.0	0.0
	1	-0.02	-0.47	-23.66	0.0	0.0	0.0
	1	-0.02	-0.47	-23.66	0.0	0.0	0.0

	1	-0.02	-0.47	-23.66	0.0	0.0	0.0
256	112	-0.64	-8.82	-61.41	0.0	0.0	0.0
	113	0.61	7.85	24.82	0.0	0.0	0.0
	1	-0.01	-0.45	-18.58	0.0	0.0	0.0
	1	-0.01	-0.45	-18.58	0.0	0.0	0.0
	1	-0.01	-0.45	-18.58	0.0	0.0	0.0
	1	-0.01	-0.45	-18.58	0.0	0.0	0.0
263	112	-0.44	-8.69	-61.39	0.0	0.0	0.0
	113	0.43	7.74	32.36	0.0	0.0	0.0
	1	-7.41e-03	-0.44	-15.11	0.0	0.0	0.0
	1	-7.41e-03	-0.44	-15.11	0.0	0.0	0.0
	1	-7.41e-03	-0.44	-15.11	0.0	0.0	0.0
	1	-7.41e-03	-0.44	-15.11	0.0	0.0	0.0
270	112	-0.50	-8.54	-77.10	0.0	0.0	0.0
	113	0.49	7.60	54.07	0.0	0.0	0.0
	1	-5.09e-03	-0.43	-12.41	0.0	0.0	0.0
	1	-5.09e-03	-0.43	-12.41	0.0	0.0	0.0
	1	-5.09e-03	-0.43	-12.41	0.0	0.0	0.0
	1	-5.09e-03	-0.43	-12.41	0.0	0.0	0.0
277	112	-0.97	-7.66	-124.27	0.0	0.0	0.0
	113	0.96	7.30	110.21	0.0	0.0	0.0
	1	-4.79e-03	-0.09	-7.93	0.0	0.0	0.0
	1	-4.79e-03	-0.09	-7.93	0.0	0.0	0.0
	1	-4.79e-03	-0.09	-7.93	0.0	0.0	0.0
	1	-4.79e-03	-0.09	-7.93	0.0	0.0	0.0
290	124	11.46	0.07	-33.39	0.0	0.0	0.0
	125	-11.56	-0.10	27.65	0.0	0.0	0.0
	1	-0.05	-0.01	-4.15	0.0	0.0	0.0
	1	-0.05	-0.01	-4.15	0.0	0.0	0.0
	1	-0.05	-0.01	-4.15	0.0	0.0	0.0
	1	-0.05	-0.01	-4.15	0.0	0.0	0.0
297	118	-13.81	-0.02	-130.27	0.0	0.0	0.0
	115	13.72	0.02	125.72	0.0	0.0	0.0
	1	-0.04	-3.29e-03	-3.58	0.0	0.0	0.0
	1	-0.04	-3.29e-03	-3.58	0.0	0.0	0.0
	1	-0.04	-3.29e-03	-3.58	0.0	0.0	0.0
	1	-0.04	-3.29e-03	-3.58	0.0	0.0	0.0
432	4	1.29e-06	0.52	-40.67	0.0	0.0	0.0
	5	0.0	0.17	-14.59	0.0	0.0	0.0
	1	0.0	0.26	-21.28	0.0	0.0	0.0
	1	0.0	0.26	-21.28	0.0	0.0	0.0
	1	0.0	0.26	-21.28	0.0	0.0	0.0
	1	0.0	0.26	-21.28	0.0	0.0	0.0
437	4	-1.15e-06	0.52	-40.67	0.0	0.0	0.0
	5	0.0	0.17	-14.59	0.0	0.0	0.0
	1	0.0	0.26	-21.28	0.0	0.0	0.0
	1	0.0	0.26	-21.28	0.0	0.0	0.0
	1	0.0	0.26	-21.28	0.0	0.0	0.0
	1	0.0	0.26	-21.28	0.0	0.0	0.0

32 RISULTATI ELEMENTI TIPO TRAVE

32.1 LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

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

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

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

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE	PAG. 546 DI 722

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

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

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

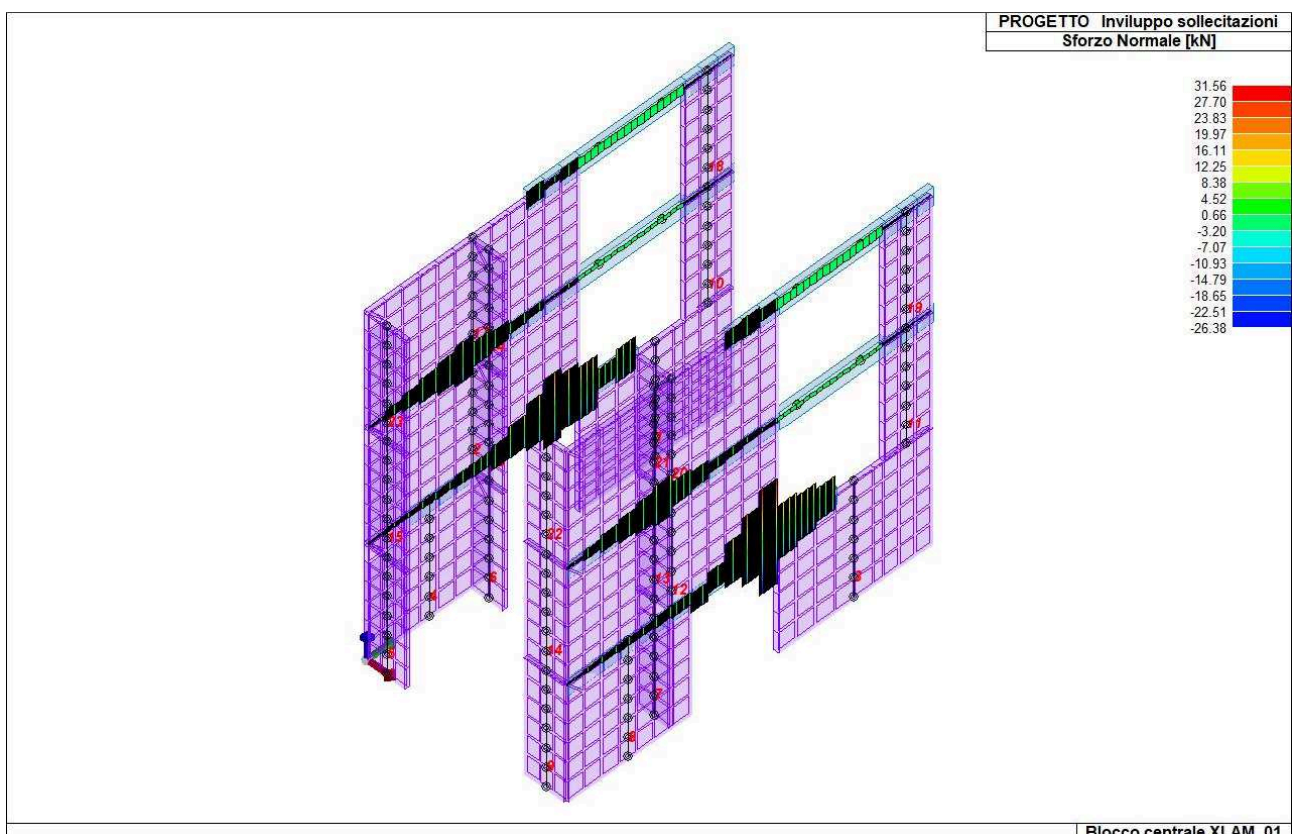
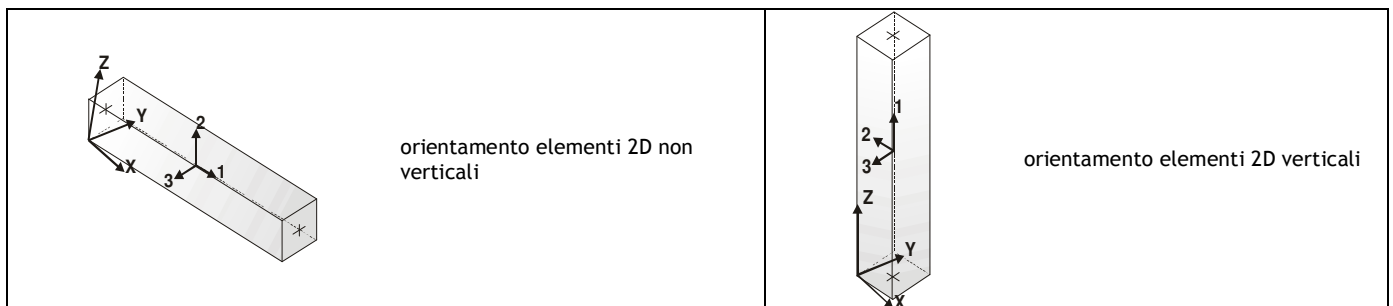


Figura 25: Involuppo sforzo normale

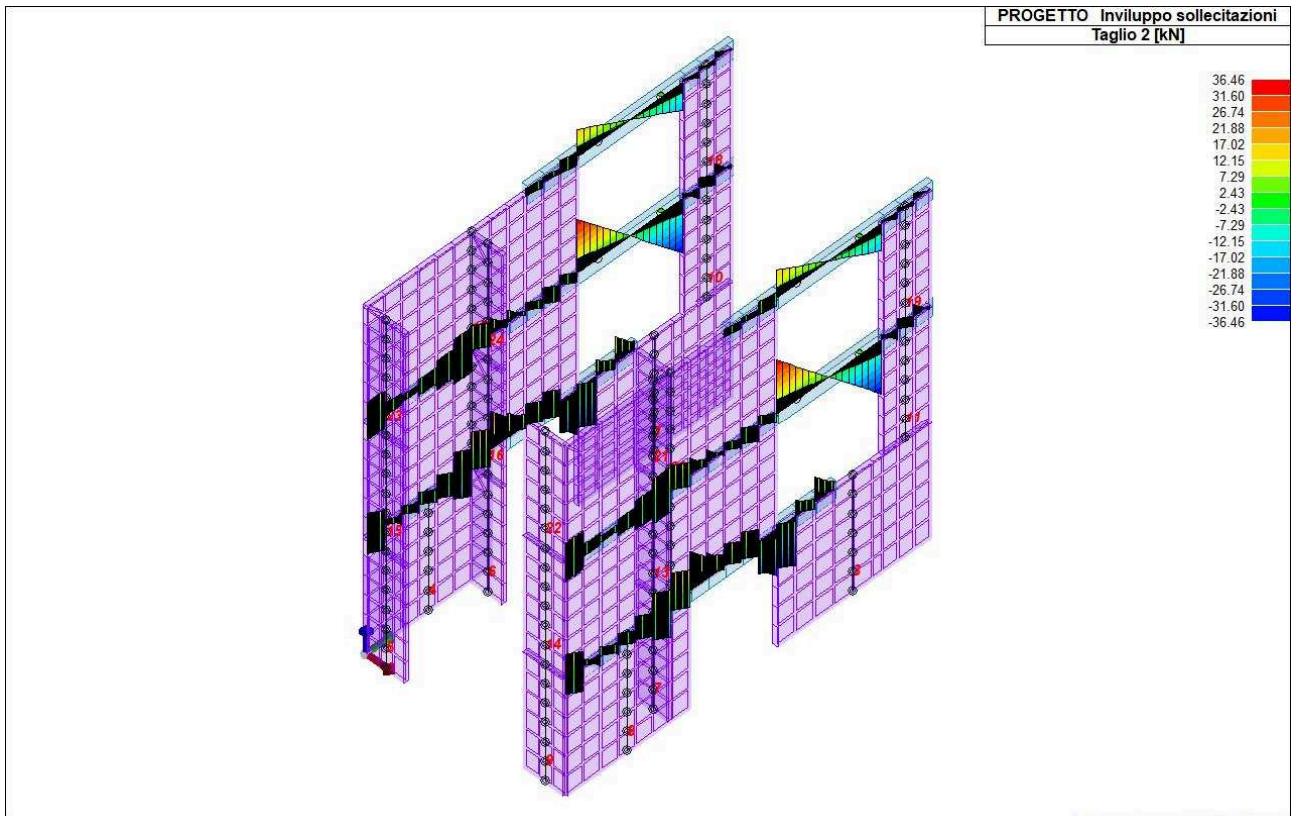


Figura 26: Involuppo sforzo di taglio

Blocco centrale XLAM_01

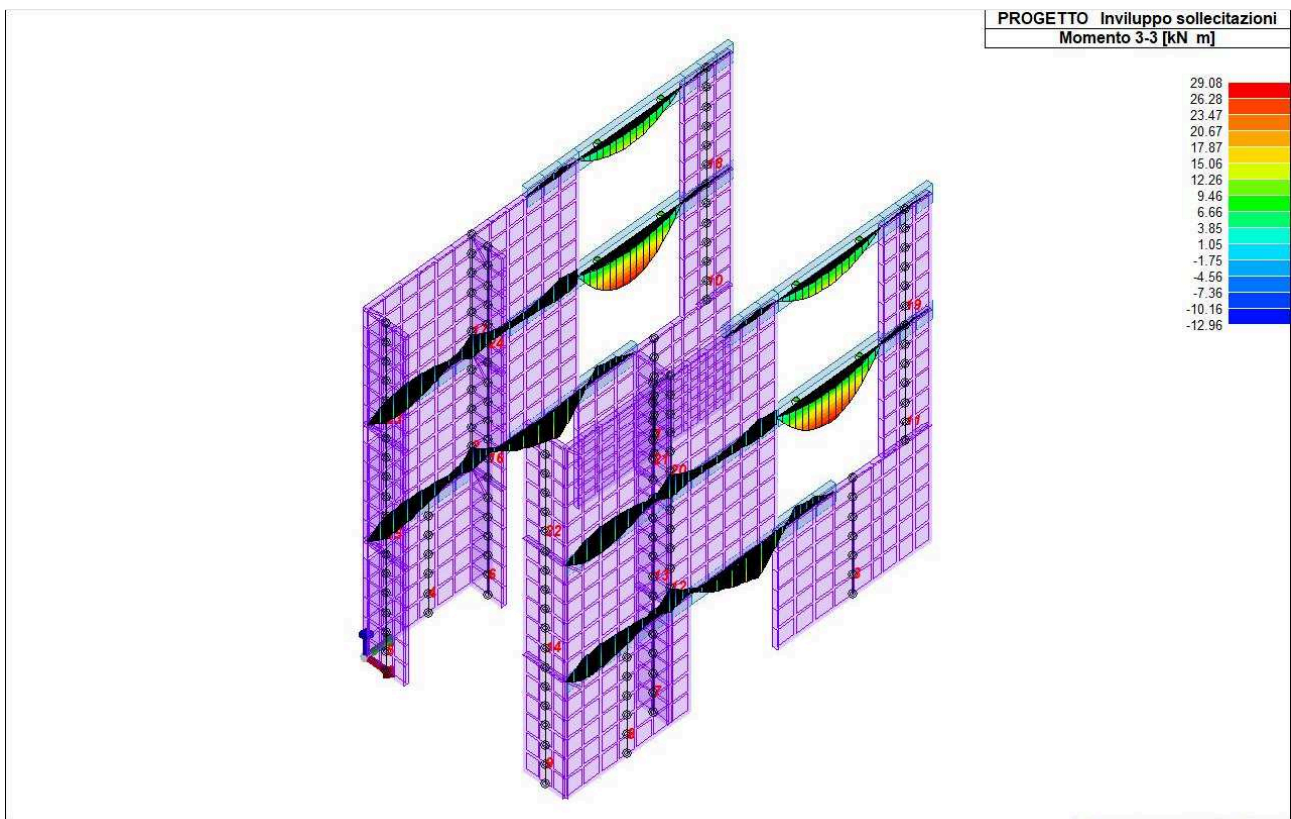


Figura 27: Involuppo momento flettente

Blocco centrale XLAM_01

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
1	1	0.0	3.54e-05	6.46e-05	-5.44	0.0	1.06	8.09	-6.09e-05	0.0	3.54e-05	-3.12
		-3.12	0.0	0.0	0.0	58.1	1.06	2.65	-6.09e-05	0.0	0.0	0.0
1	4	0.0	8.23e-05	1.25e-04	-13.29	0.0	2.12	17.08	-1.42e-04	0.0	8.23e-05	-6.07
		-6.07	0.0	0.0	0.0	58.1	2.12	3.79	-1.42e-04	0.0	0.0	0.0
1	5	0.0	2.33e-05	4.42e-05	-3.57	0.0	0.72	5.45	-4.01e-05	0.0	2.33e-05	-2.13
		-2.13	0.0	0.0	0.0	58.1	0.72	1.88	-4.01e-05	0.0	0.0	0.0
1	7	0.0	6.82e-05	9.80e-05	-11.42	0.0	1.67	13.88	-1.17e-04	0.0	6.82e-05	-4.75
		-4.75	0.0	0.0	0.0	58.1	1.67	2.46	-1.17e-04	0.0	0.0	0.0
1	27	0.0	0.0	5.77e-05	-7.06	0.0	7.04	8.05	0.03	0.0	-0.02	-2.63
		-2.63	-0.02	3.55e-04	0.0	58.1	7.04	1.00	0.03	0.0	0.0	0.0
1	28	2.05e-03	0.0	4.88e-05	-7.06	0.0	8.35	6.78	0.02	0.0	-0.01	-1.89
		-1.89	-0.01	3.32e-04	0.0	58.1	8.35	-0.28	0.02	0.0	0.0	0.0
1	29	0.0	0.01	8.89e-05	-7.06	0.0	-6.04	11.73	-0.02	0.0	0.01	-4.77
		-4.77	0.0	-3.32e-04	0.0	58.1	-6.04	4.68	-0.02	0.0	0.0	0.0
1	30	0.0	0.02	8.00e-05	-7.06	0.0	-4.73	10.46	-0.03	0.0	0.02	-4.03
		-4.03	0.0	-3.55e-04	0.0	58.1	-4.73	3.40	-0.03	0.0	0.0	0.0
1	44	9.25e-03	0.0	4.94e-05	-7.06	0.0	5.29	6.58	1.26e-03	0.0	-7.30e-04	-1.77
		-1.77	-7.30e-04	6.36e-05	0.0	58.1	5.29	-0.48	1.26e-03	0.0	0.0	0.0
1	45	0.0	8.17e-04	8.84e-05	-7.06	0.0	-2.98	11.93	-1.41e-03	0.0	8.17e-04	-4.88
		-4.88	0.0	-6.36e-05	0.0	58.1	-2.98	4.88	-1.41e-03	0.0	0.0	0.0
1	59	0.0	0.0	5.89e-05	-7.06	0.0	5.82	8.18	0.03	0.0	-0.01	-2.71
		-2.71	-0.01	2.91e-04	0.0	58.1	5.82	1.13	0.03	0.0	0.0	0.0
1	60	0.0	0.0	4.97e-05	-7.06	0.0	7.19	6.86	0.02	0.0	-0.01	-1.94
		-1.94	-0.01	2.65e-04	0.0	58.1	7.19	-0.20	0.02	0.0	0.0	0.0
1	61	0.0	0.01	8.81e-05	-7.06	0.0	-4.88	11.65	-0.02	0.0	0.01	-4.72
		-4.72	0.0	-2.65e-04	0.0	58.1	-4.88	4.60	-0.02	0.0	0.0	0.0
1	62	0.0	0.01	7.88e-05	-7.06	0.0	-3.51	10.33	-0.03	0.0	0.01	-3.95
		-3.95	0.0	-2.92e-04	0.0	58.1	-3.51	3.27	-0.03	0.0	0.0	0.0
1	76	0.01	0.0	4.90e-05	-7.06	0.0	5.04	6.53	1.68e-04	0.0	-9.75e-05	-1.74
		-1.74	-9.75e-05	3.92e-05	0.0	58.1	5.04	-0.53	1.68e-04	0.0	0.0	0.0
1	77	0.0	1.85e-04	8.87e-05	-7.06	0.0	-2.73	11.99	-3.17e-04	0.0	1.85e-04	-4.92
		-4.92	0.0	-3.92e-05	0.0	58.1	-2.73	4.93	-3.17e-04	0.0	0.0	0.0
1	91	0.0	0.0	6.01e-05	-7.06	0.0	5.18	8.31	0.02	0.0	-0.01	-2.78
		-2.78	-0.01	2.53e-04	0.0	58.1	5.18	1.25	0.02	0.0	0.0	0.0
1	92	0.0	0.0	5.18e-05	-7.06	0.0	6.41	7.13	0.02	0.0	-0.01	-2.09
		-2.09	-0.01	2.29e-04	0.0	58.1	6.41	0.07	0.02	0.0	0.0	0.0
1	93	0.0	0.01	8.59e-05	-7.06	0.0	-4.10	11.39	-0.02	0.0	0.01	-4.57
		-4.57	0.0	-2.29e-04	0.0	58.1	-4.10	4.33	-0.02	0.0	0.0	0.0
1	94	0.0	0.01	7.76e-05	-7.06	0.0	-2.88	10.20	-0.02	0.0	0.01	-3.88
		-3.88	0.0	-2.53e-04	0.0	58.1	-2.88	3.15	-0.02	0.0	0.0	0.0
1	108	5.36e-04	0.0	5.12e-05	-7.06	0.0	4.58	6.82	6.09e-05	0.0	-3.54e-05	-1.91
		-1.91	-3.54e-05	3.30e-05	0.0	58.1	4.58	-0.24	6.09e-05	0.0	0.0	0.0
1	109	0.0	1.22e-04	8.66e-05	-7.06	0.0	-2.28	11.69	-2.11e-04	0.0	1.22e-04	-4.74
		-4.74	0.0	-3.30e-05	0.0	58.1	-2.28	4.64	-2.11e-04	0.0	0.0	0.0
1	123	0.0	0.0	5.49e-05	-7.06	0.0	8.69	7.75	0.03	0.0	-0.02	-2.45
		-2.45	-0.02	4.49e-04	0.0	58.1	8.69	0.69	0.03	0.0	0.0	0.0
1	124	0.03	0.0	4.45e-05	-7.06	0.0	10.20	6.27	0.03	0.0	-0.02	-1.59
		-1.59	-0.02	4.23e-04	0.0	58.1	10.20	-0.79	0.03	0.0	0.0	0.0
1	125	0.0	0.02	9.32e-05	-7.06	0.0	-7.89	12.25	-0.03	0.0	0.02	-5.07
		-5.07	0.0	-4.23e-04	0.0	58.1	-7.89	5.19	-0.03	0.0	0.0	0.0
1	126	0.0	0.02	8.28e-05	-7.06	0.0	-6.38	10.76	-0.03	0.0	0.02	-4.21
		-4.21	0.0	-4.49e-04	0.0	58.1	-6.38	3.71	-0.03	0.0	0.0	0.0
1	140	0.04	0.0	4.59e-05	-7.06	0.0	6.16	6.11	2.08e-03	0.0	-1.21e-03	-1.50
		-1.50	-1.21e-03	8.76e-05	0.0	58.1	6.16	-0.95	2.08e-03	0.0	0.0	0.0
1	141	0.0	1.29e-03	9.18e-05	-7.06	0.0	-3.86	12.40	-2.23e-03	0.0	1.29e-03	-5.16
		-5.16	0.0	-8.76e-05	0.0	58.1	-3.86	5.35	-2.23e-03	0.0	0.0	0.0
1	143	0.0	2.55e-05	4.73e-05	-3.92	0.0	0.77	5.88	-4.39e-05	0.0	2.55e-05	-2.28
		-2.28	0.0	0.0	0.0	58.1	0.77	1.97	-4.39e-05	0.0	0.0	0.0
1	145	0.0	5.55e-05	8.32e-05	-9.15	0.0	1.41	11.50	-9.54e-05	0.0	5.55e-05	-4.03
		-4.03	0.0	0.0	0.0	58.1	1.41	2.36	-9.54e-05	0.0	0.0	0.0
1	146	0.0	5.68e-05	8.77e-05	-9.15	0.0	1.48	11.88	-9.77e-05	0.0	5.68e-05	-4.25
		-4.25	0.0	0.0	0.0	58.1	1.48	2.73	-9.77e-05	0.0	0.0	0.0
1	150	0.0	2.55e-05	4.73e-05	-3.92	0.0	0.77	5.88	-4.39e-05	0.0	2.55e-05	-2.28
		-2.28	0.0	0.0	0.0	58.1	0.77	1.97	-4.39e-05	0.0	0.0	0.0
1	151	0.0	4.65e-05	7.24e-05	-7.58	0.0	1.22	9.82	-8.00e-05	0.0	4.65e-05	-3.50
		-3.50	0.0	0.0	0.0	58.1	1.22	2.24	-8.00e-05	0.0	0.0	0.0
1	155	0.0	2.55e-05	4.73e-05	-3.92	0.0	0.77	5.88	-4.39e-05	0.0	2.55e-05	-2.28
		-2.28	0.0	0.0	0.0	58.1	0.77	1.97	-4.39e-05	0.0	0.0	0.0
1	156	0.0	4.35e-05	6.89e-05	-7.06	0.0	1.15	9.26	-7.48e-05	0.0	4.35e-05	-3.33
		-3.33	0.0	0.0	0.0	58.1	1.15	2.20	-7.48e-05	0.0	0.0	0.0
2	4	-5.94	3.58e-04	2.49e-04	-13.29	0.0	2.35	10.85	-4.74e-04	0.0	3.58e-04	-8.51
		-8.51	8.23e-05	0.0	0.0	58.1	2.35	-2.44	-4.74e-04	0.0	8.23e-05	-6.07

2	5	-2.12	1.20e-04	8.76e-05	-3.57	0.0	0.80	3.30	-1.67e-04	0.0	1.20e-04	-3.01
		-3.01	2.33e-05	0.0	0.0	58.1	0.80	-0.26	-1.67e-04	0.0	2.33e-05	-2.13
2	27	-2.43	7.17e-03	1.16e-04	-7.06	0.0	9.70	4.82	-0.03	0.0	7.17e-03	-3.40
		-3.40	-0.02	3.56e-04	0.0	58.1	9.70	-2.24	-0.03	0.0	-0.02	-2.63
2	28	-1.35	9.54e-03	1.00e-04	-7.06	0.0	11.23	3.41	-0.04	0.0	9.54e-03	-1.84
		-1.89	-0.01	3.34e-04	0.0	58.1	11.23	-3.65	-0.04	0.0	-0.01	-1.89
2	29	-4.77	0.01	1.73e-04	-7.06	0.0	-8.66	8.30	0.03	0.0	-9.16e-03	-7.52
		-7.52	-9.16e-03	-3.34e-04	0.0	58.1	-8.66	1.25	0.03	0.0	0.01	-4.77
2	30	-4.03	0.02	1.58e-04	-7.06	0.0	-7.14	6.89	0.03	0.0	-6.78e-03	-5.96
		-5.96	-6.78e-03	-3.56e-04	0.0	58.1	-7.14	-0.17	0.03	0.0	0.02	-4.03
2	44	-1.10	6.60e-03	1.03e-04	-7.06	0.0	6.58	2.97	-0.02	0.0	6.60e-03	-1.47
		-1.77	-7.30e-04	6.69e-05	0.0	58.1	6.58	-4.08	-0.02	0.0	-7.30e-04	-1.77
2	45	-4.88	8.17e-04	1.71e-04	-7.06	0.0	-4.02	8.73	0.02	0.0	-6.22e-03	-7.90
		-7.90	-6.22e-03	-6.69e-05	0.0	58.1	-4.02	1.68	0.02	0.0	8.17e-04	-4.88
2	59	-2.55	8.00e-03	1.16e-04	-7.06	0.0	7.95	5.05	-0.03	0.0	8.00e-03	-3.61
		-3.61	-0.01	2.91e-04	0.0	58.1	7.95	-2.01	-0.03	0.0	-0.01	-2.71
2	60	-1.45	0.01	1.00e-04	-7.06	0.0	9.55	3.58	-0.04	0.0	0.01	-2.00
		-2.00	-0.01	2.67e-04	0.0	58.1	9.55	-3.48	-0.04	0.0	-0.01	-1.94
2	61	-4.72	0.01	1.73e-04	-7.06	0.0	-6.99	8.13	0.04	0.0	-0.01	-7.37
		-7.37	-0.01	-2.67e-04	0.0	58.1	-6.99	1.07	0.04	0.0	0.01	-4.72
2	62	-3.95	0.01	1.57e-04	-7.06	0.0	-5.38	6.66	0.03	0.0	-7.61e-03	-5.75
		-5.75	-7.61e-03	-2.91e-04	0.0	58.1	-5.38	-0.39	0.03	0.0	0.01	-3.95
2	76	-1.06	7.37e-03	1.01e-04	-7.06	0.0	6.19	2.95	-0.02	0.0	7.37e-03	-1.42
		-1.74	-9.75e-05	4.25e-05	0.0	58.1	6.19	-4.11	-0.02	0.0	-9.75e-05	-1.74
2	77	-4.92	1.85e-04	1.72e-04	-7.06	0.0	-3.63	8.76	0.02	0.0	-6.98e-03	-7.94
		-7.94	-6.98e-03	-4.26e-05	0.0	58.1	-3.63	1.70	0.02	0.0	1.85e-04	-4.92
2	91	-2.64	7.23e-03	1.19e-04	-7.06	0.0	7.04	5.15	-0.03	0.0	7.23e-03	-3.74
		-3.74	-0.01	2.53e-04	0.0	58.1	7.04	-1.90	-0.03	0.0	-0.01	-2.78
2	92	-1.68	9.64e-03	1.04e-04	-7.06	0.0	8.47	3.85	-0.03	0.0	9.64e-03	-2.30
		-2.30	-0.01	2.31e-04	0.0	58.1	8.47	-3.21	-0.03	0.0	-0.01	-2.09
2	93	-4.57	0.01	1.69e-04	-7.06	0.0	-5.91	7.86	0.03	0.0	-9.25e-03	-7.06
		-7.06	-9.25e-03	-2.31e-04	0.0	58.1	-5.91	0.81	0.03	0.0	0.01	-4.57
2	94	-3.87	0.01	1.55e-04	-7.06	0.0	-4.48	6.56	0.03	0.0	-6.85e-03	-5.62
		-5.62	-6.85e-03	-2.53e-04	0.0	58.1	-4.48	-0.50	0.03	0.0	0.01	-3.87
2	108	-1.33	6.67e-03	1.05e-04	-7.06	0.0	5.61	3.27	-0.02	0.0	6.67e-03	-1.91
		-1.91	-3.54e-05	3.60e-05	0.0	58.1	5.61	-3.79	-0.02	0.0	-3.54e-05	-1.91
2	109	-4.74	1.22e-04	1.68e-04	-7.06	0.0	-3.05	8.44	0.02	0.0	-6.28e-03	-7.58
		-7.58	-6.28e-03	-3.61e-05	0.0	58.1	-3.05	1.38	0.02	0.0	1.22e-04	-4.74
2	123	-2.19	8.22e-03	1.11e-04	-7.06	0.0	12.05	4.51	-0.03	0.0	8.22e-03	-3.05
		-3.05	-0.02	4.50e-04	0.0	58.1	12.05	-2.55	-0.03	0.0	-0.02	-2.45
2	124	-0.88	0.01	9.32e-05	-7.06	0.0	13.82	2.86	-0.04	0.0	0.01	-1.23
		-1.59	-0.02	4.26e-04	0.0	58.1	13.82	-4.19	-0.04	0.0	-0.02	-1.59
2	125	-5.07	0.02	1.80e-04	-7.06	0.0	-11.26	8.85	0.04	0.0	-0.01	-8.13
		-8.13	-0.01	-4.26e-04	0.0	58.1	-11.26	1.79	0.04	0.0	0.02	-5.07
2	126	-4.21	0.02	1.62e-04	-7.06	0.0	-9.49	7.20	0.03	0.0	-7.83e-03	-6.32
		-6.32	-7.83e-03	-4.50e-04	0.0	58.1	-9.49	0.14	0.03	0.0	0.02	-4.21
2	140	-0.64	7.55e-03	9.67e-05	-7.06	0.0	7.73	2.46	-0.02	0.0	7.55e-03	-0.89
		-1.50	-1.21e-03	9.14e-05	0.0	58.1	7.73	-4.60	-0.02	0.0	-1.21e-03	-1.50
2	141	-5.16	1.29e-03	1.77e-04	-7.06	0.0	-5.16	9.25	0.02	0.0	-7.17e-03	-8.47
		-8.47	-7.17e-03	-9.14e-05	0.0	58.1	-5.16	2.20	0.02	0.0	1.29e-03	-5.16
2	143	-2.27	1.30e-04	9.39e-05	-3.92	0.0	0.86	3.58	-1.79e-04	0.0	1.30e-04	-3.23
		-3.23	2.55e-05	0.0	0.0	58.1	0.86	-0.34	-1.79e-04	0.0	2.55e-05	-2.27
2	146	-4.16	2.50e-04	1.74e-04	-9.15	0.0	1.64	7.52	-3.32e-04	0.0	2.50e-04	-5.96
		-5.96	5.68e-05	0.0	0.0	58.1	1.64	-1.63	-3.32e-04	0.0	5.68e-05	-4.25
2	150	-2.27	1.30e-04	9.39e-05	-3.92	0.0	0.86	3.58	-1.79e-04	0.0	1.30e-04	-3.23
		-3.23	2.55e-05	0.0	0.0	58.1	0.86	-0.34	-1.79e-04	0.0	2.55e-05	-2.27
2	151	-3.43	2.05e-04	1.44e-04	-7.58	0.0	1.35	6.23	-2.73e-04	0.0	2.05e-04	-4.92
		-4.92	4.65e-05	0.0	0.0	58.1	1.35	-1.35	-2.73e-04	0.0	4.65e-05	-3.43
2	155	-2.27	1.30e-04	9.39e-05	-3.92	0.0	0.86	3.58	-1.79e-04	0.0	1.30e-04	-3.23
		-3.23	2.55e-05	0.0	0.0	58.1	0.86	-0.34	-1.79e-04	0.0	2.55e-05	-2.27
2	156	-3.27	1.94e-04	1.37e-04	-7.06	0.0	1.28	5.85	-2.59e-04	0.0	1.94e-04	-4.68
		-4.68	4.35e-05	0.0	0.0	58.1	1.28	-1.20	-2.59e-04	0.0	4.35e-05	-3.27
3	4	7.09	3.58e-04	6.70e-04	-13.29	0.0	1.99	-20.19	6.27e-03	0.0	-3.29e-03	7.09
		-8.51	-3.29e-03	0.0	0.0	58.1	1.99	-33.48	6.27e-03	0.0	3.58e-04	-8.51
3	5	2.42	1.20e-04	2.36e-04	-3.57	0.0	0.66	-7.56	2.01e-03	0.0	-1.05e-03	2.42
		-3.01	-1.05e-03	0.0	0.0	58.1	0.66	-11.13	2.01e-03	0.0	1.20e-04	-3.01
3	15	0.83	0.91	2.58e-04	-7.06	0.0	9.58	-4.31	-1.55	0.0	0.91	0.83
		-3.73	9.32e-03	2.90e-04	0.0	58.1	9.58	-11.37	-1.55	0.0	9.32e-03	-3.73
3	18	6.87	-8.93e-03	4.78e-04	-7.06	0.0	-7.42	-17.99	1.56	0.0	-0.92	6.87
		-5.64	-0.92	-2.90e-04	0.0	58.1	-7.42	-25.05	1.56	0.0	-8.93e-03	-5.64
3	28	-0.33	0.82	1.46e-04	-7.06	0.0	12.79	0.90	-1.14	0.0	0.82	-0.33
		-1.84	9.54e-03	3.34e-04	0.0	58.1	12.79	-6.15	-1.14	0.0	9.54e-03	-1.84
3	29	8.07	-9.16e-03	5.89e-04	-7.06	0.0	-10.63	-23.21	1.15	0.0	-0.83	8.07
		-7.52	-0.83	-3.34e-04	0.0	58.1	-10.63	-30.27	1.15	0.0	-9.16e-03	-7.52
3	45	6.85	-6.22e-03	5.80e-04	-7.06	0.0	-5.96	-21.75	-0.05	0.0	-0.48	6.85

		-7.90	-0.48	-7.10e-05	0.0	58.1	-5.96	-28.81	-0.05	0.0	-6.22e-03	-7.90
3	47	1.20	0.95	2.70e-04	-7.06	0.0	8.11	-5.16	-1.62	0.0	0.95	1.20
		-3.85	0.01	2.43e-04	0.0	58.1	8.11	-12.22	-1.62	0.0	0.01	-3.85
3	50	6.51	-9.75e-03	4.65e-04	-7.06	0.0	-5.95	-17.15	1.62	0.0	-0.96	6.51
		-5.51	-0.96	-2.43e-04	0.0	58.1	-5.95	-24.20	1.62	0.0	-9.75e-03	-5.51
3	60	0.04	0.87	1.61e-04	-7.06	0.0	10.87	-0.10	-1.19	0.0	0.87	0.04
		-2.00	0.01	2.67e-04	0.0	58.1	10.87	-7.15	-1.19	0.0	0.01	-2.00
3	61	7.66	-0.01	5.74e-04	-7.06	0.0	-8.71	-22.21	1.20	0.0	-0.87	7.66
		-7.37	-0.87	-2.67e-04	0.0	58.1	-8.71	-29.27	1.20	0.0	-0.01	-7.37
3	77	6.81	-6.98e-03	5.82e-04	-7.06	0.0	-5.53	-21.74	-0.08	0.0	-0.52	6.81
		-7.94	-0.52	-4.69e-05	0.0	58.1	-5.53	-28.79	-0.08	0.0	-6.98e-03	-7.94
3	79	1.53	0.85	2.82e-04	-7.06	0.0	7.17	-5.91	-1.45	0.0	0.85	1.53
		-3.96	9.13e-03	2.11e-04	0.0	58.1	7.17	-12.97	-1.45	0.0	9.13e-03	-3.96
3	82	6.17	-8.74e-03	4.53e-04	-7.06	0.0	-5.01	-16.39	1.45	0.0	-0.85	6.17
		-5.41	-0.85	-2.11e-04	0.0	58.1	-5.01	-23.45	1.45	0.0	-8.74e-03	-5.41
3	92	0.50	0.78	1.85e-04	-7.06	0.0	9.60	-1.40	-1.07	0.0	0.78	0.50
		-2.30	9.64e-03	2.31e-04	0.0	58.1	9.60	-8.45	-1.07	0.0	9.64e-03	-2.30
3	93	7.21	-9.25e-03	5.50e-04	-7.06	0.0	-7.44	-20.91	1.07	0.0	-0.78	7.21
		-7.06	-0.78	-2.31e-04	0.0	58.1	-7.44	-27.97	1.07	0.0	-9.25e-03	-7.06
3	109	6.49	-6.28e-03	5.58e-04	-7.06	0.0	-4.75	-20.57	-0.07	0.0	-0.47	6.49
		-7.58	-0.47	-3.99e-05	0.0	58.1	-4.75	-27.63	-0.07	0.0	-6.28e-03	-7.58
3	111	0.11	1.07	2.31e-04	-7.06	0.0	11.75	-2.67	-1.82	0.0	1.07	0.11
		-3.49	0.01	3.63e-04	0.0	58.1	11.75	-9.73	-1.82	0.0	0.01	-3.49
3	114	7.59	-0.01	5.04e-04	-7.06	0.0	-9.59	-19.64	1.83	0.0	-1.07	7.59
		-5.87	-1.07	-3.63e-04	0.0	58.1	-9.59	-26.69	1.83	0.0	-0.01	-5.87
3	124	-0.78	0.96	9.70e-05	-7.06	0.0	15.82	3.66	-1.34	0.0	0.96	-1.36
		-1.36	0.01	4.27e-04	0.0	58.1	15.82	-3.40	-1.34	0.0	0.01	-1.23
3	125	9.07	-0.01	6.38e-04	-7.06	0.0	-13.66	-25.97	1.34	0.0	-0.96	9.07
		-8.13	-0.96	-4.27e-04	0.0	58.1	-13.66	-33.02	1.34	0.0	-0.01	-8.13
3	141	7.43	-7.17e-03	6.19e-04	-7.06	0.0	-7.45	-23.73	-0.05	0.0	-0.56	7.43
		-8.47	-0.56	-9.61e-05	0.0	58.1	-7.45	-30.78	-0.05	0.0	-7.17e-03	-8.47
3	143	2.60	1.30e-04	2.53e-04	-3.92	0.0	0.71	-8.07	2.18e-03	0.0	-1.14e-03	2.60
		-3.23	-1.14e-03	0.0	0.0	58.1	0.71	-11.99	2.18e-03	0.0	1.30e-04	-3.23
3	146	4.95	2.50e-04	4.69e-04	-9.15	0.0	1.39	-14.20	4.36e-03	0.0	-2.29e-03	4.95
		-5.96	-2.29e-03	0.0	0.0	58.1	1.39	-23.35	4.36e-03	0.0	2.50e-04	-5.96
3	150	2.60	1.30e-04	2.53e-04	-3.92	0.0	0.71	-8.07	2.18e-03	0.0	-1.14e-03	2.60
		-3.23	-1.14e-03	0.0	0.0	58.1	0.71	-11.99	2.18e-03	0.0	1.30e-04	-3.23
3	151	4.06	2.05e-04	3.87e-04	-7.58	0.0	1.14	-11.67	3.57e-03	0.0	-1.87e-03	4.06
		-4.92	-1.87e-03	0.0	0.0	58.1	1.14	-19.25	3.57e-03	0.0	2.05e-04	-4.92
3	155	2.60	1.30e-04	2.53e-04	-3.92	0.0	0.71	-8.07	2.18e-03	0.0	-1.14e-03	2.60
		-3.23	-1.14e-03	0.0	0.0	58.1	0.71	-11.99	2.18e-03	0.0	1.30e-04	-3.23
3	156	3.85	1.94e-04	3.68e-04	-7.06	0.0	1.08	-11.15	3.37e-03	0.0	-1.76e-03	3.85
		-4.68	-1.76e-03	0.0	0.0	58.1	1.08	-18.21	3.37e-03	0.0	1.94e-04	-4.68
4	4	20.06	-6.16e-04	5.09e-04	-11.93	0.0	4.82	-18.89	-4.91e-03	-4.20e-04	-6.16e-04	20.06
		7.09	-3.09e-03	0.0	0.0	52.2	4.82	-30.82	-4.91e-03	-4.20e-04	-3.09e-03	7.09
4	5	7.00	-2.25e-04	1.81e-04	-3.20	0.0	1.57	-7.17	-1.51e-03	-1.56e-04	-2.25e-04	7.00
		2.42	-9.87e-04	0.0	0.0	52.2	1.57	-10.37	-1.51e-03	-1.56e-04	-9.87e-04	2.42
4	15	5.91	0.81	2.36e-04	-6.34	0.0	15.12	-6.60	2.17	0.08	-0.27	5.91
		0.83	-0.27	2.15e-04	0.0	52.2	15.12	-12.93	2.17	0.08	0.81	0.83
4	18	16.04	0.27	3.24e-04	-6.34	0.0	-9.94	-14.36	-2.18	-0.08	0.27	16.04
		6.87	-0.81	-2.14e-04	0.0	52.2	-9.94	-20.70	-2.18	-0.08	-0.81	6.87
4	28	2.19	0.73	1.48e-04	-6.34	0.0	25.84	-1.58	1.99	0.08	-0.31	2.19
		-0.37	-0.31	2.61e-04	0.0	52.2	25.84	-7.92	1.99	0.08	0.73	-0.37
4	29	19.77	0.31	4.12e-04	-6.34	0.0	-20.66	-19.38	-2.00	-0.08	0.31	19.77
		8.07	-0.73	-2.61e-04	0.0	52.2	-20.66	-25.71	-2.00	-0.08	-0.73	8.07
4	47	6.67	0.84	2.44e-04	-6.34	0.0	12.60	-7.34	2.25	0.07	-0.27	6.67
		1.20	-0.27	1.75e-04	0.0	52.2	12.60	-13.68	2.25	0.07	0.84	1.20
4	50	15.28	0.27	3.16e-04	-6.34	0.0	-7.42	-13.61	-2.25	-0.07	0.27	15.28
		6.51	-0.85	-1.75e-04	0.0	52.2	-7.42	-19.95	-2.25	-0.07	-0.85	6.51
4	60	3.11	0.77	1.58e-04	-6.34	0.0	22.74	-2.51	2.08	0.07	-0.32	3.11
		0.04	-0.32	2.03e-04	0.0	52.2	22.74	-8.85	2.08	0.07	0.77	0.04
4	61	18.84	0.32	4.02e-04	-6.34	0.0	-17.56	-18.45	-2.09	-0.07	0.32	18.84
		7.66	-0.78	-2.03e-04	0.0	52.2	-17.56	-24.78	-2.09	-0.07	-0.78	7.66
4	76	3.44	0.46	1.28e-04	-6.34	0.0	22.87	-1.52	1.22	9.40e-03	-0.18	3.44
		0.89	-0.18	5.95e-05	0.0	52.2	22.87	-7.86	1.22	9.40e-03	0.46	0.89
4	77	18.51	0.18	4.32e-04	-6.34	0.0	-17.69	-19.44	-1.23	-9.92e-03	0.18	18.51
		6.81	-0.46	-5.92e-05	0.0	52.2	-17.69	-25.77	-1.23	-9.92e-03	-0.46	6.81
4	79	7.23	0.75	2.49e-04	-6.34	0.0	11.21	-7.77	2.01	0.06	-0.24	7.23
		1.53	-0.24	1.51e-04	0.0	52.2	11.21	-14.11	2.01	0.06	0.75	1.53
4	82	14.73	0.24	3.11e-04	-6.34	0.0	-6.03	-13.19	-2.01	-0.06	0.24	14.73
		6.17	-0.76	-1.51e-04	0.0	52.2	-6.03	-19.52	-2.01	-0.06	-0.76	6.17
4	92	4.06	0.69	1.72e-04	-6.34	0.0	20.23	-3.47	1.86	0.06	-0.28	4.06
		0.50	-0.28	1.75e-04	0.0	52.2	20.23	-9.81	1.86	0.06	0.69	0.50
4	93	17.89	0.28	3.88e-04	-6.34	0.0	-15.05	-17.48	-1.87	-0.06	0.28	17.89
		7.21	-0.69	-1.74e-04	0.0	52.2	-15.05	-23.82	-1.87	-0.06	-0.69	7.21

4	108	4.28	0.41	1.45e-04	-6.34	0.0	20.58	-2.51	1.10	7.85e-03	-0.16	4.28
		1.22	-0.16	5.16e-05	0.0	52.2	20.58	-8.85	1.10	7.85e-03	0.41	1.22
4	109	17.67	0.16	4.15e-04	-6.34	0.0	-15.40	-18.44	-1.10	-8.37e-03	0.16	17.67
		6.49	-0.41	-5.13e-05	0.0	52.2	-15.40	-24.78	-1.10	-8.37e-03	-0.41	6.49
4	111	4.65	0.95	2.25e-04	-6.34	0.0	18.49	-5.56	2.56	0.10	-0.33	4.65
		0.11	-0.33	2.70e-04	0.0	52.2	18.49	-11.89	2.56	0.10	0.95	0.11
4	114	17.30	0.33	3.35e-04	-6.34	0.0	-13.31	-15.40	-2.56	-0.10	0.33	17.30
		7.59	-0.96	-2.70e-04	0.0	52.2	-13.31	-21.74	-2.56	-0.10	-0.96	7.59
4	124	0.11	0.86	1.19e-04	-6.34	0.0	31.56	0.52	2.34	0.10	-0.37	0.11
		-1.36	-0.37	3.35e-04	0.0	52.2	31.56	-5.82	2.34	0.10	0.86	-1.36
4	125	21.85	0.37	4.41e-04	-6.34	0.0	-26.38	-21.47	-2.34	-0.10	0.37	21.85
		9.07	-0.86	-3.35e-04	0.0	52.2	-26.38	-27.81	-2.34	-0.10	-0.86	9.07
4	143	7.51	-2.42e-04	1.94e-04	-3.52	0.0	1.69	-7.64	-1.64e-03	-1.62e-04	-2.42e-04	7.51
		2.60	-1.07e-03	0.0	0.0	52.2	1.69	-11.16	-1.64e-03	-1.62e-04	-1.07e-03	2.60
4	146	14.03	-4.31e-04	3.56e-04	-8.22	0.0	3.35	-13.30	-3.40e-03	-2.97e-04	-4.31e-04	14.03
		4.95	-2.15e-03	0.0	0.0	52.2	3.35	-21.51	-3.40e-03	-2.97e-04	-2.15e-03	4.95
4	150	7.51	-2.42e-04	1.94e-04	-3.52	0.0	1.69	-7.64	-1.64e-03	-1.62e-04	-2.42e-04	7.51
		2.60	-1.07e-03	0.0	0.0	52.2	1.69	-11.16	-1.64e-03	-1.62e-04	-1.07e-03	2.60
4	151	11.55	-3.45e-04	2.94e-04	-6.81	0.0	2.74	-10.95	-2.81e-03	-2.75e-04	-3.45e-04	11.55
		4.06	-1.76e-03	0.0	0.0	52.2	2.74	-17.76	-2.81e-03	-2.75e-04	-1.76e-03	4.06
4	155	7.51	-2.42e-04	1.94e-04	-3.52	0.0	1.69	-7.64	-1.64e-03	-1.62e-04	-2.42e-04	7.51
		2.60	-1.07e-03	0.0	0.0	52.2	1.69	-11.16	-1.64e-03	-1.62e-04	-1.07e-03	2.60
4	156	10.98	-3.31e-04	2.80e-04	-6.34	0.0	2.59	-10.48	-2.64e-03	-2.59e-04	-3.31e-04	10.98
		3.85	-1.66e-03	0.0	0.0	52.2	2.59	-16.81	-2.64e-03	-2.59e-04	-1.66e-03	3.85
5	4	20.09	6.17e-04	3.08e-05	-11.93	0.0	7.71	10.77	-2.63e-03	-6.14e-04	6.17e-04	17.55
		17.55	-6.62e-04	0.0	0.0	52.2	7.71	-1.16	-2.63e-03	-6.14e-04	-6.62e-04	20.06
5	5	7.00	1.82e-04	1.45e-05	-3.20	0.0	2.65	3.19	-8.73e-04	-2.25e-04	1.82e-04	6.17
		6.17	-2.41e-04	0.0	0.0	52.2	2.65	-0.01	-8.73e-04	-2.25e-04	-2.41e-04	7.00
5	15	7.04	-0.23	9.51e-05	-6.34	0.0	12.94	1.11	0.94	0.12	-0.76	6.99
		5.91	-0.76	2.34e-04	0.0	52.2	12.94	-5.23	0.94	0.12	-0.23	5.91
5	18	16.04	0.76	-6.15e-05	-6.34	0.0	-4.53	10.39	-0.94	-0.12	0.76	12.27
		12.27	0.23	-2.34e-04	0.0	52.2	-4.53	4.05	-0.94	-0.12	0.23	16.04
5	28	4.61	-0.26	1.14e-04	-6.34	0.0	19.23	-1.49	0.66	0.12	-0.69	4.61
		2.19	-0.69	2.79e-04	0.0	52.2	19.23	-7.83	0.66	0.12	-0.26	2.19
5	29	19.77	0.69	-7.91e-05	-6.34	0.0	-10.81	12.99	-0.66	-0.12	0.69	14.65
		14.65	0.26	-2.79e-04	0.0	52.2	-10.81	6.65	-0.66	-0.12	0.26	19.77
5	47	7.51	-0.23	8.16e-05	-6.34	0.0	11.22	1.79	0.98	0.10	-0.79	7.38
		6.67	-0.79	1.93e-04	0.0	52.2	11.22	-4.54	0.98	0.10	-0.23	6.67
5	50	15.28	0.79	-5.06e-05	-6.34	0.0	-2.81	9.70	-0.99	-0.10	0.79	11.88
		11.88	0.23	-1.93e-04	0.0	52.2	-2.81	3.36	-0.99	-0.10	0.23	15.28
5	60	5.09	-0.27	9.72e-05	-6.34	0.0	17.08	-0.64	0.70	0.09	-0.72	5.09
		3.11	-0.72	2.19e-04	0.0	52.2	17.08	-6.97	0.70	0.09	-0.27	3.11
5	61	18.84	0.72	-6.48e-05	-6.34	0.0	-8.67	12.13	-0.70	-0.09	0.72	14.17
		14.17	0.27	-2.19e-04	0.0	52.2	-8.67	5.80	-0.70	-0.09	0.27	18.84
5	79	7.89	-0.20	7.31e-05	-6.34	0.0	10.25	2.31	0.88	0.09	-0.70	7.67
		7.23	-0.70	1.67e-04	0.0	52.2	10.25	-4.03	0.88	0.09	-0.20	7.23
5	82	14.73	0.71	-4.41e-05	-6.34	0.0	-1.84	9.19	-0.88	-0.09	0.71	11.59
		11.59	0.20	-1.67e-04	0.0	52.2	-1.84	2.85	-0.88	-0.09	0.20	14.73
5	92	5.63	-0.24	8.70e-05	-6.34	0.0	15.46	0.14	0.62	0.08	-0.65	5.63
		4.06	-0.65	1.89e-04	0.0	52.2	15.46	-6.19	0.62	0.08	-0.24	4.06
5	93	17.89	0.65	-5.64e-05	-6.34	0.0	-7.05	11.35	-0.63	-0.08	0.65	13.63
		13.63	0.24	-1.89e-04	0.0	52.2	-7.05	5.02	-0.63	-0.08	0.24	17.89
5	111	6.32	-0.27	1.15e-04	-6.34	0.0	15.28	-0.05	1.10	0.14	-0.89	6.32
		4.65	-0.89	2.94e-04	0.0	52.2	15.28	-6.38	1.10	0.14	-0.27	4.65
5	114	17.30	0.89	-7.89e-05	-6.34	0.0	-6.87	11.54	-1.11	-0.14	0.89	12.93
		12.93	0.27	-2.94e-04	0.0	52.2	-6.87	5.20	-1.11	-0.14	0.27	17.30
5	124	3.44	-0.31	1.40e-04	-6.34	0.0	22.98	-3.24	0.77	0.15	-0.80	3.44
		0.10	-0.80	3.58e-04	0.0	52.2	22.98	-9.58	0.77	0.15	-0.31	0.10
5	125	21.85	0.81	-1.03e-04	-6.34	0.0	-14.57	14.74	-0.78	-0.15	0.81	15.82
		15.82	0.31	-3.57e-04	0.0	52.2	-14.57	8.40	-0.78	-0.15	0.31	21.85
5	143	7.51	1.99e-04	1.51e-05	-3.52	0.0	2.84	3.47	-9.44e-04	-2.35e-04	1.99e-04	6.61
		6.61	-2.59e-04	0.0	0.0	52.2	2.84	-0.04	-9.44e-04	-2.35e-04	-2.59e-04	7.51
5	146	14.05	4.26e-04	2.21e-05	-8.22	0.0	5.39	7.45	-1.83e-03	-4.34e-04	4.26e-04	12.29
		12.29	-4.64e-04	0.0	0.0	52.2	5.39	-0.76	-1.83e-03	-4.34e-04	-4.64e-04	14.03
5	150	7.51	1.99e-04	1.51e-05	-3.52	0.0	2.84	3.47	-9.44e-04	-2.35e-04	1.99e-04	6.61
		6.61	-2.59e-04	0.0	0.0	52.2	2.84	-0.04	-9.44e-04	-2.35e-04	-2.59e-04	7.51
5	151	11.57	3.43e-04	1.92e-05	-6.81	0.0	4.43	6.13	-1.48e-03	-3.94e-04	3.43e-04	10.13
		10.13	-3.73e-04	0.0	0.0	52.2	4.43	-0.68	-1.48e-03	-3.94e-04	-3.73e-04	11.55
5	154	11.29	3.31e-04	1.91e-05	-6.34	0.0	4.31	5.82	-1.45e-03	-3.60e-04	3.31e-04	9.89
		9.89	-3.74e-04	0.0	0.0	52.2	4.31	-0.51	-1.45e-03	-3.60e-04	-3.74e-04	11.27
5	155	7.51	1.99e-04	1.51e-05	-3.52	0.0	2.84	3.47	-9.44e-04	-2.35e-04	1.99e-04	6.61
		6.61	-2.59e-04	0.0	0.0	52.2	2.84	-0.04	-9.44e-04	-2.35e-04	-2.59e-04	7.51
5	156	10.99	3.23e-04	1.86e-05	-6.34	0.0	4.21	5.75	-1.41e-03	-3.72e-04	3.23e-04	9.63
		9.63	-3.57e-04	0.0	0.0	52.2	4.21	-0.59	-1.41e-03	-3.72e-04	-3.57e-04	10.98
6	4	17.55	1.36e-03	-1.59e-04	-11.93	0.0	6.03	15.05	-1.72e-03	-9.41e-04	1.36e-03	12.81

		12.81	5.69e-04	0.0	0.0	52.2	6.03	3.11	-1.72e-03	-9.41e-04	5.69e-04	17.55
6	5	6.17	4.90e-04	-5.23e-05	-3.20	0.0	2.12	4.72	-7.03e-04	-3.33e-04	4.90e-04	4.54
		4.54	1.64e-04	0.0	0.0	52.2	2.12	1.52	-7.03e-04	-3.33e-04	1.64e-04	6.17
6	15	7.15	-0.71	1.66e-04	-6.34	0.0	9.73	4.31	-0.06	0.10	-0.71	6.38
		6.38	-0.74	2.75e-04	0.0	52.2	9.73	-2.03	-0.06	0.10	-0.74	6.99
6	18	12.27	0.74	-3.36e-04	-6.34	0.0	-3.10	11.89	0.06	-0.10	0.74	7.74
		7.74	0.71	-2.74e-04	0.0	52.2	-3.10	5.55	0.06	-0.10	0.74	12.27
6	28	5.23	-0.62	2.74e-04	-6.34	0.0	12.79	2.40	-0.10	0.11	-0.62	4.98
		4.61	-0.67	3.14e-04	0.0	52.2	12.79	-3.93	-0.10	0.11	-0.67	4.61
6	29	14.65	0.67	-4.44e-04	-6.34	0.0	-6.16	13.79	0.10	-0.11	0.67	9.13
		9.13	0.62	-3.14e-04	0.0	52.2	-6.16	7.46	0.10	-0.11	0.67	14.65
6	47	7.47	-0.74	1.69e-04	-6.34	0.0	8.55	4.86	-0.05	0.09	-0.74	6.48
		6.48	-0.77	2.32e-04	0.0	52.2	8.55	-1.48	-0.05	0.09	-0.77	7.38
6	50	11.88	0.77	-3.40e-04	-6.34	0.0	-1.92	11.34	0.05	-0.09	0.77	7.63
		7.63	0.74	-2.31e-04	0.0	52.2	-1.92	5.00	0.05	-0.09	0.77	11.88
6	60	5.51	-0.66	2.69e-04	-6.34	0.0	11.29	3.08	-0.10	0.09	-0.66	5.10
		5.09	-0.71	2.52e-04	0.0	52.2	11.29	-3.26	-0.10	0.09	-0.71	5.09
6	61	14.17	0.71	-4.40e-04	-6.34	0.0	-4.67	13.12	0.10	-0.09	0.66	9.01
		9.01	0.66	-2.51e-04	0.0	52.2	-4.67	6.78	0.10	-0.09	0.71	14.17
6	76	5.26	-0.40	6.75e-05	-6.34	0.0	9.86	3.83	-0.06	0.01	-0.40	4.64
		4.64	-0.42	5.62e-05	0.0	52.2	9.86	-2.51	-0.06	0.01	-0.42	5.01
6	77	14.25	0.42	-2.38e-04	-6.34	0.0	-3.23	12.37	0.05	-0.02	0.40	9.47
		9.47	0.40	-5.59e-05	0.0	52.2	-3.23	6.03	0.05	-0.02	0.42	14.25
6	79	7.72	-0.66	1.42e-04	-6.34	0.0	7.83	5.27	-0.05	0.08	-0.66	6.56
		6.56	-0.69	2.01e-04	0.0	52.2	7.83	-1.06	-0.05	0.08	-0.69	7.67
6	82	11.59	0.69	-3.13e-04	-6.34	0.0	-1.21	10.92	0.05	-0.08	0.66	7.55
		7.55	0.66	-2.01e-04	0.0	52.2	-1.21	4.59	0.05	-0.08	0.69	11.59
6	92	5.91	-0.59	2.30e-04	-6.34	0.0	10.27	3.69	-0.09	0.07	-0.59	5.33
		5.33	-0.63	2.18e-04	0.0	52.2	10.27	-2.65	-0.09	0.07	-0.63	5.63
6	93	13.63	0.63	-4.01e-04	-6.34	0.0	-3.64	12.51	0.09	-0.08	0.59	8.79
		8.79	0.59	-2.17e-04	0.0	52.2	-3.64	6.17	0.09	-0.08	0.63	13.63
6	108	5.68	-0.36	5.10e-05	-6.34	0.0	9.10	4.31	-0.05	0.01	-0.36	4.90
		4.90	-0.38	4.83e-05	0.0	52.2	9.10	-2.03	-0.05	0.01	-0.38	5.52
6	109	13.74	0.38	-2.22e-04	-6.34	0.0	-2.48	11.89	0.05	-0.01	0.36	9.21
		9.21	0.36	-4.81e-05	0.0	52.2	-2.48	5.55	0.05	-0.01	0.38	13.74
6	111	6.68	-0.83	2.12e-04	-6.34	0.0	11.40	3.37	-0.07	0.13	-0.83	6.20
		6.20	-0.87	3.43e-04	0.0	52.2	11.40	-2.96	-0.07	0.13	-0.87	6.32
6	114	12.93	0.87	-3.83e-04	-6.34	0.0	-4.77	12.82	0.07	-0.13	0.83	7.91
		7.91	0.83	-3.43e-04	0.0	52.2	-4.77	6.49	0.07	-0.13	0.87	12.93
6	124	4.58	-0.73	3.46e-04	-6.34	0.0	15.21	1.02	-0.12	0.13	-0.73	4.53
		3.44	-0.78	4.00e-04	0.0	52.2	15.21	-5.31	-0.12	0.13	-0.78	3.44
6	125	15.82	0.78	-5.17e-04	-6.34	0.0	-8.58	15.17	0.12	-0.14	0.73	9.58
		9.58	0.73	-4.00e-04	0.0	52.2	-8.58	8.84	0.12	-0.14	0.78	15.82
6	143	6.61	5.26e-04	-5.65e-05	-3.52	0.0	2.27	5.12	-7.45e-04	-3.50e-04	5.26e-04	4.86
		4.86	1.81e-04	0.0	0.0	52.2	2.27	1.60	-7.45e-04	-3.50e-04	1.81e-04	6.61
6	146	12.29	9.50e-04	-1.11e-04	-8.22	0.0	4.22	10.45	-1.22e-03	-6.62e-04	9.50e-04	8.98
		8.98	3.93e-04	0.0	0.0	52.2	4.22	2.24	-1.22e-03	-6.62e-04	3.93e-04	12.29
6	150	6.61	5.26e-04	-5.65e-05	-3.52	0.0	2.27	5.12	-7.45e-04	-3.50e-04	5.26e-04	4.86
		4.86	1.81e-04	0.0	0.0	52.2	2.27	1.60	-7.45e-04	-3.50e-04	1.81e-04	6.61
6	151	10.13	7.69e-04	-9.03e-05	-6.81	0.0	3.49	8.60	-1.00e-03	-5.91e-04	7.69e-04	7.42
		7.42	3.14e-04	0.0	0.0	52.2	3.49	1.79	-1.00e-03	-5.91e-04	3.14e-04	10.13
6	155	6.61	5.26e-04	-5.65e-05	-3.52	0.0	2.27	5.12	-7.45e-04	-3.50e-04	5.26e-04	4.86
		4.86	1.81e-04	0.0	0.0	52.2	2.27	1.60	-7.45e-04	-3.50e-04	1.81e-04	6.61
6	156	9.63	7.35e-04	-8.54e-05	-6.34	0.0	3.31	8.10	-9.67e-04	-5.56e-04	7.35e-04	7.06
		7.06	2.95e-04	0.0	0.0	52.2	3.31	1.76	-9.67e-04	-5.56e-04	2.95e-04	9.63
7	4	12.81	2.67e-03	-2.89e-04	-11.93	0.0	1.28	17.34	-2.98e-03	-1.53e-03	2.67e-03	6.88
		6.88	1.29e-03	0.0	0.0	52.2	1.28	5.40	-2.98e-03	-1.53e-03	1.29e-03	12.81
7	5	4.54	1.09e-03	-9.85e-05	-3.20	0.0	0.50	5.56	-1.32e-03	-5.16e-04	1.09e-03	2.47
		2.47	4.66e-04	0.0	0.0	52.2	0.50	2.36	-1.32e-03	-5.16e-04	4.66e-04	4.54
7	15	6.38	-0.19	-1.57e-04	-6.34	0.0	5.22	6.45	-1.04	0.10	-0.19	4.73
		4.73	-0.73	3.11e-04	0.0	52.2	5.22	0.11	-1.04	0.10	-0.73	6.38
7	18	7.74	0.73	-1.57e-04	-6.34	0.0	-3.76	12.31	1.03	-0.11	0.73	2.89
		2.89	0.19	-3.11e-04	0.0	52.2	-3.76	5.98	1.03	-0.11	0.73	7.74
7	27	6.15	-0.15	-2.06e-04	-6.34	0.0	5.26	6.38	-0.76	0.12	-0.15	4.65
		4.65	-0.51	3.64e-04	0.0	52.2	5.26	0.04	-0.76	0.12	-0.51	6.14
7	30	7.97	0.51	-1.08e-04	-6.34	0.0	-3.80	12.38	0.76	-0.12	0.51	2.97
		2.97	0.15	-3.64e-04	0.0	52.2	-3.80	6.04	0.76	-0.12	0.51	7.97
7	42	5.47	0.11	-1.06e-04	-6.34	0.0	-1.12	8.39	-0.01	-0.06	0.11	2.70
		2.70	-6.49e-03	-1.30e-04	0.0	52.2	-1.12	2.06	-0.01	-0.06	-6.49e-03	5.47
7	45	9.43	0.38	-2.03e-04	-6.34	0.0	-0.03	12.48	0.54	-0.01	-0.01	4.55
		4.55	-0.01	-7.26e-05	0.0	52.2	-0.03	6.14	0.54	-0.01	0.38	9.43
7	47	6.48	-0.20	-1.74e-04	-6.34	0.0	4.61	6.85	-1.08	0.10	-0.20	4.64
		4.64	-0.76	2.67e-04	0.0	52.2	4.61	0.51	-1.08	0.10	-0.76	6.48
7	50	7.63	0.76	-1.41e-04	-6.34	0.0	-3.15	11.91	1.08	-0.10	0.76	2.98
		2.98	0.20	-2.67e-04	0.0	52.2	-3.15	5.57	1.08	-0.10	0.76	7.63

7	51	6.58	-0.20	-1.76e-04	-6.34	0.0	4.64	6.95	-0.89	0.11	-0.20	4.69
		4.69	-0.62	2.90e-04	0.0	52.2	4.64	0.61	-0.89	0.11	-0.62	6.58
7	54	7.53	0.62	-1.38e-04	-6.34	0.0	-3.17	11.81	0.88	-0.11	0.20	2.94
		2.94	0.20	-2.90e-04	0.0	52.2	-3.17	5.47	0.88	-0.11	0.62	7.53
7	74	5.37	0.12	-9.87e-05	-6.34	0.0	-1.01	8.19	-0.03	-0.06	0.12	2.69
		2.69	-0.02	-1.21e-04	0.0	52.2	-1.01	1.85	-0.03	-0.06	-0.02	5.37
7	77	9.47	0.41	-2.04e-04	-6.34	0.0	0.30	12.42	0.59	-6.37e-03	-0.01	4.61
		4.61	-0.01	-4.98e-05	0.0	52.2	0.30	6.08	0.59	-6.37e-03	0.41	9.47
7	79	6.56	-0.18	-1.74e-04	-6.34	0.0	4.11	7.18	-0.97	0.08	-0.18	4.54
		4.54	-0.68	2.33e-04	0.0	52.2	4.11	0.84	-0.97	0.08	-0.68	6.56
7	82	7.55	0.68	-1.41e-04	-6.34	0.0	-2.65	11.59	0.96	-0.09	0.18	3.08
		3.08	0.18	-2.33e-04	0.0	52.2	-2.65	5.25	0.96	-0.09	0.68	7.55
7	83	6.64	-0.18	-1.76e-04	-6.34	0.0	4.14	7.26	-0.79	0.10	-0.18	4.58
		4.58	-0.56	2.53e-04	0.0	52.2	4.14	0.92	-0.79	0.10	-0.56	6.64
7	86	7.47	0.56	-1.38e-04	-6.34	0.0	-2.67	11.50	0.79	-0.10	0.18	3.05
		3.05	0.18	-2.53e-04	0.0	52.2	-2.67	5.16	0.79	-0.10	0.56	7.47
7	106	5.55	0.10	-1.04e-04	-6.34	0.0	-0.80	8.30	-0.03	-0.05	0.10	2.81
		2.81	-0.02	-1.06e-04	0.0	52.2	-0.80	1.96	-0.03	-0.05	-0.02	5.55
7	109	9.21	0.37	-1.99e-04	-6.34	0.0	0.38	12.08	0.53	-5.22e-03	-0.01	4.52
		4.52	-0.01	-4.24e-05	0.0	52.2	0.38	5.74	0.53	-5.22e-03	0.37	9.21
7	111	6.22	-0.22	-1.50e-04	-6.34	0.0	6.31	5.73	-1.21	0.13	-0.22	4.94
		4.94	-0.85	3.88e-04	0.0	52.2	6.31	-0.61	-1.21	0.13	-0.85	6.22
7	114	7.91	0.85	-1.64e-04	-6.34	0.0	-4.84	13.03	1.21	-0.13	0.22	2.69
		2.69	0.22	-3.87e-04	0.0	52.2	-4.84	6.69	1.21	-0.13	0.85	7.91
7	123	5.94	-0.17	-2.14e-04	-6.34	0.0	6.47	5.56	-0.89	0.15	-0.17	4.83
		4.83	-0.60	4.59e-04	0.0	52.2	6.47	-0.77	-0.89	0.15	-0.60	5.94
7	126	8.23	0.60	-1.00e-04	-6.34	0.0	-5.01	13.20	0.89	-0.15	0.18	2.80
		2.80	0.18	-4.58e-04	0.0	52.2	-5.01	6.86	0.89	-0.15	0.60	8.23
7	138	5.23	0.12	-9.93e-05	-6.34	0.0	-1.51	8.30	-4.87e-03	-0.07	0.12	2.50
		2.50	-2.88e-03	-1.57e-04	0.0	52.2	-1.51	1.96	-4.87e-03	-0.07	-2.88e-03	5.23
7	141	9.86	0.44	-2.11e-04	-6.34	0.0	-0.31	13.09	0.63	-0.02	-0.01	4.66
		4.66	-0.01	-9.70e-05	0.0	52.2	-0.31	6.75	0.63	-0.02	0.44	9.86
7	143	4.86	1.15e-03	-1.06e-04	-3.52	0.0	0.52	6.01	-1.38e-03	-5.48e-04	1.15e-03	2.64
		2.64	5.01e-04	0.0	0.0	52.2	0.52	2.49	-1.38e-03	-5.48e-04	5.01e-04	4.86
7	146	8.98	1.89e-03	-2.02e-04	-8.22	0.0	0.91	12.06	-2.13e-03	-1.07e-03	1.89e-03	4.83
		4.83	9.04e-04	0.0	0.0	52.2	0.91	3.84	-2.13e-03	-1.07e-03	9.04e-04	8.98
7	150	4.86	1.15e-03	-1.06e-04	-3.52	0.0	0.52	6.01	-1.38e-03	-5.48e-04	1.15e-03	2.64
		2.64	5.01e-04	0.0	0.0	52.2	0.52	2.49	-1.38e-03	-5.48e-04	5.01e-04	4.86
7	151	7.42	1.58e-03	-1.66e-04	-6.81	0.0	0.77	9.94	-1.84e-03	-9.37e-04	1.58e-03	4.01
		4.01	7.29e-04	0.0	0.0	52.2	0.77	3.14	-1.84e-03	-9.37e-04	7.29e-04	7.42
7	155	4.86	1.15e-03	-1.06e-04	-3.52	0.0	0.52	6.01	-1.38e-03	-5.48e-04	1.15e-03	2.64
		2.64	5.01e-04	0.0	0.0	52.2	0.52	2.49	-1.38e-03	-5.48e-04	5.01e-04	4.86
7	156	7.06	1.52e-03	-1.57e-04	-6.34	0.0	0.73	9.38	-1.77e-03	-8.81e-04	1.52e-03	3.81
		3.81	6.96e-04	0.0	0.0	52.2	0.73	3.04	-1.77e-03	-8.81e-04	6.96e-04	7.06
8	4	6.88	7.73e-03	-4.43e-04	-11.93	0.0	-6.84	26.58	-0.01	-1.98e-03	7.73e-03	-3.88
		-3.88	2.55e-03	0.0	0.0	52.2	-6.84	14.65	-0.01	-1.98e-03	2.55e-03	6.88
8	5	2.47	3.17e-03	-1.54e-04	-3.20	0.0	-2.33	8.88	-4.29e-03	-6.20e-04	3.17e-03	-1.32
		-1.32	1.05e-03	0.0	0.0	52.2	-2.33	5.67	-4.29e-03	-6.20e-04	1.05e-03	2.47
8	15	4.73	0.90	-2.03e-04	-6.34	0.0	-1.08	15.47	-2.17	0.12	0.90	-0.87
		-0.87	-0.24	3.22e-04	0.0	52.2	-1.08	9.13	-2.17	0.12	-0.24	4.73
8	18	2.89	0.24	-2.83e-04	-6.34	0.0	-6.36	13.56	2.16	-0.12	-0.89	-3.35
		-3.35	-0.89	-3.22e-04	0.0	52.2	-6.36	7.23	2.16	-0.12	0.24	2.89
8	39	4.93	6.59e-03	-2.82e-04	-6.34	0.0	0.72	13.43	0.02	0.06	-3.40e-03	-1.24
		-1.24	-3.40e-03	1.34e-04	0.0	52.2	0.72	7.10	0.02	0.06	6.59e-03	4.93
8	43	4.89	0.02	-2.86e-04	-6.34	0.0	0.72	13.49	0.11	0.06	-0.04	-1.24
		-1.24	-0.04	1.43e-04	0.0	52.2	0.72	7.16	0.11	0.06	0.02	4.89
8	46	2.73	0.05	-1.99e-04	-6.34	0.0	-8.17	15.54	-0.12	-0.07	0.05	-2.98
		-2.98	-0.02	-1.43e-04	0.0	52.2	-8.17	9.20	-0.12	-0.07	-0.02	2.73
8	47	4.64	0.94	-2.18e-04	-6.34	0.0	-0.96	15.53	-2.28	0.11	0.94	-0.89
		-0.89	-0.25	2.78e-04	0.0	52.2	-0.96	9.20	-2.28	0.11	-0.25	4.64
8	50	2.98	0.25	-2.67e-04	-6.34	0.0	-6.49	13.50	2.27	-0.11	-0.93	-3.33
		-3.33	-0.93	-2.78e-04	0.0	52.2	-6.49	7.16	2.27	-0.11	0.25	2.98
8	58	3.06	0.21	-2.45e-04	-6.34	0.0	-6.60	13.26	1.99	-0.11	-0.83	-3.35
		-3.35	-0.83	-2.87e-04	0.0	52.2	-6.60	6.92	1.99	-0.11	0.21	3.06
8	71	4.94	9.06e-03	-2.88e-04	-6.34	0.0	0.91	13.34	0.05	0.06	-0.02	-1.18
		-1.18	-0.02	1.26e-04	0.0	52.2	0.91	7.00	0.05	0.06	9.06e-03	4.94
8	75	4.91	0.02	-2.95e-04	-6.34	0.0	0.94	13.41	0.13	0.06	-0.05	-1.17
		-1.17	-0.05	1.28e-04	0.0	52.2	0.94	7.07	0.13	0.06	0.02	4.91
8	78	2.71	0.06	-1.90e-04	-6.34	0.0	-8.39	15.62	-0.15	-0.06	0.06	-3.05
		-3.05	-0.02	-1.28e-04	0.0	52.2	-8.39	9.29	-0.15	-0.06	-0.02	2.71
8	79	4.54	0.84	-2.23e-04	-6.34	0.0	-1.25	15.43	-2.04	0.09	0.84	-1.02
		-1.02	-0.23	2.42e-04	0.0	52.2	-1.25	9.09	-2.04	0.09	-0.23	4.54
8	82	3.08	0.23	-2.62e-04	-6.34	0.0	-6.20	13.60	2.03	-0.10	-0.83	-3.20
		-3.20	-0.83	-2.42e-04	0.0	52.2	-6.20	7.26	2.03	-0.10	0.23	3.08
8	90	3.15	0.19	-2.42e-04	-6.34	0.0	-6.31	13.39	1.78	-0.09	-0.74	-3.22

8	103	-3.22	-0.74	-2.50e-04	0.0	52.2	-6.31	7.05	1.78	-0.09	0.19	3.15
		4.81	8.46e-03	-2.84e-04	-6.34	0.0	0.41	13.45	0.05	0.06	-0.02	-1.27
		-1.27	-0.02	1.10e-04	0.0	52.2	0.41	7.11	0.05	0.06	8.46e-03	4.81
8	107	4.79	0.02	-2.90e-04	-6.34	0.0	0.45	13.51	0.12	0.05	-0.04	-1.27
		-1.27	-0.04	1.13e-04	0.0	52.2	0.45	7.18	0.12	0.05	0.02	4.79
8	110	2.83	0.05	-1.95e-04	-6.34	0.0	-7.89	15.52	-0.13	-0.06	0.05	-2.95
		-2.95	-0.02	-1.13e-04	0.0	52.2	-7.89	9.18	-0.13	-0.06	-0.02	2.83
8	111	4.94	1.05	-1.89e-04	-6.34	0.0	-0.64	15.61	-2.54	0.14	1.05	-0.63
		-0.63	-0.28	4.00e-04	0.0	52.2	-0.64	9.28	-2.54	0.14	-0.28	4.94
8	114	2.69	0.28	-2.96e-04	-6.34	0.0	-6.81	13.42	2.53	-0.14	-1.04	-3.59
		-3.59	-1.04	-4.00e-04	0.0	52.2	-6.81	7.08	2.53	-0.14	0.28	2.69
8	135	5.13	6.51e-03	-2.86e-04	-6.34	0.0	1.46	13.26	0.01	0.07	1.28e-03	-1.09
		-1.09	1.28e-03	1.62e-04	0.0	52.2	1.46	6.93	0.01	0.07	6.51e-03	5.13
8	138	2.50	7.70e-03	-1.99e-04	-6.34	0.0	-8.90	15.77	-0.02	-0.08	7.70e-03	-3.13
		-3.13	-3.61e-03	-1.62e-04	0.0	52.2	-8.90	9.43	-0.02	-0.08	-3.61e-03	2.50
8	143	2.64	3.34e-03	-1.65e-04	-3.52	0.0	-2.51	9.55	-4.51e-03	-6.64e-04	3.34e-03	-1.42
		-1.42	1.11e-03	0.0	0.0	52.2	-2.51	6.03	-4.51e-03	-6.64e-04	1.11e-03	2.64
8	146	4.83	5.49e-03	-3.10e-04	-8.22	0.0	-4.78	18.55	-7.49e-03	-1.38e-03	5.49e-03	-2.71
		-2.71	1.81e-03	0.0	0.0	52.2	-4.78	10.33	-7.49e-03	-1.38e-03	1.81e-03	4.83
8	150	2.64	3.34e-03	-1.65e-04	-3.52	0.0	-2.51	9.55	-4.51e-03	-6.64e-04	3.34e-03	-1.42
		-1.42	1.11e-03	0.0	0.0	52.2	-2.51	6.03	-4.51e-03	-6.64e-04	1.11e-03	2.64
8	151	4.01	4.69e-03	-2.56e-04	-6.81	0.0	-3.93	15.34	-6.47e-03	-1.19e-03	4.69e-03	-2.22
		-2.22	1.51e-03	0.0	0.0	52.2	-3.93	8.54	-6.47e-03	-1.19e-03	1.51e-03	4.01
8	155	2.64	3.34e-03	-1.65e-04	-3.52	0.0	-2.51	9.55	-4.51e-03	-6.64e-04	3.34e-03	-1.42
		-1.42	1.11e-03	0.0	0.0	52.2	-2.51	6.03	-4.51e-03	-6.64e-04	1.11e-03	2.64
8	156	3.81	4.49e-03	-2.43e-04	-6.34	0.0	-3.72	14.52	-6.19e-03	-1.12e-03	4.49e-03	-2.11
		-2.11	1.45e-03	0.0	0.0	52.2	-3.72	8.18	-6.19e-03	-1.12e-03	1.45e-03	3.81
9	4	-3.88	7.78e-03	-3.38e-04	-13.26	0.0	-2.03	15.69	0.04	-1.28e-03	-0.02	-9.14
		-9.14	-0.02	0.0	0.0	58.0	-2.03	2.43	0.04	-1.28e-03	7.78e-03	-3.88
9	5	-1.32	3.20e-03	-1.17e-04	-3.56	0.0	-0.64	4.97	0.02	-3.07e-04	-6.72e-03	-3.17
		-3.17	-6.72e-03	0.0	0.0	58.0	-0.64	1.41	0.02	-3.07e-04	3.20e-03	-1.32
9	15	0.71	0.89	-4.19e-05	-7.04	0.0	-2.77	0.18	1.47	0.12	0.07	0.68
		-0.68	0.07	3.07e-04	0.0	58.0	-2.77	-6.86	1.47	0.12	0.07	-0.87
9	18	-3.35	-0.09	-3.29e-04	-7.04	0.0	0.61	16.86	-1.43	-0.12	-0.09	-10.70
		-10.70	-0.88	-3.08e-04	0.0	58.0	0.61	9.82	-1.43	-0.12	-0.88	-3.35
9	20	1.37	0.89	-1.06e-05	-7.04	0.0	-3.61	-1.36	1.47	0.12	0.07	1.37
		-1.21	0.07	3.07e-04	0.0	58.0	-3.61	-8.40	1.47	0.12	0.07	-1.21
9	21	-3.01	-0.09	-3.72e-04	-7.04	0.0	1.45	18.40	-1.42	-0.12	-0.09	-11.39
		-11.39	-0.88	-3.08e-04	0.0	58.0	1.45	11.36	-1.42	-0.12	-0.88	-3.01
9	24	1.20	0.63	-1.25e-05	-7.04	0.0	-4.05	-1.34	1.02	0.13	0.10	1.20
		-1.22	0.10	3.49e-04	0.0	58.0	-4.05	-8.38	1.02	0.13	0.63	-1.22
9	25	-3.00	-0.12	-3.68e-04	-7.04	0.0	1.89	18.38	-0.97	-0.13	-0.12	-11.22
		-11.22	-0.62	-3.50e-04	0.0	58.0	1.89	11.34	-0.97	-0.13	-0.62	-3.00
9	47	-3.63e-03	0.93	-6.80e-05	-7.04	0.0	-2.78	1.54	1.51	0.10	0.07	-0.24
		-0.89	0.07	2.60e-04	0.0	58.0	-2.78	-5.50	1.51	0.10	0.93	-0.89
9	50	-3.33	-0.09	-3.03e-04	-7.04	0.0	0.61	15.51	-1.46	-0.10	-0.09	-9.78
		-9.78	-0.92	-2.62e-04	0.0	58.0	0.61	8.46	-1.46	-0.10	-0.92	-3.33
9	52	0.49	0.93	-2.52e-05	-7.04	0.0	-3.70	-0.07	1.51	0.10	0.07	0.48
		-1.26	0.07	2.60e-04	0.0	58.0	-3.70	-7.11	1.51	0.10	0.93	-1.26
9	53	-2.96	-0.09	-3.47e-04	-7.04	0.0	1.54	17.11	-1.46	-0.10	-0.09	-10.50
		-10.50	-0.92	-2.61e-04	0.0	58.0	1.54	10.07	-1.46	-0.10	-0.92	-2.96
9	56	0.12	0.66	-3.91e-05	-7.04	0.0	-4.29	0.36	1.04	0.11	0.11	0.05
		-1.24	0.11	2.81e-04	0.0	58.0	-4.29	-6.68	1.04	0.11	0.66	-1.24
9	57	-2.98	-0.13	-3.31e-04	-7.04	0.0	2.12	16.68	-0.99	-0.11	-0.13	-10.07
		-10.07	-0.65	-2.82e-04	0.0	58.0	2.12	9.64	-0.99	-0.11	-0.65	-2.98
9	79	-0.44	0.83	-8.39e-05	-7.04	0.0	-2.59	2.46	1.35	0.09	0.06	-0.87
		-1.02	0.06	2.26e-04	0.0	58.0	-2.59	-4.58	1.35	0.09	0.83	-1.02
9	82	-3.20	-0.08	-2.87e-04	-7.04	0.0	0.43	14.58	-1.30	-0.09	-0.08	-9.15
		-9.15	-0.82	-2.27e-04	0.0	58.0	0.43	7.54	-1.30	-0.09	-0.82	-3.20
9	84	-0.13	0.83	-4.39e-05	-7.04	0.0	-3.42	1.03	1.35	0.09	0.06	-0.23
		-1.36	0.06	2.26e-04	0.0	58.0	-3.42	-6.01	1.35	0.09	0.83	-1.36
9	85	-2.86	-0.08	-3.27e-04	-7.04	0.0	1.26	16.01	-1.30	-0.09	-0.08	-9.79
		-9.79	-0.82	-2.27e-04	0.0	58.0	1.26	8.97	-1.30	-0.09	-0.82	-2.86
9	88	-0.40	0.59	-5.88e-05	-7.04	0.0	-3.95	1.43	0.93	0.09	0.10	-0.62
		-1.34	0.10	2.43e-04	0.0	58.0	-3.95	-5.61	0.93	0.09	0.59	-1.34
9	89	-2.88	-0.11	-3.12e-04	-7.04	0.0	1.79	15.61	-0.89	-0.09	-0.11	-9.40
		-9.40	-0.58	-2.44e-04	0.0	58.0	1.79	8.57	-0.89	-0.09	-0.58	-2.88
9	111	2.10	1.04	-1.44e-05	-7.04	0.0	-3.09	-1.92	1.74	0.15	0.09	2.10
		-0.63	0.09	3.83e-04	0.0	58.0	-3.09	-8.96	1.74	0.15	1.04	-0.63
9	114	-3.59	-0.11	-3.66e-04	-7.04	0.0	0.93	18.96	-1.69	-0.15	-0.11	-12.12
		-12.12	-1.03	-3.84e-04	0.0	58.0	0.93	11.92	-1.69	-0.15	-1.03	-3.59
9	120	2.87	0.74	4.64e-05	-7.04	0.0	-4.49	-3.93	1.21	0.17	0.12	2.87
		-1.05	0.12	4.44e-04	0.0	58.0	-4.49	-10.97	1.21	0.17	0.74	-1.05
9	121	-3.17	-0.13	-4.17e-04	-7.04	0.0	2.33	20.97	-1.16	-0.17	-0.13	-12.89
		-12.89	-0.73	-4.45e-04	0.0	58.0	2.33	13.93	-1.16	-0.17	-0.73	-3.17

9	124	2.94	0.91	5.05e-05	-7.04	0.0	-4.44	-4.02	1.47	0.16	0.09	2.94
		-1.04	0.09	4.43e-04	0.0	58.0	-4.44	-11.06	1.47	0.16	0.91	-1.04
9	125	-3.18	-0.11	-4.21e-04	-7.04	0.0	2.28	21.07	-1.42	-0.16	-0.11	-12.96
		-12.96	-0.90	-4.44e-04	0.0	58.0	2.28	14.03	-1.42	-0.16	-0.90	-3.18
9	143	-1.42	3.37e-03	-1.25e-04	-3.91	0.0	-0.69	5.37	0.02	-3.37e-04	-7.06e-03	-3.40
		-3.40	-7.06e-03	0.0	0.0	58.0	-0.69	1.46	0.02	-3.37e-04	3.37e-03	-1.42
9	146	-2.71	5.53e-03	-2.36e-04	-9.13	0.0	-1.41	10.91	0.03	-8.80e-04	-0.01	-6.39
		-6.39	-0.01	0.0	0.0	58.0	-1.41	1.78	0.03	-8.80e-04	5.53e-03	-2.71
9	150	-1.42	3.37e-03	-1.25e-04	-3.91	0.0	-0.69	5.37	0.02	-3.37e-04	-7.06e-03	-3.40
		-3.40	-7.06e-03	0.0	0.0	58.0	-0.69	1.46	0.02	-3.37e-04	3.37e-03	-1.42
9	151	-2.22	4.71e-03	-1.95e-04	-7.56	0.0	-1.15	9.05	0.02	-7.60e-04	-9.38e-03	-5.28
		-5.28	-9.38e-03	0.0	0.0	58.0	-1.15	1.48	0.02	-7.60e-04	4.71e-03	-2.22
9	155	-1.42	3.37e-03	-1.25e-04	-3.91	0.0	-0.69	5.37	0.02	-3.37e-04	-7.06e-03	-3.40
		-3.40	-7.06e-03	0.0	0.0	58.0	-0.69	1.46	0.02	-3.37e-04	3.37e-03	-1.42
9	156	-2.11	4.52e-03	-1.85e-04	-7.04	0.0	-1.08	8.52	0.02	-7.00e-04	-9.05e-03	-5.01
		-5.01	-9.05e-03	0.0	0.0	58.0	-1.08	1.48	0.02	-7.00e-04	4.52e-03	-2.11
10	4	-6.27	0.01	-9.65e-05	-12.00	0.0	-1.34	0.54	-0.05	-1.20e-04	0.01	-6.27
		-9.14	-0.02	1.05e-06	0.0	52.5	-1.34	-11.46	-0.05	-1.20e-04	-0.02	-9.14
10	5	-2.18	4.76e-03	-3.28e-05	-3.22	0.0	-0.41	-0.27	-0.02	1.24e-04	4.76e-03	-2.18
		-3.17	-6.75e-03	0.0	0.0	52.5	-0.41	-3.50	-0.02	1.24e-04	-6.75e-03	-3.17
10	20	1.37	0.07	-1.63e-04	-6.37	0.0	-2.83	12.85	0.15	0.08	-9.03e-03	-3.86
		-3.86	-9.03e-03	2.84e-04	0.0	52.5	-2.83	6.48	0.15	0.08	0.07	1.37
10	21	-3.03	0.02	5.78e-05	-6.37	0.0	1.41	-12.44	-0.22	-0.08	0.02	-3.03
		-11.39	-0.09	-2.83e-04	0.0	52.5	1.41	-18.81	-0.22	-0.08	-0.09	-11.39
10	24	1.20	0.11	-1.53e-04	-6.37	0.0	-3.24	12.20	0.22	0.09	-5.85e-03	-3.85
		-3.85	-5.85e-03	3.14e-04	0.0	52.5	-3.24	5.83	0.22	0.09	0.11	1.20
10	25	-3.04	0.02	4.78e-05	-6.37	0.0	1.83	-11.79	-0.28	-0.09	0.02	-3.04
		-11.22	-0.13	-3.13e-04	0.0	52.5	1.83	-18.16	-0.28	-0.09	-0.13	-11.22
10	27	0.51	0.11	-1.67e-04	-6.37	0.0	-2.56	11.68	0.22	0.09	-9.26e-03	-4.31
		-4.31	-9.26e-03	3.14e-04	0.0	52.5	-2.56	5.31	0.22	0.09	0.11	0.51
10	30	-2.58	0.02	6.18e-05	-6.37	0.0	1.14	-11.26	-0.28	-0.09	0.02	-2.58
		-10.53	-0.13	-3.13e-04	0.0	52.5	1.14	-17.64	-0.28	-0.09	-0.13	-10.53
10	52	0.48	0.08	-1.46e-04	-6.37	0.0	-2.92	11.02	0.17	0.07	-0.01	-3.83
		-3.83	-0.01	2.41e-04	0.0	52.5	-2.92	4.65	0.17	0.07	0.08	0.48
10	53	-3.06	0.02	4.01e-05	-6.37	0.0	1.51	-10.61	-0.23	-0.07	0.02	-3.06
		-10.50	-0.10	-2.40e-04	0.0	52.5	1.51	-16.98	-0.23	-0.07	-0.10	-10.50
10	56	0.05	0.12	-1.33e-04	-6.37	0.0	-3.45	9.90	0.25	0.08	-6.79e-03	-3.87
		-3.87	-6.79e-03	2.50e-04	0.0	52.5	-3.45	3.53	0.25	0.08	0.12	0.05
10	57	-3.02	0.02	2.71e-05	-6.37	0.0	2.04	-9.49	-0.31	-0.08	0.02	-3.02
		-10.07	-0.14	-2.49e-04	0.0	52.5	2.04	-15.86	-0.31	-0.08	-0.14	-10.07
10	59	-0.67	0.12	-1.47e-04	-6.37	0.0	-2.70	9.36	0.25	0.08	-0.01	-4.35
		-4.35	-0.01	2.50e-04	0.0	52.5	-2.70	2.98	0.25	0.08	0.12	-0.67
10	62	-2.54	0.02	4.17e-05	-6.37	0.0	1.29	-8.94	-0.31	-0.08	0.02	-2.54
		-9.35	-0.14	-2.49e-04	0.0	52.5	1.29	-15.32	-0.31	-0.08	-0.14	-9.35
10	84	-0.23	0.07	-1.33e-04	-6.37	0.0	-2.68	9.61	0.15	0.06	-8.29e-03	-3.78
		-3.78	-8.29e-03	2.09e-04	0.0	52.5	-2.68	3.24	0.15	0.06	0.07	-0.23
10	85	-3.11	0.02	2.78e-05	-6.37	0.0	1.27	-9.20	-0.21	-0.06	0.02	-3.11
		-9.79	-0.09	-2.08e-04	0.0	52.5	1.27	-15.57	-0.21	-0.06	-0.09	-9.79
10	88	-0.62	0.11	-1.22e-04	-6.37	0.0	-3.17	8.61	0.22	0.07	-5.38e-03	-3.83
		-3.83	-5.38e-03	2.16e-04	0.0	52.5	-3.17	2.24	0.22	0.07	0.11	-0.62
10	89	-3.06	0.02	1.63e-05	-6.37	0.0	1.75	-8.20	-0.28	-0.07	0.02	-3.06
		-9.40	-0.13	-2.15e-04	0.0	52.5	1.75	-14.57	-0.28	-0.07	-0.13	-9.40
10	91	-1.26	0.11	-1.35e-04	-6.37	0.0	-2.49	8.12	0.22	0.07	-8.73e-03	-4.26
		-4.26	-8.73e-03	2.16e-04	0.0	52.5	-2.49	1.75	0.22	0.07	0.11	-1.26
10	94	-2.63	0.02	2.94e-05	-6.37	0.0	1.08	-7.71	-0.28	-0.07	0.02	-2.63
		-8.76	-0.13	-2.15e-04	0.0	52.5	1.08	-14.08	-0.28	-0.07	-0.13	-8.76
10	120	2.87	0.13	-1.81e-04	-6.37	0.0	-3.61	15.46	0.26	0.12	-7.86e-03	-3.93
		-3.93	-7.86e-03	4.00e-04	0.0	52.5	-3.61	9.08	0.26	0.12	0.13	2.87
10	121	-2.97	0.02	7.58e-05	-6.37	0.0	2.20	-15.04	-0.32	-0.12	0.02	-2.97
		-12.89	-0.14	-3.99e-04	0.0	52.5	2.20	-21.42	-0.32	-0.12	-0.14	-12.89
10	123	2.06	0.13	-1.98e-04	-6.37	0.0	-2.83	14.84	0.26	0.12	-0.01	-4.46
		-4.46	-0.01	4.00e-04	0.0	52.5	-2.83	8.47	0.26	0.12	0.13	2.06
10	124	2.94	0.10	-1.79e-04	-6.37	0.0	-3.56	15.46	0.20	0.11	-7.75e-03	-3.86
		-3.86	-7.75e-03	4.05e-04	0.0	52.5	-3.56	9.09	0.20	0.11	0.10	2.94
10	125	-3.04	0.02	7.39e-05	-6.37	0.0	2.15	-15.05	-0.26	-0.11	0.02	-3.04
		-12.96	-0.12	-4.04e-04	0.0	52.5	2.15	-21.42	-0.26	-0.11	-0.12	-12.96
10	126	-2.44	0.03	9.21e-05	-6.37	0.0	1.42	-14.43	-0.32	-0.12	0.03	-2.44
		-12.08	-0.14	-3.99e-04	0.0	52.5	1.42	-20.80	-0.32	-0.12	-0.14	-12.08
10	143	-2.34	5.03e-03	-3.53e-05	-3.54	0.0	-0.44	-0.26	-0.02	1.20e-04	5.03e-03	-2.34
		-3.40	-7.09e-03	0.0	0.0	52.5	-0.44	-3.79	-0.02	1.20e-04	-7.09e-03	-3.40
10	146	-4.39	8.39e-03	-6.74e-05	-8.26	0.0	-0.92	0.32	-0.04	-6.14e-05	8.39e-03	-4.39
		-6.39	-0.01	0.0	0.0	52.5	-0.92	-7.95	-0.04	-6.14e-05	-0.01	-6.39
10	150	-2.34	5.03e-03	-3.53e-05	-3.54	0.0	-0.44	-0.26	-0.02	1.20e-04	5.03e-03	-2.34
		-3.40	-7.09e-03	0.0	0.0	52.5	-0.44	-3.79	-0.02	1.20e-04	-7.09e-03	-3.40
10	151	-3.63	7.09e-03	-5.57e-05	-6.85	0.0	-0.75	0.28	-0.03	-6.48e-05	7.09e-03	-3.63

10	155	-5.28	-9.43e-03	0.0	0.0	52.5	-0.75	-6.56	-0.03	-6.48e-05	-9.43e-03	-5.28
		-2.34	5.03e-03	-3.53e-05	-3.54	0.0	-0.44	-0.26	-0.02	1.20e-04	5.03e-03	-2.34
		-3.40	-7.09e-03	0.0	0.0	52.5	-0.44	-3.79	-0.02	1.20e-04	-7.09e-03	-3.40
10	156	-3.45	6.80e-03	-5.28e-05	-6.37	0.0	-0.71	0.21	-0.03	-3.84e-05	6.80e-03	-3.45
		-5.01	-9.10e-03	0.0	0.0	52.5	-0.71	-6.17	-0.03	-3.84e-05	-9.10e-03	-5.01
11	4	-4.06	0.01	-7.04e-05	-12.00	0.0	-1.20	1.93	0.02	-6.87e-05	9.16e-04	-4.14
		-6.27	9.16e-04	0.0	0.0	52.5	-1.20	-10.07	0.02	-6.87e-05	0.01	-6.27
11	5	-1.44	4.72e-03	-2.39e-05	-3.22	0.0	-0.36	0.20	8.66e-03	2.51e-04	3.15e-04	-1.45
		-2.18	3.15e-04	0.0	0.0	52.5	-0.36	-3.02	8.66e-03	2.51e-04	4.72e-03	-2.18
11	19	-4.38	-7.03e-03	-9.05e-05	-6.37	0.0	-1.42	6.56	-0.02	0.09	-7.03e-03	-6.00
		-6.00	-0.01	2.78e-04	0.0	52.5	-1.42	0.19	-0.02	0.09	-0.01	-4.38
11	22	1.44	0.02	1.36e-05	-6.37	0.0	0.14	-4.63	0.05	-0.09	8.05e-03	1.44
		-2.52	8.05e-03	-2.78e-04	0.0	52.5	0.14	-11.01	0.05	-0.09	0.02	-2.52
11	24	-3.85	-5.17e-03	-7.45e-05	-6.37	0.0	-2.44	7.05	0.05	0.09	-6.69e-03	-5.51
		-5.51	-6.69e-03	3.11e-04	0.0	52.5	-2.44	0.67	0.05	0.09	-5.17e-03	-3.85
11	25	0.95	0.02	-9.11e-06	-6.37	0.0	1.17	-5.12	-0.03	-0.09	7.72e-03	0.95
		-3.04	7.72e-03	-3.11e-04	0.0	52.5	1.17	-11.49	-0.03	-0.09	0.02	-3.04
11	51	-4.32	-6.05e-03	-8.31e-05	-6.37	0.0	-1.48	5.66	-0.02	0.07	-6.05e-03	-5.47
		-5.47	-0.01	2.34e-04	0.0	52.5	-1.48	-0.71	-0.02	0.07	-0.01	-4.36
11	54	0.91	0.03	6.22e-06	-6.37	0.0	0.20	-3.73	0.05	-0.07	7.07e-03	0.91
		-2.53	7.07e-03	-2.35e-04	0.0	52.5	0.20	-10.10	0.05	-0.07	0.03	-2.53
11	56	-3.81	-5.27e-03	-6.54e-05	-6.37	0.0	-2.61	5.92	0.05	0.08	-5.27e-03	-4.87
		-4.87	-5.58e-03	2.46e-04	0.0	52.5	-2.61	-0.45	0.05	0.08	-5.58e-03	-3.87
11	57	0.31	0.02	-1.43e-05	-6.37	0.0	1.34	-3.99	-0.03	-0.08	6.30e-03	0.31
		-3.02	6.30e-03	-2.47e-04	0.0	52.5	1.34	-10.37	-0.03	-0.08	0.02	-3.02
11	83	-4.15	-5.21e-03	-7.74e-05	-6.37	0.0	-1.39	5.04	-0.02	0.06	-5.21e-03	-5.06
		-5.06	-0.01	2.04e-04	0.0	52.5	-1.39	-1.34	-0.02	0.06	-0.01	-4.26
11	86	0.50	0.02	-7.65e-06	-6.37	0.0	0.12	-3.11	0.04	-0.06	6.23e-03	0.50
		-2.63	6.23e-03	-2.04e-04	0.0	52.5	0.12	-9.48	0.04	-0.06	0.02	-2.63
11	88	-3.69	-4.28e-03	-6.15e-05	-6.37	0.0	-2.41	5.27	0.05	0.07	-4.50e-03	-4.52
		-4.52	-4.50e-03	2.13e-04	0.0	52.5	-2.41	-1.11	0.05	0.07	-4.28e-03	-3.83
11	89	-0.04	0.02	-1.68e-05	-6.37	0.0	1.14	-3.34	-0.02	-0.07	5.53e-03	-0.04
		-3.06	5.53e-03	-2.13e-04	0.0	52.5	1.14	-9.71	-0.02	-0.07	0.02	-3.06
11	115	-4.56	-8.82e-03	-1.03e-04	-6.37	0.0	-1.54	7.97	-0.03	0.11	-8.82e-03	-6.91
		-6.91	-0.01	3.47e-04	0.0	52.5	-1.54	1.59	-0.03	0.11	-0.01	-4.56
11	118	2.35	0.03	2.62e-05	-6.37	0.0	0.27	-6.04	0.05	-0.11	9.85e-03	2.35
		-2.34	9.85e-03	-3.47e-04	0.0	52.5	0.27	-12.41	0.05	-0.11	0.03	-2.34
11	120	-3.93	-7.34e-03	-8.53e-05	-6.37	0.0	-2.69	8.67	0.06	0.12	-8.67e-03	-6.40
		-6.40	-8.67e-03	3.97e-04	0.0	52.5	-2.69	2.30	0.06	0.12	-7.34e-03	-3.93
11	121	1.84	0.02	8.41e-06	-6.37	0.0	1.42	-6.74	-0.04	-0.12	9.70e-03	1.84
		-2.97	9.70e-03	-3.97e-04	0.0	52.5	1.42	-13.12	-0.04	-0.12	0.02	-2.97
11	143	-1.54	4.98e-03	-2.57e-05	-3.54	0.0	-0.39	0.26	9.13e-03	2.46e-04	3.36e-04	-1.55
		-2.34	3.36e-04	0.0	0.0	52.5	-0.39	-3.28	9.13e-03	2.46e-04	4.98e-03	-2.34
11	146	-2.84	8.31e-03	-4.92e-05	-8.26	0.0	-0.83	1.29	0.02	-9.64e-06	6.41e-04	-2.90
		-4.39	6.41e-04	0.0	0.0	52.5	-0.83	-6.98	0.02	-9.64e-06	8.31e-03	-4.39
11	150	-1.54	4.98e-03	-2.57e-05	-3.54	0.0	-0.39	0.26	9.13e-03	2.46e-04	3.36e-04	-1.55
		-2.34	3.36e-04	0.0	0.0	52.5	-0.39	-3.28	9.13e-03	2.46e-04	4.98e-03	-2.34
11	151	-2.36	7.02e-03	-4.06e-05	-6.85	0.0	-0.68	1.08	0.01	-1.66e-05	5.42e-04	-2.40
		-3.63	5.42e-04	0.0	0.0	52.5	-0.68	-5.76	0.01	-1.66e-05	7.02e-03	-3.63
11	155	-1.54	4.98e-03	-2.57e-05	-3.54	0.0	-0.39	0.26	9.13e-03	2.46e-04	3.36e-04	-1.55
		-2.34	3.36e-04	0.0	0.0	52.5	-0.39	-3.28	9.13e-03	2.46e-04	4.98e-03	-2.34
11	156	-2.24	6.73e-03	-3.85e-05	-6.37	0.0	-0.64	0.96	0.01	2.09e-05	5.12e-04	-2.28
		-3.45	5.12e-04	0.0	0.0	52.5	-0.64	-5.41	0.01	2.09e-05	6.73e-03	-3.45
12	1	-1.23	5.09e-04	-2.72e-05	-4.91	0.0	-0.32	0.83	1.17e-03	-3.01e-04	-9.38e-05	-1.26
		-2.11	-9.38e-05	0.0	0.0	52.5	-0.32	-4.08	1.17e-03	-3.01e-04	5.09e-04	-2.11
12	4	-2.30	9.71e-04	-5.45e-05	-12.00	0.0	-0.77	2.83	1.69e-03	-1.37e-03	3.11e-05	-2.47
		-4.14	3.11e-05	0.0	0.0	52.5	-0.77	-9.17	1.69e-03	-1.37e-03	9.71e-04	-4.14
12	5	-0.84	3.52e-04	-1.84e-05	-3.22	0.0	-0.20	0.50	8.52e-04	-1.68e-04	-8.23e-05	-0.86
		-1.45	-8.23e-05	0.0	0.0	52.5	-0.20	-2.72	8.52e-04	-1.68e-04	3.52e-04	-1.45
12	16	-5.73	6.45e-03	-1.54e-05	-6.37	0.0	0.83	4.68	0.03	0.11	-6.89e-03	-6.68
		-6.68	-6.89e-03	2.76e-04	0.0	52.5	0.83	-1.69	0.03	0.11	6.45e-03	-5.83
12	17	3.94	6.84e-03	-4.40e-05	-6.37	0.0	-1.62	-1.78	-0.02	-0.11	6.84e-03	3.94
		1.27	-5.35e-03	-2.76e-04	0.0	52.5	-1.62	-8.16	-0.02	-0.11	-5.35e-03	1.27
12	23	-5.40	6.46e-03	-1.93e-05	-6.37	0.0	-1.80	4.04	0.03	0.11	-8.16e-03	-6.01
		-6.01	-8.16e-03	3.18e-04	0.0	52.5	-1.80	-2.34	0.03	0.11	6.46e-03	-5.66
12	24	-5.40	6.98e-03	-1.44e-05	-6.37	0.0	-2.20	4.65	0.03	0.12	-7.20e-03	-6.33
		-6.33	-7.20e-03	3.08e-04	0.0	52.5	-2.20	-1.72	0.03	0.12	6.98e-03	-5.51
12	25	3.60	7.15e-03	-4.50e-05	-6.37	0.0	1.40	-1.75	-0.03	-0.12	7.15e-03	3.60
		0.95	-5.88e-03	-3.09e-04	0.0	52.5	1.40	-8.13	-0.03	-0.12	-5.88e-03	0.95
12	26	3.27	8.10e-03	-4.01e-05	-6.37	0.0	1.00	-1.14	-0.02	-0.11	8.10e-03	3.27
		1.10	-5.37e-03	-3.19e-04	0.0	52.5	1.00	-7.51	-0.02	-0.11	-5.37e-03	1.10
12	47	-5.09	5.08e-03	-2.20e-05	-6.37	0.0	1.20	3.62	0.02	0.09	-7.02e-03	-5.57
		-5.57	-7.02e-03	2.44e-04	0.0	52.5	1.20	-2.75	0.02	0.09	5.08e-03	-5.45
12	48	-5.12	5.63e-03	-1.70e-05	-6.37	0.0	0.76	4.26	0.02	0.10	-6.02e-03	-5.91
		-5.91	-6.02e-03	2.32e-04	0.0	52.5	0.76	-2.11	0.02	0.10	5.63e-03	-5.28

12	49	3.17	5.97e-03	-4.24e-05	-6.37	0.0	-1.56	-1.36	-0.02	-0.10	5.97e-03	3.17
		0.73	-4.54e-03	-2.33e-04	0.0	52.5	-1.56	-7.74	-0.02	-0.10	-4.54e-03	0.73
12	50	2.84	6.97e-03	-3.75e-05	-6.37	0.0	-2.00	-0.72	-0.02	-0.09	6.97e-03	2.84
		0.89	-3.98e-03	-2.44e-04	0.0	52.5	-2.00	-7.10	-0.02	-0.09	-3.98e-03	0.89
12	56	-4.67	5.84e-03	-1.68e-05	-6.37	0.0	-2.26	4.10	0.02	0.10	-5.98e-03	-5.40
		-5.40	-5.98e-03	2.43e-04	0.0	52.5	-2.26	-2.27	0.02	0.10	5.84e-03	-4.87
12	57	2.66	5.93e-03	-4.26e-05	-6.37	0.0	1.47	-1.20	-0.02	-0.10	5.93e-03	2.66
		0.31	-4.75e-03	-2.43e-04	0.0	52.5	1.47	-7.57	-0.02	-0.10	-4.75e-03	0.31
12	79	-4.61	4.48e-03	-2.31e-05	-6.37	0.0	1.02	3.33	0.02	0.08	-6.16e-03	-5.02
		-5.04	-6.16e-03	2.12e-04	0.0	52.5	1.02	-3.04	0.02	0.08	4.48e-03	-5.04
12	80	-4.66	4.97e-03	-1.86e-05	-6.37	0.0	0.62	3.90	0.02	0.08	-5.26e-03	-5.32
		-5.32	-5.26e-03	2.02e-04	0.0	52.5	0.62	-2.47	0.02	0.08	4.97e-03	-4.89
12	81	2.58	5.21e-03	-4.08e-05	-6.37	0.0	-1.42	-1.00	-0.02	-0.09	5.21e-03	2.58
		0.33	-3.88e-03	-2.02e-04	0.0	52.5	-1.42	-7.38	-0.02	-0.09	-3.88e-03	0.33
12	82	2.28	6.10e-03	-3.64e-05	-6.37	0.0	-1.82	-0.43	-0.02	-0.08	6.10e-03	2.28
		0.48	-3.38e-03	-2.12e-04	0.0	52.5	-1.82	-6.80	-0.02	-0.08	-3.38e-03	0.48
12	88	-4.26	5.15e-03	-1.85e-05	-6.37	0.0	-2.06	3.75	0.02	0.08	-5.21e-03	-4.86
		-4.86	-5.21e-03	2.10e-04	0.0	52.5	-2.06	-2.62	0.02	0.08	5.15e-03	-4.52
12	89	2.12	5.16e-03	-4.09e-05	-6.37	0.0	1.27	-0.86	-0.02	-0.08	5.16e-03	2.12
		-0.04	-4.05e-03	-2.10e-04	0.0	52.5	1.27	-7.23	-0.02	-0.08	-4.05e-03	-0.04
12	112	-6.68	7.87e-03	-1.21e-05	-6.37	0.0	1.09	5.45	0.03	0.14	-8.53e-03	-7.97
		-7.97	-8.53e-03	3.45e-04	0.0	52.5	1.09	-0.92	0.03	0.14	7.87e-03	-6.71
12	113	5.23	8.47e-03	-4.73e-05	-6.37	0.0	-1.89	-2.55	-0.03	-0.14	8.47e-03	5.23
		2.15	-6.77e-03	-3.45e-04	0.0	52.5	-1.89	-8.92	-0.03	-0.14	-6.77e-03	2.15
12	119	-6.44	8.09e-03	-1.63e-05	-6.37	0.0	-2.05	4.78	0.03	0.14	-0.01	-7.29
		-7.29	-0.01	4.06e-04	0.0	52.5	-2.05	-1.60	0.03	0.14	8.09e-03	-6.57
12	120	-6.37	8.68e-03	-1.04e-05	-6.37	0.0	-2.52	5.49	0.04	0.15	-9.11e-03	-7.67
		-7.67	-9.11e-03	3.94e-04	0.0	52.5	-2.52	-0.88	0.04	0.15	8.68e-03	-6.40
12	121	4.94	9.05e-03	-4.89e-05	-6.37	0.0	1.72	-2.59	-0.03	-0.15	9.05e-03	4.94
		1.84	-7.59e-03	-3.95e-04	0.0	52.5	1.72	-8.97	-0.03	-0.15	-7.59e-03	1.84
12	122	4.56	0.01	-4.32e-05	-6.37	0.0	1.26	-1.88	-0.03	-0.14	0.01	4.56
		2.01	-7.00e-03	-4.06e-04	0.0	52.5	1.26	-8.25	-0.03	-0.14	-7.00e-03	2.01
12	143	-0.90	3.74e-04	-1.98e-05	-3.54	0.0	-0.23	0.58	8.81e-04	-2.04e-04	-7.65e-05	-0.92
		-1.55	-7.65e-05	0.0	0.0	52.5	-0.23	-2.96	8.81e-04	-2.04e-04	3.74e-04	-1.55
12	146	-1.62	6.82e-04	-3.81e-05	-8.26	0.0	-0.53	1.91	1.22e-03	-9.18e-04	6.69e-06	-1.73
		-2.90	6.69e-06	0.0	0.0	52.5	-0.53	-6.35	1.22e-03	-9.18e-04	6.82e-04	-2.90
12	150	-0.90	3.74e-04	-1.98e-05	-3.54	0.0	-0.23	0.58	8.81e-04	-2.04e-04	-7.65e-05	-0.92
		-1.55	-7.65e-05	0.0	0.0	52.5	-0.23	-2.96	8.81e-04	-2.04e-04	3.74e-04	-1.55
12	151	-1.34	5.76e-04	-3.13e-05	-6.85	0.0	-0.43	1.59	1.08e-03	-7.87e-04	-1.95e-05	-1.44
		-2.40	-1.95e-05	0.0	0.0	52.5	-0.43	-5.25	1.08e-03	-7.87e-04	5.76e-04	-2.40
12	155	-0.90	3.74e-04	-1.98e-05	-3.54	0.0	-0.23	0.58	8.81e-04	-2.04e-04	-7.65e-05	-0.92
		-1.55	-7.65e-05	0.0	0.0	52.5	-0.23	-2.96	8.81e-04	-2.04e-04	3.74e-04	-1.55
12	156	-1.28	5.47e-04	-2.97e-05	-6.37	0.0	-0.40	1.45	1.05e-03	-7.03e-04	-2.77e-05	-1.37
		-2.28	-2.77e-05	0.0	0.0	52.5	-0.40	-4.92	1.05e-03	-7.03e-04	5.47e-04	-2.28
13	1	-0.52	1.07e-03	-2.45e-05	-4.91	0.0	0.02	1.19	-2.45e-03	-7.85e-04	1.07e-03	-0.60
		-1.26	-1.17e-04	0.0	0.0	52.5	0.02	-3.72	-2.45e-03	-7.85e-04	-1.17e-04	-1.26
13	3	-0.85	1.42e-03	-4.68e-05	-12.00	0.0	-0.09	3.68	-3.32e-03	-2.56e-03	1.42e-03	-1.15
		-2.37	-5.99e-05	0.0	0.0	52.5	-0.09	-8.33	-3.32e-03	-2.56e-03	-5.99e-05	-2.37
13	4	-0.91	1.35e-03	-4.92e-05	-12.00	0.0	-0.09	3.55	-3.13e-03	-2.38e-03	1.35e-03	-1.19
		-2.47	-4.78e-05	0.0	0.0	52.5	-0.09	-8.45	-3.13e-03	-2.38e-03	-4.78e-05	-2.47
13	5	-0.36	8.11e-04	-1.66e-05	-3.22	0.0	0.02	0.74	-1.85e-03	-5.00e-04	8.11e-04	-0.41
		-0.86	-9.68e-05	0.0	0.0	52.5	0.02	-2.48	-1.85e-03	-5.00e-04	-9.68e-05	-0.86
13	12	-0.47	6.77e-04	-2.21e-05	-3.22	0.0	0.03	0.50	-1.48e-03	-1.43e-04	6.77e-04	-0.49
		-1.07	-7.25e-05	0.0	0.0	52.5	0.03	-2.72	-1.48e-03	-1.43e-04	-7.25e-05	-1.07
13	16	-6.45	0.01	4.28e-05	-6.37	0.0	1.10	4.07	0.07	0.14	-0.02	-7.13
		-7.13	-0.02	6.33e-04	0.0	52.5	1.10	-2.30	0.07	0.14	0.01	-6.68
13	17	5.82	0.03	-9.58e-05	-6.37	0.0	-1.15	-0.40	-0.07	-0.14	0.03	5.82
		3.94	-0.01	-6.33e-04	0.0	52.5	-1.15	-6.77	-0.07	-0.14	-0.01	3.94
13	27	-5.70	0.01	3.02e-05	-6.37	0.0	1.43	3.51	0.06	0.14	-0.02	-6.21
		-6.21	-0.02	3.05e-04	0.0	52.5	1.43	-2.87	0.06	0.14	0.01	-6.04
13	30	4.90	0.02	-8.31e-05	-6.37	0.0	-1.48	0.16	-0.06	-0.15	0.02	4.90
		3.31	-0.01	-3.06e-04	0.0	52.5	-1.48	-6.21	-0.06	-0.15	-0.01	3.31
13	48	-5.63	9.31e-03	3.35e-05	-6.37	0.0	0.98	3.79	0.06	0.11	-0.02	-6.22
		-6.22	-0.02	6.16e-04	0.0	52.5	0.98	-2.58	0.06	0.11	9.31e-03	-5.91
13	49	4.90	0.02	-8.65e-05	-6.37	0.0	-1.03	-0.12	-0.06	-0.12	0.02	4.90
		3.17	-9.45e-03	-6.16e-04	0.0	52.5	-1.03	-6.49	-0.06	-0.12	-9.45e-03	3.17
13	59	-4.66	8.80e-03	1.79e-05	-6.37	0.0	1.39	3.11	0.05	0.12	-0.02	-5.06
		-5.09	-0.02	2.39e-04	0.0	52.5	1.39	-3.26	0.05	0.12	8.80e-03	-5.09
13	62	3.75	0.02	-7.08e-05	-6.37	0.0	-1.44	0.56	-0.05	-0.12	0.02	3.74
		2.36	-8.94e-03	-2.40e-04	0.0	52.5	-1.44	-5.81	-0.05	-0.12	-8.94e-03	2.36
13	80	-4.98	8.10e-03	2.58e-05	-6.37	0.0	0.86	3.54	0.05	0.10	-0.02	-5.50
		-5.50	-0.02	5.46e-04	0.0	52.5	0.86	-2.83	0.05	0.10	8.10e-03	-5.32
13	81	4.18	0.02	-7.88e-05	-6.37	0.0	-0.91	0.13	-0.06	-0.10	0.02	4.18
		2.58	-8.24e-03	-5.46e-04	0.0	52.5	-0.91	-6.24	-0.06	-0.10	-8.24e-03	2.58
13	91	-4.10	7.64e-03	1.18e-05	-6.37	0.0	1.23	2.93	0.04	0.10	-0.01	-4.46

		-4.59	-0.01	2.06e-04	0.0	52.5	1.23	-3.44	0.04	0.10	7.64e-03	-4.59
13	94	3.16	0.02	-6.47e-05	-6.37	0.0	-1.28	0.74	-0.04	-0.10	0.02	3.14
		1.85	-7.78e-03	-2.07e-04	0.0	52.5	-1.28	-5.63	-0.04	-0.10	-7.78e-03	1.85
13	112	-7.84	0.01	5.94e-05	-6.37	0.0	1.36	4.60	0.08	0.17	-0.03	-8.70
		-8.70	-0.03	7.57e-04	0.0	52.5	1.36	-1.78	0.08	0.17	0.01	-7.97
13	113	7.38	0.03	-1.12e-04	-6.37	0.0	-1.41	-0.93	-0.09	-0.17	0.03	7.38
		5.23	-0.01	-7.57e-04	0.0	52.5	-1.41	-7.30	-0.09	-0.17	-0.01	5.23
13	123	-7.10	0.01	4.62e-05	-6.37	0.0	1.73	3.99	0.07	0.18	-0.03	-7.76
		-7.76	-0.03	3.91e-04	0.0	52.5	1.73	-2.38	0.07	0.18	0.01	-7.33
13	126	6.45	0.03	-9.91e-05	-6.37	0.0	-1.78	-0.32	-0.08	-0.19	0.03	6.45
		4.60	-0.01	-3.91e-04	0.0	52.5	-1.78	-6.70	-0.08	-0.19	-0.01	4.60
13	143	-0.38	8.19e-04	-1.78e-05	-3.54	0.0	0.02	0.84	-1.87e-03	-5.58e-04	8.19e-04	-0.44
		-0.92	-9.29e-05	0.0	0.0	52.5	0.02	-2.70	-1.87e-03	-5.58e-04	-9.29e-05	-0.92
13	145	-0.61	1.05e-03	-3.27e-05	-8.26	0.0	-0.06	2.50	-2.45e-03	-1.74e-03	1.05e-03	-0.80
		-1.66	-5.49e-05	0.0	0.0	52.5	-0.06	-5.77	-2.45e-03	-1.74e-03	-5.49e-05	-1.66
13	146	-0.65	1.01e-03	-3.43e-05	-8.26	0.0	-0.05	2.42	-2.33e-03	-1.62e-03	1.01e-03	-0.83
		-1.73	-4.68e-05	0.0	0.0	52.5	-0.05	-5.85	-2.33e-03	-1.62e-03	-4.68e-05	-1.73
13	147	-0.45	7.29e-04	-2.15e-05	-3.54	0.0	0.03	0.68	-1.62e-03	-3.21e-04	7.29e-04	-0.49
		-1.06	-7.67e-05	0.0	0.0	52.5	0.03	-2.86	-1.62e-03	-3.21e-04	-7.67e-05	-1.06
13	150	-0.38	8.19e-04	-1.78e-05	-3.54	0.0	0.02	0.84	-1.87e-03	-5.58e-04	8.19e-04	-0.44
		-0.92	-9.29e-05	0.0	0.0	52.5	0.02	-2.70	-1.87e-03	-5.58e-04	-9.29e-05	-0.92
13	151	-0.54	9.80e-04	-2.81e-05	-6.85	0.0	-0.03	2.00	-2.28e-03	-1.39e-03	9.80e-04	-0.69
		-1.44	-6.63e-05	0.0	0.0	52.5	-0.03	-4.85	-2.28e-03	-1.39e-03	-6.63e-05	-1.44
13	152	-0.40	8.01e-04	-1.86e-05	-3.54	0.0	0.02	0.81	-1.82e-03	-5.11e-04	8.01e-04	-0.45
		-0.95	-8.97e-05	0.0	0.0	52.5	0.02	-2.73	-1.82e-03	-5.11e-04	-8.97e-05	-0.95
13	155	-0.38	8.19e-04	-1.78e-05	-3.54	0.0	0.02	0.84	-1.87e-03	-5.58e-04	8.19e-04	-0.44
		-0.92	-9.29e-05	0.0	0.0	52.5	0.02	-2.70	-1.87e-03	-5.58e-04	-9.29e-05	-0.92
13	156	-0.52	9.57e-04	-2.66e-05	-6.37	0.0	-0.03	1.83	-2.22e-03	-1.27e-03	9.57e-04	-0.66
		-1.37	-7.01e-05	0.0	0.0	52.5	-0.03	-4.54	-2.22e-03	-1.27e-03	-7.01e-05	-1.37
14	1	-5.81e-03	2.27e-03	-2.69e-05	-4.91	0.0	0.10	1.59	-2.65e-03	-5.92e-04	2.27e-03	-0.14
		-0.60	1.01e-03	0.0	0.0	52.5	0.10	-3.32	-2.65e-03	-5.92e-04	1.01e-03	-0.60
14	3	0.16	1.73e-03	-4.90e-05	-12.00	0.0	0.07	4.26	-1.49e-03	-1.77e-03	1.73e-03	-0.24
		-1.15	1.27e-03	0.0	0.0	52.5	0.07	-7.74	-1.49e-03	-1.77e-03	1.27e-03	-1.15
14	4	0.14	1.71e-03	-5.19e-05	-12.00	0.0	0.07	4.21	-1.52e-03	-1.68e-03	1.71e-03	-0.25
		-1.19	1.22e-03	0.0	0.0	52.5	0.07	-7.79	-1.52e-03	-1.68e-03	1.22e-03	-1.19
14	7	0.15	1.26e-03	-4.05e-05	-10.31	0.0	0.04	3.70	-9.62e-04	-1.56e-03	1.26e-03	-0.20
		-0.96	1.03e-03	0.0	0.0	52.5	0.04	-6.61	-9.62e-04	-1.56e-03	1.03e-03	-0.96
14	9	-0.04	2.21e-03	-3.37e-05	-4.91	0.0	0.12	1.48	-2.71e-03	-4.01e-04	2.21e-03	-0.16
		-0.67	8.99e-04	0.0	0.0	52.5	0.12	-3.43	-2.71e-03	-4.01e-04	8.99e-04	-0.67
14	12	-0.05	1.74e-03	-2.52e-05	-3.22	0.0	0.10	0.92	-2.18e-03	-1.90e-04	1.74e-03	-0.12
		-0.49	6.56e-04	0.0	0.0	52.5	0.10	-2.31	-2.18e-03	-1.90e-04	6.56e-04	-0.49
14	16	-5.96	-0.01	1.29e-04	-6.37	0.0	0.86	1.00	0.05	0.13	-0.03	-6.00
		-7.13	-0.03	2.89e-04	0.0	52.5	0.86	-5.37	0.05	0.13	-0.01	-7.13
14	17	6.18	0.03	-1.85e-04	-6.37	0.0	-0.73	3.41	-0.05	-0.13	0.03	5.71
		5.71	0.01	-2.90e-04	0.0	52.5	-0.73	-2.96	-0.05	-0.13	0.01	5.82
14	27	-5.02	-7.86e-03	1.03e-04	-6.37	0.0	1.09	0.92	0.05	0.13	-0.02	-5.06
		-6.21	-0.02	6.75e-04	0.0	52.5	1.09	-5.45	0.05	0.13	-7.86e-03	-6.21
14	30	5.26	0.03	-1.60e-04	-6.37	0.0	-0.95	3.49	-0.05	-0.13	0.03	4.78
		4.78	9.62e-03	-6.76e-04	0.0	52.5	-0.95	-2.88	-0.05	-0.13	9.62e-03	4.90
14	48	-5.13	-0.01	1.07e-04	-6.37	0.0	0.76	1.19	0.04	0.11	-0.03	-5.19
		-6.22	-0.03	2.47e-04	0.0	52.5	0.76	-5.19	0.04	0.11	-0.01	-6.22
14	49	5.32	0.03	-1.64e-04	-6.37	0.0	-0.63	3.23	-0.05	-0.11	0.03	4.90
		4.90	0.02	-2.47e-04	0.0	52.5	-0.63	-3.15	-0.05	-0.11	0.02	4.90
14	59	-3.96	-8.77e-03	7.52e-05	-6.37	0.0	1.01	1.12	0.04	0.11	-0.02	-4.02
		-5.06	-0.02	6.37e-04	0.0	52.5	1.01	-5.26	0.04	0.11	-8.77e-03	-5.06
14	62	4.16	0.02	-1.31e-04	-6.37	0.0	-0.88	3.30	-0.04	-0.11	0.02	3.74
		3.74	0.01	-6.38e-04	0.0	52.5	-0.88	-3.08	-0.04	-0.11	0.01	3.74
14	80	-4.46	-0.01	8.99e-05	-6.37	0.0	0.67	1.32	0.04	0.10	-0.03	-4.54
		-5.50	-0.03	2.15e-04	0.0	52.5	0.67	-5.05	0.04	0.10	-0.01	-5.50
14	81	4.63	0.03	-1.46e-04	-6.37	0.0	-0.54	3.09	-0.04	-0.10	0.03	4.25
		4.18	0.01	-2.15e-04	0.0	52.5	-0.54	-3.28	-0.04	-0.10	0.01	4.18
14	91	-3.42	-7.80e-03	6.11e-05	-6.37	0.0	0.90	1.26	0.03	0.09	-0.02	-3.49
		-4.46	-0.02	5.63e-04	0.0	52.5	0.90	-5.12	0.03	0.09	-7.80e-03	-4.46
14	94	3.59	0.02	-1.17e-04	-6.37	0.0	-0.77	3.16	-0.04	-0.09	0.02	3.21
		3.14	9.56e-03	-5.64e-04	0.0	52.5	-0.77	-3.22	-0.04	-0.09	9.56e-03	3.14
14	112	-7.39	-0.01	1.67e-04	-6.37	0.0	1.06	0.70	0.06	0.16	-0.04	-7.41
		-8.70	-0.04	3.60e-04	0.0	52.5	1.06	-5.68	0.06	0.16	-0.01	-8.70
14	113	7.68	0.04	-2.23e-04	-6.37	0.0	-0.93	3.72	-0.07	-0.16	0.04	7.12
		7.12	0.02	-3.60e-04	0.0	52.5	-0.93	-2.66	-0.07	-0.16	0.02	7.38
14	123	-6.42	-9.13e-03	1.41e-04	-6.37	0.0	1.31	0.59	0.06	0.17	-0.03	-6.44
		-7.76	-0.03	8.19e-04	0.0	52.5	1.31	-5.78	0.06	0.17	-9.13e-03	-7.76
14	126	6.73	0.03	-1.97e-04	-6.37	0.0	-1.18	3.82	-0.07	-0.17	0.03	6.15
		6.15	0.01	-8.19e-04	0.0	52.5	-1.18	-2.55	-0.07	-0.17	0.01	6.45
14	143	-8.28e-03	1.77e-03	-1.97e-05	-3.54	0.0	0.08	1.14	-2.07e-03	-4.23e-04	1.77e-03	-0.10
		-0.44	7.77e-04	0.0	0.0	52.5	0.08	-2.40	-2.07e-03	-4.23e-04	7.77e-04	-0.44

14	145	0.10	1.41e-03	-3.43e-05	-8.26	0.0	0.06	2.92	-1.30e-03	-1.21e-03	1.41e-03	-0.17
		-0.80	9.49e-04	0.0	0.0	52.5	0.06	-5.34	-1.30e-03	-1.21e-03	9.49e-04	-0.80
14	146	0.09	1.39e-03	-3.63e-05	-8.26	0.0	0.06	2.88	-1.32e-03	-1.15e-03	1.39e-03	-0.18
		-0.83	9.11e-04	0.0	0.0	52.5	0.06	-5.38	-1.32e-03	-1.15e-03	9.11e-04	-0.83
14	147	-0.03	1.73e-03	-2.42e-05	-3.54	0.0	0.09	1.06	-2.11e-03	-2.96e-04	1.73e-03	-0.12
		-0.49	6.99e-04	0.0	0.0	52.5	0.09	-2.47	-2.11e-03	-2.96e-04	6.99e-04	-0.49
14	150	-8.28e-03	1.77e-03	-1.97e-05	-3.54	0.0	0.08	1.14	-2.07e-03	-4.23e-04	1.77e-03	-0.10
		-0.44	7.77e-04	0.0	0.0	52.5	0.08	-2.40	-2.07e-03	-4.23e-04	7.77e-04	-0.44
14	151	0.07	1.52e-03	-2.98e-05	-6.85	0.0	0.06	2.38	-1.53e-03	-9.74e-04	1.52e-03	-0.15
		-0.69	8.98e-04	0.0	0.0	52.5	0.06	-4.46	-1.53e-03	-9.74e-04	8.98e-04	-0.69
14	152	-0.01	1.76e-03	-2.06e-05	-3.54	0.0	0.08	1.12	-2.08e-03	-3.98e-04	1.76e-03	-0.11
		-0.45	7.61e-04	0.0	0.0	52.5	0.08	-2.42	-2.08e-03	-3.98e-04	7.61e-04	-0.45
14	155	-8.28e-03	1.77e-03	-1.97e-05	-3.54	0.0	0.08	1.14	-2.07e-03	-4.23e-04	1.77e-03	-0.10
		-0.44	7.77e-04	0.0	0.0	52.5	0.08	-2.40	-2.07e-03	-4.23e-04	7.77e-04	-0.44
14	156	0.06	1.55e-03	-2.83e-05	-6.37	0.0	0.07	2.21	-1.61e-03	-8.96e-04	1.55e-03	-0.14
		-0.66	8.80e-04	0.0	0.0	52.5	0.07	-4.17	-1.61e-03	-8.96e-04	8.80e-04	-0.66
15	1	0.26	2.02e-03	-3.40e-05	-4.91	0.0	0.05	2.17	8.15e-03	0.0	-2.25e-03	9.40e-03
		-0.14	-2.25e-03	0.0	0.0	52.5	0.05	-2.74	8.15e-03	0.0	2.02e-03	-0.14
15	3	0.68	9.85e-04	-6.31e-05	-12.00	0.0	-0.15	5.51	8.98e-03	0.0	-3.73e-03	0.02
		-0.24	-3.73e-03	0.0	0.0	52.5	-0.15	-6.49	8.98e-03	0.0	9.85e-04	-0.24
15	4	0.68	9.77e-04	-6.69e-05	-12.00	0.0	-0.14	5.49	9.36e-03	0.0	-3.94e-03	0.02
		-0.25	-3.94e-03	0.0	0.0	52.5	-0.14	-6.51	9.36e-03	0.0	9.77e-04	-0.25
15	12	0.16	1.62e-03	-3.07e-05	-3.22	0.0	0.07	1.37	6.89e-03	0.0	-1.99e-03	8.51e-03
		-0.12	-1.99e-03	0.0	0.0	52.5	0.07	-1.86	6.89e-03	0.0	1.62e-03	-0.12
15	16	-0.23	0.03	2.65e-04	-6.37	0.0	0.36	-7.97	-0.09	1.14e-05	0.03	-0.23
		-6.00	-0.02	2.92e-04	0.0	52.5	0.36	-14.34	-0.09	1.14e-05	-0.02	-6.00
15	17	5.71	0.02	-3.38e-04	-6.37	0.0	-0.43	13.76	0.10	-1.12e-05	-0.04	0.25
		0.25	-0.04	-2.92e-04	0.0	52.5	-0.43	7.38	0.10	-1.12e-05	0.02	5.71
15	24	-0.29	0.03	2.52e-04	-6.37	0.0	0.39	-7.34	-0.08	1.03e-05	0.03	-0.29
		-5.73	-0.02	3.20e-04	0.0	52.5	0.39	-13.72	-0.08	1.03e-05	-0.02	-5.73
15	25	5.45	0.02	-3.25e-04	-6.37	0.0	-0.46	13.13	0.09	-1.02e-05	-0.04	0.31
		0.31	-0.04	-3.20e-04	0.0	52.5	-0.46	6.76	0.09	-1.02e-05	0.02	5.45
15	28	-0.31	0.03	2.51e-04	-6.37	0.0	0.41	-7.25	-0.08	1.03e-05	0.03	-0.31
		-5.70	-0.01	3.03e-04	0.0	52.5	0.41	-13.63	-0.08	1.03e-05	-0.01	-5.70
15	29	5.42	0.02	-3.24e-04	-6.37	0.0	-0.48	13.04	0.09	-1.02e-05	-0.04	0.33
		0.33	-0.04	-3.03e-04	0.0	52.5	-0.48	6.67	0.09	-1.02e-05	0.02	5.42
15	48	-0.23	0.03	2.23e-04	-6.37	0.0	0.32	-6.46	-0.09	9.71e-06	0.03	-0.23
		-5.19	-0.02	2.49e-04	0.0	52.5	0.32	-12.83	-0.09	9.71e-06	-0.02	-5.19
15	49	4.90	0.02	-2.96e-04	-6.37	0.0	-0.39	12.25	0.10	-9.58e-06	-0.04	0.25
		0.25	-0.04	-2.50e-04	0.0	52.5	-0.39	5.87	0.10	-9.58e-06	0.02	4.90
15	56	-0.29	0.03	1.99e-04	-6.37	0.0	0.34	-5.48	-0.09	8.40e-06	0.03	-0.29
		-4.72	-0.02	2.54e-04	0.0	52.5	0.34	-11.85	-0.09	8.40e-06	-0.02	-4.72
15	57	4.43	0.02	-2.72e-04	-6.37	0.0	-0.41	11.27	0.10	-8.28e-06	-0.04	0.31
		0.31	-0.04	-2.54e-04	0.0	52.5	-0.41	4.90	0.10	-8.28e-06	0.02	4.43
15	60	-0.31	0.03	1.98e-04	-6.37	0.0	0.36	-5.40	-0.08	8.40e-06	0.03	-0.31
		-4.69	-0.02	2.35e-04	0.0	52.5	0.36	-11.77	-0.08	8.40e-06	-0.02	-4.69
15	61	4.40	0.02	-2.71e-04	-6.37	0.0	-0.43	11.19	0.10	-8.28e-06	-0.04	0.33
		0.33	-0.04	-2.35e-04	0.0	52.5	-0.43	4.81	0.10	-8.28e-06	0.02	4.40
15	80	-0.21	0.03	1.89e-04	-6.37	0.0	0.28	-5.25	-0.08	8.45e-06	0.03	-0.21
		-4.54	-0.02	2.16e-04	0.0	52.5	0.28	-11.62	-0.08	8.45e-06	-0.02	-4.54
15	81	4.25	0.02	-2.62e-04	-6.37	0.0	-0.34	11.04	0.09	-8.33e-06	-0.03	0.23
		0.23	-0.03	-2.17e-04	0.0	52.5	-0.34	4.66	0.09	-8.33e-06	0.02	4.25
15	88	-0.26	0.03	1.68e-04	-6.37	0.0	0.30	-4.37	-0.08	7.29e-06	0.03	-0.26
		-4.11	-0.01	2.19e-04	0.0	52.5	0.30	-10.75	-0.08	7.29e-06	-0.01	-4.11
15	89	3.83	0.02	-2.41e-04	-6.37	0.0	-0.36	10.16	0.09	-7.17e-06	-0.03	0.28
		0.28	-0.03	-2.20e-04	0.0	52.5	-0.36	3.79	0.09	-7.17e-06	0.02	3.83
15	92	-0.27	0.03	1.67e-04	-6.37	0.0	0.31	-4.30	-0.07	7.29e-06	0.03	-0.27
		-4.09	-0.01	2.02e-04	0.0	52.5	0.31	-10.67	-0.07	7.29e-06	-0.01	-4.09
15	93	3.80	0.02	-2.40e-04	-6.37	0.0	-0.38	10.09	0.09	-7.17e-06	-0.03	0.29
		0.29	-0.03	-2.03e-04	0.0	52.5	-0.38	3.72	0.09	-7.17e-06	0.02	3.80
15	112	-0.27	0.04	3.38e-04	-6.37	0.0	0.45	-10.58	-0.10	1.41e-05	0.04	-0.27
		-7.41	-0.02	3.62e-04	0.0	52.5	0.45	-16.96	-0.10	1.41e-05	-0.02	-7.41
15	113	7.12	0.02	-4.11e-04	-6.37	0.0	-0.52	16.37	0.11	-1.40e-05	-0.04	0.29
		0.29	-0.04	-3.63e-04	0.0	52.5	-0.52	10.00	0.11	-1.40e-05	0.02	7.12
15	120	-0.35	0.04	3.29e-04	-6.37	0.0	0.49	-10.07	-0.09	1.31e-05	0.04	-0.35
		-7.22	-0.02	4.08e-04	0.0	52.5	0.49	-16.45	-0.09	1.31e-05	-0.02	-7.22
15	121	6.94	0.02	-4.02e-04	-6.37	0.0	-0.56	15.86	0.11	-1.30e-05	-0.04	0.37
		0.37	-0.04	-4.08e-04	0.0	52.5	-0.56	9.49	0.11	-1.30e-05	0.02	6.94
15	124	-0.37	0.04	3.28e-04	-6.37	0.0	0.51	-9.97	-0.09	1.31e-05	0.04	-0.37
		-7.19	-0.02	3.89e-04	0.0	52.5	0.51	-16.34	-0.09	1.31e-05	-0.02	-7.19
15	125	6.90	0.02	-4.01e-04	-6.37	0.0	-0.58	15.76	0.10	-1.30e-05	-0.04	0.40
		0.40	-0.04	-3.89e-04	0.0	52.5	-0.58	9.39	0.10	-1.30e-05	0.02	6.90
15	143	0.19	1.59e-03	-2.48e-05	-3.54	0.0	0.04	1.56	6.20e-03	0.0	-1.67e-03	6.83e-03
		-0.10	-1.67e-03	0.0	0.0	52.5	0.04	-1.98	6.20e-03	0.0	1.59e-03	-0.10
15	145	0.47	9.00e-04	-4.42e-05	-8.26	0.0	-0.09	3.79	6.76e-03	0.0	-2.65e-03	0.01

		-0.17	-2.65e-03	0.0	0.0	52.5	-0.09	-4.48	6.76e-03	0.0	9.00e-04	-0.17
15	146	0.46	8.95e-04	-4.68e-05	-8.26	0.0	-0.08	3.77	7.02e-03	0.0	-2.79e-03	0.01
		-0.18	-2.79e-03	0.0	0.0	52.5	-0.08	-4.49	7.02e-03	0.0	8.95e-04	-0.18
15	147	0.18	1.58e-03	-2.99e-05	-3.54	0.0	0.06	1.53	6.72e-03	0.0	-1.94e-03	8.30e-03
		-0.12	-1.94e-03	0.0	0.0	52.5	0.06	-2.01	6.72e-03	0.0	1.58e-03	-0.12
15	150	0.19	1.59e-03	-2.48e-05	-3.54	0.0	0.04	1.56	6.20e-03	0.0	-1.67e-03	6.83e-03
		-0.10	-1.67e-03	0.0	0.0	52.5	0.04	-1.98	6.20e-03	0.0	1.59e-03	-0.10
15	151	0.38	1.11e-03	-3.84e-05	-6.85	0.0	-0.05	3.12	6.59e-03	0.0	-2.35e-03	0.01
		-0.15	-2.35e-03	0.0	0.0	52.5	-0.05	-3.73	6.59e-03	0.0	1.11e-03	-0.15
15	152	0.19	1.59e-03	-2.58e-05	-3.54	0.0	0.05	1.55	6.31e-03	0.0	-1.72e-03	7.13e-03
		-0.11	-1.72e-03	0.0	0.0	52.5	0.05	-1.99	6.31e-03	0.0	1.59e-03	-0.11
15	155	0.19	1.59e-03	-2.48e-05	-3.54	0.0	0.04	1.56	6.20e-03	0.0	-1.67e-03	6.83e-03
		-0.10	-1.67e-03	0.0	0.0	52.5	0.04	-1.98	6.20e-03	0.0	1.59e-03	-0.10
15	156	0.36	1.18e-03	-3.65e-05	-6.37	0.0	-0.03	2.90	6.54e-03	0.0	-2.26e-03	0.01
		-0.14	-2.26e-03	0.0	0.0	52.5	-0.03	-3.48	6.54e-03	0.0	1.18e-03	-0.14
16	3	0.64	1.28e-04	-1.98e-04	-11.93	0.0	0.06	7.13	2.69e-04	-6.61e-04	-6.80e-05	-0.48
		-0.48	-6.80e-05	0.0	0.0	52.2	0.06	-4.80	2.69e-04	-6.61e-04	1.28e-04	0.13
16	7	0.50	1.01e-04	-1.66e-04	-10.25	0.0	0.03	6.14	1.62e-04	-6.10e-04	-3.59e-05	-0.46
		-0.46	-3.59e-05	0.0	0.0	52.2	0.03	-4.11	1.62e-04	-6.10e-04	1.01e-04	0.07
16	9	0.62	1.22e-04	-1.12e-04	-4.89	0.0	0.24	2.80	6.88e-04	1.04e-04	-2.19e-04	0.20
		0.20	-2.19e-04	0.0	0.0	52.2	0.24	-2.09	6.88e-04	1.04e-04	1.22e-04	0.39
16	11	0.78	1.49e-04	-1.83e-04	-9.82	0.0	0.19	5.79	6.42e-04	-2.46e-04	-2.00e-04	-0.12
		-0.12	-2.00e-04	0.0	0.0	52.2	0.19	-4.02	6.42e-04	-2.46e-04	1.49e-04	0.35
16	16	4.67	-0.01	1.19e-04	-6.34	0.0	0.80	1.51	-0.02	0.06	-0.01	4.58
		3.72	-0.02	5.87e-04	0.0	52.2	0.80	-4.83	-0.02	0.06	-0.02	3.72
16	17	-3.48	0.02	-3.40e-04	-6.34	0.0	-0.66	6.01	0.02	-0.06	0.01	-4.96
		-4.96	0.01	-5.87e-04	0.0	52.2	-0.66	-0.32	0.02	-0.06	0.02	-3.49
16	19	2.94	-0.02	4.68e-05	-6.34	0.0	1.04	2.48	-0.01	0.06	-0.02	2.69
		2.33	-0.02	5.87e-04	0.0	52.2	1.04	-3.86	-0.01	0.06	-0.02	2.33
16	22	-2.03	0.02	-2.68e-04	-6.34	0.0	-0.90	5.05	0.01	-0.06	0.01	-3.07
		-3.07	0.01	-5.87e-04	0.0	52.2	-0.90	-1.29	0.01	-0.06	0.02	-2.10
16	28	5.27	-0.01	1.41e-04	-6.34	0.0	0.52	1.07	0.02	0.06	-0.01	5.23
		4.14	-0.01	6.49e-04	0.0	52.2	0.52	-5.26	0.02	0.06	-0.01	4.14
16	29	-3.91	0.01	-3.62e-04	-6.34	0.0	-0.38	6.45	-0.02	-0.06	0.01	-5.61
		-5.61	0.01	-6.49e-04	0.0	52.2	-0.38	0.11	-0.02	-0.06	0.01	-3.91
16	48	4.30	-0.01	9.50e-05	-6.34	0.0	0.72	1.73	-0.02	0.06	-0.01	4.17
		3.43	-0.02	4.97e-04	0.0	52.2	0.72	-4.61	-0.02	0.06	-0.02	3.43
16	49	-3.18	0.02	-3.16e-04	-6.34	0.0	-0.58	5.80	0.02	-0.06	0.01	-4.56
		-4.56	0.01	-4.97e-04	0.0	52.2	-0.58	-0.54	0.02	-0.06	0.02	-3.20
16	51	2.51	-0.01	1.98e-05	-6.34	0.0	0.98	2.73	-0.01	0.06	-0.01	2.20
		1.98	-0.01	4.97e-04	0.0	52.2	0.98	-3.60	-0.01	0.06	-0.01	1.98
16	54	-1.65	0.01	-2.41e-04	-6.34	0.0	-0.84	4.79	0.01	-0.06	0.01	-2.58
		-2.58	0.01	-4.97e-04	0.0	52.2	-0.84	-1.55	0.01	-0.06	0.01	-1.75
16	60	4.68	-0.01	1.06e-04	-6.34	0.0	0.55	1.40	0.02	0.05	-0.01	4.59
		3.69	-0.01	5.19e-04	0.0	52.2	0.55	-4.93	0.02	0.05	-0.01	3.69
16	61	-3.45	0.01	-3.27e-04	-6.34	0.0	-0.41	6.12	-0.02	-0.05	0.01	-4.98
		-4.98	0.01	-5.19e-04	0.0	52.2	-0.41	-0.22	-0.02	-0.05	0.01	-3.46
16	80	3.81	-0.01	6.97e-05	-6.34	0.0	0.64	1.98	-0.02	0.05	-0.01	3.65
		3.03	-0.01	4.32e-04	0.0	52.2	0.64	-4.36	-0.02	0.05	-0.01	3.03
16	81	-2.77	0.01	-2.91e-04	-6.34	0.0	-0.50	5.55	0.02	-0.05	0.01	-4.03
		-4.03	0.01	-4.32e-04	0.0	52.2	-0.50	-0.79	0.02	-0.05	0.01	-2.80
16	83	2.23	-0.01	-9.49e-06	-6.34	0.0	0.88	2.87	-0.01	0.05	-0.01	1.88
		1.74	-0.01	4.32e-04	0.0	52.2	0.88	-3.46	-0.01	0.05	-0.01	1.74
16	86	-1.38	0.01	-2.23e-04	-6.34	0.0	-0.73	4.65	0.01	-0.05	0.01	-2.27
		-2.27	0.01	-4.32e-04	0.0	52.2	-0.73	-1.69	0.01	-0.05	0.01	-1.50
16	92	4.13	-9.10e-03	7.92e-05	-6.34	0.0	0.50	1.69	0.02	0.05	-9.10e-03	4.01
		3.26	-0.01	4.49e-04	0.0	52.2	0.50	-4.64	0.02	0.05	-0.01	3.26
16	93	-3.01	0.01	-3.00e-04	-6.34	0.0	-0.36	5.83	-0.01	-0.05	8.99e-03	-4.39
		-4.39	8.99e-03	-4.49e-04	0.0	52.2	-0.36	-0.51	-0.01	-0.05	0.01	-3.02
16	112	5.67	-0.02	1.71e-04	-6.34	0.0	0.97	1.00	-0.02	0.08	-0.02	5.63
		4.51	-0.02	7.31e-04	0.0	52.2	0.97	-5.33	-0.02	0.08	-0.02	4.51
16	113	-4.28	0.02	-3.92e-04	-6.34	0.0	-0.82	6.52	0.02	-0.08	0.02	-6.01
		-6.01	0.02	-7.31e-04	0.0	52.2	-0.82	0.18	0.02	-0.08	0.02	-4.28
16	115	3.62	-0.02	8.74e-05	-6.34	0.0	1.25	2.13	-0.01	0.08	-0.02	3.43
		2.90	-0.02	7.31e-04	0.0	52.2	1.25	-4.21	-0.01	0.08	-0.02	2.90
16	118	-2.62	0.02	-3.08e-04	-6.34	0.0	-1.11	5.39	0.01	-0.08	0.02	-3.81
		-3.81	0.02	-7.31e-04	0.0	52.2	-1.11	-0.94	0.01	-0.08	0.02	-2.62
16	124	6.54	-0.01	2.03e-04	-6.34	0.0	0.59	0.42	0.02	0.08	-0.02	6.53
		5.11	-0.02	8.28e-04	0.0	52.2	0.59	-5.92	0.02	0.08	-0.01	5.11
16	125	-4.87	0.02	-4.24e-04	-6.34	0.0	-0.45	7.10	-0.02	-0.08	0.02	-6.91
		-6.91	0.01	-8.28e-04	0.0	52.2	-0.45	0.77	-0.02	-0.08	0.01	-4.87
16	145	0.45	9.16e-05	-1.38e-04	-8.22	0.0	0.05	4.90	2.01e-04	-4.51e-04	-5.07e-05	-0.31
		-0.31	-5.07e-05	0.0	0.0	52.2	0.05	-3.31	2.01e-04	-4.51e-04	9.16e-05	0.10
16	147	0.44	8.82e-05	-8.02e-05	-3.52	0.0	0.17	2.01	4.81e-04	5.83e-05	-1.51e-04	0.14
		0.14	-1.51e-04	0.0	0.0	52.2	0.17	-1.51	4.81e-04	5.83e-05	8.82e-05	0.27

16	149	0.54	1.06e-04	-1.28e-04	-6.81	0.0	0.14	4.01	4.50e-04	-1.75e-04	-1.39e-04	-0.07
		-0.07	-1.39e-04	0.0	0.0	52.2	0.14	-2.80	4.50e-04	-1.75e-04	1.06e-04	0.24
16	151	0.40	8.42e-05	-1.17e-04	-6.81	0.0	0.07	4.05	2.14e-04	-3.51e-04	-5.61e-05	-0.22
		-0.22	-5.61e-05	0.0	0.0	52.2	0.07	-2.76	2.14e-04	-3.51e-04	8.42e-05	0.11
16	152	0.33	7.10e-05	-7.17e-05	-3.52	0.0	0.11	2.04	2.92e-04	-8.29e-05	-8.53e-05	0.02
		0.02	-8.53e-05	0.0	0.0	52.2	0.11	-1.48	2.92e-04	-8.29e-05	7.10e-05	0.17
16	154	0.42	8.60e-05	-1.13e-04	-6.34	0.0	0.09	3.75	2.66e-04	-2.83e-04	-7.45e-05	-0.16
		-0.16	-7.45e-05	0.0	0.0	52.2	0.09	-2.58	2.66e-04	-2.83e-04	8.60e-05	0.14
16	155	0.30	6.67e-05	-6.96e-05	-3.52	0.0	0.10	2.05	2.45e-04	-1.18e-04	-6.88e-05	-9.65e-03
		-9.65e-03	-6.88e-05	0.0	0.0	52.2	0.10	-1.47	2.45e-04	-1.18e-04	6.67e-05	0.14
16	156	0.39	8.17e-05	-1.10e-04	-6.34	0.0	0.07	3.76	2.19e-04	-3.18e-04	-5.79e-05	-0.19
		-0.19	-5.79e-05	0.0	0.0	52.2	0.07	-2.58	2.19e-04	-3.18e-04	8.17e-05	0.12
17	3	1.35	-8.32e-05	-1.56e-04	-11.93	0.0	0.52	2.79	5.61e-03	-9.78e-04	-3.03e-03	1.18
		-0.48	-3.03e-03	0.0	0.0	52.2	0.52	-9.14	5.61e-03	-9.78e-04	-8.32e-05	-0.48
17	4	1.48	-1.40e-04	-1.66e-04	-11.93	0.0	0.65	2.74	4.92e-03	-8.15e-04	-2.72e-03	1.32
		-0.36	-2.72e-03	0.0	0.0	52.2	0.65	-9.19	4.92e-03	-8.15e-04	-1.40e-04	-0.36
17	5	0.61	-6.38e-05	-5.27e-05	-3.20	0.0	0.29	0.45	1.40e-03	-1.90e-04	-7.93e-04	0.60
		-1.84e-03	-7.93e-04	0.0	0.0	52.2	0.29	-2.75	1.40e-03	-1.90e-04	-6.38e-05	-1.84e-03
17	7	1.09	-5.08e-05	-1.30e-04	-10.25	0.0	0.39	2.46	5.00e-03	-8.91e-04	-2.68e-03	0.93
		-0.46	-2.68e-03	0.0	0.0	52.2	0.39	-7.79	5.00e-03	-8.91e-04	-5.08e-05	-0.46
17	11	1.47	-2.01e-04	-1.52e-04	-9.82	0.0	0.74	2.08	3.14e-03	-4.42e-04	-1.84e-03	1.36
		-0.12	-1.84e-03	0.0	0.0	52.2	0.74	-7.73	3.14e-03	-4.42e-04	-2.01e-04	-0.12
17	16	4.64	-7.12e-03	3.72e-05	-6.34	0.0	0.59	5.14	0.08	0.07	-0.05	3.55
		3.55	-0.05	5.80e-04	0.0	52.2	0.59	-1.19	0.08	0.07	-7.12e-03	4.58
17	17	-2.02	0.05	-2.14e-04	-6.34	0.0	0.11	-2.46	-0.08	-0.07	0.05	-2.02
		-4.96	6.99e-03	-5.80e-04	0.0	52.2	0.11	-8.80	-0.08	-0.07	6.99e-03	-4.96
17	28	5.24	-5.52e-03	4.52e-05	-6.34	0.0	-0.83	5.70	0.06	0.07	-0.04	3.90
		3.90	-0.04	6.56e-04	0.0	52.2	-0.83	-0.64	0.06	0.07	-5.52e-03	5.23
17	29	-2.38	0.03	-2.22e-04	-6.34	0.0	1.53	-3.02	-0.06	-0.07	0.03	-2.38
		-5.61	5.39e-03	-6.56e-04	0.0	52.2	1.53	-9.36	-0.06	-0.07	5.39e-03	-5.61
17	44	4.57	-5.14e-04	-1.17e-05	-6.34	0.0	-1.11	5.33	0.03	8.91e-03	-0.02	3.41
		3.41	-0.02	2.09e-04	0.0	52.2	-1.11	-1.01	0.03	8.91e-03	-5.14e-04	4.53
17	45	-1.88	0.01	-1.79e-04	-6.34	0.0	1.81	-2.65	-0.02	-9.88e-03	0.01	-1.88
		-4.92	3.85e-04	-2.09e-04	0.0	52.2	1.81	-8.99	-0.02	-9.88e-03	3.85e-04	-4.92
17	48	4.27	-6.36e-03	2.22e-05	-6.34	0.0	0.59	4.83	0.07	0.06	-0.04	3.31
		3.31	-0.04	4.88e-04	0.0	52.2	0.59	-1.51	0.07	0.06	-6.36e-03	4.17
17	49	-1.78	0.04	-1.99e-04	-6.34	0.0	0.10	-2.14	-0.07	-0.06	0.04	-1.78
		-4.56	6.23e-03	-4.88e-04	0.0	52.2	0.10	-8.48	-0.07	-0.06	6.23e-03	-4.56
17	60	4.65	-5.23e-03	2.44e-05	-6.34	0.0	-0.88	5.20	0.05	0.06	-0.03	3.53
		3.53	-0.03	5.27e-04	0.0	52.2	-0.88	-1.13	0.05	0.06	-5.23e-03	4.59
17	61	-2.01	0.03	-2.01e-04	-6.34	0.0	1.57	-2.52	-0.05	-0.06	0.03	-2.01
		-4.98	5.10e-03	-5.27e-04	0.0	52.2	1.57	-8.86	-0.05	-0.06	5.10e-03	-4.98
17	76	4.50	-3.14e-04	-1.37e-05	-6.34	0.0	-1.17	5.27	0.02	5.12e-03	-0.02	3.35
		3.35	-0.02	1.79e-04	0.0	52.2	-1.17	-1.06	0.02	5.12e-03	-3.14e-04	4.45
17	77	-1.83	0.01	-1.75e-04	-6.34	0.0	1.87	-2.59	-0.02	-6.09e-03	0.01	-1.83
		-4.83	1.85e-04	-1.79e-04	0.0	52.2	1.87	-8.93	-0.02	-6.09e-03	1.85e-04	-4.83
17	80	3.80	-5.58e-03	8.42e-06	-6.34	0.0	0.57	4.40	0.06	0.05	-0.04	3.00
		3.00	-0.04	4.23e-04	0.0	52.2	0.57	-1.93	0.06	0.05	-5.58e-03	3.65
17	81	-1.48	0.04	-1.85e-04	-6.34	0.0	0.13	-1.72	-0.06	-0.06	0.04	-1.48
		-4.03	5.45e-03	-4.23e-04	0.0	52.2	0.13	-8.06	-0.06	-0.06	5.45e-03	-4.03
17	92	4.12	-4.64e-03	1.01e-05	-6.34	0.0	-0.75	4.73	0.05	0.05	-0.03	3.19
		3.19	-0.03	4.57e-04	0.0	52.2	-0.75	-1.60	0.05	0.05	-4.64e-03	4.01
17	93	-1.67	0.03	-1.86e-04	-6.34	0.0	1.45	-2.05	-0.04	-0.05	0.03	-1.67
		-4.39	4.51e-03	-4.57e-04	0.0	52.2	1.45	-8.39	-0.04	-0.05	4.51e-03	-4.39
17	108	4.02	-2.68e-04	-1.90e-05	-6.34	0.0	-1.00	4.83	0.02	4.13e-03	-0.01	3.06
		3.06	-0.01	1.57e-04	0.0	52.2	-1.00	-1.50	0.02	4.13e-03	-2.68e-04	3.93
17	109	-1.54	0.01	-1.65e-04	-6.34	0.0	1.70	-2.15	-0.02	-5.10e-03	0.01	-1.54
		-4.31	1.40e-04	-1.57e-04	0.0	52.2	1.70	-8.49	-0.02	-5.10e-03	1.40e-04	-4.31
17	112	5.64	-8.76e-03	6.68e-05	-6.34	0.0	0.64	5.98	0.10	0.08	-0.06	4.16
		4.16	-0.06	7.24e-04	0.0	52.2	0.64	-0.36	0.10	0.08	-8.76e-03	5.63
17	113	-2.64	0.06	-2.43e-04	-6.34	0.0	0.06	-3.30	-0.10	-0.08	0.06	-2.64
		-6.01	8.63e-03	-7.24e-04	0.0	52.2	0.06	-9.63	-0.10	-0.08	8.63e-03	-6.01
17	124	6.53	-6.72e-03	7.96e-05	-6.34	0.0	-1.04	6.75	0.08	0.08	-0.05	4.66
		4.66	-0.05	8.35e-04	0.0	52.2	-1.04	0.41	0.08	0.08	-6.72e-03	6.53
17	125	-3.14	0.04	-2.56e-04	-6.34	0.0	1.74	-4.06	-0.07	-0.08	0.04	-3.14
		-6.91	6.59e-03	-8.35e-04	0.0	52.2	1.74	-10.40	-0.07	-0.08	6.59e-03	-6.91
17	140	5.44	-6.94e-04	2.12e-05	-6.34	0.0	-1.36	6.09	0.03	0.01	-0.02	3.92
		3.92	-0.02	2.61e-04	0.0	52.2	-1.36	-0.25	0.03	0.01	-6.94e-04	5.44
17	141	-2.39	0.02	-1.98e-04	-6.34	0.0	2.06	-3.41	-0.03	-0.01	0.02	-2.39
		-5.82	5.65e-04	-2.61e-04	0.0	52.2	2.06	-9.74	-0.03	-0.01	5.65e-04	-5.82
17	143	0.65	-6.96e-05	-5.72e-05	-3.52	0.0	0.31	0.54	1.48e-03	-2.03e-04	-8.42e-04	0.63
		-9.65e-03	-8.42e-04	0.0	0.0	52.2	0.31	-2.98	1.48e-03	-2.03e-04	-6.96e-05	-9.65e-03
17	145	0.96	-6.09e-05	-1.09e-04	-8.22	0.0	0.38	1.88	3.88e-03	-6.71e-04	-2.10e-03	0.85
		-0.31	-2.10e-03	0.0	0.0	52.2	0.38	-6.34	3.88e-03	-6.71e-04	-6.09e-05	-0.31
17	146	1.05	-9.90e-05	-1.15e-04	-8.22	0.0	0.46	1.84	3.42e-03	-5.62e-04	-1.89e-03	0.94

17	149	-0.24	-1.89e-03	0.0	0.0	52.2	0.46	-6.37	3.42e-03	-5.62e-04	-9.90e-05	-0.24
		1.04	-1.40e-04	-1.06e-04	-6.81	0.0	0.52	1.41	2.24e-03	-3.13e-04	-1.31e-03	0.97
		-0.07	-1.31e-03	0.0	0.0	52.2	0.52	-5.40	2.24e-03	-3.13e-04	-1.40e-04	-0.07
17	150	0.65	-6.96e-05	-5.72e-05	-3.52	0.0	0.31	0.54	1.48e-03	-2.03e-04	-8.42e-04	0.63
		-9.65e-03	-8.42e-04	0.0	0.0	52.2	0.31	-2.98	1.48e-03	-2.03e-04	-6.96e-05	-9.65e-03
17	151	0.87	-6.35e-05	-9.34e-05	-6.81	0.0	0.36	1.47	3.16e-03	-5.30e-04	-1.72e-03	0.78
		-0.22	-1.72e-03	0.0	0.0	52.2	0.36	-5.33	3.16e-03	-5.30e-04	-6.35e-05	-0.22
17	154	0.87	-7.96e-05	-9.08e-05	-6.34	0.0	0.38	1.33	2.74e-03	-4.40e-04	-1.51e-03	0.80
		-0.16	-1.51e-03	0.0	0.0	52.2	0.38	-5.01	2.74e-03	-4.40e-04	-7.96e-05	-0.16
17	155	0.65	-6.96e-05	-5.72e-05	-3.52	0.0	0.31	0.54	1.48e-03	-2.03e-04	-8.42e-04	0.63
		-9.65e-03	-8.42e-04	0.0	0.0	52.2	0.31	-2.98	1.48e-03	-2.03e-04	-6.96e-05	-9.65e-03
17	156	0.84	-6.44e-05	-8.82e-05	-6.34	0.0	0.35	1.34	2.92e-03	-4.84e-04	-1.59e-03	0.76
		-0.19	-1.59e-03	0.0	0.0	52.2	0.35	-5.00	2.92e-03	-4.84e-04	-6.44e-05	-0.19
18	3	2.31	5.07e-03	-1.91e-04	-11.93	0.0	-0.30	4.75	-0.02	-1.39e-03	5.07e-03	1.82
		1.18	-3.12e-03	0.0	0.0	52.2	-0.30	-7.19	-0.02	-1.39e-03	-3.12e-03	1.18
18	4	2.42	4.46e-03	-2.03e-04	-11.93	0.0	-0.23	4.84	-0.01	-1.22e-03	4.46e-03	1.91
		1.32	-2.79e-03	0.0	0.0	52.2	-0.23	-7.10	-0.01	-1.22e-03	-2.79e-03	1.32
18	5	0.89	1.25e-03	-6.80e-05	-3.20	0.0	-0.03	1.30	-4.12e-03	-3.16e-04	1.25e-03	0.76
		0.60	-8.13e-04	0.0	0.0	52.2	-0.03	-1.90	-4.12e-03	-3.16e-04	-8.13e-04	0.60
18	12	1.12	3.09e-05	-9.33e-05	-3.20	0.0	0.11	1.48	-3.85e-04	3.15e-05	3.09e-05	0.94
		0.88	-1.68e-04	0.0	0.0	52.2	0.11	-1.73	-3.85e-04	3.15e-05	-1.68e-04	0.88
18	15	2.91	-0.04	1.38e-04	-6.34	0.0	0.88	3.57	-0.02	0.06	-0.04	2.39
		2.39	-0.05	5.99e-04	0.0	52.2	0.88	-2.76	-0.02	0.06	-0.05	2.60
18	22	-0.05	0.04	-3.54e-04	-6.34	0.0	-1.25	1.56	-4.73e-05	-0.07	0.04	-0.15
		-0.99	0.04	-5.78e-04	0.0	52.2	-1.25	-4.78	-4.73e-05	-0.07	0.04	-0.99
18	28	4.02	-0.02	2.47e-04	-6.34	0.0	-1.76	4.66	-0.02	0.06	-0.02	3.13
		3.13	-0.03	6.65e-04	0.0	52.2	-1.76	-1.68	-0.02	0.06	-0.03	3.90
18	29	-0.94	0.03	-4.65e-04	-6.34	0.0	1.48	0.41	4.23e-03	-0.07	0.03	-0.95
		-2.38	0.03	-6.64e-04	0.0	52.2	1.48	-5.92	4.23e-03	-0.07	0.03	-2.38
18	44	3.54	-1.58e-03	4.71e-05	-6.34	0.0	-2.20	4.55	-0.02	8.00e-03	-1.58e-03	2.69
		2.69	-0.02	2.31e-04	0.0	52.2	-2.20	-1.78	-0.02	8.00e-03	-0.02	3.41
18	45	-0.49	0.01	-2.66e-04	-6.34	0.0	1.93	0.51	-5.70e-04	-9.42e-03	6.86e-03	-0.50
		-1.88	6.86e-03	-2.31e-04	0.0	52.2	1.93	-5.82	-5.70e-04	-9.42e-03	0.01	-1.88
18	47	2.66	-0.03	1.41e-04	-6.34	0.0	0.95	3.38	-0.02	0.05	-0.03	2.19
		2.19	-0.04	5.14e-04	0.0	52.2	0.95	-2.96	-0.02	0.05	-0.04	2.31
18	54	0.16	0.04	-3.58e-04	-6.34	0.0	-1.31	1.75	6.00e-04	-0.06	0.04	0.04
		-0.70	0.03	-4.83e-04	0.0	52.2	-1.31	-4.59	6.00e-04	-0.06	0.03	-0.70
18	60	3.69	-0.02	2.43e-04	-6.34	0.0	-1.79	4.41	-0.02	0.05	-0.02	2.89
		2.89	-0.03	5.36e-04	0.0	52.2	-1.79	-1.92	-0.02	0.05	-0.03	3.53
18	61	-0.69	0.03	-4.62e-04	-6.34	0.0	1.51	0.66	5.04e-03	-0.06	0.03	-0.70
		-2.01	0.03	-5.36e-04	0.0	52.2	1.51	-5.68	5.04e-03	-0.06	0.03	-2.01
18	76	3.49	1.59e-04	4.80e-05	-6.34	0.0	-2.27	4.53	-0.02	4.32e-03	1.59e-04	2.65
		2.65	-0.02	2.06e-04	0.0	52.2	-2.27	-1.81	-0.02	4.32e-03	-0.02	3.35
18	77	-0.45	0.01	-2.67e-04	-6.34	0.0	2.00	0.54	9.17e-05	-5.74e-03	5.11e-03	-0.46
		-1.83	5.11e-03	-2.06e-04	0.0	52.2	2.00	-5.80	9.17e-05	-5.74e-03	0.01	-1.83
18	79	2.49	-0.03	1.14e-04	-6.34	0.0	0.84	3.27	-0.02	0.05	-0.03	2.05
		2.05	-0.04	4.47e-04	0.0	52.2	0.84	-3.07	-0.02	0.05	-0.04	2.10
18	86	0.32	0.03	-3.31e-04	-6.34	0.0	-1.19	1.85	-3.35e-04	-0.06	0.03	0.18
		-0.51	0.03	-4.19e-04	0.0	52.2	-1.19	-4.48	-3.35e-04	-0.06	0.03	-0.51
18	92	3.39	-0.02	2.05e-04	-6.34	0.0	-1.61	4.18	-0.02	0.05	-0.02	2.67
		2.67	-0.03	4.64e-04	0.0	52.2	-1.61	-2.15	-0.02	0.05	-0.03	3.19
18	93	-0.45	0.02	-4.23e-04	-6.34	0.0	1.34	0.88	3.63e-03	-0.05	0.02	-0.48
		-1.67	0.02	-4.64e-04	0.0	52.2	1.34	-5.45	3.63e-03	-0.05	0.02	-1.67
18	108	3.23	5.95e-04	3.10e-05	-6.34	0.0	-2.04	4.31	-0.02	3.40e-03	5.95e-04	2.47
		2.47	-0.01	1.81e-04	0.0	52.2	-2.04	-2.03	-0.02	3.40e-03	-0.01	3.06
18	109	-0.26	0.01	-2.50e-04	-6.34	0.0	1.77	0.76	-7.85e-04	-4.82e-03	4.68e-03	-0.29
		-1.54	4.68e-03	-1.80e-04	0.0	52.2	1.77	-5.57	-7.85e-04	-4.82e-03	0.01	-1.54
18	111	3.32	-0.05	1.83e-04	-6.34	0.0	1.04	3.85	-0.02	0.07	-0.05	2.71
		2.71	-0.06	7.44e-04	0.0	52.2	1.04	-2.49	-0.02	0.07	-0.06	3.06
18	118	-0.39	0.05	-3.99e-04	-6.34	0.0	-1.43	1.30	1.29e-03	-0.08	0.05	-0.46
		-1.43	0.05	-7.23e-04	0.0	52.2	-1.43	-5.04	1.29e-03	-0.08	0.05	-1.43
18	124	4.72	-0.03	3.18e-04	-6.34	0.0	-2.05	5.16	-0.02	0.08	-0.03	3.63
		3.63	-0.04	8.45e-04	0.0	52.2	-2.05	-1.17	-0.02	0.08	-0.04	4.66
18	125	-1.44	0.04	-5.37e-04	-6.34	0.0	1.78	-0.10	6.33e-03	-0.08	0.04	-1.44
		-3.14	0.04	-8.44e-04	0.0	52.2	1.78	-6.43	6.33e-03	-0.08	0.04	-3.14
18	140	4.00	-3.16e-03	7.69e-05	-6.34	0.0	-2.55	4.94	-0.02	0.01	-3.16e-03	3.00
		3.00	-0.02	2.85e-04	0.0	52.2	-2.55	-1.40	-0.02	0.01	-0.02	3.92
18	141	-0.81	0.02	-2.96e-04	-6.34	0.0	2.28	0.13	6.85e-04	-0.01	8.43e-03	-0.81
		-2.39	8.43e-03	-2.85e-04	0.0	52.2	2.28	-6.20	6.85e-04	-0.01	0.02	-2.39
18	143	0.95	1.33e-03	-7.34e-05	-3.52	0.0	-0.04	1.43	-4.38e-03	-3.38e-04	1.33e-03	0.80
		0.63	-8.64e-04	0.0	0.0	52.2	-0.04	-2.09	-4.38e-03	-3.38e-04	-8.64e-04	0.63
18	145	1.63	3.51e-03	-1.33e-04	-8.22	0.0	-0.20	3.27	-0.01	-9.58e-04	3.51e-03	1.29
		0.85	-2.16e-03	0.0	0.0	52.2	-0.20	-4.95	-0.01	-9.58e-04	-2.16e-03	0.85
18	146	1.70	3.10e-03	-1.42e-04	-8.22	0.0	-0.16	3.33	-0.01	-8.42e-04	3.10e-03	1.35
		0.94	-1.94e-03	0.0	0.0	52.2	-0.16	-4.89	-0.01	-8.42e-04	-1.94e-03	0.94

18	147	1.10	5.15e-04	-9.03e-05	-3.52	0.0	0.06	1.55	-1.89e-03	-1.06e-04	5.15e-04	0.92
		0.81	-4.33e-04	0.0	0.0	52.2	0.06	-1.97	-1.89e-03	-1.06e-04	-4.33e-04	0.81
18	150	0.95	1.33e-03	-7.34e-05	-3.52	0.0	-0.04	1.43	-4.38e-03	-3.38e-04	1.33e-03	0.80
		0.63	-8.64e-04	0.0	0.0	52.2	-0.04	-2.09	-4.38e-03	-3.38e-04	-8.64e-04	0.63
18	151	1.42	2.85e-03	-1.15e-04	-6.81	0.0	-0.15	2.72	-9.24e-03	-7.72e-04	2.85e-03	1.14
		0.78	-1.77e-03	0.0	0.0	52.2	-0.15	-4.09	-9.24e-03	-7.72e-04	-1.77e-03	0.78
18	152	0.98	1.17e-03	-7.68e-05	-3.52	0.0	-0.02	1.46	-3.88e-03	-2.92e-04	1.17e-03	0.82
		0.67	-7.78e-04	0.0	0.0	52.2	-0.02	-2.06	-3.88e-03	-2.92e-04	-7.78e-04	0.67
18	155	0.95	1.33e-03	-7.34e-05	-3.52	0.0	-0.04	1.43	-4.38e-03	-3.38e-04	1.33e-03	0.80
		0.63	-8.64e-04	0.0	0.0	52.2	-0.04	-2.09	-4.38e-03	-3.38e-04	-8.64e-04	0.63
18	156	1.36	2.64e-03	-1.09e-04	-6.34	0.0	-0.14	2.53	-8.54e-03	-7.10e-04	2.64e-03	1.09
		0.76	-1.64e-03	0.0	0.0	52.2	-0.14	-3.80	-8.54e-03	-7.10e-04	-1.64e-03	0.76
19	3	2.12	4.98e-03	-2.44e-04	-11.93	0.0	-0.90	8.20	8.71e-03	-1.63e-03	3.84e-04	0.65
		0.65	3.84e-04	0.0	0.0	52.2	-0.90	-3.73	8.71e-03	-1.63e-03	4.98e-03	1.82
19	4	2.18	4.38e-03	-2.59e-04	-11.93	0.0	-0.88	8.40	7.55e-03	-1.52e-03	3.87e-04	0.64
		0.64	3.87e-04	0.0	0.0	52.2	-0.88	-3.54	7.55e-03	-1.52e-03	4.38e-03	1.91
19	12	0.95	1.57e-04	-1.18e-04	-3.20	0.0	-0.23	2.90	-2.91e-04	-2.02e-04	1.57e-04	0.26
		0.26	2.74e-05	0.0	0.0	52.2	-0.23	-0.30	-2.91e-04	-2.02e-04	2.74e-05	0.94
19	19	2.45	-3.36e-03	-1.28e-04	-6.34	0.0	-0.73	4.62	-0.07	0.07	-3.36e-03	1.57
		1.57	-0.04	5.76e-04	0.0	52.2	-0.73	-1.72	-0.07	0.07	-0.04	2.33
19	22	9.71e-03	0.04	-1.53e-04	-6.34	0.0	-0.25	4.40	0.08	-0.07	3.81e-03	-0.78
		-0.78	3.81e-03	-5.76e-04	0.0	52.2	-0.25	-1.94	0.08	-0.07	0.04	-0.15
19	28	3.19	-2.74e-03	-1.44e-04	-6.34	0.0	-2.71	5.18	-0.04	0.06	-2.74e-03	2.11
		2.11	-0.02	6.71e-04	0.0	52.2	-2.71	-1.16	-0.04	0.06	-0.02	3.13
19	29	-0.70	0.02	-1.37e-04	-6.34	0.0	1.73	3.84	0.05	-0.07	3.19e-03	-1.32
		-1.32	3.19e-03	-6.71e-04	0.0	52.2	1.73	-2.50	0.05	-0.07	0.02	-0.95
19	44	2.73	1.21e-03	-9.24e-05	-6.34	0.0	-2.92	5.33	3.30e-03	7.70e-03	2.27e-04	1.58
		1.58	2.27e-04	2.48e-04	0.0	52.2	-2.92	-1.00	3.30e-03	7.70e-03	1.21e-03	2.69
19	45	-0.22	3.97e-03	-1.89e-04	-6.34	0.0	1.94	3.68	5.65e-03	-9.43e-03	2.26e-04	-0.80
		-0.80	2.26e-04	-2.49e-04	0.0	52.2	1.94	-2.65	5.65e-03	-9.43e-03	3.97e-03	-0.50
19	51	2.27	-3.50e-03	-1.48e-04	-6.34	0.0	-0.66	4.57	-0.06	0.06	-3.50e-03	1.41
		1.41	-0.03	4.81e-04	0.0	52.2	-0.66	-1.77	-0.06	0.06	-0.03	2.15
19	54	0.19	0.04	-1.33e-04	-6.34	0.0	-0.32	4.45	0.07	-0.06	3.95e-03	-0.62
		-0.62	3.95e-03	-4.81e-04	0.0	52.2	-0.32	-1.89	0.07	-0.06	0.04	0.04
19	60	2.96	-2.72e-03	-1.52e-04	-6.34	0.0	-2.57	5.12	-0.03	0.06	-2.72e-03	1.90
		1.90	-0.02	5.42e-04	0.0	52.2	-2.57	-1.22	-0.03	0.06	-0.02	2.89
19	61	-0.47	0.02	-1.29e-04	-6.34	0.0	1.59	3.90	0.04	-0.06	3.17e-03	-1.12
		-1.12	3.17e-03	-5.42e-04	0.0	52.2	1.59	-2.44	0.04	-0.06	0.02	-0.70
19	76	2.69	2.37e-03	-9.26e-05	-6.34	0.0	-2.94	5.34	5.15e-03	3.99e-03	3.28e-04	1.55
		1.55	3.28e-04	2.24e-04	0.0	52.2	-2.94	-1.00	5.15e-03	3.99e-03	2.37e-03	2.65
19	77	-0.19	2.81e-03	-1.88e-04	-6.34	0.0	1.96	3.68	3.80e-03	-5.71e-03	1.24e-04	-0.76
		-0.76	1.24e-04	-2.25e-04	0.0	52.2	1.96	-2.66	3.80e-03	-5.71e-03	2.81e-03	-0.46
19	83	2.14	-3.10e-03	-1.49e-04	-6.34	0.0	-0.63	4.56	-0.06	0.06	-3.10e-03	1.28
		1.28	-0.03	4.17e-04	0.0	52.2	-0.63	-1.78	-0.06	0.06	-0.03	2.01
19	86	0.32	0.03	-1.32e-04	-6.34	0.0	-0.35	4.46	0.06	-0.06	3.55e-03	-0.49
		-0.49	3.55e-03	-4.17e-04	0.0	52.2	-0.35	-1.88	0.06	-0.06	0.03	0.18
19	92	2.74	-2.39e-03	-1.51e-04	-6.34	0.0	-2.33	5.05	-0.03	0.05	-2.39e-03	1.72
		1.72	-0.01	4.69e-04	0.0	52.2	-2.33	-1.29	-0.03	0.05	-0.01	2.67
19	93	-0.26	0.02	-1.30e-04	-6.34	0.0	1.35	3.97	0.04	-0.05	2.84e-03	-0.93
		-0.93	2.84e-03	-4.69e-04	0.0	52.2	1.35	-2.37	0.04	-0.05	0.02	-0.48
19	108	2.53	2.50e-03	-9.79e-05	-6.34	0.0	-2.67	5.25	5.25e-03	3.10e-03	3.28e-04	1.42
		1.42	3.28e-04	1.97e-04	0.0	52.2	-2.67	-1.09	5.25e-03	3.10e-03	2.50e-03	2.47
19	109	-0.03	2.68e-03	-1.83e-04	-6.34	0.0	1.69	3.77	3.70e-03	-4.82e-03	1.25e-04	-0.63
		-0.63	1.25e-04	-1.97e-04	0.0	52.2	1.69	-2.57	3.70e-03	-4.82e-03	2.68e-03	-0.29
19	115	2.76	-3.98e-03	-1.18e-04	-6.34	0.0	-0.81	4.66	-0.09	0.08	-3.98e-03	1.86
		1.86	-0.04	7.21e-04	0.0	52.2	-0.81	-1.68	-0.09	0.08	-0.04	2.64
19	118	-0.29	0.05	-1.63e-04	-6.34	0.0	-0.17	4.36	0.09	-0.08	4.44e-03	-1.07
		-1.07	4.44e-03	-7.21e-04	0.0	52.2	-0.17	-1.98	0.09	-0.08	0.05	-0.46
19	124	3.67	-3.32e-03	-1.42e-04	-6.34	0.0	-3.20	5.33	-0.05	0.08	-3.32e-03	2.52
		2.52	-0.02	8.52e-04	0.0	52.2	-3.20	-1.01	-0.05	0.08	-0.02	3.63
19	125	-1.16	0.03	-1.39e-04	-6.34	0.0	2.21	3.69	0.06	-0.08	3.77e-03	-1.74
		-1.74	3.77e-03	-8.52e-04	0.0	52.2	2.21	-2.65	0.06	-0.08	0.03	-1.44
19	140	3.03	4.04e-04	-8.35e-05	-6.34	0.0	-3.35	5.48	2.20e-03	0.01	1.81e-04	1.82
		1.82	1.81e-04	3.05e-04	0.0	52.2	-3.35	-0.85	2.20e-03	0.01	4.04e-04	3.00
19	141	-0.50	4.77e-03	-1.97e-04	-6.34	0.0	2.37	3.53	6.75e-03	-0.01	2.72e-04	-1.03
		-1.03	2.72e-04	-3.05e-04	0.0	52.2	2.37	-2.80	6.75e-03	-0.01	4.77e-03	-0.81
19	143	0.84	1.30e-03	-9.47e-05	-3.52	0.0	-0.29	2.74	2.16e-03	-4.61e-04	1.58e-04	0.29
		0.29	1.58e-04	0.0	0.0	52.2	-0.29	-0.78	2.16e-03	-4.61e-04	1.30e-03	0.80
19	145	1.49	3.44e-03	-1.71e-04	-8.22	0.0	-0.63	5.69	6.01e-03	-1.13e-03	2.72e-04	0.46
		0.46	2.72e-04	0.0	0.0	52.2	-0.63	-2.53	6.01e-03	-1.13e-03	3.44e-03	1.29
19	146	1.53	3.04e-03	-1.81e-04	-8.22	0.0	-0.61	5.82	5.24e-03	-1.05e-03	2.74e-04	0.46
		0.46	2.74e-04	0.0	0.0	52.2	-0.61	-2.40	5.24e-03	-1.05e-03	3.04e-03	1.35
19	147	0.94	5.04e-04	-1.14e-04	-3.52	0.0	-0.26	2.99	6.12e-04	-3.10e-04	1.62e-04	0.28
		0.28	1.62e-04	0.0	0.0	52.2	-0.26	-0.52	6.12e-04	-3.10e-04	5.04e-04	0.92
19	150	0.84	1.30e-03	-9.47e-05	-3.52	0.0	-0.29	2.74	2.16e-03	-4.61e-04	1.58e-04	0.29

19	151	0.29	1.58e-04	0.0	0.0	52.2	-0.29	-0.78	2.16e-03	-4.61e-04	1.30e-03	0.80
		1.30	2.80e-03	-1.48e-04	-6.81	0.0	-0.52	4.80	4.86e-03	-9.28e-04	2.38e-04	0.41
		0.41	2.38e-04	0.0	0.0	52.2	-0.52	-2.00	4.86e-03	-9.28e-04	2.80e-03	1.14
19	152	0.86	1.14e-03	-9.86e-05	-3.52	0.0	-0.28	2.79	1.85e-03	-4.31e-04	1.59e-04	0.29
		0.29	1.59e-04	0.0	0.0	52.2	-0.28	-0.73	1.85e-03	-4.31e-04	1.14e-03	0.82
19	155	0.84	1.30e-03	-9.47e-05	-3.52	0.0	-0.29	2.74	2.16e-03	-4.61e-04	1.58e-04	0.29
		0.29	1.58e-04	0.0	0.0	52.2	-0.29	-0.78	2.16e-03	-4.61e-04	1.30e-03	0.80
19	156	1.23	2.59e-03	-1.40e-04	-6.34	0.0	-0.49	4.51	4.47e-03	-8.62e-04	2.26e-04	0.39
		0.39	2.26e-04	0.0	0.0	52.2	-0.49	-1.83	4.47e-03	-8.62e-04	2.59e-03	1.09
20	3	0.67	0.02	-2.81e-04	-11.93	0.0	-1.09	10.90	-0.03	-1.97e-03	0.02	-1.93
		-1.93	2.14e-04	0.0	0.0	52.2	-1.09	-1.03	-0.03	-1.97e-03	2.14e-04	0.65
20	4	0.65	0.02	-2.97e-04	-11.93	0.0	-1.04	11.20	-0.03	-1.87e-03	0.02	-2.09
		-2.09	2.17e-04	0.0	0.0	52.2	-1.04	-0.74	-0.03	-1.87e-03	2.17e-04	0.64
20	5	0.28	6.27e-03	-1.01e-04	-3.20	0.0	-0.30	3.46	-0.01	-5.07e-04	6.27e-03	-0.70
		-0.70	9.27e-05	0.0	0.0	52.2	-0.30	0.26	-0.01	-5.07e-04	9.27e-05	0.28
20	12	0.26	7.00e-03	-1.34e-04	-3.20	0.0	-0.21	4.06	-0.01	-3.11e-04	7.00e-03	-1.02
		-1.02	9.98e-05	0.0	0.0	52.2	-0.21	0.85	-0.01	-3.11e-04	9.98e-05	0.26
20	20	2.24	8.91e-03	-3.48e-05	-6.34	0.0	-3.51	4.07	0.25	0.07	-0.12	1.57
		1.57	-0.12	6.10e-04	0.0	52.2	-3.51	-2.26	0.25	0.07	8.91e-03	2.02
20	21	-1.23	0.14	-2.89e-04	-6.34	0.0	2.35	8.02	-0.29	-0.07	0.14	-3.79
		-3.79	-8.65e-03	-6.10e-04	0.0	52.2	2.35	1.69	-0.29	-0.07	-8.65e-03	-1.23
20	28	2.30	9.48e-03	-4.96e-05	-6.34	0.0	-4.63	4.20	0.24	0.07	-0.11	1.59
		1.59	-0.11	6.72e-04	0.0	52.2	-4.63	-2.13	0.24	0.07	9.48e-03	2.11
20	29	-1.32	0.13	-2.74e-04	-6.34	0.0	3.47	7.89	-0.28	-0.08	0.13	-3.81
		-3.81	-9.22e-03	-6.72e-04	0.0	52.2	3.47	1.55	-0.28	-0.08	-9.22e-03	-1.32
20	52	2.04	7.62e-03	-5.66e-05	-6.34	0.0	-3.29	4.37	0.21	0.06	-0.10	1.27
		1.27	-0.10	5.24e-04	0.0	52.2	-3.29	-1.96	0.21	0.06	7.62e-03	1.87
20	53	-1.08	0.12	-2.67e-04	-6.34	0.0	2.14	7.72	-0.25	-0.06	0.12	-3.49
		-3.49	-7.35e-03	-5.24e-04	0.0	52.2	2.14	1.38	-0.25	-0.06	-7.35e-03	-1.08
20	76	1.58	1.47e-03	-8.68e-05	-6.34	0.0	-4.62	5.83	0.07	5.95e-03	-0.03	0.32
		0.32	-0.03	2.36e-04	0.0	52.2	-4.62	-0.51	0.07	5.95e-03	1.47e-03	1.55
20	77	-0.76	0.05	-2.37e-04	-6.34	0.0	3.46	6.26	-0.11	-8.02e-03	0.05	-2.54
		-2.54	-1.21e-03	-2.36e-04	0.0	52.2	3.46	-0.07	-0.11	-8.02e-03	-1.21e-03	-0.76
20	84	1.82	6.64e-03	-7.08e-05	-6.34	0.0	-2.97	4.59	0.18	0.05	-0.09	0.98
		0.98	-0.09	4.56e-04	0.0	52.2	-2.97	-1.74	0.18	0.05	6.64e-03	1.69
20	85	-0.91	0.11	-2.53e-04	-6.34	0.0	1.81	7.50	-0.22	-0.06	0.11	-3.19
		-3.19	-6.38e-03	-4.56e-04	0.0	52.2	1.81	1.17	-0.22	-0.06	-6.38e-03	-0.91
20	108	1.44	1.27e-03	-9.59e-05	-6.34	0.0	-4.17	5.87	0.06	4.75e-03	-0.03	0.16
		0.16	-0.03	2.07e-04	0.0	52.2	-4.17	-0.47	0.06	4.75e-03	1.27e-03	1.42
20	109	-0.63	0.05	-2.27e-04	-6.34	0.0	3.01	6.23	-0.09	-6.82e-03	0.05	-2.38
		-2.38	-1.01e-03	-2.07e-04	0.0	52.2	3.01	-0.11	-0.09	-6.82e-03	-1.01e-03	-0.63
20	116	2.71	0.01	-1.23e-05	-6.34	0.0	-4.14	3.58	0.31	0.09	-0.15	2.19
		2.19	-0.15	7.56e-04	0.0	52.2	-4.14	-2.75	0.31	0.09	0.01	2.38
20	117	-1.59	0.17	-3.21e-04	-6.34	0.0	2.98	8.51	-0.35	-0.09	0.17	-4.41
		-4.41	-0.01	-7.57e-04	0.0	52.2	2.98	2.17	-0.35	-0.09	-0.01	-1.59
20	124	2.82	0.01	-2.00e-05	-6.34	0.0	-5.57	3.70	0.31	0.09	-0.15	2.27
		2.27	-0.15	8.54e-04	0.0	52.2	-5.57	-2.64	0.31	0.09	0.01	2.52
20	125	-1.74	0.17	-3.08e-04	-6.34	0.0	4.41	8.39	-0.34	-0.09	0.17	-4.49
		-4.49	-0.01	-8.54e-04	0.0	52.2	4.41	2.06	-0.34	-0.09	-0.01	-1.74
20	143	0.29	6.65e-03	-1.09e-04	-3.52	0.0	-0.32	3.75	-0.01	-5.50e-04	6.65e-03	-0.75
		-0.75	9.68e-05	0.0	0.0	52.2	-0.32	0.23	-0.01	-5.50e-04	9.68e-05	0.29
20	145	0.48	0.01	-1.97e-04	-8.22	0.0	-0.75	7.58	-0.02	-1.36e-03	0.01	-1.35
		-1.35	1.53e-04	0.0	0.0	52.2	-0.75	-0.64	-0.02	-1.36e-03	1.53e-04	0.48
20	146	0.47	0.01	-2.08e-04	-8.22	0.0	-0.72	7.77	-0.02	-1.29e-03	0.01	-1.45
		-1.45	1.55e-04	0.0	0.0	52.2	-0.72	-0.44	-0.02	-1.29e-03	1.55e-04	0.46
20	147	0.28	7.14e-03	-1.30e-04	-3.52	0.0	-0.26	4.15	-0.01	-4.19e-04	7.14e-03	-0.97
		-0.97	1.02e-04	0.0	0.0	52.2	-0.26	0.63	-0.01	-4.19e-04	1.02e-04	0.28
20	150	0.29	6.65e-03	-1.09e-04	-3.52	0.0	-0.32	3.75	-0.01	-5.50e-04	6.65e-03	-0.75
		-0.75	9.68e-05	0.0	0.0	52.2	-0.32	0.23	-0.01	-5.50e-04	9.68e-05	0.29
20	151	0.42	0.01	-1.70e-04	-6.81	0.0	-0.62	6.43	-0.02	-1.11e-03	0.01	-1.17
		-1.17	1.36e-04	0.0	0.0	52.2	-0.62	-0.38	-0.02	-1.11e-03	1.36e-04	0.42
20	152	0.29	6.75e-03	-1.13e-04	-3.52	0.0	-0.31	3.83	-0.01	-5.23e-04	6.75e-03	-0.80
		-0.80	9.78e-05	0.0	0.0	52.2	-0.31	0.31	-0.01	-5.23e-04	9.78e-05	0.29
20	155	0.29	6.65e-03	-1.09e-04	-3.52	0.0	-0.32	3.75	-0.01	-5.50e-04	6.65e-03	-0.75
		-0.75	9.68e-05	0.0	0.0	52.2	-0.32	0.23	-0.01	-5.50e-04	9.68e-05	0.29
20	156	0.40	9.76e-03	-1.62e-04	-6.34	0.0	-0.58	6.05	-0.02	-1.03e-03	9.76e-03	-1.11
		-1.11	1.30e-04	0.0	0.0	52.2	-0.58	-0.29	-0.02	-1.03e-03	1.30e-04	0.39
21	3	-1.93	0.03	-3.16e-04	-13.26	0.0	-0.98	13.02	-0.02	1.54e-03	0.03	-5.63
		-5.63	0.02	-2.07e-06	0.0	58.0	-0.98	-0.24	-0.02	1.54e-03	0.02	-1.93
21	4	-2.09	0.02	-3.33e-04	-13.26	0.0	-0.94	13.35	-6.39e-03	1.14e-03	0.02	-5.99
		-5.99	0.02	-2.08e-06	0.0	58.0	-0.94	0.09	-6.39e-03	1.14e-03	0.02	-2.09
21	5	-0.70	6.24e-03	-1.13e-04	-3.56	0.0	-0.24	4.07	8.54e-03	3.07e-04	1.42e-03	-2.02
		-2.02	1.42e-03	0.0	0.0	58.0	-0.24	0.51	8.54e-03	3.07e-04	6.24e-03	-0.70
21	12	-1.02	7.07e-03	-1.47e-04	-3.56	0.0	-0.16	4.74	0.03	-4.89e-04	-0.01	-2.74
		-2.74	-0.01	0.0	0.0	58.0	-0.16	1.18	0.03	-4.89e-04	7.07e-03	-1.02

21	20	3.22	-0.07	-1.62e-05	-7.04	0.0	-4.92	0.68	2.83	-0.10	-1.72	3.20
		1.57	-1.72	6.91e-04	0.0	58.0	-4.92	-6.37	2.83	-0.10	-0.07	1.57
21	21	-3.79	1.74	-3.58e-04	-7.04	0.0	3.90	13.70	-2.84	0.11	1.74	-9.67
		-9.67	0.09	-6.94e-04	0.0	58.0	3.90	6.66	-2.84	0.11	0.09	-3.79
21	28	3.06	-0.06	-1.81e-05	-7.04	0.0	-5.90	1.01	2.75	-0.09	-1.66	3.01
		1.59	-1.66	7.59e-04	0.0	58.0	-5.90	-6.03	2.75	-0.09	-0.06	1.59
21	29	-3.81	1.69	-3.55e-04	-7.04	0.0	4.88	13.37	-2.76	0.09	1.69	-9.49
		-9.49	0.08	-7.62e-04	0.0	58.0	4.88	6.33	-2.76	0.09	0.08	-3.81
21	52	2.47	-0.06	-3.10e-05	-7.04	0.0	-4.47	1.59	2.45	-0.10	-1.49	2.36
		1.27	-1.49	5.94e-04	0.0	58.0	-4.47	-5.45	2.45	-0.10	-0.06	1.27
21	53	-3.49	1.51	-3.34e-04	-7.04	0.0	3.45	12.79	-2.46	0.10	1.51	-8.83
		-8.83	0.08	-5.96e-04	0.0	58.0	3.45	5.75	-2.46	0.10	0.08	-3.49
21	60	2.15	-0.05	-4.17e-05	-7.04	0.0	-5.22	2.15	2.26	-0.09	-1.37	1.94
		1.19	-1.37	6.12e-04	0.0	58.0	-5.22	-4.89	2.26	-0.09	-0.05	1.19
21	61	-3.41	1.39	-3.21e-04	-7.04	0.0	4.20	12.23	-2.27	0.09	1.39	-8.42
		-8.42	0.07	-6.14e-04	0.0	58.0	4.20	5.19	-2.27	0.09	0.07	-3.41
21	84	1.87	-0.05	-4.78e-05	-7.04	0.0	-3.98	2.31	2.14	-0.09	-1.29	1.64
		0.98	-1.29	5.16e-04	0.0	58.0	-3.98	-4.73	2.14	-0.09	-0.05	0.98
21	85	-3.19	1.32	-3.15e-04	-7.04	0.0	2.96	12.07	-2.14	0.09	1.32	-8.12
		-8.12	0.07	-5.19e-04	0.0	58.0	2.96	5.03	-2.14	0.09	0.07	-3.19
21	92	1.61	-0.04	-6.01e-05	-7.04	0.0	-4.64	2.82	1.96	-0.08	-1.19	1.27
		0.90	-1.19	5.29e-04	0.0	58.0	-4.64	-4.22	1.96	-0.08	-0.04	0.90
21	93	-3.12	1.21	-3.03e-04	-7.04	0.0	3.62	11.56	-1.97	0.08	1.21	-7.74
		-7.74	0.06	-5.32e-04	0.0	58.0	3.62	4.52	-1.97	0.08	0.06	-3.12
21	116	4.73	-0.09	3.82e-05	-7.04	0.0	-5.91	-0.90	3.51	-0.12	-2.13	4.73
		2.19	-2.13	8.58e-04	0.0	58.0	-5.91	-7.94	3.51	-0.12	-0.09	2.19
21	117	-4.41	2.16	-4.01e-04	-7.04	0.0	4.89	15.28	-3.52	0.13	2.16	-11.20
		-11.20	0.11	-8.61e-04	0.0	58.0	4.89	8.24	-3.52	0.13	0.11	-4.41
21	124	4.66	-0.08	3.90e-05	-7.04	0.0	-7.21	-0.65	3.48	-0.11	-2.11	4.66
		2.27	-2.11	9.65e-04	0.0	58.0	-7.21	-7.69	3.48	-0.11	-0.08	2.27
21	125	-4.49	2.13	-4.02e-04	-7.04	0.0	6.18	15.03	-3.49	0.11	2.13	-11.13
		-11.13	0.10	-9.67e-04	0.0	58.0	6.18	7.99	-3.49	0.11	0.10	-4.49
21	143	-0.75	6.63e-03	-1.21e-04	-3.91	0.0	-0.26	4.42	8.54e-03	3.13e-04	1.80e-03	-2.18
		-2.18	1.80e-03	0.0	0.0	58.0	-0.26	0.51	8.54e-03	3.13e-04	6.63e-03	-0.75
21	145	-1.35	0.02	-2.21e-04	-9.13	0.0	-0.67	9.04	-0.01	1.06e-03	0.02	-3.94
		-3.94	0.01	-1.45e-06	0.0	58.0	-0.67	-0.09	-0.01	1.06e-03	0.01	-1.35
21	146	-1.45	0.01	-2.33e-04	-9.13	0.0	-0.65	9.26	-3.12e-03	7.98e-04	0.01	-4.18
		-4.18	0.01	-1.47e-06	0.0	58.0	-0.65	0.13	-3.12e-03	7.98e-04	0.01	-1.45
21	147	-0.97	7.18e-03	-1.44e-04	-3.91	0.0	-0.21	4.86	0.02	-2.18e-04	-6.41e-03	-2.66
		-2.66	-6.41e-03	0.0	0.0	58.0	-0.21	0.95	0.02	-2.18e-04	7.18e-03	-0.97
21	150	-0.75	6.63e-03	-1.21e-04	-3.91	0.0	-0.26	4.42	8.54e-03	3.13e-04	1.80e-03	-2.18
		-2.18	1.80e-03	0.0	0.0	58.0	-0.26	0.51	8.54e-03	3.13e-04	6.63e-03	-0.75
21	151	-1.17	0.01	-1.91e-04	-7.56	0.0	-0.55	7.65	-5.05e-03	8.38e-04	0.01	-3.41
		-3.41	0.01	-1.26e-06	0.0	58.0	-0.55	0.09	-5.05e-03	8.38e-04	0.01	-1.17
21	152	-0.80	6.74e-03	-1.26e-04	-3.91	0.0	-0.25	4.51	0.01	2.07e-04	1.57e-04	-2.28
		-2.28	1.57e-04	0.0	0.0	58.0	-0.25	0.60	0.01	2.07e-04	6.74e-03	-0.80
21	155	-0.75	6.63e-03	-1.21e-04	-3.91	0.0	-0.26	4.42	8.54e-03	3.13e-04	1.80e-03	-2.18
		-2.18	1.80e-03	0.0	0.0	58.0	-0.26	0.51	8.54e-03	3.13e-04	6.63e-03	-0.75
21	156	-1.11	0.01	-1.81e-04	-7.04	0.0	-0.51	7.19	-3.11e-03	7.63e-04	0.01	-3.24
		-3.24	9.64e-03	-1.19e-06	0.0	58.0	-0.51	0.15	-3.11e-03	7.63e-04	9.64e-03	-1.11
22	3	-4.82	0.03	-1.61e-04	-0.30	0.0	-0.74	-1.41	0.04	1.99e-03	8.23e-03	-4.82
		-5.63	8.23e-03	-4.61e-06	0.0	52.5	-0.74	-1.71	0.04	1.99e-03	0.03	-5.63
22	4	-5.08	0.02	-1.69e-04	-0.30	0.0	-0.69	-1.58	0.03	2.02e-03	6.42e-03	-5.08
		-5.99	6.42e-03	-3.99e-06	0.0	52.5	-0.69	-1.88	0.03	2.02e-03	0.02	-5.99
22	5	-1.72	1.59e-03	-5.71e-05	-0.23	0.0	-0.17	-0.47	3.79e-03	6.17e-04	-3.22e-04	-1.72
		-2.02	-3.22e-04	0.0	0.0	52.5	-0.17	-0.70	3.79e-03	6.17e-04	1.59e-03	-2.02
22	12	-2.24	-3.94e-03	-7.22e-05	-0.23	0.0	-0.06	-0.83	-0.01	6.63e-04	-3.94e-03	-2.24
		-2.74	-9.99e-03	0.0	0.0	52.5	-0.06	-1.06	-0.01	6.63e-04	-9.99e-03	-2.74
22	20	3.20	-0.43	-1.70e-04	-0.23	0.0	-7.87	11.37	-1.99	-0.07	-0.43	-2.98
		-2.98	-1.47	7.95e-04	0.0	52.5	-7.87	11.14	-1.99	-0.07	-1.47	-2.98
22	21	-2.54	1.49	-1.47e-05	-0.23	0.0	7.11	-12.95	2.02	0.08	0.44	-2.54
		-9.67	0.44	-8.00e-04	0.0	52.5	7.11	-13.18	2.02	0.08	1.49	-9.67
22	28	3.01	-0.38	-1.59e-04	-0.23	0.0	-9.12	10.70	-2.01	-0.06	-0.38	-3.03
		-3.03	-1.42	8.50e-04	0.0	52.5	-9.12	10.47	-2.01	-0.06	-1.42	-3.03
22	29	-2.50	1.45	-2.56e-05	-0.23	0.0	8.36	-12.28	2.04	0.07	0.39	-2.50
		-9.49	0.39	-8.55e-04	0.0	52.5	8.36	-12.51	2.04	0.07	1.45	-9.49
22	52	2.36	-0.38	-1.56e-04	-0.23	0.0	-7.05	9.67	-1.72	-0.07	-0.38	-3.00
		-3.00	-1.27	6.82e-04	0.0	52.5	-7.05	9.44	-1.72	-0.07	-1.27	-3.00
22	53	-2.53	1.29	-2.82e-05	-0.23	0.0	6.29	-11.26	1.75	0.08	0.39	-2.53
		-8.83	0.39	-6.86e-04	0.0	52.5	6.29	-11.49	1.75	0.08	1.29	-8.83
22	60	1.94	-0.32	-1.44e-04	-0.23	0.0	-7.93	8.60	-1.65	-0.06	-0.32	-3.07
		-3.07	-1.17	6.84e-04	0.0	52.5	-7.93	8.37	-1.65	-0.06	-1.17	-3.07
22	61	-2.46	1.19	-4.03e-05	-0.23	0.0	7.17	-10.18	1.68	0.07	0.33	-2.46
		-8.42	0.33	-6.88e-04	0.0	52.5	7.17	-10.41	1.68	0.07	1.19	-8.42
22	84	1.64	-0.33	-1.48e-04	-0.23	0.0	-6.21	8.32	-1.49	-0.06	-0.33	-2.97

22	85	-2.97	-1.10	5.93e-04	0.0	52.5	-6.21	8.09	-1.49	-0.06	-1.10	1.64
		-2.55	1.13	-3.68e-05	-0.23	0.0	5.46	-9.90	1.53	0.07	0.34	-2.55
		-8.12	0.34	-5.97e-04	0.0	52.5	5.46	-10.13	1.53	0.07	1.13	-8.12
22	92	1.27	-0.28	-1.37e-04	-0.23	0.0	-6.98	7.36	-1.43	-0.06	-0.28	-3.04
		-3.04	-1.01	5.91e-04	0.0	52.5	-6.98	7.12	-1.43	-0.06	-1.01	1.27
22	93	-2.48	1.04	-4.75e-05	-0.23	0.0	6.22	-8.94	1.46	0.06	0.29	-2.48
		-7.74	0.29	-5.96e-04	0.0	52.5	6.22	-9.17	1.46	0.06	1.04	-7.74
22	116	4.73	-0.54	-1.89e-04	-0.23	0.0	-9.58	14.31	-2.47	-0.09	-0.54	-3.02
		-3.02	-1.82	9.88e-04	0.0	52.5	-9.58	14.08	-2.47	-0.09	-1.82	4.73
22	117	-2.50	1.84	9.87e-06	-0.23	0.0	8.82	-15.89	2.50	0.09	0.54	-2.50
		-11.20	0.54	-9.93e-04	0.0	52.5	8.82	-16.12	2.50	0.09	1.84	-11.20
22	124	4.66	-0.48	-1.78e-04	-0.23	0.0	-11.27	13.78	-2.54	-0.08	-0.48	-3.06
		-3.06	-1.80	1.08e-03	0.0	52.5	-11.27	13.55	-2.54	-0.08	-1.80	4.66
22	125	-2.46	1.83	-6.56e-06	-0.23	0.0	10.52	-15.36	2.57	0.08	0.49	-2.46
		-11.13	0.49	-1.09e-03	0.0	52.5	10.52	-15.59	2.57	0.08	1.83	-11.13
22	143	-1.85	1.97e-03	-6.14e-05	-0.23	0.0	-0.18	-0.52	4.20e-03	6.67e-04	-1.55e-04	-1.85
		-2.18	-1.55e-04	0.0	0.0	52.5	-0.18	-0.75	4.20e-03	6.67e-04	1.97e-03	-2.18
22	145	-3.37	0.02	-1.13e-04	-0.23	0.0	-0.51	-0.97	0.02	1.38e-03	5.36e-03	-3.37
		-3.94	5.36e-03	-3.14e-06	0.0	52.5	-0.51	-1.20	0.02	1.38e-03	0.02	-3.94
22	146	-3.54	0.01	-1.18e-04	-0.23	0.0	-0.47	-1.09	0.02	1.40e-03	4.15e-03	-3.54
		-4.18	4.15e-03	-2.72e-06	0.0	52.5	-0.47	-1.32	0.02	1.40e-03	0.01	-4.18
22	147	-2.20	-2.57e-03	-7.14e-05	-0.23	0.0	-0.11	-0.76	-6.38e-03	6.98e-04	-2.57e-03	-2.20
		-2.66	-5.75e-03	0.0	0.0	52.5	-0.11	-0.99	-6.38e-03	6.98e-04	-5.75e-03	-2.66
22	150	-1.85	1.97e-03	-6.14e-05	-0.23	0.0	-0.18	-0.52	4.20e-03	6.67e-04	-1.55e-04	-1.85
		-2.18	-1.55e-04	0.0	0.0	52.5	-0.18	-0.75	4.20e-03	6.67e-04	1.97e-03	-2.18
22	151	-2.91	0.01	-9.73e-05	-0.23	0.0	-0.41	-0.84	0.02	1.17e-03	3.70e-03	-2.91
		-3.41	3.70e-03	-2.47e-06	0.0	52.5	-0.41	-1.07	0.02	1.17e-03	0.01	-3.41
22	152	-1.92	4.28e-04	-6.34e-05	-0.23	0.0	-0.17	-0.57	2.08e-03	6.74e-04	-6.37e-04	-1.92
		-2.28	-6.37e-04	0.0	0.0	52.5	-0.17	-0.80	2.08e-03	6.74e-04	4.28e-04	-2.28
22	155	-1.85	1.97e-03	-6.14e-05	-0.23	0.0	-0.18	-0.52	4.20e-03	6.67e-04	-1.55e-04	-1.85
		-2.18	-1.55e-04	0.0	0.0	52.5	-0.18	-0.75	4.20e-03	6.67e-04	1.97e-03	-2.18
22	156	-2.76	0.01	-9.22e-05	-0.23	0.0	-0.38	-0.79	0.02	1.10e-03	3.15e-03	-2.76
		-3.24	3.15e-03	-2.24e-06	0.0	52.5	-0.38	-1.02	0.02	1.10e-03	0.01	-3.24
23	3	-3.25	8.47e-03	-1.06e-04	-0.30	0.0	-0.56	-2.84	0.01	1.58e-03	3.20e-03	-3.25
		-4.82	3.20e-03	-5.30e-06	0.0	52.5	-0.56	-3.14	0.01	1.58e-03	8.47e-03	-4.82
23	4	-3.40	6.60e-03	-1.11e-04	-0.30	0.0	-0.52	-3.05	8.34e-03	1.62e-03	2.48e-03	-3.40
		-5.08	2.48e-03	-4.53e-06	0.0	52.5	-0.52	-3.35	8.34e-03	1.62e-03	6.60e-03	-5.08
23	5	-1.16	-3.00e-04	-3.76e-05	-0.23	0.0	-0.12	-0.96	7.72e-04	5.06e-04	-6.77e-04	-1.16
		-1.72	-6.77e-04	0.0	0.0	52.5	-0.12	-1.19	7.72e-04	5.06e-04	-3.00e-04	-1.72
23	12	-1.46	-2.12e-03	-4.77e-05	-0.23	0.0	-0.03	-1.38	-3.86e-03	5.83e-04	-2.12e-03	-1.46
		-2.24	-4.03e-03	0.0	0.0	52.5	-0.03	-1.61	-3.86e-03	5.83e-04	-4.03e-03	-2.24
23	16	-3.03	-0.27	-9.05e-05	-0.23	0.0	-5.86	6.26	-0.43	0.08	-0.27	-6.05
		-6.05	-0.48	7.84e-04	0.0	52.5	-5.86	6.03	-0.43	0.08	-0.48	-3.03
23	17	2.33	0.48	-3.07e-05	-0.23	0.0	5.30	-9.46	0.43	-0.08	0.27	2.33
		-2.49	0.27	-7.89e-04	0.0	52.5	5.30	-9.69	0.43	-0.08	0.48	-2.49
23	20	-2.98	-0.27	-9.78e-05	-0.23	0.0	-6.18	6.27	-0.45	0.07	-0.27	-6.05
		-6.05	-0.50	8.39e-04	0.0	52.5	-6.18	6.04	-0.45	0.07	-0.50	-2.98
23	21	2.33	0.51	-2.34e-05	-0.23	0.0	5.62	-9.47	0.45	-0.07	0.27	2.33
		-2.54	0.27	-8.44e-04	0.0	52.5	5.62	-9.70	0.45	-0.07	0.51	-2.54
23	28	-3.03	-0.20	-9.14e-05	-0.23	0.0	-7.20	5.93	-0.49	0.08	-0.20	-5.71
		-5.71	-0.45	8.87e-04	0.0	52.5	-7.20	5.70	-0.49	0.08	-0.45	-3.03
23	29	1.99	0.46	-2.98e-05	-0.23	0.0	6.64	-9.13	0.50	-0.07	0.20	1.99
		-2.50	0.20	-8.92e-04	0.0	52.5	6.64	-9.36	0.50	-0.07	0.46	-2.50
23	48	-3.04	-0.24	-8.30e-05	-0.23	0.0	-5.22	5.18	-0.37	0.07	-0.24	-5.44
		-5.44	-0.41	6.56e-04	0.0	52.5	-5.22	4.95	-0.37	0.07	-0.41	-3.04
23	49	1.72	0.42	-3.82e-05	-0.23	0.0	4.66	-8.38	0.38	-0.07	0.24	1.72
		-2.48	0.24	-6.61e-04	0.0	52.5	4.66	-8.61	0.38	-0.07	0.42	-2.48
23	52	-3.00	-0.24	-9.12e-05	-0.23	0.0	-5.54	5.19	-0.39	0.06	-0.24	-5.44
		-5.44	-0.44	7.19e-04	0.0	52.5	-5.54	4.96	-0.39	0.06	-0.44	-3.00
23	53	1.72	0.45	-3.01e-05	-0.23	0.0	4.98	-8.39	0.40	-0.06	0.24	1.72
		-2.53	0.24	-7.24e-04	0.0	52.5	4.98	-8.62	0.40	-0.06	0.45	-2.53
23	60	-3.07	-0.18	-8.44e-05	-0.23	0.0	-6.27	4.56	-0.41	0.06	-0.18	-4.99
		-4.99	-0.38	7.12e-04	0.0	52.5	-6.27	4.33	-0.41	0.06	-0.38	-3.07
23	61	1.27	0.38	-3.69e-05	-0.23	0.0	5.71	-7.77	0.42	-0.06	0.18	1.27
		-2.46	0.18	-7.17e-04	0.0	52.5	5.71	-8.00	0.42	-0.06	0.38	-2.46
23	80	-3.01	-0.21	-7.98e-05	-0.23	0.0	-4.60	4.30	-0.32	0.06	-0.21	-4.98
		-4.98	-0.36	5.69e-04	0.0	52.5	-4.60	4.07	-0.32	0.06	-0.36	-3.01
23	81	1.26	0.36	-4.15e-05	-0.23	0.0	4.04	-7.50	0.33	-0.06	0.21	1.26
		-2.51	0.21	-5.74e-04	0.0	52.5	4.04	-7.74	0.33	-0.06	0.36	-2.51
23	84	-2.97	-0.21	-8.70e-05	-0.23	0.0	-4.88	4.31	-0.34	0.05	-0.21	-4.98
		-4.98	-0.38	6.25e-04	0.0	52.5	-4.88	4.08	-0.34	0.05	-0.38	-2.97
23	85	1.26	0.39	-3.42e-05	-0.23	0.0	4.32	-7.51	0.35	-0.05	0.21	1.26
		-2.55	0.21	-6.30e-04	0.0	52.5	4.32	-7.74	0.35	-0.05	0.39	-2.55
23	92	-3.04	-0.15	-8.11e-05	-0.23	0.0	-5.51	3.75	-0.35	0.06	-0.15	-4.57
		-4.57	-0.33	6.16e-04	0.0	52.5	-5.51	3.52	-0.35	0.06	-0.33	-3.04

23	93	0.85	0.34	-4.02e-05	-0.23	0.0	4.95	-6.95	0.36	-0.05	0.16	0.85
		-2.48	0.16	-6.21e-04	0.0	52.5	4.95	-7.18	0.36	-0.05	0.34	-2.48
23	112	-3.08	-0.34	-9.93e-05	-0.23	0.0	-7.15	8.15	-0.53	0.10	-0.34	-7.07
		-7.07	-0.59	9.82e-04	0.0	52.5	-7.15	7.92	-0.53	0.10	-0.59	-3.08
23	113	3.35	0.60	-2.19e-05	-0.23	0.0	6.59	-11.35	0.54	-0.09	0.34	3.35
		-2.45	0.34	-9.87e-04	0.0	52.5	6.59	-11.58	0.54	-0.09	0.60	-2.45
23	116	-3.02	-0.33	-1.07e-04	-0.23	0.0	-7.53	8.17	-0.55	0.09	-0.33	-7.07
		-7.07	-0.63	1.04e-03	0.0	52.5	-7.53	7.94	-0.55	0.09	-0.63	-3.02
23	117	3.35	0.63	-1.39e-05	-0.23	0.0	6.97	-11.37	0.56	-0.09	0.33	3.35
		-2.50	0.33	-1.05e-03	0.0	52.5	6.97	-11.60	0.56	-0.09	0.63	-2.50
23	124	-3.06	-0.25	-1.00e-04	-0.23	0.0	-8.91	7.94	-0.62	0.10	-0.25	-6.75
		-6.75	-0.57	1.13e-03	0.0	52.5	-8.91	7.71	-0.62	0.10	-0.57	-3.06
23	125	3.03	0.58	-2.10e-05	-0.23	0.0	8.35	-11.14	0.63	-0.10	0.26	3.03
		-2.46	0.26	-1.13e-03	0.0	52.5	8.35	-11.37	0.63	-0.10	0.58	-2.46
23	143	-1.24	-1.31e-04	-4.04e-05	-0.23	0.0	-0.13	-1.04	9.28e-04	5.47e-04	-5.85e-04	-1.24
		-1.85	-5.85e-04	0.0	0.0	52.5	-0.13	-1.27	9.28e-04	5.47e-04	-1.31e-04	-1.85
23	145	-2.27	5.52e-03	-7.41e-05	-0.23	0.0	-0.38	-1.97	7.13e-03	1.10e-03	1.99e-03	-2.27
		-3.37	1.99e-03	-3.59e-06	0.0	52.5	-0.38	-2.20	7.13e-03	1.10e-03	5.52e-03	-3.37
23	146	-2.37	4.27e-03	-7.75e-05	-0.23	0.0	-0.35	-2.11	5.58e-03	1.13e-03	1.51e-03	-2.37
		-3.54	1.51e-03	-3.07e-06	0.0	52.5	-0.35	-2.34	5.58e-03	1.13e-03	4.27e-03	-3.54
23	147	-1.44	-1.55e-03	-4.71e-05	-0.23	0.0	-0.07	-1.32	-2.16e-03	5.98e-04	1.55e-03	-1.44
		-2.20	-2.62e-03	0.0	0.0	52.5	-0.07	-1.55	-2.16e-03	5.98e-04	-2.62e-03	-2.20
23	150	-1.24	-1.31e-04	-4.04e-05	-0.23	0.0	-0.13	-1.04	9.28e-04	5.47e-04	-5.85e-04	-1.24
		-1.85	-5.85e-04	0.0	0.0	52.5	-0.13	-1.27	9.28e-04	5.47e-04	-1.31e-04	-1.85
23	151	-1.96	3.82e-03	-6.40e-05	-0.23	0.0	-0.31	-1.69	5.27e-03	9.35e-04	1.22e-03	-1.96
		-2.91	1.22e-03	-2.77e-06	0.0	52.5	-0.31	-1.92	5.27e-03	9.35e-04	3.82e-03	-2.91
23	152	-1.28	-6.28e-04	-4.18e-05	-0.23	0.0	-0.12	-1.10	3.10e-04	5.57e-04	-7.78e-04	-1.28
		-1.92	-7.78e-04	0.0	0.0	52.5	-0.12	-1.33	3.10e-04	5.57e-04	-6.28e-04	-1.92
23	155	-1.24	-1.31e-04	-4.04e-05	-0.23	0.0	-0.13	-1.04	9.28e-04	5.47e-04	-5.85e-04	-1.24
		-1.85	-5.85e-04	0.0	0.0	52.5	-0.13	-1.27	9.28e-04	5.47e-04	-1.31e-04	-1.85
23	156	-1.86	3.26e-03	-6.06e-05	-0.23	0.0	-0.28	-1.60	4.65e-03	8.80e-04	9.63e-04	-1.86
		-2.76	9.63e-04	-2.50e-06	0.0	52.5	-0.28	-1.83	4.65e-03	8.80e-04	3.26e-03	-2.76
24	3	-1.75	3.30e-03	-8.03e-05	-0.30	0.0	-0.40	-2.70	4.95e-03	1.37e-03	8.94e-04	-1.75
		-3.25	8.94e-04	-5.59e-06	0.0	52.5	-0.40	-3.00	4.95e-03	1.37e-03	3.30e-03	-3.25
24	4	-1.81	2.56e-03	-8.44e-05	-0.30	0.0	-0.36	-2.88	4.43e-03	1.40e-03	3.98e-04	-1.81
		-3.40	3.98e-04	-4.76e-06	0.0	52.5	-0.36	-3.18	4.43e-03	1.40e-03	2.56e-03	-3.40
24	5	-0.62	-6.68e-04	-2.85e-05	-0.23	0.0	-0.07	-0.90	6.51e-04	4.17e-04	-9.84e-04	-0.62
		-1.16	-9.84e-04	0.0	0.0	52.5	-0.07	-1.13	6.51e-04	4.17e-04	-6.68e-04	-1.16
24	9	-1.03	-2.14e-03	-5.03e-05	-0.30	0.0	-0.04	-1.71	7.10e-05	6.72e-04	-2.18e-03	-1.03
		-2.00	-2.18e-03	0.0	0.0	52.5	-0.04	-2.01	7.10e-05	6.72e-04	-2.14e-03	-2.00
24	12	-0.74	-1.98e-03	-3.68e-05	-0.23	0.0	3.37e-03	-1.25	-3.85e-04	4.64e-04	-1.98e-03	-0.74
		-1.46	-2.15e-03	0.0	0.0	52.5	3.37e-03	-1.48	-3.85e-04	4.64e-04	-2.15e-03	-1.46
24	16	-6.05	-0.23	-1.59e-05	-0.23	0.0	-4.45	2.87	-0.14	0.07	-0.23	-7.45
		-7.45	-0.29	8.12e-04	0.0	52.5	-4.45	2.64	-0.14	0.07	-0.29	-6.05
24	17	5.45	0.29	-7.61e-05	-0.23	0.0	4.06	-5.91	0.14	-0.07	0.23	5.45
		2.33	0.23	-8.17e-04	0.0	52.5	4.06	-6.14	0.14	-0.07	0.29	2.33
24	19	-5.88	-0.28	-3.26e-05	-0.23	0.0	-2.94	2.29	-0.10	0.07	-0.28	-7.08
		-7.08	-0.33	8.12e-04	0.0	52.5	-2.94	2.06	-0.10	0.07	-0.33	-5.88
24	22	5.08	0.33	-5.93e-05	-0.23	0.0	2.55	-5.33	0.10	-0.07	0.28	5.08
		2.16	0.28	-8.17e-04	0.0	52.5	2.55	-5.56	0.10	-0.07	0.33	2.16
24	28	-5.71	-0.15	-5.87e-06	-0.23	0.0	-5.49	2.79	-0.17	0.07	-0.15	-7.03
		-7.03	-0.22	9.06e-04	0.0	52.5	-5.49	2.56	-0.17	0.07	-0.22	-5.71
24	29	5.03	0.23	-8.60e-05	-0.23	0.0	5.10	-5.83	0.17	-0.07	0.15	5.03
		1.99	0.15	-9.11e-04	0.0	52.5	5.10	-6.06	0.17	-0.07	0.23	1.99
24	48	-5.44	-0.20	-1.95e-05	-0.23	0.0	-3.96	2.29	-0.12	0.06	-0.20	-6.53
		-6.53	-0.25	6.80e-04	0.0	52.5	-3.96	2.06	-0.12	0.06	-0.25	-5.44
24	49	4.53	0.26	-7.24e-05	-0.23	0.0	3.57	-5.33	0.13	-0.06	0.20	4.53
		1.72	0.20	-6.85e-04	0.0	52.5	3.57	-5.57	0.13	-0.06	0.26	1.72
24	51	-5.25	-0.26	-3.71e-05	-0.23	0.0	-2.38	1.69	-0.08	0.06	-0.26	-6.14
		-6.14	-0.29	6.80e-04	0.0	52.5	-2.38	1.46	-0.08	0.06	-0.29	-5.25
24	54	4.14	0.29	-5.48e-05	-0.23	0.0	1.99	-4.73	0.08	-0.06	0.26	4.14
		1.53	0.26	-6.85e-04	0.0	52.5	1.99	-4.96	0.08	-0.06	0.29	1.53
24	60	-4.99	-0.14	-1.04e-05	-0.23	0.0	-4.77	2.04	-0.14	0.06	-0.14	-5.90
		-5.90	-0.19	7.26e-04	0.0	52.5	-4.77	1.81	-0.14	0.06	-0.19	-4.99
24	61	3.90	0.19	-8.15e-05	-0.23	0.0	4.38	-5.08	0.15	-0.06	0.14	3.90
		1.27	0.14	-7.31e-04	0.0	52.5	4.38	-5.31	0.15	-0.06	0.19	1.27
24	80	-4.98	-0.18	-2.28e-05	-0.23	0.0	-3.48	1.81	-0.11	0.05	-0.18	-5.81
		-5.81	-0.22	5.90e-04	0.0	52.5	-3.48	1.58	-0.11	0.05	-0.22	-4.98
24	81	3.81	0.22	-6.91e-05	-0.23	0.0	3.09	-4.85	0.11	-0.05	0.18	3.81
		1.26	0.18	-5.95e-04	0.0	52.5	3.09	-5.08	0.11	-0.05	0.22	1.26
24	83	-4.81	-0.23	-3.86e-05	-0.23	0.0	-2.08	1.27	-0.07	0.05	-0.23	-5.47
		-5.47	-0.26	5.89e-04	0.0	52.5	-2.08	1.04	-0.07	0.05	-0.26	-4.81
24	86	3.47	0.26	-5.33e-05	-0.23	0.0	1.69	-4.31	0.07	-0.05	0.23	3.47
		1.09	0.23	-5.95e-04	0.0	52.5	1.69	-4.54	0.07	-0.05	0.26	1.09
24	92	-4.57	-0.12	-1.49e-05	-0.23	0.0	-4.19	1.58	-0.13	0.05	-0.12	-5.25

24	93	-5.25	-0.17	6.27e-04	0.0	52.5	-4.19	1.35	-0.13	0.05	-0.17	-4.57
		3.24	0.17	-7.70e-05	-0.23	0.0	3.80	-4.62	0.13	-0.05	0.12	3.24
		0.85	0.12	-6.33e-04	0.0	52.5	3.80	-4.85	0.13	-0.05	0.17	0.85
24	112	-7.07	-0.28	-8.75e-06	-0.23	0.0	-5.43	3.92	-0.17	0.08	-0.28	-9.01
		-9.01	-0.36	1.02e-03	0.0	52.5	-5.43	3.69	-0.17	0.08	-0.36	-7.07
24	113	7.01	0.36	-8.32e-05	-0.23	0.0	5.04	-6.96	0.18	-0.08	0.28	7.01
		3.35	0.28	-1.02e-03	0.0	52.5	5.04	-7.19	0.18	-0.08	0.36	3.35
24	115	-6.87	-0.34	-2.81e-05	-0.23	0.0	-3.68	3.25	-0.12	0.08	-0.34	-8.59
		-8.59	-0.40	1.02e-03	0.0	52.5	-3.68	3.01	-0.12	0.08	-0.40	-6.87
24	118	6.59	0.40	-6.38e-05	-0.23	0.0	3.30	-6.29	0.13	-0.08	0.34	6.59
		3.15	0.34	-1.02e-03	0.0	52.5	3.30	-6.52	0.13	-0.08	0.40	3.15
24	124	-6.75	-0.19	9.45e-06	-0.23	0.0	-6.80	3.92	-0.21	0.09	-0.19	-8.65
		-8.65	-0.28	1.15e-03	0.0	52.5	-6.80	3.69	-0.21	0.09	-0.28	-6.75
24	125	6.65	0.28	-9.54e-05	-0.23	0.0	6.41	-6.97	0.22	-0.08	0.19	6.65
		3.03	0.19	-1.16e-03	0.0	52.5	6.41	-7.20	0.22	-0.08	0.28	3.03
24	143	-0.66	-5.75e-04	-3.07e-05	-0.23	0.0	-0.08	-0.98	7.64e-04	4.53e-04	-9.47e-04	-0.66
		-1.24	-9.47e-04	0.0	0.0	52.5	-0.08	-1.21	7.64e-04	4.53e-04	-5.75e-04	-1.24
24	145	-1.23	2.06e-03	-5.61e-05	-0.23	0.0	-0.27	-1.88	3.32e-03	9.51e-04	4.45e-04	-1.23
		-2.27	4.45e-04	-3.76e-06	0.0	52.5	-0.27	-2.11	3.32e-03	9.51e-04	2.06e-03	-2.27
24	146	-1.27	1.57e-03	-5.89e-05	-0.23	0.0	-0.25	-2.00	2.98e-03	9.67e-04	1.14e-04	-1.27
		-2.37	1.14e-04	-3.21e-06	0.0	52.5	-0.25	-2.23	2.98e-03	9.67e-04	1.57e-03	-2.37
24	147	-0.74	-1.56e-03	-3.62e-05	-0.23	0.0	-0.03	-1.22	7.37e-05	4.84e-04	-1.61e-03	-0.74
		-1.44	-1.61e-03	0.0	0.0	52.5	-0.03	-1.45	7.37e-05	4.84e-04	-1.56e-03	-1.44
24	150	-0.66	-5.75e-04	-3.07e-05	-0.23	0.0	-0.08	-0.98	7.64e-04	4.53e-04	-9.47e-04	-0.66
		-1.24	-9.47e-04	0.0	0.0	52.5	-0.08	-1.21	7.64e-04	4.53e-04	-5.75e-04	-1.24
24	151	-1.06	1.27e-03	-4.85e-05	-0.23	0.0	-0.21	-1.61	2.56e-03	8.01e-04	2.74e-05	-1.06
		-1.96	2.74e-05	-2.87e-06	0.0	52.5	-0.21	-1.84	2.56e-03	8.01e-04	1.27e-03	-1.96
24	152	-0.68	-7.73e-04	-3.18e-05	-0.23	0.0	-0.07	-1.03	6.26e-04	4.59e-04	-1.08e-03	-0.68
		-1.28	-1.08e-03	0.0	0.0	52.5	-0.07	-1.26	6.26e-04	4.59e-04	-7.73e-04	-1.28
24	155	-0.66	-5.75e-04	-3.07e-05	-0.23	0.0	-0.08	-0.98	7.64e-04	4.53e-04	-9.47e-04	-0.66
		-1.24	-9.47e-04	0.0	0.0	52.5	-0.08	-1.21	7.64e-04	4.53e-04	-5.75e-04	-1.24
24	156	-1.00	1.01e-03	-4.60e-05	-0.23	0.0	-0.19	-1.52	2.30e-03	7.51e-04	-1.12e-04	-1.00
		-1.86	-1.12e-04	-2.58e-06	0.0	52.5	-0.19	-1.75	2.30e-03	7.51e-04	1.01e-03	-1.86
25	3	-0.56	9.81e-04	-7.17e-05	-0.30	0.0	-0.22	-2.12	6.64e-03	1.31e-03	-2.29e-03	-0.56
		-1.75	-2.29e-03	-5.70e-06	0.0	52.5	-0.22	-2.42	6.64e-03	1.31e-03	9.81e-04	-1.75
25	4	-0.55	4.79e-04	-7.59e-05	-0.30	0.0	-0.19	-2.25	6.62e-03	1.33e-03	-2.78e-03	-0.55
		-1.81	-2.78e-03	-4.82e-06	0.0	52.5	-0.19	-2.55	6.62e-03	1.33e-03	4.79e-04	-1.81
25	7	-0.47	1.18e-03	-5.95e-05	-0.23	0.0	-0.21	-1.77	5.74e-03	1.11e-03	-1.64e-03	-0.47
		-1.46	-1.64e-03	-5.26e-06	0.0	52.5	-0.21	-2.00	5.74e-03	1.11e-03	1.18e-03	-1.46
25	9	-0.26	-2.17e-03	-4.60e-05	-0.30	0.0	0.03	-1.30	2.47e-03	6.25e-04	-3.41e-03	-0.26
		-1.03	-3.41e-03	0.0	0.0	52.5	0.03	-1.60	2.47e-03	6.25e-04	-2.17e-03	-1.03
25	12	-0.18	-1.97e-03	-3.38e-05	-0.23	0.0	0.05	-0.95	1.57e-03	4.29e-04	-2.76e-03	-0.18
		-0.74	-2.76e-03	1.15e-06	0.0	52.5	0.05	-1.18	1.57e-03	4.29e-04	-1.97e-03	-0.74
25	16	-7.45	-0.15	7.25e-05	-0.23	0.0	-3.05	0.45	-0.19	0.07	-0.15	-7.59
		-7.59	-0.24	8.36e-04	0.0	52.5	-3.05	0.22	-0.19	0.07	-0.24	-7.45
25	17	6.96	0.24	-1.55e-04	-0.23	0.0	2.86	-2.83	0.20	-0.07	0.15	6.96
		5.45	0.15	-8.41e-04	0.0	52.5	2.86	-3.06	0.20	-0.07	0.24	5.45
25	19	-7.02	-0.23	5.54e-05	-0.23	0.0	-2.07	0.02	-0.13	0.07	-0.23	-7.02
		-7.08	-0.29	8.36e-04	0.0	52.5	-2.07	-0.21	-0.13	0.07	-0.29	-7.08
25	22	6.39	0.29	-1.37e-04	-0.23	0.0	1.88	-2.40	0.13	-0.07	0.22	6.39
		5.08	0.22	-8.41e-04	0.0	52.5	1.88	-2.63	0.13	-0.07	0.29	5.08
25	28	-7.03	-0.09	6.96e-05	-0.23	0.0	-3.81	0.53	-0.17	0.07	-0.09	-7.21
		-7.21	-0.16	9.18e-04	0.0	52.5	-3.81	0.30	-0.17	0.07	-0.16	-7.03
25	29	6.58	0.16	-1.52e-04	-0.23	0.0	3.61	-2.91	0.18	-0.07	0.08	6.58
		5.03	0.08	-9.23e-04	0.0	52.5	3.61	-3.14	0.18	-0.07	0.16	5.03
25	48	-6.53	-0.14	5.74e-05	-0.23	0.0	-2.71	0.29	-0.17	0.06	-0.14	-6.58
		-6.58	-0.21	7.01e-04	0.0	52.5	-2.71	0.06	-0.17	0.06	-0.21	-6.53
25	49	5.95	0.21	-1.39e-04	-0.23	0.0	2.52	-2.67	0.18	-0.06	0.13	5.95
		4.53	0.13	-7.06e-04	0.0	52.5	2.52	-2.90	0.18	-0.06	0.21	4.53
25	51	-5.98	-0.21	3.97e-05	-0.23	0.0	-1.68	-0.17	-0.10	0.06	-0.21	-5.98
		-6.14	-0.27	7.01e-04	0.0	52.5	-1.68	-0.40	-0.10	0.06	-0.27	-6.14
25	54	5.35	0.27	-1.22e-04	-0.23	0.0	1.48	-2.21	0.11	-0.06	0.21	5.35
		4.14	0.21	-7.07e-04	0.0	52.5	1.48	-2.44	0.11	-0.06	0.27	4.14
25	60	-5.90	-0.09	5.00e-05	-0.23	0.0	-3.29	0.30	-0.15	0.06	-0.09	-5.94
		-5.94	-0.15	7.34e-04	0.0	52.5	-3.29	0.07	-0.15	0.06	-0.15	-5.90
25	61	5.31	0.15	-1.32e-04	-0.23	0.0	3.10	-2.68	0.15	-0.05	0.08	5.31
		3.90	0.08	-7.39e-04	0.0	52.5	3.10	-2.91	0.15	-0.05	0.15	3.90
25	80	-5.77	-0.12	4.48e-05	-0.23	0.0	-2.38	0.11	-0.15	0.05	-0.12	-5.77
		-5.81	-0.19	6.08e-04	0.0	52.5	-2.38	-0.12	-0.15	0.05	-0.19	-5.81
25	81	5.14	0.19	-1.27e-04	-0.23	0.0	2.19	-2.49	0.16	-0.05	0.12	5.14
		3.81	0.12	-6.13e-04	0.0	52.5	2.19	-2.72	0.16	-0.05	0.19	3.81
25	83	-5.24	-0.19	2.89e-05	-0.23	0.0	-1.46	-0.30	-0.09	0.05	-0.19	-5.24
		-5.47	-0.23	6.08e-04	0.0	52.5	-1.46	-0.53	-0.09	0.05	-0.23	-5.47
25	86	4.61	0.23	-1.11e-04	-0.23	0.0	1.26	-2.08	0.09	-0.05	0.19	4.61
		3.47	0.19	-6.13e-04	0.0	52.5	1.26	-2.31	0.09	-0.05	0.23	3.47

25	92	-5.20	-0.08	3.81e-05	-0.23	0.0	-2.89	0.12	-0.13	0.05	-0.08	-5.20
		-5.25	-0.13	6.35e-04	0.0	52.5	-2.89	-0.11	-0.13	0.05	-0.13	-5.25
25	93	4.57	0.13	-1.20e-04	-0.23	0.0	2.70	-2.50	0.14	-0.05	0.07	4.57
		3.24	0.07	-6.40e-04	0.0	52.5	2.70	-2.73	0.14	-0.05	0.13	3.24
25	112	-9.01	-0.19	9.97e-05	-0.23	0.0	-3.74	0.82	-0.24	0.08	-0.19	-9.35
		-9.35	-0.30	1.05e-03	0.0	52.5	-3.74	0.59	-0.24	0.08	-0.30	-9.01
25	113	8.72	0.30	-1.82e-04	-0.23	0.0	3.55	-3.20	0.24	-0.08	0.18	8.72
		7.01	0.18	-1.05e-03	0.0	52.5	3.55	-3.43	0.24	-0.08	0.30	7.01
25	115	-8.59	-0.27	7.97e-05	-0.23	0.0	-2.60	0.32	-0.16	0.08	-0.27	-8.69
		-8.69	-0.35	1.05e-03	0.0	52.5	-2.60	0.09	-0.16	0.08	-0.35	-8.59
25	118	8.06	0.35	-1.62e-04	-0.23	0.0	2.40	-2.70	0.17	-0.08	0.27	8.06
		6.59	0.27	-1.05e-03	0.0	52.5	2.40	-2.93	0.17	-0.08	0.35	6.59
25	124	-8.65	-0.11	9.88e-05	-0.23	0.0	-4.73	0.96	-0.21	0.09	-0.11	-9.05
		-9.05	-0.20	1.17e-03	0.0	52.5	-4.73	0.73	-0.21	0.09	-0.20	-8.65
25	125	8.42	0.20	-1.81e-04	-0.23	0.0	4.54	-3.34	0.22	-0.08	0.10	8.42
		6.65	0.10	-1.17e-03	0.0	52.5	4.54	-3.57	0.22	-0.08	0.20	6.65
25	145	-0.39	5.03e-04	-5.01e-05	-0.23	0.0	-0.15	-1.48	4.55e-03	9.04e-04	-1.73e-03	-0.39
		-1.23	-1.73e-03	-3.82e-06	0.0	52.5	-0.15	-1.71	4.55e-03	9.04e-04	5.03e-04	-1.23
25	146	-0.39	1.69e-04	-5.29e-05	-0.23	0.0	-0.13	-1.56	4.53e-03	9.18e-04	-2.07e-03	-0.39
		-1.27	-2.07e-03	-3.23e-06	0.0	52.5	-0.13	-1.79	4.53e-03	9.18e-04	1.69e-04	-1.27
25	147	-0.19	-1.60e-03	-3.30e-05	-0.23	0.0	0.02	-0.93	1.76e-03	4.50e-04	-2.48e-03	-0.19
		-0.74	-2.48e-03	0.0	0.0	52.5	0.02	-1.16	1.76e-03	4.50e-04	-1.60e-03	-0.74
25	151	-0.33	7.37e-05	-4.33e-05	-0.23	0.0	-0.11	-1.26	3.72e-03	7.59e-04	-1.76e-03	-0.33
		-1.06	-1.76e-03	-2.89e-06	0.0	52.5	-0.11	-1.49	3.72e-03	7.59e-04	7.37e-05	-1.06
25	152	-0.20	-1.06e-03	-2.85e-05	-0.23	0.0	-0.01	-0.79	1.79e-03	4.26e-04	-1.95e-03	-0.20
		-0.68	-1.95e-03	0.0	0.0	52.5	-0.01	-1.02	1.79e-03	4.26e-04	-1.06e-03	-0.68
25	155	-0.20	-9.29e-04	-2.74e-05	-0.23	0.0	-0.02	-0.76	1.79e-03	4.20e-04	-1.82e-03	-0.20
		-0.66	-1.82e-03	0.0	0.0	52.5	-0.02	-0.99	1.79e-03	4.20e-04	-9.29e-04	-0.66
25	156	-0.32	-6.95e-05	-4.10e-05	-0.23	0.0	-0.10	-1.19	3.44e-03	7.10e-04	-1.77e-03	-0.32
		-1.00	-1.77e-03	-2.58e-06	0.0	52.5	-0.10	-1.42	3.44e-03	7.10e-04	-6.95e-05	-1.00
26	3	0.07	-2.15e-03	-7.83e-05	-0.30	0.0	0.03	-1.04	0.01	7.31e-04	-9.52e-03	0.07
		-0.56	-9.52e-03	-5.53e-06	0.0	52.5	0.03	-1.34	0.01	7.31e-04	-2.15e-03	-0.56
26	4	0.10	-2.65e-03	-8.33e-05	-0.30	0.0	0.06	-1.09	0.01	8.06e-04	-0.01	0.10
		-0.55	-0.01	-4.60e-06	0.0	52.5	0.06	-1.39	0.01	8.06e-04	-2.65e-03	-0.55
26	7	0.05	-1.53e-03	-6.49e-05	-0.23	0.0	9.93e-03	-0.88	0.01	5.92e-04	-7.84e-03	0.05
		-0.47	-7.84e-03	-5.15e-06	0.0	52.5	9.93e-03	-1.11	0.01	5.92e-04	-1.53e-03	-0.47
26	9	0.13	-3.36e-03	-5.10e-05	-0.30	0.0	0.15	-0.61	6.21e-03	5.85e-04	-6.50e-03	0.13
		-0.26	-6.50e-03	1.04e-06	0.0	52.5	0.15	-0.91	6.21e-03	5.85e-04	-3.36e-03	-0.26
26	11	0.14	-3.22e-03	-7.71e-05	-0.30	0.0	0.11	-0.98	0.01	7.92e-04	-9.37e-03	0.14
		-0.46	-9.37e-03	-2.26e-06	0.0	52.5	0.11	-1.28	0.01	7.92e-04	-3.22e-03	-0.46
26	16	-5.57	-0.01	1.77e-04	-0.23	0.0	-1.64	-3.69	-0.36	0.06	-0.01	-5.57
		-7.59	-0.17	8.52e-04	0.0	52.5	-1.64	-3.92	-0.36	0.06	-0.17	-7.59
26	17	6.96	0.16	-2.67e-04	-0.23	0.0	1.73	2.52	0.37	-0.06	2.21e-03	5.67
		5.67	2.21e-03	-8.57e-04	0.0	52.5	1.73	2.29	0.37	-0.06	0.16	6.96
26	28	-5.35	-0.01	1.69e-04	-0.23	0.0	-2.11	-3.40	-0.27	0.06	-0.01	-5.35
		-7.21	-0.10	2.50e-04	0.0	52.5	-2.11	-3.63	-0.27	0.06	-0.10	-7.21
26	29	6.58	0.10	-2.58e-04	-0.23	0.0	2.20	2.24	0.29	-0.06	8.90e-04	5.45
		5.45	8.90e-04	-2.55e-04	0.0	52.5	2.20	2.01	0.29	-0.06	0.10	6.58
26	43	-0.49	-0.18	-2.92e-05	-0.23	0.0	0.47	-1.72	0.16	0.03	-0.27	-0.49
		-1.36	-0.27	2.43e-03	0.0	52.5	0.47	-1.95	0.16	0.03	-0.18	-1.36
26	46	0.72	0.26	-6.02e-05	-0.23	0.0	-0.38	0.55	-0.14	-0.03	0.26	0.59
		0.59	0.18	-2.44e-03	0.0	52.5	-0.38	0.32	-0.14	-0.03	0.18	0.72
26	48	-4.81	-0.02	1.47e-04	-0.23	0.0	-1.44	-3.20	-0.32	0.06	-0.02	-4.81
		-6.58	-0.15	7.15e-04	0.0	52.5	-1.44	-3.43	-0.32	0.06	-0.15	-6.58
26	49	5.95	0.15	-2.37e-04	-0.23	0.0	1.53	2.04	0.34	-0.06	4.32e-03	4.91
		4.91	4.32e-03	-7.20e-04	0.0	52.5	1.53	1.81	0.34	-0.06	0.15	5.95
26	60	-4.39	-0.02	1.31e-04	-0.23	0.0	-1.80	-2.83	-0.24	0.05	-0.02	-4.39
		-5.94	-0.09	1.07e-05	0.0	52.5	-1.80	-3.06	-0.24	0.05	-0.09	-5.94
26	61	5.31	0.09	-2.20e-04	-0.23	0.0	1.89	1.67	0.25	-0.05	5.47e-03	4.49
		4.49	5.47e-03	-1.56e-05	0.0	52.5	1.89	1.44	0.25	-0.05	0.09	5.31
26	75	-0.16	-0.18	-4.25e-05	-0.23	0.0	0.60	-1.57	0.18	0.03	-0.28	-0.16
		-0.93	-0.28	2.54e-03	0.0	52.5	0.60	-1.80	0.18	0.03	-0.18	-0.93
26	78	0.30	0.27	-4.70e-05	-0.23	0.0	-0.51	0.40	-0.16	-0.03	0.27	0.26
		0.26	0.18	-2.55e-03	0.0	52.5	-0.51	0.17	-0.16	-0.03	0.18	0.30
26	80	-4.19	-0.01	1.22e-04	-0.23	0.0	-1.25	-2.86	-0.28	0.05	-0.01	-4.19
		-5.77	-0.13	6.20e-04	0.0	52.5	-1.25	-3.09	-0.28	0.05	-0.13	-5.77
26	81	5.14	0.13	-2.12e-04	-0.23	0.0	1.34	1.69	0.30	-0.05	3.59e-03	4.29
		4.29	3.59e-03	-6.25e-04	0.0	52.5	1.34	1.46	0.30	-0.05	0.13	5.14
26	92	-3.81	-0.02	1.07e-04	-0.23	0.0	-1.57	-2.53	-0.21	0.04	-0.02	-3.81
		-5.20	-0.08	-1.18e-05	0.0	52.5	-1.57	-2.76	-0.21	0.04	-0.08	-5.20
26	93	4.57	0.08	-1.97e-04	-0.23	0.0	1.66	1.36	0.22	-0.04	4.88e-03	3.91
		3.91	4.88e-03	6.96e-06	0.0	52.5	1.66	1.13	0.22	-0.04	0.08	4.57
26	107	-0.10	-0.16	-4.40e-05	-0.23	0.0	0.55	-1.44	0.16	0.02	-0.25	-0.10
		-0.83	-0.25	2.26e-03	0.0	52.5	0.55	-1.67	0.16	0.02	-0.16	-0.83
26	110	0.22	0.24	-4.55e-05	-0.23	0.0	-0.46	0.28	-0.14	-0.02	0.24	0.21

		0.19	0.16	-2.27e-03	0.0	52.5	-0.46	0.05	-0.14	-0.02	0.16	0.19
26	112	-6.92	-0.01	2.31e-04	-0.23	0.0	-2.03	-4.46	-0.44	0.08	-0.01	-6.92
		-9.35	-0.20	1.07e-03	0.0	52.5	-2.03	-4.69	-0.44	0.08	-0.20	-9.35
26	113	8.72	0.20	-3.20e-04	-0.23	0.0	2.12	3.29	0.46	-0.08	3.31e-03	7.02
		7.02	3.31e-03	-1.07e-03	0.0	52.5	2.12	3.06	0.46	-0.08	0.20	8.72
26	124	-6.78	-0.01	2.26e-04	-0.23	0.0	-2.65	-4.18	-0.34	0.08	-0.01	-6.78
		-9.05	-0.12	4.06e-04	0.0	52.5	-2.65	-4.41	-0.34	0.08	-0.12	-9.05
26	125	8.42	0.12	-3.15e-04	-0.23	0.0	2.74	3.02	0.36	-0.08	1.08e-03	6.89
		6.89	1.08e-03	-4.11e-04	0.0	52.5	2.74	2.79	0.36	-0.08	0.12	8.42
26	139	-0.74	-0.21	-2.02e-05	-0.23	0.0	0.48	-1.99	0.17	0.04	-0.31	-0.74
		-1.74	-0.31	2.82e-03	0.0	52.5	0.48	-2.22	0.17	0.04	-0.21	-1.74
26	142	1.11	0.30	-6.93e-05	-0.23	0.0	-0.39	0.83	-0.16	-0.03	0.30	0.84
		0.84	0.21	-2.83e-03	0.0	52.5	-0.39	0.60	-0.16	-0.03	0.21	1.11
26	145	0.05	-1.64e-03	-5.47e-05	-0.23	0.0	0.03	-0.73	0.01	5.15e-04	-6.72e-03	0.05
		-0.39	-6.72e-03	-3.69e-06	0.0	52.5	0.03	-0.96	0.01	5.15e-04	-1.64e-03	-0.39
26	146	0.07	-1.98e-03	-5.80e-05	-0.23	0.0	0.05	-0.76	0.01	5.65e-04	-7.08e-03	0.07
		-0.39	-7.08e-03	-3.07e-06	0.0	52.5	0.05	-0.99	0.01	5.65e-04	-1.98e-03	-0.39
26	147	0.09	-2.45e-03	-3.65e-05	-0.23	0.0	0.11	-0.43	4.46e-03	4.18e-04	-4.70e-03	0.09
		-0.19	-4.70e-03	0.0	0.0	52.5	0.11	-0.66	4.46e-03	4.18e-04	-2.45e-03	-0.19
26	149	0.09	-2.35e-03	-5.39e-05	-0.23	0.0	0.08	-0.68	8.51e-03	5.56e-04	-6.62e-03	0.09
		-0.33	-6.62e-03	-1.51e-06	0.0	52.5	0.08	-0.91	8.51e-03	5.56e-04	-2.35e-03	-0.33
26	151	0.05	-1.68e-03	-4.72e-05	-0.23	0.0	0.04	-0.62	8.43e-03	4.56e-04	-5.90e-03	0.05
		-0.33	-5.90e-03	-2.75e-06	0.0	52.5	0.04	-0.85	8.43e-03	4.56e-04	-1.68e-03	-0.33
26	152	0.06	-1.92e-03	-3.11e-05	-0.23	0.0	0.08	-0.38	4.39e-03	3.38e-04	-4.13e-03	0.06
		-0.20	-4.13e-03	0.0	0.0	52.5	0.08	-0.61	4.39e-03	3.38e-04	-1.92e-03	-0.20
26	154	0.06	-1.83e-03	-4.61e-05	-0.23	0.0	0.05	-0.60	7.87e-03	4.57e-04	-5.77e-03	0.06
		-0.31	-5.77e-03	-2.18e-06	0.0	52.5	0.05	-0.83	7.87e-03	4.57e-04	-1.83e-03	-0.31
26	155	0.05	-1.78e-03	-2.98e-05	-0.23	0.0	0.07	-0.37	4.38e-03	3.18e-04	-3.98e-03	0.05
		-0.20	-3.98e-03	0.0	0.0	52.5	0.07	-0.60	4.38e-03	3.18e-04	-1.78e-03	-0.20
26	156	0.05	-1.70e-03	-4.47e-05	-0.23	0.0	0.04	-0.58	7.85e-03	4.37e-04	-5.62e-03	0.05
		-0.32	-5.62e-03	-2.43e-06	0.0	52.5	0.04	-0.81	7.85e-03	4.37e-04	-1.70e-03	-0.32
27	3	0.10	-9.52e-03	-9.05e-05	-0.30	0.0	-0.38	0.11	0.02	7.40e-05	-0.02	0.09
		0.07	-0.02	-4.62e-06	0.0	52.5	-0.38	-0.19	0.02	7.40e-05	-9.52e-03	0.07
27	4	0.12	-0.01	-9.69e-05	-0.30	0.0	-0.33	0.17	0.02	7.27e-05	-0.02	0.09
		0.09	-0.02	-3.63e-06	0.0	52.5	-0.33	-0.13	0.02	7.27e-05	-0.01	0.10
27	5	0.05	-3.77e-03	-3.28e-05	-0.23	0.0	-0.02	0.14	6.83e-03	2.38e-05	-7.06e-03	0.03
		0.03	-7.06e-03	0.0	0.0	52.5	-0.02	-0.09	6.83e-03	2.38e-05	-3.77e-03	0.03
27	11	0.14	-9.41e-03	-9.07e-05	-0.30	0.0	-0.19	0.25	0.02	5.95e-05	-0.02	0.08
		0.08	-0.02	-1.35e-06	0.0	52.5	-0.19	-0.05	0.02	5.95e-05	-9.41e-03	0.08
27	12	0.11	-4.87e-03	-4.56e-05	-0.23	0.0	0.07	0.26	7.72e-03	2.11e-05	-8.55e-03	0.04
		0.04	-8.55e-03	1.89e-06	0.0	52.5	0.07	0.03	7.72e-03	2.11e-05	-4.87e-03	0.04
27	20	0.10	0.27	2.91e-04	-0.23	0.0	-0.53	-10.33	-0.49	0.02	0.27	0.10
		-5.59	-0.03	8.61e-04	0.0	52.5	-0.53	-10.56	-0.49	0.02	-0.03	-5.59
27	21	5.69	0.02	-3.95e-04	-0.23	0.0	0.21	10.55	0.51	-0.02	-0.29	2.62e-03
		2.62e-03	-0.29	-8.65e-04	0.0	52.5	0.21	10.32	0.51	-0.02	0.02	5.69
27	23	-0.10	-5.60e-03	2.38e-04	-0.23	0.0	-0.78	-8.97	-0.10	0.02	-5.60e-03	-0.10
		-4.77	-0.14	1.88e-04	0.0	52.5	-0.78	-9.20	-0.10	0.02	-0.14	-4.77
27	26	4.87	0.13	-3.42e-04	-0.23	0.0	0.46	9.20	0.12	-0.02	-0.02	0.21
		0.21	-0.02	-1.92e-04	0.0	52.5	0.46	8.97	0.12	-0.02	0.13	4.87
27	32	-0.23	0.47	1.08e-04	-0.23	0.0	-0.06	-4.16	-0.58	0.01	0.47	-0.23
		-2.49	0.16	2.63e-03	0.0	52.5	-0.06	-4.39	-0.58	0.01	0.16	-2.49
27	33	2.59	-0.17	-2.12e-04	-0.23	0.0	-0.26	4.38	0.61	-0.01	-0.49	0.34
		0.34	-0.49	-2.63e-03	0.0	52.5	-0.26	4.15	0.61	-0.01	-0.17	2.59
27	52	0.11	0.25	2.44e-04	-0.23	0.0	-0.47	-8.86	-0.45	0.02	0.25	0.11
		-4.82	-0.03	7.24e-04	0.0	52.5	-0.47	-9.09	-0.45	0.02	-0.03	-4.82
27	53	4.92	0.02	-3.49e-04	-0.23	0.0	0.15	9.09	0.47	-0.02	-0.28	-7.25e-03
		-7.25e-03	-0.28	-7.28e-04	0.0	52.5	0.15	8.86	0.47	-0.02	0.02	4.92
27	55	-0.11	-0.03	1.77e-04	-0.23	0.0	-0.69	-7.13	-0.05	0.02	-0.03	-0.11
		-3.78	-0.16	-5.72e-05	0.0	52.5	-0.69	-7.36	-0.05	0.02	-0.16	-3.78
27	58	3.88	0.14	-2.82e-04	-0.23	0.0	0.36	7.35	0.08	-0.01	8.45e-03	0.21
		0.21	8.45e-03	5.35e-05	0.0	52.5	0.36	7.12	0.08	-0.01	0.14	3.88
27	64	-0.25	0.48	9.67e-05	-0.23	0.0	-0.04	-3.78	-0.59	0.01	0.48	-0.25
		-2.31	0.16	2.77e-03	0.0	52.5	-0.04	-4.01	-0.59	0.01	0.16	-2.31
27	65	2.41	-0.18	-2.01e-04	-0.23	0.0	-0.29	4.01	0.61	-0.01	-0.50	0.35
		0.35	-0.50	-2.77e-03	0.0	52.5	-0.29	3.78	0.61	-0.01	-0.18	2.41
27	84	0.11	0.22	2.06e-04	-0.23	0.0	-0.43	-7.70	-0.39	0.02	0.22	0.11
		-4.20	-0.03	6.28e-04	0.0	52.5	-0.43	-7.93	-0.39	0.02	-0.03	-4.20
27	85	4.30	0.02	-3.10e-04	-0.23	0.0	0.11	7.93	0.42	-0.02	-0.24	-2.05e-03
		-2.05e-03	-0.24	-6.32e-04	0.0	52.5	0.11	7.70	0.42	-0.02	0.02	4.30
27	87	-0.09	-0.03	1.46e-04	-0.23	0.0	-0.62	-6.15	-0.04	0.01	-0.03	-0.09
		-3.26	-0.14	-7.25e-05	0.0	52.5	-0.62	-6.38	-0.04	0.01	-0.14	-3.26
27	90	3.36	0.13	-2.51e-04	-0.23	0.0	0.30	6.37	0.06	-0.01	8.66e-03	0.20
		0.20	8.66e-03	6.87e-05	0.0	52.5	0.30	6.14	0.06	-0.01	0.13	3.36
27	96	-0.22	0.43	7.90e-05	-0.23	0.0	-0.05	-3.31	-0.52	9.84e-03	0.43	-0.22
		-2.03	0.15	2.47e-03	0.0	52.5	-0.05	-3.54	-0.52	9.84e-03	0.15	-2.03

27	97	2.13	-0.16	-1.83e-04	-0.23	0.0	-0.28	3.53	0.55	-9.75e-03	-0.45	0.32
		0.32	-0.45	-2.47e-03	0.0	52.5	-0.28	3.30	0.55	-9.75e-03	-0.16	2.13
27	116	0.11	0.33	3.73e-04	-0.23	0.0	-0.63	-12.85	-0.60	0.03	0.33	0.11
		-6.94	-0.03	1.08e-03	0.0	52.5	-0.63	-13.08	-0.60	0.03	-0.03	-6.94
27	117	7.04	0.02	-4.77e-04	-0.23	0.0	0.30	13.07	0.62	-0.03	-0.35	-3.76e-03
		-3.76e-03	-0.35	-1.08e-03	0.0	52.5	0.30	12.84	0.62	-0.03	0.02	7.04
27	119	-0.13	8.37e-03	3.19e-04	-0.23	0.0	-0.94	-11.48	-0.14	0.02	8.37e-03	-0.13
		-6.11	-0.16	3.37e-04	0.0	52.5	-0.94	-11.71	-0.14	0.02	-0.16	-6.11
27	122	6.21	0.15	-4.23e-04	-0.23	0.0	0.61	11.71	0.16	-0.02	-0.03	0.24
		0.24	-0.03	-3.40e-04	0.0	52.5	0.61	11.48	0.16	-0.02	0.15	6.21
27	128	-0.28	0.55	1.42e-04	-0.23	0.0	-0.06	-5.10	-0.69	0.01	0.55	-0.28
		-3.04	0.18	3.03e-03	0.0	52.5	-0.06	-5.33	-0.69	0.01	0.18	-3.04
27	129	3.14	-0.19	-2.46e-04	-0.23	0.0	-0.26	5.32	0.72	-0.01	-0.57	0.38
		0.38	-0.57	-3.04e-03	0.0	52.5	-0.26	5.09	0.72	-0.01	-0.19	3.14
27	143	0.06	-4.01e-03	-3.54e-05	-0.23	0.0	-0.03	0.15	7.49e-03	2.54e-05	-7.62e-03	0.03
		0.03	-7.62e-03	0.0	0.0	52.5	-0.03	-0.08	7.49e-03	2.54e-05	-4.01e-03	0.05
27	145	0.07	-6.72e-03	-6.34e-05	-0.23	0.0	-0.25	0.09	0.02	5.17e-05	-0.01	0.06
		0.05	-0.01	-3.04e-06	0.0	52.5	-0.25	-0.14	0.02	5.17e-05	-6.72e-03	0.05
27	146	0.08	-7.09e-03	-6.76e-05	-0.23	0.0	-0.22	0.13	0.02	5.08e-05	-0.02	0.07
		0.07	-0.02	-2.39e-06	0.0	52.5	-0.22	-0.10	0.02	5.08e-05	-7.09e-03	0.07
27	147	0.09	-4.74e-03	-4.39e-05	-0.23	0.0	0.03	0.22	8.08e-03	2.36e-05	-8.62e-03	0.04
		0.04	-8.62e-03	1.15e-06	0.0	52.5	0.03	-7.74e-03	8.08e-03	2.36e-05	-4.74e-03	0.09
27	149	0.10	-6.64e-03	-6.35e-05	-0.23	0.0	-0.12	0.18	0.01	4.20e-05	-0.01	0.06
		0.06	-0.01	0.0	0.0	52.5	-0.12	-0.05	0.01	4.20e-05	-6.64e-03	0.09
27	150	0.06	-4.01e-03	-3.54e-05	-0.23	0.0	-0.03	0.15	7.49e-03	2.54e-05	-7.62e-03	0.03
		0.03	-7.62e-03	0.0	0.0	52.5	-0.03	-0.08	7.49e-03	2.54e-05	-4.01e-03	0.05
27	151	0.07	-5.91e-03	-5.50e-05	-0.23	0.0	-0.18	0.11	0.01	4.38e-05	-0.01	0.05
		0.05	-0.01	-2.18e-06	0.0	52.5	-0.18	-0.12	0.01	4.38e-05	-5.91e-03	0.05
27	152	0.06	-4.16e-03	-3.71e-05	-0.23	0.0	-0.02	0.16	7.61e-03	2.51e-05	-7.82e-03	0.03
		0.03	-7.82e-03	0.0	0.0	52.5	-0.02	-0.07	7.61e-03	2.51e-05	-4.16e-03	0.06
27	154	0.07	-5.78e-03	-5.39e-05	-0.23	0.0	-0.15	0.13	0.01	4.08e-05	-0.01	0.05
		0.05	-0.01	-1.63e-06	0.0	52.5	-0.15	-0.10	0.01	4.08e-05	-5.78e-03	0.06
27	155	0.06	-4.01e-03	-3.54e-05	-0.23	0.0	-0.03	0.15	7.49e-03	2.54e-05	-7.62e-03	0.03
		0.03	-7.62e-03	0.0	0.0	52.5	-0.03	-0.08	7.49e-03	2.54e-05	-4.01e-03	0.05
27	156	0.07	-5.64e-03	-5.22e-05	-0.23	0.0	-0.16	0.11	0.01	4.12e-05	-0.01	0.05
		0.05	-0.01	-1.89e-06	0.0	52.5	-0.16	-0.12	0.01	4.12e-05	-5.64e-03	0.05
28	1	0.0	0.0	6.46e-05	-5.44	0.0	1.06	8.09	2.63e-05	0.0	-1.53e-05	-3.12
		-3.12	-1.53e-05	0.0	0.0	58.1	1.06	2.65	2.63e-05	0.0	0.0	0.0
28	4	0.0	0.0	1.25e-04	-13.29	0.0	2.12	17.08	5.24e-05	0.0	-3.05e-05	-6.07
		-6.07	-3.05e-05	0.0	0.0	58.1	2.12	3.79	5.24e-05	0.0	0.0	0.0
28	5	0.0	0.0	4.42e-05	-3.57	0.0	0.72	5.45	1.79e-05	0.0	-1.04e-05	-2.13
		-2.13	-1.04e-05	0.0	0.0	58.1	0.72	1.88	1.79e-05	0.0	0.0	0.0
28	12	0.0	0.0	5.76e-05	-3.57	0.0	0.93	6.58	2.34e-05	0.0	-1.36e-05	-2.79
		-2.79	-1.36e-05	0.0	0.0	58.1	0.93	3.01	2.34e-05	0.0	0.0	0.0
28	23	0.0	0.0	8.89e-05	-7.06	0.0	-6.05	11.74	0.03	0.0	-0.01	-4.77
		-4.77	-0.01	3.32e-04	0.0	58.1	-6.05	4.68	0.03	0.0	0.0	0.0
28	24	0.0	0.0	8.00e-05	-7.06	0.0	-4.74	10.46	0.03	0.0	-0.02	-4.03
		-4.03	-0.02	3.55e-04	0.0	58.1	-4.74	3.41	0.03	0.0	0.0	0.0
28	25	0.0	0.02	5.77e-05	-7.06	0.0	7.06	8.05	-0.03	0.0	0.02	-2.63
		-2.63	0.0	-3.55e-04	0.0	58.1	7.06	0.99	-0.03	0.0	0.0	0.0
28	26	2.35e-03	0.01	4.88e-05	-7.06	0.0	8.36	6.77	-0.03	0.0	0.01	-1.88
		-1.88	0.0	-3.32e-04	0.0	58.1	8.36	-0.29	-0.03	0.0	0.0	0.0
28	35	0.0	0.0	8.84e-05	-7.06	0.0	-2.99	11.93	6.58e-04	0.0	-3.82e-04	-4.89
		-4.89	-3.82e-04	6.36e-05	0.0	58.1	-2.99	4.88	6.58e-04	0.0	0.0	0.0
28	38	9.47e-03	3.49e-04	4.93e-05	-7.06	0.0	5.30	6.57	-6.01e-04	0.0	3.49e-04	-1.77
		-1.77	0.0	-6.36e-05	0.0	58.1	5.30	-0.48	-6.01e-04	0.0	0.0	0.0
28	55	0.0	0.0	8.80e-05	-7.06	0.0	-4.89	11.66	0.03	0.0	-0.01	-4.73
		-4.73	-0.01	2.65e-04	0.0	58.1	-4.89	4.60	0.03	0.0	0.0	0.0
28	56	0.0	0.0	7.87e-05	-7.06	0.0	-3.52	10.33	0.03	0.0	-0.02	-3.95
		-3.95	-0.02	2.92e-04	0.0	58.1	-3.52	3.27	0.03	0.0	0.0	0.0
28	57	0.0	0.02	5.90e-05	-7.06	0.0	5.83	8.18	-0.03	0.0	0.02	-2.70
		-2.70	0.0	-2.91e-04	0.0	58.1	5.83	1.12	-0.03	0.0	0.0	0.0
28	58	0.0	0.01	4.97e-05	-7.06	0.0	7.20	6.85	-0.03	0.0	0.01	-1.93
		-1.93	0.0	-2.65e-04	0.0	58.1	7.20	-0.20	-0.03	0.0	0.0	0.0
28	67	0.0	1.06e-04	8.87e-05	-7.06	0.0	-2.74	11.99	-1.82e-04	0.0	1.06e-04	-4.92
		-4.92	0.0	3.92e-05	0.0	58.1	-2.74	4.93	-1.82e-04	0.0	0.0	0.0
28	70	0.01	0.0	4.90e-05	-7.06	0.0	5.05	6.52	2.39e-04	0.0	-1.39e-04	-1.74
		-1.74	-1.39e-04	-3.92e-05	0.0	58.1	5.05	-0.53	2.39e-04	0.0	0.0	0.0
28	87	0.0	0.0	8.59e-05	-7.06	0.0	-4.11	11.39	0.02	0.0	-0.01	-4.57
		-4.57	-0.01	2.29e-04	0.0	58.1	-4.11	4.33	0.02	0.0	0.0	0.0
28	88	0.0	0.0	7.75e-05	-7.06	0.0	-2.88	10.20	0.03	0.0	-0.02	-3.88
		-3.88	-0.02	2.53e-04	0.0	58.1	-2.88	3.15	0.03	0.0	0.0	0.0
28	89	0.0	0.02	6.02e-05	-7.06	0.0	5.20	8.31	-0.03	0.0	0.02	-2.78
		-2.78	0.0	-2.53e-04	0.0	58.1	5.20	1.25	-0.03	0.0	0.0	0.0
28	90	0.0	0.01	5.18e-05	-7.06	0.0	6.42	7.12	-0.02	0.0	0.01	-2.09

		-2.09	0.0	-2.29e-04	0.0	58.1	6.42	0.06	-0.02	0.0	0.0	0.0
28	99	0.0	1.30e-04	8.66e-05	-7.06	0.0	-2.28	11.69	-2.23e-04	0.0	1.30e-04	-4.75
		-4.75	0.0	3.30e-05	0.0	58.1	-2.28	4.64	-2.23e-04	0.0	0.0	0.0
28	102	7.18e-04	0.0	5.11e-05	-7.06	0.0	4.59	6.82	2.80e-04	0.0	-1.63e-04	-1.91
		-1.91	-1.63e-04	-3.30e-05	0.0	58.1	4.59	-0.24	2.80e-04	0.0	0.0	0.0
28	119	0.0	0.0	9.31e-05	-7.06	0.0	-7.91	12.25	0.03	0.0	-0.02	-5.07
		-5.07	-0.02	4.23e-04	0.0	58.1	-7.91	5.20	0.03	0.0	0.0	0.0
28	120	0.0	0.0	8.27e-05	-7.06	0.0	-6.39	10.77	0.04	0.0	-0.02	-4.21
		-4.21	-0.02	4.49e-04	0.0	58.1	-6.39	3.71	0.04	0.0	0.0	0.0
28	121	0.0	0.02	5.50e-05	-7.06	0.0	8.70	7.74	-0.04	0.0	0.02	-2.45
		-2.45	0.0	-4.49e-04	0.0	58.1	8.70	0.69	-0.04	0.0	0.0	0.0
28	122	0.03	0.02	4.46e-05	-7.06	0.0	10.22	6.25	-0.03	0.0	0.02	-1.59
		-1.59	0.0	-4.23e-04	0.0	58.1	10.22	-0.80	-0.03	0.0	0.0	0.0
28	131	0.0	0.0	9.19e-05	-7.06	0.0	-3.86	12.41	1.22e-03	0.0	-7.09e-04	-5.16
		-5.16	-7.09e-04	8.77e-05	0.0	58.1	-3.86	5.35	1.22e-03	0.0	0.0	0.0
28	134	0.04	6.76e-04	4.58e-05	-7.06	0.0	6.17	6.10	-1.16e-03	0.0	6.76e-04	-1.50
		-1.50	0.0	-8.76e-05	0.0	58.1	6.17	-0.96	-1.16e-03	0.0	0.0	0.0
28	143	0.0	0.0	4.73e-05	-3.92	0.0	0.77	5.88	1.92e-05	0.0	-1.12e-05	-2.28
		-2.28	-1.12e-05	0.0	0.0	58.1	0.77	1.97	1.92e-05	0.0	0.0	0.0
28	146	0.0	0.0	8.77e-05	-9.15	0.0	1.48	11.88	3.66e-05	0.0	-2.13e-05	-4.25
		-4.25	-2.13e-05	0.0	0.0	58.1	1.48	2.73	3.66e-05	0.0	0.0	0.0
28	147	0.0	0.0	5.63e-05	-3.92	0.0	0.92	6.64	2.29e-05	0.0	-1.33e-05	-2.72
		-2.72	-1.33e-05	0.0	0.0	58.1	0.92	2.72	2.29e-05	0.0	0.0	0.0
28	150	0.0	0.0	4.73e-05	-3.92	0.0	0.77	5.88	1.92e-05	0.0	-1.12e-05	-2.28
		-2.28	-1.12e-05	0.0	0.0	58.1	0.77	1.97	1.92e-05	0.0	0.0	0.0
28	151	0.0	0.0	7.24e-05	-7.58	0.0	1.22	9.82	3.01e-05	0.0	-1.75e-05	-3.50
		-3.50	-1.75e-05	0.0	0.0	58.1	1.22	2.24	3.01e-05	0.0	0.0	0.0
28	152	0.0	0.0	4.91e-05	-3.92	0.0	0.80	6.03	1.99e-05	0.0	-1.16e-05	-2.37
		-2.37	-1.16e-05	0.0	0.0	58.1	0.80	2.12	1.99e-05	0.0	0.0	0.0
28	155	0.0	0.0	4.73e-05	-3.92	0.0	0.77	5.88	1.92e-05	0.0	-1.12e-05	-2.28
		-2.28	-1.12e-05	0.0	0.0	58.1	0.77	1.97	1.92e-05	0.0	0.0	0.0
28	156	0.0	0.0	6.88e-05	-7.06	0.0	1.16	9.25	2.85e-05	0.0	-1.66e-05	-3.33
		-3.33	-1.66e-05	0.0	0.0	58.1	1.16	2.20	2.85e-05	0.0	0.0	0.0
29	4	-5.94	-3.05e-05	2.49e-04	-13.29	0.0	2.00	10.85	9.40e-04	0.0	-5.77e-04	-8.51
		-8.51	-5.77e-04	0.0	0.0	58.1	2.00	-2.44	9.40e-04	0.0	-3.05e-05	-6.07
29	5	-2.12	-1.04e-05	8.76e-05	-3.57	0.0	0.68	3.30	3.16e-04	0.0	-1.94e-04	-3.01
		-3.01	-1.94e-04	0.0	0.0	58.1	0.68	-0.27	3.16e-04	0.0	-1.04e-05	-2.13
29	23	-4.77	-0.01	1.73e-04	-7.06	0.0	-3.29	8.30	0.01	0.0	-0.02	-7.52
		-7.52	-0.02	3.34e-04	0.0	58.1	-3.29	1.25	0.01	0.0	-0.01	-4.77
29	24	-4.03	-0.02	1.58e-04	-7.06	0.0	-1.78	6.89	0.01	0.0	-0.02	-5.96
		-5.96	-0.02	3.56e-04	0.0	58.1	-1.78	-0.17	0.01	0.0	-0.02	-4.03
29	25	-2.43	0.02	1.15e-04	-7.06	0.0	3.96	4.82	-0.01	0.0	0.02	-3.40
		-3.40	0.02	-3.56e-04	0.0	58.1	3.96	-2.24	-0.01	0.0	0.02	-2.63
29	26	-1.35	0.02	1.00e-04	-7.06	0.0	5.48	3.40	-9.22e-03	0.0	0.02	-1.84
		-1.84	0.01	-3.34e-04	0.0	58.1	5.48	-3.65	-9.22e-03	0.0	0.01	-1.88
29	35	-4.89	-3.82e-04	1.71e-04	-7.06	0.0	-2.52	8.73	1.41e-03	0.0	-1.17e-03	-7.90
		-7.90	-1.17e-03	6.68e-05	0.0	58.1	-2.52	1.68	1.41e-03	0.0	-3.82e-04	-4.89
29	38	-1.09	5.41e-04	1.02e-04	-7.06	0.0	4.70	2.97	-3.93e-04	0.0	5.41e-04	-1.46
		-1.46	3.49e-04	-6.68e-05	0.0	58.1	4.70	-4.08	-3.93e-04	0.0	3.49e-04	-1.77
29	55	-4.73	-0.01	1.73e-04	-7.06	0.0	-2.65	8.13	8.79e-03	0.0	-0.02	-7.37
		-7.37	-0.02	2.67e-04	0.0	58.1	-2.65	1.07	8.79e-03	0.0	-0.01	-4.73
29	56	-3.95	-0.02	1.57e-04	-7.06	0.0	-1.08	6.66	0.01	0.0	-0.02	-5.75
		-5.75	-0.02	2.91e-04	0.0	58.1	-1.08	-0.39	0.01	0.0	-0.02	-3.95
29	57	-2.55	0.02	1.16e-04	-7.06	0.0	3.26	5.05	-9.20e-03	0.0	0.02	-3.61
		-3.61	0.02	-2.91e-04	0.0	58.1	3.26	-2.01	-9.20e-03	0.0	0.02	-2.70
29	58	-1.45	0.02	1.00e-04	-7.06	0.0	4.83	3.58	-7.76e-03	0.0	0.02	-1.99
		-1.99	0.01	-2.67e-04	0.0	58.1	4.83	-3.48	-7.76e-03	0.0	0.01	-1.93
29	67	-4.92	1.06e-04	1.72e-04	-7.06	0.0	-2.41	8.76	8.09e-04	0.0	-3.40e-04	-7.94
		-7.94	-3.40e-04	4.25e-05	0.0	58.1	-2.41	1.70	8.09e-04	0.0	1.06e-04	-4.92
29	70	-1.06	-1.39e-04	1.01e-04	-7.06	0.0	4.60	2.95	2.13e-04	0.0	-2.87e-04	-1.42
		-1.42	-2.87e-04	-4.24e-05	0.0	58.1	4.60	-4.11	2.13e-04	0.0	-1.39e-04	-1.74
29	87	-4.57	-0.01	1.69e-04	-7.06	0.0	-2.17	7.86	7.74e-03	0.0	-0.02	-7.06
		-7.06	-0.02	2.31e-04	0.0	58.1	-2.17	0.81	7.74e-03	0.0	-0.01	-4.57
29	88	-3.87	-0.02	1.55e-04	-7.06	0.0	-0.77	6.55	9.02e-03	0.0	-0.02	-5.62
		-5.62	-0.02	2.53e-04	0.0	58.1	-0.77	-0.50	9.02e-03	0.0	-0.02	-3.87
29	89	-2.63	0.02	1.19e-04	-7.06	0.0	2.95	5.15	-8.00e-03	0.0	0.02	-3.74
		-3.74	0.02	-2.53e-04	0.0	58.1	2.95	-1.90	-8.00e-03	0.0	0.02	-2.78
29	90	-1.68	0.02	1.04e-04	-7.06	0.0	4.35	3.85	-6.72e-03	0.0	0.02	-2.30
		-2.30	0.01	-2.31e-04	0.0	58.1	4.35	-3.21	-6.72e-03	0.0	0.01	-2.09
29	99	-4.75	1.30e-04	1.68e-04	-7.06	0.0	-2.02	8.44	7.26e-04	0.0	-2.74e-04	-7.59
		-7.59	-2.74e-04	3.60e-05	0.0	58.1	-2.02	1.39	7.26e-04	0.0	1.30e-04	-4.75
29	102	-1.33	-1.63e-04	1.05e-04	-7.06	0.0	4.20	3.27	2.95e-04	0.0	-3.53e-04	-1.77
		-1.77	-3.53e-04	-3.59e-05	0.0	58.1	4.20	-3.79	2.95e-04	0.0	-1.63e-04	-1.91
29	119	-5.07	-0.02	1.80e-04	-7.06	0.0	-4.40	8.85	0.01	0.0	-0.02	-8.14
		-8.14	-0.02	4.26e-04	0.0	58.1	-4.40	1.79	0.01	0.0	-0.02	-5.07

29	120	-4.21	-0.02	1.62e-04	-7.06	0.0	-2.63	7.20	0.01	0.0	-0.03	-6.32
		-6.32	-0.03	4.50e-04	0.0	58.1	-2.63	0.14	0.01	0.0	-0.02	-4.21
29	121	-2.19	0.03	1.11e-04	-7.06	0.0	4.81	4.51	-0.01	0.0	0.03	-3.04
		-3.04	0.02	-4.50e-04	0.0	58.1	4.81	-2.55	-0.01	0.0	0.02	-2.45
29	122	-0.88	0.02	9.30e-05	-7.06	0.0	6.58	2.86	-0.01	0.0	0.02	-1.22
		-1.59	0.02	-4.26e-04	0.0	58.1	6.58	-4.19	-0.01	0.0	0.02	-1.59
29	131	-5.16	-7.09e-04	1.77e-04	-7.06	0.0	-3.23	9.25	1.88e-03	0.0	-1.76e-03	-8.47
		-8.47	-1.76e-03	9.13e-05	0.0	58.1	-3.23	2.20	1.88e-03	0.0	-7.09e-04	-5.16
29	134	-0.63	1.14e-03	9.66e-05	-7.06	0.0	5.41	2.45	-8.62e-04	0.0	1.14e-03	-0.89
		-1.50	6.76e-04	-9.13e-05	0.0	58.1	5.41	-4.60	-8.62e-04	0.0	6.76e-04	-1.50
29	143	-2.27	-1.12e-05	9.39e-05	-3.92	0.0	0.73	3.58	3.40e-04	0.0	-2.09e-04	-3.22
		-3.22	-2.09e-04	0.0	0.0	58.1	0.73	-0.34	3.40e-04	0.0	-1.12e-05	-2.27
29	146	-4.16	-2.13e-05	1.74e-04	-9.15	0.0	1.40	7.52	6.56e-04	0.0	-4.03e-04	-5.96
		-5.96	-4.03e-04	0.0	0.0	58.1	1.40	-1.63	6.56e-04	0.0	-2.13e-05	-4.16
29	150	-2.27	-1.12e-05	9.39e-05	-3.92	0.0	0.73	3.58	3.40e-04	0.0	-2.09e-04	-3.22
		-3.22	-2.09e-04	0.0	0.0	58.1	0.73	-0.34	3.40e-04	0.0	-1.12e-05	-2.27
29	151	-3.43	-1.75e-05	1.44e-04	-7.58	0.0	1.15	6.23	5.39e-04	0.0	-3.31e-04	-4.92
		-4.92	-3.31e-04	0.0	0.0	58.1	1.15	-1.35	5.39e-04	0.0	-1.75e-05	-3.43
29	155	-2.27	-1.12e-05	9.39e-05	-3.92	0.0	0.73	3.58	3.40e-04	0.0	-2.09e-04	-3.22
		-3.22	-2.09e-04	0.0	0.0	58.1	0.73	-0.34	3.40e-04	0.0	-1.12e-05	-2.27
29	156	-3.27	-1.66e-05	1.37e-04	-7.06	0.0	1.09	5.85	5.11e-04	0.0	-3.13e-04	-4.68
		-4.68	-3.13e-04	0.0	0.0	58.1	1.09	-1.20	5.11e-04	0.0	-1.66e-05	-3.27
30	4	7.09	-5.77e-04	6.70e-04	-13.29	0.0	1.15	-20.18	1.58e-03	0.0	-1.50e-03	7.09
		-8.51	-1.50e-03	0.0	0.0	58.1	1.15	-33.47	1.58e-03	0.0	-5.77e-04	-8.51
30	5	2.42	-1.94e-04	2.36e-04	-3.57	0.0	0.37	-7.56	5.49e-04	0.0	-5.13e-04	2.42
		-3.01	-5.13e-04	0.0	0.0	58.1	0.37	-11.13	5.49e-04	0.0	-1.94e-04	-3.01
30	16	6.77	-0.02	4.69e-04	-7.06	0.0	-7.19	-17.58	0.05	0.0	-0.05	6.77
		-5.51	-0.05	3.12e-04	0.0	58.1	-7.19	-24.63	0.05	0.0	-0.02	-5.51
30	17	0.94	0.05	2.66e-04	-7.06	0.0	8.43	-4.72	-0.05	0.0	0.05	0.94
		-3.86	0.02	-3.12e-04	0.0	58.1	8.43	-11.78	-0.05	0.0	0.02	-3.86
30	23	8.09	-0.02	5.89e-04	-7.06	0.0	-10.88	-23.24	0.04	0.0	-0.04	8.09
		-7.52	-0.04	3.36e-04	0.0	58.1	-10.88	-30.29	0.04	0.0	-0.02	-7.52
30	26	-0.34	0.04	1.46e-04	-7.06	0.0	12.13	0.94	-0.04	0.0	0.04	-0.34
		-1.84	0.02	-3.36e-04	0.0	58.1	12.13	-6.12	-0.04	0.0	0.02	-1.84
30	35	6.86	-1.17e-03	5.81e-04	-7.06	0.0	-6.75	-21.77	2.78e-03	0.0	-3.10e-03	6.86
		-7.90	-3.10e-03	7.06e-05	0.0	58.1	-6.75	-28.82	2.78e-03	0.0	-1.17e-03	-7.90
30	48	6.41	-0.02	4.57e-04	-7.06	0.0	-5.77	-16.75	0.05	0.0	-0.05	6.41
		-5.39	-0.05	2.68e-04	0.0	58.1	-5.77	-23.81	0.05	0.0	-0.02	-5.39
30	49	1.30	0.05	2.78e-04	-7.06	0.0	7.02	-5.55	-0.05	0.0	0.05	1.30
		-3.97	0.02	-2.68e-04	0.0	58.1	7.02	-12.60	-0.05	0.0	0.02	-3.97
30	55	7.67	-0.02	5.74e-04	-7.06	0.0	-9.02	-22.23	0.04	0.0	-0.04	7.67
		-7.37	-0.04	2.69e-04	0.0	58.1	-9.02	-29.29	0.04	0.0	-0.02	-7.37
30	58	0.03	0.04	1.61e-04	-7.06	0.0	10.27	-0.07	-0.03	0.0	0.04	0.03
		-1.99	0.02	-2.69e-04	0.0	58.1	10.27	-7.13	-0.03	0.0	0.02	-1.99
30	67	6.82	-3.40e-04	5.82e-04	-7.06	0.0	-6.34	-21.75	7.31e-04	0.0	-1.12e-03	6.82
		-7.94	-1.12e-03	4.64e-05	0.0	58.1	-6.34	-28.81	7.31e-04	0.0	-3.40e-04	-7.94
30	80	6.08	-0.02	4.46e-04	-7.06	0.0	-4.90	-16.05	0.04	0.0	-0.04	6.08
		-5.30	-0.04	2.33e-04	0.0	58.1	-4.90	-23.10	0.04	0.0	-0.02	-5.30
30	81	1.62	0.04	2.89e-04	-7.06	0.0	6.15	-6.25	-0.04	0.0	0.04	1.62
		-4.06	0.02	-2.33e-04	0.0	58.1	6.15	-13.31	-0.04	0.0	0.02	-4.06
30	87	7.21	-0.02	5.50e-04	-7.06	0.0	-7.77	-20.93	0.03	0.0	-0.03	7.21
		-7.06	-0.03	2.33e-04	0.0	58.1	-7.77	-27.98	0.03	0.0	-0.02	-7.06
30	90	0.49	0.03	1.85e-04	-7.06	0.0	9.02	-1.37	-0.03	0.0	0.03	0.49
		-2.30	0.02	-2.33e-04	0.0	58.1	9.02	-8.43	-0.03	0.0	0.02	-2.30
30	99	6.49	-2.74e-04	5.58e-04	-7.06	0.0	-5.53	-20.59	5.62e-04	0.0	-9.23e-04	6.49
		-7.59	-9.23e-04	3.95e-05	0.0	58.1	-5.53	-27.64	5.62e-04	0.0	-2.74e-04	-7.59
30	112	7.47	-0.03	4.93e-04	-7.06	0.0	-9.21	-19.14	0.06	0.0	-0.06	7.47
		-5.72	-0.06	3.87e-04	0.0	58.1	-9.21	-26.20	0.06	0.0	-0.03	-5.72
30	113	0.24	0.06	2.42e-04	-7.06	0.0	10.46	-3.16	-0.06	0.0	0.06	0.24
		-3.64	0.03	-3.87e-04	0.0	58.1	10.46	-10.21	-0.06	0.0	0.03	-3.64
30	119	9.08	-0.02	6.39e-04	-7.06	0.0	-13.84	-26.00	0.05	0.0	-0.05	9.08
		-8.14	-0.05	4.29e-04	0.0	58.1	-13.84	-33.06	0.05	0.0	-0.02	-8.14
30	122	-0.79	0.05	9.64e-05	-7.06	0.0	15.09	3.70	-0.05	0.0	0.05	-1.38
		-1.38	0.02	-4.29e-04	0.0	58.1	15.09	-3.36	-0.05	0.0	0.02	-1.38
30	131	7.44	-1.76e-03	6.20e-04	-7.06	0.0	-8.27	-23.75	4.10e-03	0.0	-4.51e-03	7.44
		-8.47	-4.51e-03	9.58e-05	0.0	58.1	-8.27	-30.80	4.10e-03	0.0	-1.76e-03	-8.47
30	143	2.60	-2.09e-04	2.53e-04	-3.92	0.0	0.40	-8.07	5.89e-04	0.0	-5.51e-04	2.60
		-3.22	-5.51e-04	0.0	0.0	58.1	0.40	-11.98	5.89e-04	0.0	-2.09e-04	-3.22
30	146	4.95	-4.03e-04	4.69e-04	-9.15	0.0	0.80	-14.19	1.11e-03	0.0	-1.05e-03	4.95
		-5.96	-1.05e-03	0.0	0.0	58.1	0.80	-23.34	1.11e-03	0.0	-4.03e-04	-5.96
30	150	2.60	-2.09e-04	2.53e-04	-3.92	0.0	0.40	-8.07	5.89e-04	0.0	-5.51e-04	2.60
		-3.22	-5.51e-04	0.0	0.0	58.1	0.40	-11.98	5.89e-04	0.0	-2.09e-04	-3.22
30	151	4.06	-3.31e-04	3.87e-04	-7.58	0.0	0.66	-11.66	9.13e-04	0.0	-8.61e-04	4.06
		-4.92	-8.61e-04	0.0	0.0	58.1	0.66	-19.24	9.13e-04	0.0	-3.31e-04	-4.92
30	155	2.60	-2.09e-04	2.53e-04	-3.92	0.0	0.40	-8.07	5.89e-04	0.0	-5.51e-04	2.60

		-3.22	-5.51e-04	0.0	0.0	58.1	0.40	-11.98	5.89e-04	0.0	-2.09e-04	-3.22
30	156	3.85	-3.13e-04	3.68e-04	-7.06	0.0	0.62	-11.15	8.66e-04	0.0	-8.17e-04	3.85
		-4.68	-8.17e-04	0.0	0.0	58.1	0.62	-18.21	8.66e-04	0.0	-3.13e-04	-4.68
31	4	20.05	1.29e-03	5.08e-04	-11.93	0.0	4.66	-18.88	-5.25e-03	2.09e-04	1.29e-03	20.05
		7.09	-1.41e-03	0.0	0.0	52.2	4.66	-30.81	-5.25e-03	2.09e-04	-1.41e-03	7.09
31	5	7.00	3.79e-04	1.81e-04	-3.20	0.0	1.64	-7.17	-1.67e-03	8.70e-05	3.79e-04	7.00
		2.42	-4.81e-04	0.0	0.0	52.2	1.64	-10.37	-1.67e-03	8.70e-05	-4.81e-04	2.42
31	16	15.76	0.02	3.17e-04	-6.34	0.0	-6.28	-14.03	-0.10	0.06	0.02	15.76
		6.77	-0.04	2.83e-04	0.0	52.2	-6.28	-20.37	-0.10	0.06	-0.04	6.77
31	17	6.19	0.04	2.42e-04	-6.34	0.0	11.40	-6.92	0.10	-0.06	-0.01	6.19
		0.94	-0.01	-2.83e-04	0.0	52.2	11.40	-13.25	0.10	-0.06	0.04	0.94
31	23	19.78	0.01	4.12e-04	-6.34	0.0	-9.81	-19.38	-0.07	0.06	0.01	19.78
		8.09	-0.03	3.06e-04	0.0	52.2	-9.81	-25.71	-0.07	0.06	-0.03	8.09
31	26	2.17	0.03	1.48e-04	-6.34	0.0	14.93	-1.57	0.07	-0.06	-9.93e-03	2.17
		-0.38	-9.93e-03	-3.06e-04	0.0	52.2	14.93	-7.91	0.07	-0.06	0.03	-0.38
31	48	15.02	0.02	3.10e-04	-6.34	0.0	-4.73	-13.30	-0.10	0.05	0.02	15.02
		6.41	-0.04	2.43e-04	0.0	52.2	-4.73	-19.64	-0.10	0.05	-0.04	6.41
31	49	6.93	0.04	2.50e-04	-6.34	0.0	9.85	-7.64	0.10	-0.05	-0.02	6.93
		1.30	-0.02	-2.43e-04	0.0	52.2	9.85	-13.98	0.10	-0.05	0.04	1.30
31	55	18.85	0.01	4.02e-04	-6.34	0.0	-7.77	-18.44	-0.08	0.05	0.01	18.85
		7.67	-0.03	2.45e-04	0.0	52.2	-7.77	-24.78	-0.08	0.05	-0.03	7.67
31	58	3.10	0.03	1.58e-04	-6.34	0.0	12.89	-2.50	0.07	-0.05	-0.01	3.10
		0.03	-0.01	-2.45e-04	0.0	52.2	12.89	-8.84	0.07	-0.05	0.03	0.03
31	80	14.49	0.01	3.06e-04	-6.34	0.0	-3.75	-12.91	-0.09	0.05	0.01	14.49
		6.08	-0.04	2.12e-04	0.0	52.2	-3.75	-19.25	-0.09	0.05	-0.04	6.08
31	81	7.46	0.04	2.54e-04	-6.34	0.0	8.87	-8.04	0.09	-0.05	-0.01	7.46
		1.62	-0.01	-2.11e-04	0.0	52.2	8.87	-14.37	0.09	-0.05	0.04	1.62
31	87	17.90	0.01	3.88e-04	-6.34	0.0	-6.43	-17.48	-0.07	0.04	0.01	17.90
		7.21	-0.03	2.12e-04	0.0	52.2	-6.43	-23.82	-0.07	0.04	-0.03	7.21
31	90	4.05	0.03	1.72e-04	-6.34	0.0	11.55	-3.47	0.06	-0.04	-9.19e-03	4.05
		0.49	-9.19e-03	-2.12e-04	0.0	52.2	11.55	-9.80	0.06	-0.04	0.03	0.49
31	112	16.96	0.02	3.28e-04	-6.34	0.0	-8.55	-15.01	-0.12	0.07	0.02	16.96
		7.47	-0.05	3.52e-04	0.0	52.2	-8.55	-21.35	-0.12	0.07	-0.05	7.47
31	113	4.98	0.05	2.32e-04	-6.34	0.0	13.67	-5.94	0.11	-0.07	-0.02	4.98
		0.24	-0.02	-3.51e-04	0.0	52.2	13.67	-12.28	0.11	-0.07	0.05	0.24
31	119	21.86	0.01	4.41e-04	-6.34	0.0	-13.02	-21.47	-0.09	0.08	0.01	21.86
		9.08	-0.04	3.91e-04	0.0	52.2	-13.02	-27.81	-0.09	0.08	-0.04	9.08
31	122	0.09	0.04	1.18e-04	-6.34	0.0	18.14	0.52	0.08	-0.08	-0.01	0.08
		-1.38	-0.01	-3.91e-04	0.0	52.2	18.14	-5.81	0.08	-0.08	0.04	-1.38
31	143	7.51	4.15e-04	1.94e-04	-3.52	0.0	1.76	-7.64	-1.81e-03	8.79e-05	4.15e-04	7.51
		2.60	-5.17e-04	0.0	0.0	52.2	1.76	-11.15	-1.81e-03	8.79e-05	-5.17e-04	2.60
31	146	14.03	8.93e-04	3.56e-04	-8.22	0.0	3.27	-13.29	-3.65e-03	1.51e-04	8.93e-04	14.03
		4.95	-9.82e-04	0.0	0.0	52.2	3.27	-21.51	-3.65e-03	1.51e-04	-9.82e-04	4.95
31	150	7.51	4.15e-04	1.94e-04	-3.52	0.0	1.76	-7.64	-1.81e-03	8.79e-05	4.15e-04	7.51
		2.60	-5.17e-04	0.0	0.0	52.2	1.76	-11.15	-1.81e-03	8.79e-05	-5.17e-04	2.60
31	151	11.55	7.23e-04	2.94e-04	-6.81	0.0	2.69	-10.95	-2.97e-03	1.55e-04	7.23e-04	11.55
		4.06	-8.08e-04	0.0	0.0	52.2	2.69	-17.75	-2.97e-03	1.55e-04	-8.08e-04	4.06
31	155	7.51	4.15e-04	1.94e-04	-3.52	0.0	1.76	-7.64	-1.81e-03	8.79e-05	4.15e-04	7.51
		2.60	-5.17e-04	0.0	0.0	52.2	1.76	-11.15	-1.81e-03	8.79e-05	-5.17e-04	2.60
31	156	10.97	6.79e-04	2.80e-04	-6.34	0.0	2.56	-10.47	-2.81e-03	1.45e-04	6.79e-04	10.97
		3.85	-7.66e-04	0.0	0.0	52.2	2.56	-16.81	-2.81e-03	1.45e-04	-7.66e-04	3.85
32	4	20.08	1.32e-03	3.08e-05	-11.93	0.0	4.90	10.77	8.74e-03	3.30e-04	-3.10e-03	17.55
		17.55	-3.10e-03	0.0	0.0	52.2	4.90	-1.16	8.74e-03	3.30e-04	1.32e-03	20.05
32	5	7.00	3.87e-04	1.45e-05	-3.20	0.0	1.70	3.19	2.62e-03	1.28e-04	-9.34e-04	6.17
		6.17	-9.34e-04	0.0	0.0	52.2	1.70	-0.01	2.62e-03	1.28e-04	3.87e-04	7.00
32	19	18.77	0.01	-7.58e-05	-6.34	0.0	-11.17	12.34	0.07	0.10	-0.03	13.98
		13.98	-0.03	2.81e-04	0.0	52.2	-11.17	6.00	0.07	0.10	0.01	18.77
32	22	5.27	0.03	1.11e-04	-6.34	0.0	16.54	-0.84	-0.06	-0.10	0.03	5.27
		3.18	-0.01	-2.81e-04	0.0	52.2	16.54	-7.18	-0.06	-0.10	-0.01	3.18
32	23	19.78	8.95e-03	-7.94e-05	-6.34	0.0	-12.70	13.01	0.07	0.10	-0.03	14.65
		14.65	-0.03	3.07e-04	0.0	52.2	-12.70	6.67	0.07	0.10	8.95e-03	19.78
32	26	4.61	0.03	1.14e-04	-6.34	0.0	18.07	-1.51	-0.06	-0.10	0.03	4.61
		2.17	-7.57e-03	-3.07e-04	0.0	52.2	18.07	-7.85	-0.06	-0.10	-7.57e-03	2.17
32	51	18.17	0.01	-6.51e-05	-6.34	0.0	-9.43	11.76	0.07	0.09	-0.03	13.69
		13.69	-0.03	2.41e-04	0.0	52.2	-9.43	5.43	0.07	0.09	0.01	18.17
32	54	5.56	0.03	9.81e-05	-6.34	0.0	14.79	-0.27	-0.06	-0.09	0.03	5.56
		3.77	-9.94e-03	-2.41e-04	0.0	52.2	14.79	-6.60	-0.06	-0.09	-9.94e-03	3.77
32	55	18.85	8.90e-03	-6.50e-05	-6.34	0.0	-10.26	12.15	0.06	0.08	-0.03	14.17
		14.17	-0.03	2.46e-04	0.0	52.2	-10.26	5.81	0.06	0.08	8.90e-03	18.85
32	58	5.09	0.02	9.75e-05	-6.34	0.0	15.62	-0.65	-0.05	-0.08	0.02	5.09
		3.10	-7.51e-03	-2.46e-04	0.0	52.2	15.62	-6.99	-0.05	-0.08	-7.51e-03	3.10
32	83	17.31	0.01	-5.67e-05	-6.34	0.0	-7.88	11.04	0.06	0.08	-0.03	13.21
		13.21	-0.03	2.09e-04	0.0	52.2	-7.88	4.70	0.06	0.08	0.01	17.31
32	86	6.05	0.02	8.80e-05	-6.34	0.0	13.25	0.46	-0.05	-0.08	0.02	6.04
		4.63	-8.77e-03	-2.09e-04	0.0	52.2	13.25	-5.88	-0.05	-0.08	-8.77e-03	4.63

32	87	17.90	8.01e-03	-5.65e-05	-6.34	0.0	-8.59	11.37	0.05	0.07	-0.02	13.63
		13.63	-0.02	2.13e-04	0.0	52.2	-8.59	5.03	0.05	0.07	8.01e-03	17.90
32	90	5.63	0.02	8.72e-05	-6.34	0.0	13.96	0.13	-0.04	-0.07	0.02	5.63
		4.05	-6.62e-03	-2.12e-04	0.0	52.2	13.96	-6.21	-0.04	-0.07	-6.62e-03	4.05
32	115	20.46	0.01	-9.64e-05	-6.34	0.0	-14.43	13.80	0.09	0.12	-0.04	14.92
		14.92	-0.04	3.49e-04	0.0	52.2	-14.43	7.47	0.09	0.12	0.01	20.46
32	118	4.33	0.03	1.33e-04	-6.34	0.0	19.80	-2.31	-0.08	-0.12	0.03	4.33
		1.48	-0.01	-3.49e-04	0.0	52.2	19.80	-8.64	-0.08	-0.12	-0.01	1.48
32	119	21.86	0.01	-1.03e-04	-6.34	0.0	-16.66	14.76	0.08	0.13	-0.03	15.82
		15.82	-0.03	3.91e-04	0.0	52.2	-16.66	8.43	0.08	0.13	0.01	21.86
32	122	3.44	0.03	1.40e-04	-6.34	0.0	22.02	-3.27	-0.07	-0.13	0.03	3.44
		0.08	-9.24e-03	-3.91e-04	0.0	52.2	22.02	-9.60	-0.07	-0.13	-9.24e-03	0.08
32	143	7.51	4.24e-04	1.51e-05	-3.52	0.0	1.82	3.47	2.86e-03	1.31e-04	-1.02e-03	6.61
		6.61	-1.02e-03	0.0	0.0	52.2	1.82	-0.04	2.86e-03	1.31e-04	4.24e-04	7.51
32	146	14.05	9.11e-04	2.21e-05	-8.22	0.0	3.43	7.45	6.05e-03	2.35e-04	-2.14e-03	12.28
		12.28	-2.14e-03	0.0	0.0	52.2	3.43	-0.76	6.05e-03	2.35e-04	9.11e-04	14.05
32	150	7.51	4.24e-04	1.51e-05	-3.52	0.0	1.82	3.47	2.86e-03	1.31e-04	-1.02e-03	6.61
		6.61	-1.02e-03	0.0	0.0	52.2	1.82	-0.04	2.86e-03	1.31e-04	4.24e-04	7.51
32	151	11.57	7.39e-04	1.92e-05	-6.81	0.0	2.83	6.13	4.93e-03	2.31e-04	-1.75e-03	10.13
		10.13	-1.75e-03	0.0	0.0	52.2	2.83	-0.68	4.93e-03	2.31e-04	7.39e-04	11.57
32	155	7.51	4.24e-04	1.51e-05	-3.52	0.0	1.82	3.47	2.86e-03	1.31e-04	-1.02e-03	6.61
		6.61	-1.02e-03	0.0	0.0	52.2	1.82	-0.04	2.86e-03	1.31e-04	4.24e-04	7.51
32	156	10.99	6.94e-04	1.86e-05	-6.34	0.0	2.68	5.75	4.64e-03	2.17e-04	-1.64e-03	9.63
		9.63	-1.64e-03	0.0	0.0	52.2	2.68	-0.59	4.64e-03	2.17e-04	6.94e-04	10.99
33	4	17.55	8.48e-03	-1.59e-04	-11.93	0.0	4.14	15.04	-0.02	6.32e-04	8.48e-03	12.87
		12.81	-3.13e-03	0.0	0.0	52.2	4.14	3.11	-0.02	6.32e-04	-3.13e-03	17.55
33	5	6.17	2.73e-03	-5.23e-05	-3.20	0.0	1.45	4.72	-7.19e-03	2.32e-04	2.73e-03	4.54
		4.54	-9.44e-04	0.0	0.0	52.2	1.45	1.52	-7.19e-03	2.32e-04	-9.44e-04	6.17
33	17	7.30	0.03	1.63e-04	-6.34	0.0	8.80	4.45	-0.04	-0.11	0.03	6.48
		6.48	0.02	-2.82e-04	0.0	52.2	8.80	-1.89	-0.04	-0.11	0.02	7.16
33	19	13.98	-0.02	-3.61e-04	-6.34	0.0	-7.24	13.35	6.96e-03	0.11	-0.02	8.69
		8.69	-0.02	2.82e-04	0.0	52.2	-7.24	7.02	6.96e-03	0.11	-0.02	13.98
33	23	14.65	-0.01	-4.44e-04	-6.34	0.0	-8.16	13.80	8.41e-03	0.11	-0.01	9.12
		9.12	-0.02	3.10e-04	0.0	52.2	-8.16	7.47	8.41e-03	0.11	-0.02	14.65
33	26	5.23	0.02	2.74e-04	-6.34	0.0	12.71	2.39	-0.03	-0.11	0.02	4.98
		4.61	0.02	-3.09e-04	0.0	52.2	12.71	-3.95	-0.03	-0.11	0.02	4.61
33	49	7.62	0.03	1.67e-04	-6.34	0.0	7.53	4.99	-0.03	-0.09	0.03	6.58
		6.58	0.02	-2.41e-04	0.0	52.2	7.53	-1.35	-0.03	-0.09	0.02	7.55
33	51	13.69	-0.02	-3.66e-04	-6.34	0.0	-6.09	12.89	4.78e-03	0.10	-0.02	8.64
		8.64	-0.02	2.41e-04	0.0	52.2	-6.09	6.56	4.78e-03	0.10	-0.02	13.69
33	55	14.17	-0.01	-4.40e-04	-6.34	0.0	-6.56	13.13	5.71e-03	0.09	-0.01	9.00
		9.00	-0.02	2.48e-04	0.0	52.2	-6.56	6.79	5.71e-03	0.09	-0.02	14.17
33	58	5.51	0.02	2.69e-04	-6.34	0.0	11.11	3.06	-0.03	-0.09	0.02	5.10
		5.09	0.02	-2.48e-04	0.0	52.2	11.11	-3.27	-0.03	-0.09	0.02	5.09
33	67	14.26	4.63e-03	-2.39e-04	-6.34	0.0	-5.43	12.38	-0.01	0.01	4.63e-03	9.47
		9.47	-0.01	5.54e-05	0.0	52.2	-5.43	6.04	-0.01	0.01	-0.01	14.26
33	70	5.25	0.01	6.78e-05	-6.34	0.0	9.98	3.81	-0.01	-0.01	4.51e-03	4.64
		4.64	4.51e-03	-5.49e-05	0.0	52.2	9.98	-2.53	-0.01	-0.01	0.01	5.00
33	81	7.85	0.02	1.40e-04	-6.34	0.0	6.81	5.39	-0.03	-0.08	0.02	6.64
		6.64	0.02	-2.09e-04	0.0	52.2	6.81	-0.95	-0.03	-0.08	0.02	7.82
33	83	13.21	-0.01	-3.36e-04	-6.34	0.0	-5.03	12.31	2.67e-03	0.08	-0.01	8.46
		8.46	-0.02	2.10e-04	0.0	52.2	-5.03	5.98	2.67e-03	0.08	-0.02	13.21
33	87	13.63	-9.77e-03	-4.01e-04	-6.34	0.0	-5.43	12.51	3.49e-03	0.08	-9.77e-03	8.78
		8.78	-0.02	2.15e-04	0.0	52.2	-5.43	6.18	3.49e-03	0.08	-0.02	13.63
33	90	5.90	0.02	2.30e-04	-6.34	0.0	9.98	3.68	-0.03	-0.08	0.02	5.33
		5.33	0.02	-2.14e-04	0.0	52.2	9.98	-2.66	-0.03	-0.08	0.02	5.33
33	99	13.75	4.71e-03	-2.22e-04	-6.34	0.0	-4.55	11.90	-0.01	0.01	4.71e-03	9.20
		9.20	-0.01	4.77e-05	0.0	52.2	-4.55	5.56	-0.01	0.01	-0.01	13.75
33	102	5.67	9.39e-03	5.12e-05	-6.34	0.0	9.10	4.29	-0.01	-0.01	4.43e-03	4.90
		4.90	4.43e-03	-4.72e-05	0.0	52.2	9.10	-2.05	-0.01	-0.01	9.39e-03	5.51
33	113	6.85	0.03	2.09e-04	-6.34	0.0	10.53	3.54	-0.04	-0.13	0.03	6.32
		6.32	0.02	-3.50e-04	0.0	52.2	10.53	-2.79	-0.04	-0.13	0.02	6.53
33	115	14.92	-0.02	-4.11e-04	-6.34	0.0	-9.45	14.52	0.01	0.13	-0.02	9.01
		9.01	-0.03	3.50e-04	0.0	52.2	-9.45	8.18	0.01	0.13	-0.03	14.92
33	119	15.82	-0.02	-5.17e-04	-6.34	0.0	-10.82	15.19	0.01	0.14	-0.02	9.57
		9.57	-0.02	3.95e-04	0.0	52.2	-10.82	8.85	0.01	0.14	-0.02	15.82
33	122	4.58	0.03	3.46e-04	-6.34	0.0	15.37	1.00	-0.04	-0.14	0.03	4.53
		3.44	0.02	-3.94e-04	0.0	52.2	15.37	-5.33	-0.04	-0.14	0.02	3.44
33	143	6.61	2.95e-03	-5.65e-05	-3.52	0.0	1.55	5.11	-7.79e-03	2.42e-04	2.95e-03	4.86
		4.86	-1.03e-03	0.0	0.0	52.2	1.55	1.60	-7.79e-03	2.42e-04	-1.03e-03	6.61
33	146	12.28	5.90e-03	-1.11e-04	-8.22	0.0	2.90	10.45	-0.02	4.47e-04	5.90e-03	8.98
		8.98	-2.17e-03	0.0	0.0	52.2	2.90	2.23	-0.02	4.47e-04	-2.17e-03	12.28
33	150	6.61	2.95e-03	-5.65e-05	-3.52	0.0	1.55	5.11	-7.79e-03	2.42e-04	2.95e-03	4.86
		4.86	-1.03e-03	0.0	0.0	52.2	1.55	1.60	-7.79e-03	2.42e-04	-1.03e-03	6.61
33	151	10.13	4.84e-03	-9.02e-05	-6.81	0.0	2.40	8.59	-0.01	4.15e-04	4.84e-03	7.42

		7.42	-1.77e-03	0.0	0.0	52.2	2.40	1.79	-0.01	4.15e-04	-1.77e-03	10.13
33	155	6.61	2.95e-03	-5.65e-05	-3.52	0.0	1.55	5.11	-7.79e-03	2.42e-04	2.95e-03	4.86
		4.86	-1.03e-03	0.0	0.0	52.2	1.55	1.60	-7.79e-03	2.42e-04	-1.03e-03	6.61
33	156	9.63	4.57e-03	-8.54e-05	-6.34	0.0	2.27	8.09	-0.01	3.90e-04	4.57e-03	7.05
		7.05	-1.66e-03	0.0	0.0	52.2	2.27	1.76	-0.01	3.90e-04	-1.66e-03	9.63
34	4	12.81	8.51e-03	-2.88e-04	-11.93	0.0	1.26	17.33	0.02	1.92e-03	-4.98e-04	6.88
		6.88	-4.98e-04	0.0	0.0	52.2	1.26	5.39	0.02	1.92e-03	8.51e-03	12.81
34	5	4.54	2.74e-03	-9.85e-05	-3.20	0.0	0.45	5.56	5.90e-03	6.52e-04	-2.00e-04	2.47
		2.47	-2.00e-04	0.0	0.0	52.2	0.45	2.35	5.90e-03	6.52e-04	2.74e-03	4.54
34	16	7.63	-0.01	-1.54e-04	-6.34	0.0	-4.19	12.21	-0.03	0.12	-0.01	2.85
		2.85	-0.02	2.82e-04	0.0	52.2	-4.19	5.87	-0.03	0.12	-0.02	7.63
34	17	6.48	0.02	-1.60e-04	-6.34	0.0	5.60	6.54	0.05	-0.12	9.56e-03	4.78
		4.78	9.56e-03	-2.82e-04	0.0	52.2	5.60	0.21	0.05	-0.12	0.02	6.48
34	23	9.12	-7.77e-03	-1.41e-04	-6.34	0.0	-6.46	13.60	-0.02	0.12	-9.89e-03	3.51
		3.51	-9.89e-03	3.11e-04	0.0	52.2	-6.46	7.26	-0.02	0.12	-7.77e-03	9.12
34	26	5.08	0.02	-1.73e-04	-6.34	0.0	7.87	5.15	0.04	-0.12	9.31e-03	4.12
		4.12	9.31e-03	-3.12e-04	0.0	52.2	7.87	-1.18	0.04	-0.12	0.02	4.98
34	32	5.47	-3.93e-03	-1.05e-04	-6.34	0.0	2.21	8.38	-0.02	0.05	-3.93e-03	2.70
		2.70	-7.29e-03	9.67e-05	0.0	52.2	2.21	2.04	-0.02	0.05	-7.29e-03	5.47
34	35	9.43	6.84e-03	-2.03e-04	-6.34	0.0	-4.42	12.49	0.01	0.02	-2.48e-03	4.54
		4.54	-2.48e-03	8.07e-05	0.0	52.2	-4.42	6.15	0.01	0.02	6.84e-03	9.43
34	48	7.53	-8.81e-03	-1.38e-04	-6.34	0.0	-3.31	11.81	-0.03	0.11	-8.81e-03	2.94
		2.94	-0.02	2.41e-04	0.0	52.2	-3.31	5.47	-0.03	0.11	-0.02	7.53
34	49	6.58	0.03	-1.76e-04	-6.34	0.0	4.71	6.94	0.05	-0.10	8.23e-03	4.69
		4.69	8.23e-03	-2.41e-04	0.0	52.2	4.71	0.60	0.05	-0.10	0.03	6.58
34	55	9.00	-8.04e-03	-1.38e-04	-6.34	0.0	-5.38	13.11	-0.02	0.10	-8.04e-03	3.58
		3.58	-9.07e-03	2.49e-04	0.0	52.2	-5.38	6.77	-0.02	0.10	-9.07e-03	9.00
34	58	5.16	0.02	-1.76e-04	-6.34	0.0	6.78	5.64	0.04	-0.09	7.46e-03	4.05
		4.05	7.46e-03	-2.50e-04	0.0	52.2	6.78	-0.70	0.04	-0.09	0.02	5.16
34	64	5.37	-3.59e-03	-9.84e-05	-6.34	0.0	2.58	8.18	-0.02	0.04	-3.59e-03	2.70
		2.70	-8.15e-03	8.64e-05	0.0	52.2	2.58	1.84	-0.02	0.04	-8.15e-03	5.37
34	67	9.47	6.88e-03	-2.04e-04	-6.34	0.0	-4.20	12.42	0.01	0.02	-1.87e-03	4.60
		4.60	-1.87e-03	6.03e-05	0.0	52.2	-4.20	6.09	0.01	0.02	6.88e-03	9.47
34	80	7.47	-7.72e-03	-1.38e-04	-6.34	0.0	-2.76	11.50	-0.03	0.09	-7.72e-03	3.05
		3.05	-0.01	2.09e-04	0.0	52.2	-2.76	5.16	-0.03	0.09	-0.01	7.47
34	81	6.64	0.02	-1.76e-04	-6.34	0.0	4.17	7.25	0.05	-0.09	7.14e-03	4.58
		4.58	7.14e-03	-2.10e-04	0.0	52.2	4.17	0.92	0.05	-0.09	0.02	6.64
34	87	8.78	-7.00e-03	-1.40e-04	-6.34	0.0	-4.60	12.65	-0.02	0.08	-7.00e-03	3.61
		3.61	-7.70e-03	2.16e-04	0.0	52.2	-4.60	6.32	-0.02	0.08	-7.70e-03	8.78
34	90	5.34	0.02	-1.74e-04	-6.34	0.0	6.01	6.10	0.04	-0.08	6.42e-03	4.02
		4.02	6.42e-03	-2.16e-04	0.0	52.2	6.01	-0.24	0.04	-0.08	0.02	5.34
34	96	5.55	-3.19e-03	-1.04e-04	-6.34	0.0	2.41	8.29	-0.01	0.04	-3.19e-03	2.82
		2.82	-6.84e-03	7.52e-05	0.0	52.2	2.41	1.95	-0.01	0.04	-6.84e-03	5.55
34	99	9.20	6.63e-03	-1.99e-04	-6.34	0.0	-3.64	12.08	0.01	0.01	-1.64e-03	4.52
		4.52	-1.64e-03	5.19e-05	0.0	52.2	-3.64	5.75	0.01	0.01	6.63e-03	9.20
34	112	7.79	-0.01	-1.61e-04	-6.34	0.0	-5.46	12.90	-0.04	0.15	-0.01	2.64
		2.64	-0.02	3.50e-04	0.0	52.2	-5.46	6.57	-0.04	0.15	-0.02	7.79
34	113	6.34	0.03	-1.53e-04	-6.34	0.0	6.86	5.85	0.06	-0.15	0.01	4.99
		4.99	0.01	-3.50e-04	0.0	52.2	6.86	-0.49	0.06	-0.15	0.03	6.34
34	119	9.57	-9.57e-03	-1.39e-04	-6.34	0.0	-8.28	14.61	-0.02	0.15	-0.01	3.43
		3.43	-0.01	3.97e-04	0.0	52.2	-8.28	8.28	-0.02	0.15	-9.57e-03	9.57
34	122	4.80	0.02	-1.75e-04	-6.34	0.0	9.69	4.13	0.04	-0.15	0.01	4.20
		4.20	0.01	-3.97e-04	0.0	52.2	9.69	-2.20	0.04	-0.15	0.02	4.80
34	128	5.23	-4.75e-03	-9.90e-05	-6.34	0.0	2.32	8.28	-0.02	0.06	-4.75e-03	2.51
		2.51	-9.16e-03	1.18e-04	0.0	52.2	2.32	1.95	-0.02	0.06	-9.16e-03	5.23
34	131	9.85	7.22e-03	-2.11e-04	-6.34	0.0	-5.45	13.10	0.01	0.03	-3.16e-03	4.65
		4.65	-3.16e-03	1.06e-04	0.0	52.2	-5.45	6.76	0.01	0.03	7.22e-03	9.85
34	143	4.86	2.97e-03	-1.06e-04	-3.52	0.0	0.48	6.01	6.36e-03	6.94e-04	-2.10e-04	2.64
		2.64	-2.10e-04	0.0	0.0	52.2	0.48	2.49	6.36e-03	6.94e-04	2.97e-03	4.86
34	146	8.98	5.92e-03	-2.01e-04	-8.22	0.0	0.89	12.05	0.01	1.35e-03	-3.53e-04	4.83
		4.83	-3.53e-04	0.0	0.0	52.2	0.89	3.84	0.01	1.35e-03	5.92e-03	8.98
34	150	4.86	2.97e-03	-1.06e-04	-3.52	0.0	0.48	6.01	6.36e-03	6.94e-04	-2.10e-04	2.64
		2.64	-2.10e-04	0.0	0.0	52.2	0.48	2.49	6.36e-03	6.94e-04	2.97e-03	4.86
34	151	7.42	4.86e-03	-1.66e-04	-6.81	0.0	9.94	0.74	0.01	1.16e-03	-3.03e-04	4.06
		4.06	-3.03e-04	0.0	0.0	52.2	9.94	3.13	0.01	1.16e-03	4.86e-03	7.42
34	155	4.86	2.97e-03	-1.06e-04	-3.52	0.0	0.48	6.01	6.36e-03	6.94e-04	-2.10e-04	2.64
		2.64	-2.10e-04	0.0	0.0	52.2	0.48	2.49	6.36e-03	6.94e-04	2.97e-03	4.86
34	156	7.05	4.59e-03	-1.57e-04	-6.34	0.0	0.70	9.37	9.78e-03	1.10e-03	-2.90e-04	3.81
		3.81	-2.90e-04	0.0	0.0	52.2	0.70	3.04	9.78e-03	1.10e-03	4.59e-03	7.05
35	4	6.88	-2.61e-04	-4.43e-04	-11.93	0.0	-2.97	26.58	0.03	2.26e-03	-0.01	-3.88
		-3.88	-0.01	0.0	0.0	52.2	-2.97	14.65	0.03	2.26e-03	-2.61e-04	6.88
35	5	2.47	-1.15e-04	-1.54e-04	-3.20	0.0	-1.04	8.88	0.01	7.19e-04	-5.28e-03	-1.32
		-1.32	-5.28e-03	0.0	0.0	52.2	-1.04	5.67	0.01	7.19e-04	-1.15e-04	2.47
35	16	2.85	6.79e-03	-2.79e-04	-6.34	0.0	-5.59	13.67	0.05	0.13	-0.02	-3.35
		-3.35	-0.02	2.80e-04	0.0	52.2	-5.59	7.33	0.05	0.13	6.79e-03	2.85

35	17	4.78	9.33e-03	-2.06e-04	-6.34	0.0	2.33	15.36	-0.02	-0.13	9.33e-03	-0.87
		-0.87	-7.10e-03	-2.80e-04	0.0	52.2	2.33	9.02	-0.02	-0.13	-7.10e-03	4.78
35	20	2.89	6.21e-03	-2.83e-04	-6.34	0.0	-5.74	13.57	0.05	0.12	-0.02	-3.35
		-3.35	-0.02	2.75e-04	0.0	52.2	-5.74	7.23	0.05	0.12	6.21e-03	2.89
35	23	3.51	6.55e-03	-2.98e-04	-6.34	0.0	-6.87	12.58	0.04	0.13	-0.02	-3.00
		-3.00	-0.02	3.12e-04	0.0	52.2	-6.87	6.24	0.04	0.13	6.55e-03	3.51
35	26	4.12	4.53e-03	-1.87e-04	-6.34	0.0	3.62	16.45	-0.01	-0.13	4.53e-03	-1.21
		-1.21	-6.86e-03	-3.13e-04	0.0	52.2	3.62	10.11	-0.01	-0.13	-6.86e-03	4.12
35	33	4.93	2.12e-03	-2.82e-04	-6.34	0.0	-2.20	13.43	-3.47e-03	-0.05	2.12e-03	-1.24
		-1.24	-3.20e-03	-9.16e-05	0.0	52.2	-2.20	7.09	-3.47e-03	-0.05	-3.20e-03	4.93
35	48	2.94	6.00e-03	-2.64e-04	-6.34	0.0	-4.98	13.60	0.05	0.12	-0.03	-3.33
		-3.33	-0.03	2.39e-04	0.0	52.2	-4.98	7.26	0.05	0.12	6.00e-03	2.94
35	49	4.69	0.01	-2.21e-04	-6.34	0.0	1.73	15.43	-0.02	-0.11	0.01	-0.88
		-0.88	-6.31e-03	-2.39e-04	0.0	52.2	1.73	9.09	-0.02	-0.11	-6.31e-03	4.69
35	55	3.58	5.37e-03	-2.76e-04	-6.34	0.0	-6.22	12.40	0.04	0.10	-0.02	-2.98
		-2.98	-0.02	2.50e-04	0.0	52.2	-6.22	6.07	0.04	0.10	5.37e-03	3.58
35	58	4.05	5.00e-03	-2.09e-04	-6.34	0.0	2.97	16.62	-0.01	-0.10	5.00e-03	-1.23
		-1.23	-5.68e-03	-2.51e-04	0.0	52.2	2.97	10.29	-0.01	-0.10	-5.68e-03	4.05
35	60	3.06	5.42e-03	-2.45e-04	-6.34	0.0	-5.15	13.26	0.04	0.10	-0.02	-3.35
		-3.35	-0.02	2.50e-04	0.0	52.2	-5.15	6.92	0.04	0.10	5.42e-03	3.06
35	65	4.93	2.78e-03	-2.88e-04	-6.34	0.0	-2.47	13.33	-3.93e-03	-0.05	2.78e-03	-1.18
		-1.18	-3.02e-03	-8.06e-05	0.0	52.2	-2.47	7.00	-3.93e-03	-0.05	-3.02e-03	4.93
35	80	3.05	5.23e-03	-2.60e-04	-6.34	0.0	-4.54	13.69	0.05	0.10	-0.02	-3.20
		-3.20	-0.02	2.07e-04	0.0	52.2	-4.54	7.35	0.05	0.10	5.23e-03	3.05
35	81	4.58	8.33e-03	-2.26e-04	-6.34	0.0	1.29	15.33	-0.02	-0.10	8.33e-03	-1.02
		-1.02	-5.54e-03	-2.08e-04	0.0	52.2	1.29	9.00	-0.02	-0.10	-5.54e-03	4.58
35	87	3.61	4.65e-03	-2.70e-04	-6.34	0.0	-5.66	12.61	0.04	0.09	-0.02	-2.88
		-2.88	-0.02	2.17e-04	0.0	52.2	-5.66	6.28	0.04	0.09	4.65e-03	3.61
35	88	3.11	5.25e-03	-2.40e-04	-6.34	0.0	-4.56	13.48	0.04	0.10	-0.02	-3.22
		-3.22	-0.02	2.22e-04	0.0	52.2	-4.56	7.14	0.04	0.10	5.25e-03	3.11
35	90	4.02	3.67e-03	-2.15e-04	-6.34	0.0	2.40	16.41	-8.63e-03	-0.09	3.67e-03	-1.33
		-1.33	-4.96e-03	-2.17e-04	0.0	52.2	2.40	10.07	-8.63e-03	-0.09	-4.96e-03	4.02
35	97	4.81	1.71e-03	-2.84e-04	-6.34	0.0	-2.41	13.45	-1.91e-03	-0.04	1.71e-03	-1.27
		-1.27	-2.69e-03	-7.01e-05	0.0	52.2	-2.41	7.11	-1.91e-03	-0.04	-2.69e-03	4.81
35	112	2.64	8.41e-03	-2.92e-04	-6.34	0.0	-6.57	13.54	0.06	0.16	-0.03	-3.59
		-3.59	-0.03	3.48e-04	0.0	52.2	-6.57	7.20	0.06	0.16	8.41e-03	2.64
35	113	4.99	0.01	-1.93e-04	-6.34	0.0	3.32	15.48	-0.03	-0.16	0.01	-0.63
		-0.63	-8.72e-03	-3.49e-04	0.0	52.2	3.32	9.15	-0.03	-0.16	-8.72e-03	4.99
35	116	2.69	7.74e-03	-2.96e-04	-6.34	0.0	-6.75	13.42	0.05	0.15	-0.02	-3.59
		-3.59	-0.02	3.43e-04	0.0	52.2	-6.75	7.08	0.05	0.15	7.74e-03	2.69
35	119	3.43	8.34e-03	-3.18e-04	-6.34	0.0	-8.15	12.29	0.05	0.16	-0.02	-3.18
		-3.18	-0.02	3.98e-04	0.0	52.2	-8.15	5.95	0.05	0.16	8.34e-03	3.43
35	122	4.20	6.63e-03	-1.68e-04	-6.34	0.0	4.90	16.74	-0.02	-0.16	6.63e-03	-1.03
		-1.03	-8.65e-03	-3.98e-04	0.0	52.2	4.90	10.40	-0.02	-0.16	-8.65e-03	4.20
35	129	5.12	3.64e-03	-2.86e-04	-6.34	0.0	-2.19	13.26	-6.67e-03	-0.06	3.64e-03	-1.09
		-1.09	-3.84e-03	-1.12e-04	0.0	52.2	-2.19	6.92	-6.67e-03	-0.06	-3.84e-03	5.12
35	143	2.64	-1.20e-04	-1.65e-04	-3.52	0.0	-1.11	9.55	0.01	7.70e-04	-5.77e-03	-1.42
		-1.42	-5.57e-03	0.0	0.0	52.2	-1.11	6.03	0.01	7.70e-04	-1.20e-04	2.64
35	146	4.83	-1.87e-04	-3.10e-04	-8.22	0.0	-2.08	18.54	0.02	1.58e-03	-9.20e-03	-2.71
		-2.71	-9.20e-03	0.0	0.0	52.2	-2.08	10.33	0.02	1.58e-03	-1.87e-04	4.83
35	150	2.64	-1.20e-04	-1.65e-04	-3.52	0.0	-1.11	9.55	0.01	7.70e-04	-5.77e-03	-1.42
		-1.42	-5.57e-03	0.0	0.0	52.2	-1.11	6.03	0.01	7.70e-04	-1.20e-04	2.64
35	151	4.01	-1.62e-04	-2.56e-04	-6.81	0.0	-1.71	15.34	0.02	1.35e-03	-7.79e-03	-2.22
		-2.22	-7.79e-03	0.0	0.0	52.2	-1.71	8.53	0.02	1.35e-03	-1.62e-04	4.01
35	155	2.64	-1.20e-04	-1.65e-04	-3.52	0.0	-1.11	9.55	0.01	7.70e-04	-5.77e-03	-1.42
		-1.42	-5.57e-03	0.0	0.0	52.2	-1.11	6.03	0.01	7.70e-04	-1.20e-04	2.64
35	156	3.81	-1.56e-04	-2.43e-04	-6.34	0.0	-1.63	14.51	0.01	1.27e-03	-7.47e-03	-2.11
		-2.11	-7.47e-03	0.0	0.0	52.2	-1.63	8.18	0.01	1.27e-03	-1.56e-04	3.81
36	4	-3.88	0.02	-3.38e-04	-13.26	0.0	-1.32	15.70	-0.05	1.21e-03	0.02	-9.14
		-9.14	-0.01	0.0	0.0	58.0	-1.32	2.44	-0.05	1.21e-03	-0.01	-3.88
36	5	-1.32	7.75e-03	-1.17e-04	-3.56	0.0	-0.40	4.97	-0.02	2.70e-04	7.75e-03	-3.17
		-3.17	-5.31e-03	0.0	0.0	58.0	-0.40	1.41	-0.02	2.70e-04	-5.31e-03	-1.32
36	15	-3.02	0.10	-3.71e-04	-7.04	0.0	-3.11	18.39	-0.22	0.12	0.10	-11.39
		-11.39	-0.03	3.08e-04	0.0	58.0	-3.11	11.35	-0.22	0.12	-0.03	-3.02
36	18	1.37	0.01	-1.07e-05	-7.04	0.0	1.72	-1.34	0.16	-0.12	-0.08	1.37
		-1.20	-0.08	-3.07e-04	0.0	58.0	1.72	-8.39	0.16	-0.12	0.01	-1.20
36	24	-3.33	0.13	-3.25e-04	-7.04	0.0	-3.90	16.84	-0.28	0.13	0.13	-10.53
		-10.53	-0.03	3.51e-04	0.0	58.0	-3.90	9.80	-0.28	0.13	-0.03	-3.33
36	25	0.56	0.02	-4.61e-05	-7.04	0.0	2.50	0.21	0.22	-0.13	-0.11	0.51
		-0.88	-0.11	-3.49e-04	0.0	58.0	2.50	-6.83	0.22	-0.13	0.02	-0.88
36	47	-2.96	0.10	-3.47e-04	-7.04	0.0	-2.91	17.11	-0.23	0.10	0.10	-10.50
		-10.50	-0.03	2.62e-04	0.0	58.0	-2.91	10.07	-0.23	0.10	-0.03	-2.96
36	50	0.49	0.01	-2.53e-05	-7.04	0.0	1.51	-0.06	0.17	-0.10	-0.08	0.48
		-1.25	-0.08	-2.61e-04	0.0	58.0	1.51	-7.10	0.17	-0.10	0.01	-1.25
36	56	-3.35	0.14	-2.87e-04	-7.04	0.0	-3.88	15.07	-0.30	0.11	0.14	-9.35

		-9.35	-0.03	2.82e-04	0.0	58.0	-3.88	8.03	-0.30	0.11	-0.03	-3.35
36	57	-0.25	0.02	-8.39e-05	-7.04	0.0	2.48	1.98	0.24	-0.11	-0.12	-0.67
		-0.86	-0.12	-2.81e-04	0.0	58.0	2.48	-5.06	0.24	-0.11	0.02	-0.86
36	79	-2.86	0.09	-3.27e-04	-7.04	0.0	-2.64	16.01	-0.21	0.09	0.09	-9.79
		-9.79	-0.03	2.28e-04	0.0	58.0	-2.64	8.97	-0.21	0.09	-0.03	-2.86
36	82	-0.12	0.01	-4.41e-05	-7.04	0.0	1.25	1.04	0.15	-0.09	-0.07	-0.23
		-1.35	-0.07	-2.27e-04	0.0	58.0	1.25	-6.00	0.15	-0.09	0.01	-1.35
36	88	-3.22	0.13	-2.72e-04	-7.04	0.0	-3.53	14.18	-0.27	0.09	0.13	-8.76
		-8.76	-0.03	2.44e-04	0.0	58.0	-3.53	7.13	-0.27	0.09	-0.03	-3.22
36	89	-0.61	0.01	-9.88e-05	-7.04	0.0	2.13	2.87	0.21	-0.09	-0.11	-1.26
		-1.26	-0.11	-2.43e-04	0.0	58.0	2.13	-4.17	0.21	-0.09	0.01	-1.00
36	119	-3.18	0.12	-4.21e-04	-7.04	0.0	-3.81	21.05	-0.27	0.16	0.12	-12.96
		-12.96	-0.03	4.44e-04	0.0	58.0	-3.81	14.01	-0.27	0.16	-0.03	-3.18
36	120	-3.56	0.15	-3.67e-04	-7.04	0.0	-4.53	19.18	-0.32	0.17	0.15	-12.08
		-12.08	-0.04	4.46e-04	0.0	58.0	-4.53	12.14	-0.32	0.17	-0.04	-3.56
36	121	2.06	0.02	-1.38e-05	-7.04	0.0	3.13	-2.13	0.26	-0.16	-0.13	2.06
		-0.65	-0.13	-4.45e-04	0.0	58.0	3.13	-9.17	0.26	-0.16	0.02	-0.65
36	122	2.94	0.02	5.03e-05	-7.04	0.0	2.42	-4.00	0.20	-0.16	-0.10	2.94
		-1.03	-0.10	-4.43e-04	0.0	58.0	2.42	-11.04	0.20	-0.16	0.02	-1.03
36	143	-1.42	8.11e-03	-1.25e-04	-3.91	0.0	-0.44	5.37	-0.02	2.98e-04	8.11e-03	-3.40
		-3.40	-5.60e-03	0.0	0.0	58.0	-0.44	1.46	-0.02	2.98e-04	-5.60e-03	-1.42
36	146	-2.71	0.01	-2.36e-04	-9.13	0.0	-0.92	10.92	-0.04	8.26e-04	0.01	-6.39
		-6.39	-9.23e-03	0.0	0.0	58.0	-0.92	1.79	-0.04	8.26e-04	-9.23e-03	-2.71
36	150	-1.42	8.11e-03	-1.25e-04	-3.91	0.0	-0.44	5.37	-0.02	2.98e-04	8.11e-03	-3.40
		-3.40	-5.60e-03	0.0	0.0	58.0	-0.44	1.46	-0.02	2.98e-04	-5.60e-03	-1.42
36	151	-2.22	0.01	-1.95e-04	-7.56	0.0	-0.74	9.05	-0.03	7.13e-04	0.01	-5.28
		-5.28	-7.81e-03	0.0	0.0	58.0	-0.74	1.49	-0.03	7.13e-04	-7.81e-03	-2.22
36	155	-1.42	8.11e-03	-1.25e-04	-3.91	0.0	-0.44	5.37	-0.02	2.98e-04	8.11e-03	-3.40
		-3.40	-5.60e-03	0.0	0.0	58.0	-0.44	1.46	-0.02	2.98e-04	-5.60e-03	-1.42
36	156	-2.11	0.01	-1.85e-04	-7.04	0.0	-0.70	8.53	-0.03	6.54e-04	0.01	-5.01
		-5.01	-7.49e-03	0.0	0.0	58.0	-0.70	1.48	-0.03	6.54e-04	-7.49e-03	-2.11
37	4	-6.27	0.02	-9.65e-05	-12.00	0.0	-0.78	0.54	0.06	2.05e-04	-0.01	-6.27
		-9.14	-0.01	-1.24e-06	0.0	52.5	-0.78	-11.46	0.06	2.05e-04	0.02	-9.14
37	5	-2.18	7.76e-03	-3.28e-05	-3.22	0.0	-0.22	-0.27	0.03	-8.33e-05	-5.54e-03	-2.18
		-3.17	-5.54e-03	0.0	0.0	52.5	-0.22	-3.50	0.03	-8.33e-05	7.76e-03	-3.17
37	15	-3.03	0.09	5.78e-05	-6.37	0.0	-2.41	-12.44	0.22	0.07	-0.02	-3.03
		-11.39	-0.02	2.83e-04	0.0	52.5	-2.41	-18.81	0.22	0.07	0.09	-11.39
37	18	1.37	6.49e-03	-1.63e-04	-6.37	0.0	1.59	12.85	-0.15	-0.07	6.49e-03	-3.86
		-3.86	-0.07	-2.84e-04	0.0	52.5	1.59	6.48	-0.15	-0.07	-0.07	1.37
37	24	-2.58	0.13	6.18e-05	-6.37	0.0	-3.11	-11.26	0.29	0.09	-0.02	-2.58
		-10.53	-0.02	3.13e-04	0.0	52.5	-3.11	-17.64	0.29	0.09	0.13	-10.53
37	25	0.51	6.99e-03	-1.67e-04	-6.37	0.0	2.29	11.68	-0.21	-0.09	6.99e-03	-4.31
		-4.31	-0.11	-3.14e-04	0.0	52.5	2.29	5.30	-0.21	-0.09	-0.11	0.51
37	47	-3.06	0.10	4.01e-05	-6.37	0.0	-2.26	-10.61	0.23	0.06	-0.02	-3.06
		-10.50	-0.02	2.40e-04	0.0	52.5	-2.26	-16.98	0.23	0.06	0.10	-10.50
37	50	0.48	7.65e-03	-1.46e-04	-6.37	0.0	1.45	11.02	-0.16	-0.06	7.65e-03	-3.83
		-3.83	-0.08	-2.41e-04	0.0	52.5	1.45	4.65	-0.16	-0.06	-0.08	0.48
37	56	-2.54	0.14	4.17e-05	-6.37	0.0	-3.14	-8.94	0.31	0.08	-0.02	-2.54
		-9.35	-0.02	2.48e-04	0.0	52.5	-3.14	-15.31	0.31	0.08	0.14	-9.35
37	57	-0.67	8.42e-03	-1.47e-04	-6.37	0.0	2.32	9.36	-0.24	-0.08	8.42e-03	-4.35
		-4.35	-0.12	-2.50e-04	0.0	52.5	2.32	2.98	-0.24	-0.08	-0.12	-0.67
37	79	-3.11	0.09	2.78e-05	-6.37	0.0	-2.04	-9.20	0.21	0.05	-0.02	-3.11
		-9.79	-0.02	2.08e-04	0.0	52.5	-2.04	-15.57	0.21	0.05	0.09	-9.79
37	82	-0.23	6.07e-03	-1.33e-04	-6.37	0.0	1.23	9.61	-0.14	-0.05	6.07e-03	-3.78
		-3.78	-0.07	-2.10e-04	0.0	52.5	1.23	3.24	-0.14	-0.05	-0.07	-0.23
37	88	-2.63	0.13	2.94e-05	-6.37	0.0	-2.84	-7.71	0.28	0.07	-0.02	-2.63
		-8.76	-0.02	2.15e-04	0.0	52.5	-2.84	-14.08	0.28	0.07	0.13	-8.76
37	89	-1.26	6.75e-03	-1.35e-04	-6.37	0.0	2.02	8.12	-0.21	-0.07	6.75e-03	-4.26
		-4.26	-0.11	-2.16e-04	0.0	52.5	2.02	1.75	-0.21	-0.07	-0.11	-1.26
37	119	-3.04	0.12	7.39e-05	-6.37	0.0	-3.00	-15.05	0.26	0.11	-0.02	-3.04
		-12.96	-0.02	4.04e-04	0.0	52.5	-3.00	-21.42	0.26	0.11	0.12	-12.96
37	120	-2.44	0.14	9.21e-05	-6.37	0.0	-3.62	-14.43	0.32	0.12	-0.02	-2.44
		-12.08	-0.02	3.99e-04	0.0	52.5	-3.62	-20.80	0.32	0.12	0.14	-12.08
37	121	2.06	9.15e-03	-1.98e-04	-6.37	0.0	2.80	14.84	-0.25	-0.12	9.15e-03	-4.45
		-4.45	-0.12	-4.00e-04	0.0	52.5	2.80	8.47	-0.25	-0.12	-0.12	2.06
37	122	2.94	5.30e-03	-1.79e-04	-6.37	0.0	2.18	15.46	-0.19	-0.11	5.30e-03	-3.85
		-3.85	-0.10	-4.05e-04	0.0	52.5	2.18	9.09	-0.19	-0.11	-0.10	2.94
37	143	-2.34	8.13e-03	-3.53e-05	-3.54	0.0	-0.25	-0.25	0.03	-7.78e-05	-5.85e-03	-2.34
		-3.40	-5.85e-03	0.0	0.0	52.5	-0.25	-3.79	0.03	-7.78e-05	8.13e-03	-3.40
37	146	-4.39	0.01	-6.74e-05	-8.26	0.0	-0.54	0.32	0.04	1.22e-04	-9.72e-03	-4.39
		-6.39	-9.72e-03	0.0	0.0	52.5	-0.54	-7.95	0.04	1.22e-04	0.01	-6.39
37	150	-2.34	8.13e-03	-3.53e-05	-3.54	0.0	-0.25	-0.25	0.03	-7.78e-05	-5.85e-03	-2.34
		-3.40	-5.85e-03	0.0	0.0	52.5	-0.25	-3.79	0.03	-7.78e-05	8.13e-03	-3.40
37	151	-3.63	0.01	-5.57e-05	-6.85	0.0	-0.44	0.28	0.04	1.18e-04	-8.22e-03	-3.63
		-5.28	-8.22e-03	0.0	0.0	52.5	-0.44	-6.56	0.04	1.18e-04	0.01	-5.28

37	155	-2.34	8.13e-03	-3.53e-05	-3.54	0.0	-0.25	-0.25	0.03	-7.78e-05	-5.85e-03	-2.34
		-3.40	-5.85e-03	0.0	0.0	52.5	-0.25	-3.79	0.03	-7.78e-05	8.13e-03	-3.40
37	156	-3.45	0.01	-5.28e-05	-6.37	0.0	-0.41	0.21	0.04	8.97e-05	-7.88e-03	-3.45
		-5.01	-7.88e-03	0.0	0.0	52.5	-0.41	-6.17	0.04	8.97e-05	0.01	-5.01
38	4	-4.06	-6.95e-04	-7.04e-05	-12.00	0.0	-0.62	1.93	-0.03	3.24e-05	-6.95e-04	-4.13
		-6.27	-0.01	0.0	0.0	52.5	-0.62	-10.07	-0.03	3.24e-05	-0.01	-6.27
38	5	-1.44	-2.48e-04	-2.39e-05	-3.22	0.0	-0.17	0.20	-0.01	-2.65e-04	-2.48e-04	-1.44
		-2.18	-5.49e-03	0.0	0.0	52.5	-0.17	-3.02	-0.01	-2.65e-04	-5.49e-03	-2.18
38	16	1.44	-8.09e-03	1.36e-05	-6.37	0.0	-1.97	-4.63	-0.05	0.09	-8.09e-03	1.44
		-2.52	-0.03	2.78e-04	0.0	52.5	-1.97	-11.01	-0.05	0.09	-0.03	-2.52
38	17	-4.37	0.01	-9.05e-05	-6.37	0.0	1.33	6.56	0.02	-0.09	7.30e-03	-6.00
		-6.00	7.30e-03	-2.77e-04	0.0	52.5	1.33	0.19	0.02	-0.09	0.01	-4.37
38	24	1.12	-8.44e-03	8.34e-06	-6.37	0.0	-2.10	-4.44	0.03	0.09	-8.44e-03	1.12
		-2.58	-0.02	3.11e-04	0.0	52.5	-2.10	-10.81	0.03	0.09	-0.02	-2.58
38	25	-4.30	8.64e-03	-8.53e-05	-6.37	0.0	1.46	6.37	-0.06	-0.09	7.65e-03	-5.68
		-5.68	7.65e-03	-3.11e-04	0.0	52.5	1.46	-2.63e-03	-0.06	-0.09	8.64e-03	-4.31
38	48	0.91	-7.03e-03	6.23e-06	-6.37	0.0	-1.92	-3.73	-0.05	0.07	-7.03e-03	0.91
		-2.53	-0.03	2.34e-04	0.0	52.5	-1.92	-10.10	-0.05	0.07	-0.03	-2.53
38	49	-4.32	0.01	-8.31e-05	-6.37	0.0	1.28	5.66	0.02	-0.07	6.25e-03	-5.47
		-5.47	6.25e-03	-2.34e-04	0.0	52.5	1.28	-0.72	0.02	-0.07	0.01	-4.36
38	56	0.50	-7.00e-03	-7.99e-06	-6.37	0.0	-2.13	-3.29	0.03	0.08	-7.00e-03	0.50
		-2.54	-0.02	2.46e-04	0.0	52.5	-2.13	-9.67	0.03	0.08	-0.02	-2.54
38	57	-4.21	8.93e-03	-7.68e-05	-6.37	0.0	1.49	5.22	-0.06	-0.08	6.21e-03	-5.06
		-5.06	6.21e-03	-2.46e-04	0.0	52.5	1.49	-1.15	-0.06	-0.08	8.93e-03	-4.35
38	80	0.50	-6.18e-03	-7.65e-06	-6.37	0.0	-1.74	-3.11	-0.05	0.06	-6.18e-03	0.50
		-2.63	-0.03	2.04e-04	0.0	52.5	-1.74	-9.48	-0.05	0.06	-0.03	-2.63
38	81	-4.15	9.57e-03	-7.74e-05	-6.37	0.0	1.10	5.04	0.02	-0.06	5.39e-03	-5.06
		-5.06	5.39e-03	-2.03e-04	0.0	52.5	1.10	-1.34	0.02	-0.06	9.57e-03	-4.26
38	88	0.13	-6.13e-03	-1.04e-05	-6.37	0.0	-1.93	-2.71	0.02	0.07	-6.13e-03	0.13
		-2.63	-0.02	2.13e-04	0.0	52.5	-1.93	-9.08	0.02	0.07	-0.02	-2.63
38	89	-4.03	7.13e-03	-7.17e-05	-6.37	0.0	1.29	4.64	-0.05	-0.07	5.34e-03	-4.69
		-4.69	5.34e-03	-2.13e-04	0.0	52.5	1.29	-1.73	-0.05	-0.07	7.13e-03	-4.26
38	112	2.35	-9.95e-03	2.62e-05	-6.37	0.0	-2.31	-6.04	-0.06	0.11	-9.95e-03	2.35
		-2.34	-0.03	3.47e-04	0.0	52.5	-2.31	-12.41	-0.06	0.11	-0.03	-2.34
38	113	-4.55	0.01	-1.03e-04	-6.37	0.0	1.66	7.97	0.03	-0.11	9.16e-03	-6.91
		-6.91	9.16e-03	-3.46e-04	0.0	52.5	1.66	1.59	0.03	-0.11	0.01	-4.55
38	120	2.04	-0.01	2.08e-05	-6.37	0.0	-2.43	-5.96	0.04	0.12	-0.01	2.04
		-2.44	-0.03	3.97e-04	0.0	52.5	-2.43	-12.33	0.04	0.12	-0.03	-2.44
38	121	-4.45	0.01	-9.77e-05	-6.37	0.0	1.79	7.89	-0.07	-0.12	9.79e-03	-6.59
		-6.59	9.79e-03	-3.97e-04	0.0	52.5	1.79	1.51	-0.07	-0.12	0.01	-4.45
38	143	-1.54	-2.64e-04	-2.57e-05	-3.54	0.0	-0.19	0.26	-0.01	-2.61e-04	-2.64e-04	-1.55
		-2.34	-5.80e-03	0.0	0.0	52.5	-0.19	-3.28	-0.01	-2.61e-04	-5.80e-03	-2.34
38	146	-2.84	-4.88e-04	-4.92e-05	-8.26	0.0	-0.43	1.29	-0.02	-1.60e-05	-4.88e-04	-2.89
		-4.39	-9.62e-03	0.0	0.0	52.5	-0.43	-6.98	-0.02	-1.60e-05	-9.62e-03	-4.39
38	150	-1.54	-2.64e-04	-2.57e-05	-3.54	0.0	-0.19	0.26	-0.01	-2.61e-04	-2.64e-04	-1.55
		-2.34	-5.80e-03	0.0	0.0	52.5	-0.19	-3.28	-0.01	-2.61e-04	-5.80e-03	-2.34
38	151	-2.36	-4.16e-04	-4.06e-05	-6.85	0.0	-0.34	1.08	-0.02	-5.13e-06	-4.16e-04	-2.40
		-3.63	-8.14e-03	0.0	0.0	52.5	-0.34	-5.76	-0.02	-5.13e-06	-8.14e-03	-3.63
38	155	-1.54	-2.64e-04	-2.57e-05	-3.54	0.0	-0.19	0.26	-0.01	-2.61e-04	-2.64e-04	-1.55
		-2.34	-5.80e-03	0.0	0.0	52.5	-0.19	-3.28	-0.01	-2.61e-04	-5.80e-03	-2.34
38	156	-2.24	-3.95e-04	-3.85e-05	-6.37	0.0	-0.32	0.96	-0.01	-4.16e-05	-3.95e-04	-2.28
		-3.45	-7.80e-03	0.0	0.0	52.5	-0.32	-5.41	-0.01	-4.16e-05	-7.80e-03	-3.45
39	4	-2.30	-4.94e-04	-5.46e-05	-12.00	0.0	-0.19	2.83	-3.76e-04	1.37e-03	-4.94e-04	-2.47
		-4.13	-7.60e-04	0.0	0.0	52.5	-0.19	-9.17	-3.76e-04	1.37e-03	-7.60e-04	-4.13
39	5	-0.84	-1.94e-04	-1.84e-05	-3.22	0.0	-0.02	0.50	-1.92e-04	1.62e-04	-1.94e-04	-0.86
		-1.44	-2.89e-04	0.0	0.0	52.5	-0.02	-2.72	-1.92e-04	1.62e-04	-2.89e-04	-1.44
39	12	-1.06	-1.72e-04	-2.39e-05	-3.22	0.0	-0.03	0.16	-3.90e-04	-1.93e-04	-1.72e-04	-1.07
		-1.83	-3.34e-04	0.0	0.0	52.5	-0.03	-3.06	-3.90e-04	-1.93e-04	-3.34e-04	-1.83
39	19	3.94	5.41e-03	-4.40e-05	-6.37	0.0	-1.27	-1.78	0.03	0.11	-0.01	3.94
		1.27	-0.01	2.76e-04	0.0	52.5	-1.27	-8.16	0.03	0.11	5.41e-03	1.27
39	22	-5.73	9.95e-03	-1.54e-05	-6.37	0.0	1.10	4.68	-0.03	-0.11	9.95e-03	-6.67
		-6.67	-6.29e-03	-2.76e-04	0.0	52.5	1.10	-1.69	-0.03	-0.11	-6.29e-03	-5.83
39	24	3.31	5.95e-03	-3.55e-05	-6.37	0.0	-1.66	-1.12	0.03	0.12	-0.01	3.31
		1.12	-0.01	3.08e-04	0.0	52.5	-1.66	-7.49	0.03	0.12	5.95e-03	1.12
39	25	-5.42	0.01	-2.43e-05	-6.37	0.0	1.48	4.02	-0.03	-0.12	0.01	-6.04
		-6.04	-6.82e-03	-3.08e-04	0.0	52.5	1.48	-2.36	-0.03	-0.12	-6.82e-03	-5.68
39	48	2.87	4.62e-03	-3.27e-05	-6.37	0.0	-1.50	-0.71	0.03	0.10	-9.58e-03	2.87
		0.91	-9.58e-03	2.33e-04	0.0	52.5	-1.50	-7.08	0.03	0.10	4.62e-03	0.91
39	49	-5.12	8.99e-03	-2.74e-05	-6.37	0.0	1.32	3.60	-0.03	-0.10	8.99e-03	-5.60
		-5.60	-5.49e-03	-2.32e-04	0.0	52.5	1.32	-2.77	-0.03	-0.10	-5.49e-03	-5.47
39	51	3.17	4.64e-03	-4.24e-05	-6.37	0.0	-1.17	-1.36	0.03	0.10	-8.96e-03	3.17
		0.73	-8.96e-03	2.33e-04	0.0	52.5	-1.17	-7.74	0.03	0.10	4.64e-03	0.73
39	54	-5.12	8.36e-03	-1.70e-05	-6.37	0.0	1.00	4.26	-0.03	-0.10	8.36e-03	-5.91
		-5.91	-5.51e-03	-2.32e-04	0.0	52.5	1.00	-2.11	-0.03	-0.10	-5.51e-03	-5.28
39	56	2.36	4.86e-03	-3.26e-05	-6.37	0.0	-1.64	-0.54	0.03	0.10	-9.11e-03	2.36

		0.50	-9.11e-03	2.43e-04	0.0	52.5	-1.64	-6.92	0.03	0.10	4.86e-03	0.50
39	57	-4.65	8.52e-03	-2.72e-05	-6.37	0.0	1.47	3.44	-0.03	-0.10	8.52e-03	-5.09
		-5.09	-5.73e-03	-2.43e-04	0.0	52.5	1.47	-2.93	-0.03	-0.10	-5.73e-03	-5.06
39	80	2.31	3.97e-03	-3.20e-05	-6.37	0.0	-1.33	-0.42	0.02	0.08	-8.37e-03	2.31
		0.50	-8.37e-03	2.02e-04	0.0	52.5	-1.33	-6.79	0.02	0.08	3.97e-03	0.50
39	81	-4.63	7.78e-03	-2.78e-05	-6.37	0.0	1.16	3.31	-0.02	-0.08	7.78e-03	-5.05
		-5.06	-4.84e-03	-2.02e-04	0.0	52.5	1.16	-3.06	-0.02	-0.08	-4.84e-03	-5.06
39	83	2.58	3.99e-03	-4.08e-05	-6.37	0.0	-1.04	-1.00	0.02	0.09	-7.82e-03	2.58
		0.33	-7.82e-03	2.02e-04	0.0	52.5	-1.04	-7.38	0.02	0.09	3.99e-03	0.33
39	86	-4.66	7.22e-03	-1.86e-05	-6.37	0.0	0.87	3.90	-0.02	-0.08	7.22e-03	-5.32
		-5.32	-4.86e-03	-2.02e-04	0.0	52.5	0.87	-2.47	-0.02	-0.08	-4.86e-03	-4.89
39	88	1.85	4.17e-03	-3.20e-05	-6.37	0.0	-1.47	-0.27	0.02	0.08	-7.94e-03	1.85
		0.13	-7.94e-03	2.10e-04	0.0	52.5	-1.47	-6.64	0.02	0.08	4.17e-03	0.13
39	89	-4.22	7.34e-03	-2.77e-05	-6.37	0.0	1.30	3.17	-0.02	-0.08	7.34e-03	-4.59
		-4.69	-5.04e-03	-2.10e-04	0.0	52.5	1.30	-3.21	-0.02	-0.08	-5.04e-03	-4.69
39	115	5.23	6.81e-03	-4.73e-05	-6.37	0.0	-1.54	-2.55	0.04	0.14	-0.01	5.23
		2.15	-0.01	3.45e-04	0.0	52.5	-1.54	-8.92	0.04	0.14	6.81e-03	2.15
39	118	-6.68	0.01	-1.21e-05	-6.37	0.0	1.37	5.45	-0.04	-0.14	0.01	-7.97
		-7.97	-7.68e-03	-3.45e-04	0.0	52.5	1.37	-0.92	-0.04	-0.14	-7.68e-03	-6.71
39	120	4.60	7.63e-03	-3.81e-05	-6.37	0.0	-1.97	-1.86	0.04	0.15	-0.01	4.60
		2.04	-0.01	3.94e-04	0.0	52.5	-1.97	-8.23	0.04	0.15	7.63e-03	2.04
39	121	-6.47	0.01	-2.19e-05	-6.37	0.0	1.79	4.75	-0.04	-0.15	0.01	-7.33
		-7.33	-8.50e-03	-3.94e-04	0.0	52.5	1.79	-1.62	-0.04	-0.15	-8.50e-03	-6.59
39	143	-0.90	-2.03e-04	-1.98e-05	-3.54	0.0	-0.03	0.58	-2.03e-04	1.97e-04	-2.03e-04	-0.92
		-1.55	-3.06e-04	0.0	0.0	52.5	-0.03	-2.96	-2.03e-04	1.97e-04	-3.06e-04	-1.55
39	146	-1.61	-3.50e-04	-3.81e-05	-8.26	0.0	-0.13	1.91	-2.71e-04	9.13e-04	-3.50e-04	-1.73
		-2.89	-5.36e-04	0.0	0.0	52.5	-0.13	-6.35	-2.71e-04	9.13e-04	-5.36e-04	-2.89
39	147	-1.05	-1.88e-04	-2.35e-05	-3.54	0.0	-0.03	0.35	-3.35e-04	-3.90e-05	-1.88e-04	-1.06
		-1.80	-3.36e-04	0.0	0.0	52.5	-0.03	-3.18	-3.35e-04	-3.90e-05	-3.36e-04	-1.80
39	150	-0.90	-2.03e-04	-1.98e-05	-3.54	0.0	-0.03	0.58	-2.03e-04	1.97e-04	-2.03e-04	-0.92
		-1.55	-3.06e-04	0.0	0.0	52.5	-0.03	-2.96	-2.03e-04	1.97e-04	-3.06e-04	-1.55
39	151	-1.34	-3.11e-04	-3.13e-05	-6.85	0.0	-0.10	1.59	-2.04e-04	7.81e-04	-3.11e-04	-1.44
		-2.40	-4.57e-04	0.0	0.0	52.5	-0.10	-5.25	-2.04e-04	7.81e-04	-4.57e-04	-2.40
39	152	-0.93	-2.00e-04	-2.06e-05	-3.54	0.0	-0.03	0.54	-2.30e-04	1.50e-04	-2.00e-04	-0.95
		-1.60	-3.12e-04	0.0	0.0	52.5	-0.03	-3.00	-2.30e-04	1.50e-04	-3.12e-04	-1.60
39	155	-0.90	-2.03e-04	-1.98e-05	-3.54	0.0	-0.03	0.58	-2.03e-04	1.97e-04	-2.03e-04	-0.92
		-1.55	-3.06e-04	0.0	0.0	52.5	-0.03	-2.96	-2.03e-04	1.97e-04	-3.06e-04	-1.55
39	156	-1.28	-2.96e-04	-2.97e-05	-6.37	0.0	-0.09	1.45	-2.04e-04	6.98e-04	-2.96e-04	-1.37
		-2.28	-4.35e-04	0.0	0.0	52.5	-0.09	-4.92	-2.04e-04	6.98e-04	-4.35e-04	-2.28
40	3	-0.85	-3.16e-04	-4.68e-05	-12.00	0.0	-0.26	3.68	2.22e-04	2.56e-03	-3.16e-04	-1.15
		-2.37	-4.23e-04	0.0	0.0	52.5	-0.26	-8.33	2.22e-04	2.56e-03	-4.23e-04	-2.37
40	4	-0.91	-3.14e-04	-4.92e-05	-12.00	0.0	-0.26	3.56	1.89e-04	2.38e-03	-3.14e-04	-1.19
		-2.47	-4.21e-04	0.0	0.0	52.5	-0.26	-8.45	1.89e-04	2.38e-03	-4.21e-04	-2.47
40	5	-0.36	-8.48e-05	-1.66e-05	-3.22	0.0	-0.03	0.74	-1.17e-04	5.00e-04	-8.48e-05	-0.41
		-0.86	-1.84e-04	0.0	0.0	52.5	-0.03	-2.48	-1.17e-04	5.00e-04	-1.84e-04	-0.86
40	12	-0.47	-8.12e-05	-2.21e-05	-3.22	0.0	-0.03	0.50	-1.83e-04	1.44e-04	-8.12e-05	-0.48
		-1.07	-1.80e-04	0.0	0.0	52.5	-0.03	-2.72	-1.83e-04	1.44e-04	-1.80e-04	-1.07
40	19	5.82	6.56e-03	-9.58e-05	-6.37	0.0	-0.90	-0.40	0.03	0.14	-0.01	5.82
		3.94	-0.01	6.31e-04	0.0	52.5	-0.90	-6.77	0.03	0.14	6.56e-03	3.94
40	20	5.21	5.88e-03	-8.54e-05	-6.37	0.0	-1.10	0.16	0.03	0.15	-0.01	5.21
		3.62	-0.01	-6.84e-05	0.0	52.5	-1.10	-6.21	0.03	0.15	5.88e-03	3.62
40	21	-6.01	0.01	3.24e-05	-6.37	0.0	0.86	3.51	-0.03	-0.14	0.01	-6.53
		-6.53	-6.40e-03	6.86e-05	0.0	52.5	0.86	-2.87	-0.03	-0.14	-6.40e-03	-6.35
40	22	-6.45	9.67e-03	4.28e-05	-6.37	0.0	0.66	4.07	-0.03	-0.14	9.67e-03	-7.13
		-7.13	-7.07e-03	-6.30e-04	0.0	52.5	0.66	-2.30	-0.03	-0.14	-7.07e-03	-6.67
40	24	4.90	6.80e-03	-8.31e-05	-6.37	0.0	-1.24	0.16	0.03	0.15	-0.01	4.90
		3.31	-0.01	3.06e-04	0.0	52.5	-1.24	-6.21	0.03	0.15	6.80e-03	3.31
40	25	-5.70	0.01	3.01e-05	-6.37	0.0	1.00	3.51	-0.03	-0.14	0.01	-6.21
		-6.21	-7.31e-03	-3.06e-04	0.0	52.5	1.00	-2.87	-0.03	-0.14	-7.31e-03	-6.04
40	51	4.90	5.67e-03	-8.65e-05	-6.37	0.0	-0.84	-0.12	0.03	0.12	-8.51e-03	4.90
		3.17	-8.51e-03	6.14e-04	0.0	52.5	-0.84	-6.49	0.03	0.12	5.67e-03	3.17
40	52	4.28	4.97e-03	-7.57e-05	-6.37	0.0	-1.07	0.47	0.03	0.13	-9.15e-03	4.28
		2.84	-9.15e-03	-1.38e-04	0.0	52.5	-1.07	-5.91	0.03	0.13	4.97e-03	2.84
40	53	-5.16	8.81e-03	2.27e-05	-6.37	0.0	0.83	3.20	-0.03	-0.12	8.81e-03	-5.59
		-5.59	-5.48e-03	1.38e-04	0.0	52.5	0.83	-3.17	-0.03	-0.12	-5.48e-03	-5.57
40	54	-5.63	8.17e-03	3.35e-05	-6.37	0.0	0.61	3.79	-0.03	-0.11	8.17e-03	-6.21
		-6.21	-6.19e-03	-6.14e-04	0.0	52.5	0.61	-2.58	-0.03	-0.11	-6.19e-03	-5.91
40	56	3.75	5.60e-03	-7.08e-05	-6.37	0.0	-1.27	0.56	0.03	0.12	-8.49e-03	3.74
		2.36	-8.49e-03	2.40e-04	0.0	52.5	-1.27	-5.81	0.03	0.12	5.60e-03	2.36
40	57	-4.65	8.16e-03	1.78e-05	-6.37	0.0	1.03	3.11	-0.03	-0.12	8.16e-03	-5.06
		-5.09	-6.12e-03	-2.40e-04	0.0	52.5	1.03	-3.26	-0.03	-0.12	-6.12e-03	-5.09
40	83	4.18	4.91e-03	-7.88e-05	-6.37	0.0	-0.76	0.13	0.02	0.10	-7.42e-03	4.18
		2.58	-7.42e-03	5.44e-04	0.0	52.5	-0.76	-6.24	0.02	0.10	4.91e-03	2.58
40	84	3.64	4.28e-03	-6.92e-05	-6.37	0.0	-0.96	0.65	0.02	0.11	-7.99e-03	3.62
		2.28	-7.99e-03	-1.31e-04	0.0	52.5	-0.96	-5.72	0.02	0.11	4.28e-03	2.28

40	85	-4.56	7.65e-03	1.62e-05	-6.37	0.0	0.73	3.02	-0.02	-0.11	7.65e-03	-4.94
		-5.02	-4.80e-03	1.31e-04	0.0	52.5	0.73	-3.36	-0.02	-0.11	-4.80e-03	-5.02
40	86	-4.98	7.08e-03	2.58e-05	-6.37	0.0	0.52	3.54	-0.02	-0.10	7.08e-03	-5.49
		-5.49	-5.43e-03	-5.44e-04	0.0	52.5	0.52	-2.83	-0.02	-0.10	-5.43e-03	-5.32
40	88	3.16	4.84e-03	-6.47e-05	-6.37	0.0	-1.15	0.74	0.02	0.10	-7.39e-03	3.14
		1.85	-7.39e-03	2.07e-04	0.0	52.5	-1.15	-5.63	0.02	0.10	4.84e-03	1.85
40	89	-4.10	7.05e-03	1.18e-05	-6.37	0.0	0.91	2.93	-0.02	-0.10	7.05e-03	-4.46
		-4.59	-5.36e-03	-2.07e-04	0.0	52.5	0.91	-3.44	-0.02	-0.10	-5.36e-03	-4.59
40	115	7.38	8.18e-03	-1.12e-04	-6.37	0.0	-1.07	-0.93	0.04	0.17	-0.01	7.38
		5.23	-0.01	7.55e-04	0.0	52.5	-1.07	-7.30	0.04	0.17	8.18e-03	5.23
40	118	-7.84	0.01	5.94e-05	-6.37	0.0	0.83	4.60	-0.04	-0.17	0.01	-8.70
		-8.70	-8.70e-03	-7.55e-04	0.0	52.5	0.83	-1.78	-0.04	-0.17	-8.70e-03	-7.97
40	120	6.45	8.66e-03	-9.91e-05	-6.37	0.0	-1.44	-0.32	0.04	0.19	-0.01	6.45
		4.60	-0.01	3.92e-04	0.0	52.5	-1.44	-6.70	0.04	0.19	8.66e-03	4.60
40	121	-7.10	0.01	4.62e-05	-6.37	0.0	1.21	3.99	-0.04	-0.18	0.01	-7.76
		-7.76	-9.17e-03	-3.92e-04	0.0	52.5	1.21	-2.38	-0.04	-0.18	-9.17e-03	-7.33
40	124	6.41	8.00e-03	-9.93e-05	-6.37	0.0	-1.40	-0.33	0.04	0.19	-0.01	6.41
		4.56	-0.01	-5.56e-06	0.0	52.5	-1.40	-6.71	0.04	0.19	8.00e-03	4.56
40	125	-7.06	0.01	4.64e-05	-6.37	0.0	1.16	4.00	-0.04	-0.18	0.01	-7.72
		-7.72	-8.52e-03	5.84e-06	0.0	52.5	1.16	-2.37	-0.04	-0.18	-8.52e-03	-7.29
40	143	-0.38	-9.29e-05	-1.78e-05	-3.54	0.0	-0.04	0.84	-1.05e-04	5.59e-04	-9.29e-05	-0.44
		-0.92	-1.91e-04	0.0	0.0	52.5	-0.04	-2.70	-1.05e-04	5.59e-04	-1.91e-04	-0.92
40	145	-0.61	-2.18e-04	-3.27e-05	-8.26	0.0	-0.17	2.50	1.26e-04	1.74e-03	-2.18e-04	-0.80
		-1.66	-3.03e-04	0.0	0.0	52.5	-0.17	-5.77	1.26e-04	1.74e-03	-3.03e-04	-1.66
40	146	-0.65	-2.17e-04	-3.43e-05	-8.26	0.0	-0.17	2.42	1.04e-04	1.62e-03	-2.17e-04	-0.83
		-1.73	-3.01e-04	0.0	0.0	52.5	-0.17	-5.85	1.04e-04	1.62e-03	-3.01e-04	-1.73
40	147	-0.45	-9.05e-05	-2.15e-05	-3.54	0.0	-0.04	0.68	-1.49e-04	3.22e-04	-9.05e-05	-0.49
		-1.06	-1.89e-04	0.0	0.0	52.5	-0.04	-2.86	-1.49e-04	3.22e-04	-1.89e-04	-1.06
40	150	-0.38	-9.29e-05	-1.78e-05	-3.54	0.0	-0.04	0.84	-1.05e-04	5.59e-04	-9.29e-05	-0.44
		-0.92	-1.91e-04	0.0	0.0	52.5	-0.04	-2.70	-1.05e-04	5.59e-04	-1.91e-04	-0.92
40	151	-0.54	-1.80e-04	-2.81e-05	-6.85	0.0	-0.13	2.00	5.66e-05	1.39e-03	-1.80e-04	-0.69
		-1.44	-2.69e-04	0.0	0.0	52.5	-0.13	-4.85	5.66e-05	1.39e-03	-2.69e-04	-1.44
40	152	-0.40	-9.24e-05	-1.86e-05	-3.54	0.0	-0.04	0.81	-1.14e-04	5.12e-04	-9.24e-05	-0.45
		-0.95	-1.91e-04	0.0	0.0	52.5	-0.04	-2.73	-1.14e-04	5.12e-04	-1.91e-04	-0.95
40	155	-0.38	-9.29e-05	-1.78e-05	-3.54	0.0	-0.04	0.84	-1.05e-04	5.59e-04	-9.29e-05	-0.44
		-0.92	-1.91e-04	0.0	0.0	52.5	-0.04	-2.70	-1.05e-04	5.59e-04	-1.91e-04	-0.92
40	156	-0.52	-1.68e-04	-2.67e-05	-6.37	0.0	-0.12	1.83	3.35e-05	1.27e-03	-1.68e-04	-0.66
		-1.37	-2.58e-04	0.0	0.0	52.5	-0.12	-4.54	3.35e-05	1.27e-03	-2.58e-04	-1.37
41	3	0.16	-1.59e-04	-4.90e-05	-12.00	0.0	0.12	4.26	7.65e-03	1.83e-03	-3.76e-03	-0.24
		-1.15	-3.76e-03	0.0	0.0	52.5	0.12	-7.74	7.65e-03	1.83e-03	-1.59e-04	-1.15
41	4	0.14	-1.67e-04	-5.20e-05	-12.00	0.0	0.13	4.21	7.40e-03	1.73e-03	-3.66e-03	-0.25
		-1.19	-3.66e-03	0.0	0.0	52.5	0.13	-7.79	7.40e-03	1.73e-03	-1.67e-04	-1.19
41	5	-0.01	-3.95e-05	-1.84e-05	-3.22	0.0	0.10	1.02	5.72e-03	4.17e-04	-2.90e-03	-0.10
		-0.41	-2.90e-03	0.0	0.0	52.5	0.10	-2.20	5.72e-03	4.17e-04	-3.95e-05	-0.41
41	7	0.15	-1.36e-04	-4.05e-05	-10.31	0.0	0.09	3.70	5.97e-03	1.61e-03	-2.92e-03	-0.19
		-0.96	-2.92e-03	0.0	0.0	52.5	0.09	-6.61	5.97e-03	1.61e-03	-1.36e-04	-0.96
41	9	-0.04	-7.85e-05	-3.38e-05	-4.91	0.0	0.15	1.48	6.92e-03	4.43e-04	-3.54e-03	-0.16
		-0.67	-3.54e-03	0.0	0.0	52.5	0.15	-3.43	6.92e-03	4.43e-04	-7.85e-05	-0.67
41	19	6.18	0.01	-1.85e-04	-6.37	0.0	-0.62	3.42	0.13	0.13	-0.06	5.71
		5.71	-0.06	2.88e-04	0.0	52.5	-0.62	-2.96	0.13	0.13	0.01	5.82
41	22	-5.95	0.05	1.29e-04	-6.37	0.0	0.81	1.00	-0.12	-0.13	0.05	-6.00
		-7.13	-0.01	-2.88e-04	0.0	52.5	0.81	-5.38	-0.12	-0.13	-0.01	-7.13
41	23	5.84	0.01	-1.79e-04	-6.37	0.0	-0.84	3.26	0.12	0.13	-0.05	5.42
		5.42	-0.05	-5.54e-05	0.0	52.5	-0.84	-3.11	0.12	0.13	0.01	5.44
41	26	-5.64	0.05	1.23e-04	-6.37	0.0	1.03	1.15	-0.11	-0.13	0.05	-5.70
		-6.75	-0.01	5.56e-05	0.0	52.5	1.03	-5.22	-0.11	-0.13	-0.01	-6.75
41	51	5.32	0.01	-1.64e-04	-6.37	0.0	-0.53	3.23	0.13	0.11	-0.06	4.90
		4.90	-0.06	2.46e-04	0.0	52.5	-0.53	-3.15	0.13	0.11	0.01	4.90
41	54	-5.13	0.05	1.07e-04	-6.37	0.0	0.72	1.18	-0.11	-0.11	0.05	-5.19
		-6.21	-0.01	-2.46e-04	0.0	52.5	0.72	-5.19	-0.11	-0.11	-0.01	-6.21
41	55	4.77	8.86e-03	-1.51e-04	-6.37	0.0	-0.78	3.05	0.11	0.10	-0.05	4.40
		4.30	-0.05	-1.49e-04	0.0	52.5	-0.78	-3.32	0.11	0.10	8.86e-03	4.30
41	58	-4.61	0.04	9.51e-05	-6.37	0.0	0.97	1.36	-0.10	-0.10	0.04	-4.69
		-5.61	-9.03e-03	1.50e-04	0.0	52.5	0.97	-5.01	-0.10	-0.10	-9.03e-03	-5.61
41	83	4.63	8.92e-03	-1.46e-04	-6.37	0.0	-0.45	3.09	0.11	0.10	-0.05	4.25
		4.18	-0.05	2.14e-04	0.0	52.5	-0.45	-3.28	0.11	0.10	8.92e-03	4.18
41	86	-4.46	0.05	8.99e-05	-6.37	0.0	0.64	1.32	-0.10	-0.10	0.05	-4.54
		-5.49	-9.08e-03	-2.14e-04	0.0	52.5	0.64	-5.06	-0.10	-0.10	-9.08e-03	-5.49
41	87	4.14	7.66e-03	-1.35e-04	-6.37	0.0	-0.68	2.94	0.09	0.09	-0.04	3.80
		3.64	-0.04	-1.43e-04	0.0	52.5	-0.68	-3.43	0.09	0.09	7.66e-03	3.64
41	90	-3.99	0.04	7.88e-05	-6.37	0.0	0.86	1.47	-0.08	-0.09	0.04	-4.09
		-4.96	-7.83e-03	1.43e-04	0.0	52.5	0.86	-4.90	-0.08	-0.09	-7.83e-03	-4.96
41	115	7.68	0.01	-2.23e-04	-6.37	0.0	-0.80	3.72	0.16	0.17	-0.07	7.12
		7.12	-0.07	3.59e-04	0.0	52.5	-0.80	-2.66	0.16	0.17	0.01	7.38
41	118	-7.38	0.07	1.67e-04	-6.37	0.0	0.99	0.69	-0.15	-0.16	0.07	-7.41

41	119	-8.70	-0.02	-3.58e-04	0.0	52.5	0.99	-5.68	-0.15	-0.16	-0.02	-8.70
		7.41	0.01	-2.19e-04	-6.37	0.0	-1.06	3.55	0.14	0.17	-0.06	6.90
		6.90	-0.06	-2.59e-05	0.0	52.5	-1.06	-2.82	0.14	0.17	0.01	7.07
41	122	-7.15	0.06	1.63e-04	-6.37	0.0	1.24	0.86	-0.13	-0.16	0.06	-7.18
		-8.39	-0.01	2.61e-05	0.0	52.5	1.24	-5.51	-0.13	-0.16	-0.01	-8.39
41	143	-8.01e-03	-4.46e-05	-1.97e-05	-3.54	0.0	0.10	1.14	5.71e-03	4.59e-04	-2.89e-03	-0.10
		-0.44	-2.89e-03	0.0	0.0	52.5	0.10	-2.40	5.71e-03	4.59e-04	-4.46e-05	-0.44
41	145	0.10	-1.09e-04	-3.43e-05	-8.26	0.0	0.09	2.92	5.87e-03	1.25e-03	-2.90e-03	-0.17
		-0.80	-2.90e-03	0.0	0.0	52.5	0.09	-5.34	5.87e-03	1.25e-03	-1.09e-04	-0.80
41	146	0.09	-1.14e-04	-3.63e-05	-8.26	0.0	0.10	2.88	5.71e-03	1.19e-03	-2.83e-03	-0.18
		-0.83	-2.83e-03	0.0	0.0	52.5	0.10	-5.38	5.71e-03	1.19e-03	-1.14e-04	-0.83
41	147	-0.03	-5.49e-05	-2.43e-05	-3.54	0.0	0.11	1.06	5.38e-03	3.28e-04	-2.75e-03	-0.12
		-0.49	-2.75e-03	0.0	0.0	52.5	0.11	-2.47	5.38e-03	3.28e-04	-5.49e-05	-0.49
41	150	-8.01e-03	-4.46e-05	-1.97e-05	-3.54	0.0	0.10	1.14	5.71e-03	4.59e-04	-2.89e-03	-0.10
		-0.44	-2.89e-03	0.0	0.0	52.5	0.10	-2.40	5.71e-03	4.59e-04	-4.46e-05	-0.44
41	151	0.07	-8.95e-05	-2.98e-05	-6.85	0.0	0.09	2.38	5.82e-03	1.02e-03	-2.90e-03	-0.15
		-0.69	-2.90e-03	0.0	0.0	52.5	0.09	-4.46	5.82e-03	1.02e-03	-8.95e-05	-0.69
41	152	-0.01	-4.67e-05	-2.06e-05	-3.54	0.0	0.10	1.12	5.64e-03	4.33e-04	-2.86e-03	-0.11
		-0.45	-2.86e-03	0.0	0.0	52.5	0.10	-2.42	5.64e-03	4.33e-04	-4.67e-05	-0.45
41	155	-8.01e-03	-4.46e-05	-1.97e-05	-3.54	0.0	0.10	1.14	5.71e-03	4.59e-04	-2.89e-03	-0.10
		-0.44	-2.89e-03	0.0	0.0	52.5	0.10	-2.40	5.71e-03	4.59e-04	-4.46e-05	-0.44
41	156	0.06	-8.31e-05	-2.83e-05	-6.37	0.0	0.09	2.21	5.80e-03	9.37e-04	-2.90e-03	-0.14
		-0.66	-2.90e-03	0.0	0.0	52.5	0.09	-4.17	5.80e-03	9.37e-04	-8.31e-05	-0.66
42	1	0.26	2.20e-03	-3.40e-05	-4.91	0.0	0.05	2.17	-0.01	0.0	2.20e-03	9.57e-03
		-0.14	-3.52e-03	0.0	0.0	52.5	0.05	-2.74	-0.01	0.0	-3.52e-03	-0.14
42	3	0.68	3.62e-03	-6.31e-05	-12.00	0.0	-0.15	5.51	-0.01	0.0	3.62e-03	0.02
		-0.24	-3.04e-03	0.0	0.0	52.5	-0.15	-6.49	-0.01	0.0	-3.04e-03	-0.24
42	4	0.68	3.81e-03	-6.69e-05	-12.00	0.0	-0.15	5.49	-0.01	0.0	3.81e-03	0.02
		-0.25	-2.96e-03	0.0	0.0	52.5	-0.15	-6.51	-0.01	0.0	-2.96e-03	-0.25
42	12	0.16	1.93e-03	-3.07e-05	-3.22	0.0	0.07	1.37	-8.62e-03	0.0	1.93e-03	8.66e-03
		-0.12	-2.60e-03	0.0	0.0	52.5	0.07	-1.86	-8.62e-03	0.0	-2.60e-03	-0.12
42	19	5.71	0.04	-3.38e-04	-6.37	0.0	-0.48	13.76	-0.15	1.12e-05	0.04	0.25
		0.25	-0.04	2.93e-04	0.0	52.5	-0.48	7.38	-0.15	1.12e-05	-0.04	5.71
42	22	-0.23	0.04	2.65e-04	-6.37	0.0	0.41	-7.97	0.13	-1.14e-05	-0.03	-0.23
		-6.00	-0.03	-2.92e-04	0.0	52.5	0.41	-14.34	0.13	-1.14e-05	0.04	-6.00
42	23	5.42	0.04	-3.24e-04	-6.37	0.0	-0.52	13.04	-0.13	1.02e-05	0.04	0.33
		0.33	-0.03	3.04e-04	0.0	52.5	-0.52	6.67	-0.13	1.02e-05	-0.03	5.42
42	26	-0.31	0.03	2.51e-04	-6.37	0.0	0.44	-7.25	0.12	-1.03e-05	-0.03	-0.31
		-5.70	-0.03	-3.03e-04	0.0	52.5	0.44	-13.63	0.12	-1.03e-05	0.03	-5.70
42	27	5.44	0.04	-3.25e-04	-6.37	0.0	-0.50	13.13	-0.14	1.02e-05	0.04	0.31
		0.31	-0.04	3.21e-04	0.0	52.5	-0.50	6.76	-0.14	1.02e-05	-0.04	5.44
42	51	4.90	0.04	-2.96e-04	-6.37	0.0	-0.44	12.25	-0.16	9.59e-06	0.04	0.25
		0.25	-0.05	2.50e-04	0.0	52.5	-0.44	5.87	-0.16	9.59e-06	-0.05	4.90
42	54	-0.23	0.04	2.23e-04	-6.37	0.0	0.36	-6.46	0.14	-9.71e-06	-0.03	-0.23
		-5.19	-0.03	-2.49e-04	0.0	52.5	0.36	-12.83	0.14	-9.71e-06	0.04	-5.19
42	55	4.40	0.04	-2.71e-04	-6.37	0.0	-0.46	11.19	-0.14	8.28e-06	0.04	0.32
		0.32	-0.04	2.36e-04	0.0	52.5	-0.46	4.81	-0.14	8.28e-06	-0.04	4.40
42	58	-0.30	0.03	1.98e-04	-6.37	0.0	0.39	-5.40	0.12	-8.40e-06	-0.03	-0.30
		-4.69	-0.03	-2.35e-04	0.0	52.5	0.39	-11.77	0.12	-8.40e-06	0.03	-4.69
42	83	4.25	0.03	-2.62e-04	-6.37	0.0	-0.39	11.04	-0.14	8.33e-06	0.03	0.23
		0.23	-0.04	2.18e-04	0.0	52.5	-0.39	4.67	-0.14	8.33e-06	-0.04	4.25
42	86	-0.21	0.04	1.89e-04	-6.37	0.0	0.31	-5.25	0.12	-8.45e-06	-0.03	-0.21
		-4.54	-0.03	-2.17e-04	0.0	52.5	0.31	-11.62	0.12	-8.45e-06	0.04	-4.54
42	87	3.80	0.04	-2.40e-04	-6.37	0.0	-0.41	10.09	-0.13	7.17e-06	0.04	0.29
		0.29	-0.03	2.03e-04	0.0	52.5	-0.41	3.72	-0.13	7.17e-06	-0.03	3.80
42	90	-0.27	0.03	1.67e-04	-6.37	0.0	0.33	-4.30	0.11	-7.29e-06	-0.03	-0.27
		-4.09	-0.03	-2.02e-04	0.0	52.5	0.33	-10.67	0.11	-7.29e-06	0.03	-4.09
42	115	7.12	0.05	-4.11e-04	-6.37	0.0	-0.59	16.38	-0.18	1.40e-05	0.05	0.29
		0.29	-0.05	3.64e-04	0.0	52.5	-0.59	10.00	-0.18	1.40e-05	-0.05	7.12
42	118	-0.27	0.04	3.38e-04	-6.37	0.0	0.51	-10.58	0.16	-1.41e-05	-0.04	-0.27
		-7.41	-0.04	-3.63e-04	0.0	52.5	0.51	-16.96	0.16	-1.41e-05	0.04	-7.41
42	119	6.90	0.05	-4.01e-04	-6.37	0.0	-0.64	15.76	-0.16	1.30e-05	0.05	0.39
		0.39	-0.04	3.90e-04	0.0	52.5	-0.64	9.39	-0.16	1.30e-05	-0.04	6.90
42	122	-0.37	0.03	3.28e-04	-6.37	0.0	0.56	-9.97	0.14	-1.31e-05	-0.04	-0.37
		-7.18	-0.04	-3.89e-04	0.0	52.5	0.56	-16.34	0.14	-1.31e-05	0.03	-7.18
42	123	6.93	0.05	-4.02e-04	-6.37	0.0	-0.62	15.87	-0.16	1.30e-05	0.05	0.37
		0.37	-0.04	4.09e-04	0.0	52.5	-0.62	9.49	-0.16	1.30e-05	-0.04	6.93
42	143	0.19	1.63e-03	-2.48e-05	-3.54	0.0	0.04	1.56	-8.30e-03	0.0	1.63e-03	6.95e-03
		-0.10	-2.73e-03	0.0	0.0	52.5	0.04	-1.98	-8.30e-03	0.0	-2.73e-03	-0.10
42	145	0.47	2.57e-03	-4.43e-05	-8.26	0.0	-0.09	3.79	-9.50e-03	0.0	2.57e-03	0.01
		-0.17	-2.41e-03	0.0	0.0	52.5	-0.09	-4.48	-9.50e-03	0.0	-2.41e-03	-0.17
42	146	0.46	2.70e-03	-4.68e-05	-8.26	0.0	-0.09	3.77	-9.64e-03	0.0	2.70e-03	0.01
		-0.18	-2.36e-03	0.0	0.0	52.5	-0.09	-4.49	-9.64e-03	0.0	-2.36e-03	-0.18
42	147	0.18	1.89e-03	-2.99e-05	-3.54	0.0	0.05	1.53	-8.58e-03	0.0	1.89e-03	8.44e-03
		-0.12	-2.62e-03	0.0	0.0	52.5	0.05	-2.01	-8.58e-03	0.0	-2.62e-03	-0.12

42	150	0.19	1.63e-03	-2.48e-05	-3.54	0.0	0.04	1.56	-8.30e-03	0.0	1.63e-03	6.95e-03
		-0.10	-2.73e-03	0.0	0.0	52.5	0.04	-1.98	-8.30e-03	0.0	-2.73e-03	-0.10
42	151	0.38	2.29e-03	-3.84e-05	-6.85	0.0	-0.05	3.12	-9.14e-03	0.0	2.29e-03	0.01
		-0.15	-2.51e-03	0.0	0.0	52.5	-0.05	-3.73	-9.14e-03	0.0	-2.51e-03	-0.15
42	152	0.19	1.68e-03	-2.58e-05	-3.54	0.0	0.04	1.55	-8.36e-03	0.0	1.68e-03	7.25e-03
		-0.11	-2.71e-03	0.0	0.0	52.5	0.04	-1.99	-8.36e-03	0.0	-2.71e-03	-0.11
42	155	0.19	1.63e-03	-2.48e-05	-3.54	0.0	0.04	1.56	-8.30e-03	0.0	1.63e-03	6.95e-03
		-0.10	-2.73e-03	0.0	0.0	52.5	0.04	-1.98	-8.30e-03	0.0	-2.73e-03	-0.10
42	156	0.36	2.20e-03	-3.65e-05	-6.37	0.0	-0.04	2.90	-9.02e-03	0.0	2.20e-03	0.01
		-0.14	-2.54e-03	0.0	0.0	52.5	-0.04	-3.48	-9.02e-03	0.0	-2.54e-03	-0.14
43	3	0.63	-3.20e-05	-1.98e-04	-11.93	0.0	0.07	7.13	-6.05e-05	6.96e-04	-3.20e-05	-0.48
		-0.48	-1.28e-04	0.0	0.0	52.2	0.07	-4.80	-6.05e-05	6.96e-04	-1.28e-04	0.13
43	7	0.50	-3.07e-05	-1.66e-04	-10.25	0.0	0.03	6.14	-1.97e-05	6.42e-04	-3.07e-05	-0.46
		-0.46	-1.00e-04	0.0	0.0	52.2	0.03	-4.11	-1.97e-05	6.42e-04	-1.00e-04	0.07
43	9	0.62	1.52e-05	-1.12e-04	-4.89	0.0	0.25	2.79	-2.92e-04	-1.02e-04	1.52e-05	0.20
		0.20	-1.26e-04	0.0	0.0	52.2	0.25	-2.09	-2.92e-04	-1.02e-04	-1.26e-04	0.38
43	11	0.77	-3.42e-06	-1.83e-04	-9.82	0.0	0.21	5.79	-2.40e-04	2.65e-04	-3.42e-06	-0.12
		-0.12	-1.52e-04	0.0	0.0	52.2	0.21	-4.03	-2.40e-04	2.65e-04	-1.52e-04	0.34
43	12	0.49	1.65e-05	-8.02e-05	-3.20	0.0	0.22	1.80	-2.51e-04	-1.56e-04	1.65e-05	0.22
		0.22	-9.89e-05	0.0	0.0	52.2	0.22	-1.40	-2.51e-04	-1.56e-04	-9.89e-05	0.33
43	16	-2.02	-0.01	-2.68e-04	-6.34	0.0	-0.91	5.05	0.03	0.06	-0.03	-3.07
		-3.07	-0.03	5.86e-04	0.0	52.2	-0.91	-1.29	0.03	0.06	-0.01	-2.09
43	17	2.94	0.03	4.68e-05	-6.34	0.0	1.06	2.47	-0.03	-0.06	0.03	2.68
		2.33	0.01	-5.86e-04	0.0	52.2	1.06	-3.86	-0.03	-0.06	0.01	2.33
43	19	-3.48	-0.02	-3.40e-04	-6.34	0.0	-0.65	6.01	0.03	0.06	-0.03	-4.96
		-4.96	-0.03	5.86e-04	0.0	52.2	-0.65	-0.32	0.03	0.06	-0.02	-3.49
43	22	4.67	0.03	1.19e-04	-6.34	0.0	0.80	1.51	-0.03	-0.06	0.03	4.57
		3.72	0.02	-5.86e-04	0.0	52.2	0.80	-4.83	-0.03	-0.06	0.02	3.72
43	23	-3.91	-9.77e-03	-3.62e-04	-6.34	0.0	-0.37	6.45	0.03	0.06	-0.02	-5.61
		-5.61	-0.02	6.49e-04	0.0	52.2	-0.37	0.11	0.03	0.06	-9.77e-03	-3.91
43	26	5.27	0.02	1.41e-04	-6.34	0.0	0.52	1.07	-0.03	-0.06	0.02	5.22
		4.14	9.61e-03	-6.49e-04	0.0	52.2	0.52	-5.26	-0.03	-0.06	9.61e-03	4.14
43	48	-1.64	-0.01	-2.41e-04	-6.34	0.0	-0.85	4.79	0.03	0.06	-0.03	-2.58
		-2.58	-0.03	4.97e-04	0.0	52.2	-0.85	-1.55	0.03	0.06	-0.01	-1.74
43	49	2.51	0.03	1.98e-05	-6.34	0.0	1.00	2.73	-0.03	-0.06	0.03	2.20
		1.98	0.01	-4.96e-04	0.0	52.2	1.00	-3.61	-0.03	-0.06	0.01	1.98
43	51	-3.18	-0.01	-3.16e-04	-6.34	0.0	-0.57	5.80	0.03	0.06	-0.03	-4.56
		-4.56	-0.03	4.97e-04	0.0	52.2	-0.57	-0.54	0.03	0.06	-0.01	-3.20
43	54	4.29	0.03	9.51e-05	-6.34	0.0	0.73	1.73	-0.03	-0.06	0.03	4.17
		3.43	0.01	-4.97e-04	0.0	52.2	0.73	-4.61	-0.03	-0.06	0.01	3.43
43	55	-3.46	-0.01	-3.27e-04	-6.34	0.0	-0.40	6.12	0.03	0.05	-0.02	-4.98
		-4.98	-0.02	5.19e-04	0.0	52.2	-0.40	-0.22	0.03	0.05	-0.01	-3.46
43	58	4.68	0.02	1.06e-04	-6.34	0.0	0.56	1.41	-0.03	-0.05	0.02	4.59
		3.69	9.84e-03	-5.19e-04	0.0	52.2	0.56	-4.93	-0.03	-0.05	9.84e-03	3.69
43	80	-1.38	-0.01	-2.23e-04	-6.34	0.0	-0.74	4.65	0.02	0.05	-0.02	-2.27
		-2.27	-0.02	4.31e-04	0.0	52.2	-0.74	-1.69	0.02	0.05	-0.01	-1.50
43	81	2.22	0.02	-9.48e-06	-6.34	0.0	0.89	2.87	-0.02	-0.05	0.02	1.88
		1.73	0.01	-4.31e-04	0.0	52.2	0.89	-3.46	-0.02	-0.05	0.01	1.73
43	83	-2.77	-0.01	-2.91e-04	-6.34	0.0	-0.49	5.55	0.02	0.05	-0.02	-4.03
		-4.03	-0.02	4.31e-04	0.0	52.2	-0.49	-0.79	0.02	0.05	-0.01	-2.80
43	86	3.81	0.02	6.97e-05	-6.34	0.0	0.65	1.98	-0.02	-0.05	0.02	3.64
		3.03	0.01	-4.31e-04	0.0	52.2	0.65	-4.36	-0.02	-0.05	0.01	3.03
43	87	-3.01	-8.96e-03	-3.00e-04	-6.34	0.0	-0.36	5.82	0.02	0.05	-0.02	-4.39
		-4.39	-0.02	4.49e-04	0.0	52.2	-0.36	-0.51	0.02	0.05	-8.96e-03	-3.02
43	90	4.13	0.02	7.93e-05	-6.34	0.0	0.51	1.70	-0.02	-0.05	0.02	4.01
		3.26	8.79e-03	-4.49e-04	0.0	52.2	0.51	-4.64	-0.02	-0.05	8.79e-03	3.26
43	112	-2.62	-0.02	-3.08e-04	-6.34	0.0	-1.12	5.40	0.04	0.08	-0.04	-3.81
		-3.81	-0.04	7.30e-04	0.0	52.2	-1.12	-0.94	0.04	0.08	-0.02	-2.66
43	113	3.61	0.04	8.74e-05	-6.34	0.0	1.27	2.12	-0.04	-0.08	0.04	3.42
		2.89	0.02	-7.30e-04	0.0	52.2	1.27	-4.21	-0.04	-0.08	0.02	2.89
43	115	-4.27	-0.02	-3.92e-04	-6.34	0.0	-0.82	6.52	0.04	0.08	-0.04	-6.01
		-6.01	-0.04	7.30e-04	0.0	52.2	-0.82	0.18	0.04	0.08	-0.02	-4.27
43	118	5.67	0.04	1.71e-04	-6.34	0.0	0.97	1.00	-0.04	-0.08	0.04	5.63
		4.51	0.02	-7.30e-04	0.0	52.2	0.97	-5.33	-0.04	-0.08	0.02	4.51
43	119	-4.87	-0.01	-4.24e-04	-6.34	0.0	-0.45	7.10	0.04	0.08	-0.03	-6.91
		-6.91	-0.03	8.27e-04	0.0	52.2	-0.45	0.76	0.04	0.08	-0.01	-4.87
43	122	6.53	0.03	2.03e-04	-6.34	0.0	0.60	0.42	-0.04	-0.08	0.03	6.53
		5.11	0.01	-8.27e-04	0.0	52.2	0.60	-5.91	-0.04	-0.08	0.01	5.11
43	145	0.45	-2.19e-05	-1.38e-04	-8.22	0.0	0.06	4.90	-5.01e-05	4.76e-04	-2.19e-05	-0.31
		-0.31	-9.19e-05	0.0	0.0	52.2	0.06	-3.31	-5.01e-05	4.76e-04	-9.19e-05	0.10
43	147	0.44	9.61e-06	-8.02e-05	-3.52	0.0	0.18	2.01	-2.05e-04	-5.60e-05	9.61e-06	0.14
		0.14	-9.09e-05	0.0	0.0	52.2	0.18	-1.51	-2.05e-04	-5.60e-05	-9.09e-05	0.27
43	149	0.54	-2.81e-06	-1.28e-04	-6.81	0.0	0.15	4.01	-1.70e-04	1.88e-04	-2.81e-06	-0.07
		-0.07	-1.08e-04	0.0	0.0	52.2	0.15	-2.80	-1.70e-04	1.88e-04	-1.08e-04	0.24
43	151	0.40	-1.65e-05	-1.17e-04	-6.81	0.0	0.07	4.05	-6.52e-05	3.71e-04	-1.65e-05	-0.22

		-0.22	-8.47e-05	0.0	0.0	52.2	0.07	-2.76	-6.52e-05	3.71e-04	-8.47e-05	0.11
43	152	0.33	-1.37e-06	-7.17e-05	-3.52	0.0	0.12	2.04	-1.21e-04	9.05e-05	-1.37e-06	0.02
		0.02	-7.23e-05	0.0	0.0	52.2	0.12	-1.48	-1.21e-04	9.05e-05	-7.23e-05	0.17
43	154	0.42	-1.20e-05	-1.13e-04	-6.34	0.0	0.09	3.75	-9.11e-05	3.00e-04	-1.20e-05	-0.16
		-0.16	-8.69e-05	0.0	0.0	52.2	0.09	-2.58	-9.11e-05	3.00e-04	-8.69e-05	0.14
43	155	0.30	-4.12e-06	-6.95e-05	-3.52	0.0	0.10	2.05	-1.00e-04	1.27e-04	-4.12e-06	-0.01
		-0.01	-6.77e-05	0.0	0.0	52.2	0.10	-1.47	-1.00e-04	1.27e-04	-6.77e-05	0.14
43	156	0.39	-1.48e-05	-1.10e-04	-6.34	0.0	0.08	3.76	-7.02e-05	3.36e-04	-1.48e-05	-0.19
		-0.19	-8.22e-05	0.0	0.0	52.2	0.08	-2.58	-7.02e-05	3.36e-04	-8.22e-05	0.12
44	3	1.35	1.10e-05	-1.56e-04	-11.93	0.0	0.17	2.79	1.97e-03	8.85e-04	-9.08e-04	1.18
		-0.48	-9.08e-04	0.0	0.0	52.2	0.17	-9.14	1.97e-03	8.85e-04	1.10e-05	-0.48
44	4	1.48	1.31e-05	-1.66e-04	-11.93	0.0	0.20	2.74	1.66e-03	7.27e-04	-7.63e-04	1.32
		-0.37	-7.63e-04	0.0	0.0	52.2	0.20	-9.19	1.66e-03	7.27e-04	1.31e-05	-0.37
44	5	0.61	3.50e-06	-5.27e-05	-3.20	0.0	0.10	0.45	4.13e-04	1.64e-04	-1.91e-04	0.60
		-2.62e-03	-1.91e-04	0.0	0.0	52.2	0.10	-2.75	4.13e-04	1.64e-04	3.50e-06	-2.62e-03
44	11	1.47	1.36e-05	-1.52e-04	-9.82	0.0	0.22	2.08	9.39e-04	3.76e-04	-4.28e-04	1.36
		-0.12	-4.28e-04	0.0	0.0	52.2	0.22	-7.73	9.39e-04	3.76e-04	1.36e-05	-0.12
44	12	0.88	9.98e-05	-7.18e-05	-3.20	0.0	0.16	0.35	-2.08e-04	-1.52e-04	9.98e-05	0.87
		0.22	7.69e-06	0.0	0.0	52.2	0.16	-2.86	-2.08e-04	-1.52e-04	7.69e-06	0.22
44	16	-0.99	-0.02	-1.83e-04	-6.34	0.0	-0.27	-0.82	0.08	0.07	-0.06	-0.99
		-3.07	-0.06	5.81e-04	0.0	52.2	-0.27	-7.16	0.08	0.07	-0.02	-3.07
44	17	3.01	0.06	-8.43e-06	-6.34	0.0	0.51	3.50	-0.08	-0.07	0.06	2.51
		2.51	0.02	-5.81e-04	0.0	52.2	0.51	-2.84	-0.08	-0.07	0.02	2.68
44	23	-2.38	-0.02	-2.22e-04	-6.34	0.0	-0.01	-3.02	0.06	0.07	-0.04	-2.38
		-5.61	-0.04	6.57e-04	0.0	52.2	-0.01	-9.35	0.06	0.07	-0.02	-5.61
44	26	5.24	0.04	4.53e-05	-6.34	0.0	0.25	5.70	-0.05	-0.06	0.04	3.90
		3.90	0.02	-6.57e-04	0.0	52.2	0.25	-0.64	-0.05	-0.06	0.02	5.22
44	36	2.29	-1.90e-03	-6.74e-05	-6.34	0.0	-0.42	3.25	0.03	0.03	-0.02	1.86
		1.86	-0.02	1.82e-04	0.0	52.2	-0.42	-3.09	0.03	0.03	-1.90e-03	1.90
44	37	-0.34	0.02	-1.09e-04	-6.34	0.0	0.65	-0.57	-0.02	-0.03	0.02	-0.34
		-2.28	1.91e-03	-1.82e-04	0.0	52.2	0.65	-6.90	-0.02	-0.03	1.91e-03	-2.28
44	48	-0.70	-0.02	-1.67e-04	-6.34	0.0	-0.27	-0.43	0.07	0.06	-0.06	-0.70
		-2.58	-0.06	4.89e-04	0.0	52.2	-0.27	-6.77	0.07	0.06	-0.02	-2.58
44	49	2.62	0.06	-1.66e-05	-6.34	0.0	0.51	3.11	-0.07	-0.06	0.06	2.22
		2.20	0.02	-4.89e-04	0.0	52.2	0.51	-3.22	-0.07	-0.06	0.02	2.20
44	55	-2.01	-0.01	-2.01e-04	-6.34	0.0	-0.03	-2.52	0.05	0.06	-0.04	-2.01
		-4.98	-0.04	5.28e-04	0.0	52.2	-0.03	-8.86	0.05	0.06	-0.01	-4.98
44	58	4.64	0.03	2.45e-05	-6.34	0.0	0.27	5.20	-0.04	-0.06	0.03	3.53
		3.53	0.01	-5.28e-04	0.0	52.2	0.27	-1.14	-0.04	-0.06	0.01	4.59
44	68	2.54	-1.10e-03	-5.88e-05	-6.34	0.0	-0.44	3.51	0.02	0.03	-0.02	2.04
		2.04	-0.02	1.33e-04	0.0	52.2	-0.44	-2.83	0.02	0.03	-1.10e-03	2.22
44	69	-0.52	0.02	-1.18e-04	-6.34	0.0	0.68	-0.83	-0.02	-0.03	0.02	-0.52
		-2.60	1.11e-03	-1.33e-04	0.0	52.2	0.68	-7.16	-0.02	-0.03	1.11e-03	-2.60
44	80	-0.51	-0.02	-1.56e-04	-6.34	0.0	-0.23	-0.19	0.06	0.06	-0.05	-0.51
		-2.27	-0.05	4.24e-04	0.0	52.2	-0.23	-6.53	0.06	0.06	-0.02	-2.27
44	81	2.37	0.05	-2.34e-05	-6.34	0.0	0.46	2.88	-0.06	-0.05	0.05	2.03
		1.88	0.02	-4.24e-04	0.0	52.2	0.46	-3.46	-0.06	-0.05	0.02	1.88
44	87	-1.67	-0.01	-1.87e-04	-6.34	0.0	-0.02	-2.05	0.04	0.05	-0.03	-1.67
		-4.39	-0.03	4.57e-04	0.0	52.2	-0.02	-8.39	0.04	0.05	-0.01	-4.39
44	90	4.11	0.03	1.02e-05	-6.34	0.0	0.25	4.73	-0.04	-0.05	0.03	3.19
		3.19	0.01	-4.57e-04	0.0	52.2	0.25	-1.61	-0.04	-0.05	0.01	4.01
44	100	2.36	-9.03e-04	-6.12e-05	-6.34	0.0	-0.38	3.29	0.02	0.03	-0.02	1.91
		1.91	-0.02	1.13e-04	0.0	52.2	-0.38	-3.04	0.02	0.03	-9.03e-04	1.98
44	101	-0.39	0.02	-1.15e-04	-6.34	0.0	0.62	-0.61	-0.02	-0.03	0.02	-0.39
		-2.36	9.15e-04	-1.13e-04	0.0	52.2	0.62	-6.95	-0.02	-0.03	9.15e-04	-2.36
44	112	-1.43	-0.03	-2.08e-04	-6.34	0.0	-0.34	-1.39	0.10	0.08	-0.08	-1.43
		-3.81	-0.08	7.25e-04	0.0	52.2	-0.34	-7.72	0.10	0.08	-0.03	-3.81
44	113	3.64	0.08	3.13e-05	-6.34	0.0	0.58	4.07	-0.10	-0.08	0.08	2.96
		2.96	0.03	-7.25e-04	0.0	52.2	0.58	-2.27	-0.10	-0.08	0.03	3.42
44	119	-3.14	-0.02	-2.56e-04	-6.34	0.0	-0.03	-4.06	0.07	0.08	-0.05	-3.14
		-6.91	-0.05	8.36e-04	0.0	52.2	-0.03	-10.40	0.07	0.08	-0.02	-6.91
44	122	6.53	0.05	7.99e-05	-6.34	0.0	0.27	6.74	-0.07	-0.08	0.05	4.66
		4.66	0.02	-8.36e-04	0.0	52.2	0.27	0.41	-0.07	-0.08	0.02	6.53
44	132	2.46	-2.62e-03	-6.77e-05	-6.34	0.0	-0.50	3.47	0.03	0.04	-0.02	1.97
		1.97	-0.02	2.37e-04	0.0	52.2	-0.50	-2.87	0.03	0.04	-2.62e-03	2.12
44	133	-0.45	0.02	-1.09e-04	-6.34	0.0	0.74	-0.79	-0.03	-0.04	0.02	-0.45
		-2.51	2.63e-03	-2.37e-04	0.0	52.2	0.74	-7.12	-0.03	-0.04	2.63e-03	-2.51
44	143	0.65	3.97e-06	-5.72e-05	-3.52	0.0	0.11	0.54	4.40e-04	1.75e-04	-2.03e-04	0.63
		-0.01	-2.03e-04	0.0	0.0	52.2	0.11	-2.98	4.40e-04	1.75e-04	3.97e-06	-0.01
44	145	0.96	7.57e-06	-1.09e-04	-8.22	0.0	0.13	1.88	1.36e-03	6.06e-04	-6.24e-04	0.85
		-0.31	-6.24e-04	0.0	0.0	52.2	0.13	-6.34	1.36e-03	6.06e-04	7.57e-06	-0.31
44	146	1.05	8.96e-06	-1.15e-04	-8.22	0.0	0.15	1.84	1.15e-03	5.01e-04	-5.27e-04	0.94
		-0.24	-5.27e-04	0.0	0.0	52.2	0.15	-6.37	1.15e-03	5.01e-04	8.96e-06	-0.24
44	149	1.04	9.28e-06	-1.06e-04	-6.81	0.0	0.16	1.41	6.67e-04	2.66e-04	-3.04e-04	0.97
		-0.07	-3.04e-04	0.0	0.0	52.2	0.16	-5.40	6.67e-04	2.66e-04	9.28e-06	-0.07

44	150	0.65	3.97e-06	-5.72e-05	-3.52	0.0	0.11	0.54	4.40e-04	1.75e-04	-2.03e-04	0.63
		-0.01	-2.03e-04	0.0	0.0	52.2	0.11	-2.98	4.40e-04	1.75e-04	3.97e-06	-0.01
44	151	0.87	6.49e-06	-9.34e-05	-6.81	0.0	0.12	1.47	1.08e-03	4.77e-04	-4.98e-04	0.78
		-0.22	-4.98e-04	0.0	0.0	52.2	0.12	-5.33	1.08e-03	4.77e-04	6.49e-06	-0.22
44	154	0.87	6.69e-06	-9.07e-05	-6.34	0.0	0.13	1.33	9.06e-04	3.91e-04	-4.17e-04	0.80
		-0.16	-4.17e-04	0.0	0.0	52.2	0.13	-5.01	9.06e-04	3.91e-04	6.69e-06	-0.16
44	155	0.65	3.97e-06	-5.72e-05	-3.52	0.0	0.11	0.54	4.40e-04	1.75e-04	-2.03e-04	0.63
		-0.01	-2.03e-04	0.0	0.0	52.2	0.11	-2.98	4.40e-04	1.75e-04	3.97e-06	-0.01
44	156	0.83	6.13e-06	-8.82e-05	-6.34	0.0	0.12	1.34	9.89e-04	4.33e-04	-4.56e-04	0.76
		-0.19	-4.56e-04	0.0	0.0	52.2	0.12	-5.00	9.89e-04	4.33e-04	6.13e-06	-0.19
45	3	2.31	-1.80e-04	-1.91e-04	-11.93	0.0	-0.30	4.75	-1.13e-03	1.13e-03	-1.80e-04	1.82
		1.18	-8.61e-04	0.0	0.0	52.2	-0.30	-7.19	-1.13e-03	1.13e-03	-8.61e-04	1.18
45	4	2.42	-1.73e-04	-2.03e-04	-11.93	0.0	-0.24	4.83	-9.00e-04	9.82e-04	-1.73e-04	1.91
		1.32	-7.23e-04	0.0	0.0	52.2	-0.24	-7.10	-9.00e-04	9.82e-04	-7.23e-04	1.32
45	5	0.89	-6.39e-05	-6.80e-05	-3.20	0.0	-0.04	1.30	-1.85e-04	2.48e-04	-6.39e-05	0.75
		0.60	-1.81e-04	0.0	0.0	52.2	-0.04	-1.90	-1.85e-04	2.48e-04	-1.81e-04	0.60
45	12	1.12	9.43e-05	-9.32e-05	-3.20	0.0	0.08	1.48	2.77e-04	-4.83e-05	-5.12e-05	0.94
		0.87	-5.12e-05	0.0	0.0	52.2	0.08	-1.73	2.77e-04	-4.83e-05	9.43e-05	0.87
45	15	-0.78	-4.68e-03	-3.87e-04	-6.34	0.0	-0.17	0.65	-0.11	0.06	-4.68e-03	-0.80
		-2.11	-0.06	6.01e-04	0.0	52.2	-0.17	-5.69	-0.11	0.06	-0.06	-2.11
45	18	3.78	0.06	1.68e-04	-6.34	0.0	-0.10	4.41	0.11	-0.06	4.47e-03	2.98
		2.98	4.47e-03	-6.01e-04	0.0	52.2	-0.10	-1.92	0.11	-0.06	0.06	3.63
45	23	-0.94	-4.71e-03	-4.65e-04	-6.34	0.0	1.44	0.42	-0.07	0.06	-4.71e-03	-0.95
		-2.38	-0.04	6.66e-04	0.0	52.2	1.44	-5.92	-0.07	0.06	-0.04	-2.38
45	26	4.02	0.04	2.47e-04	-6.34	0.0	-1.72	4.65	0.07	-0.06	4.51e-03	3.13
		3.13	4.51e-03	-6.66e-04	0.0	52.2	-1.72	-1.69	0.07	-0.06	0.04	3.90
45	35	-0.49	-7.98e-04	-2.66e-04	-6.34	0.0	1.81	0.52	-0.04	8.79e-03	-7.98e-04	-0.50
		-1.88	-0.02	2.32e-04	0.0	52.2	1.81	-5.82	-0.04	8.79e-03	-0.02	-1.88
45	38	3.54	0.02	4.73e-05	-6.34	0.0	-2.08	4.55	0.04	-7.65e-03	5.92e-04	2.69
		2.69	5.92e-04	-2.31e-04	0.0	52.2	-2.08	-1.79	0.04	-7.65e-03	0.02	3.41
45	47	-0.60	-4.19e-03	-3.92e-04	-6.34	0.0	-0.20	0.81	-0.10	0.05	-4.19e-03	-0.63
		-1.86	-0.05	5.15e-04	0.0	52.2	-0.20	-5.53	-0.10	0.05	-0.05	-1.86
45	50	3.56	0.05	1.73e-04	-6.34	0.0	-0.08	4.26	0.10	-0.05	3.98e-03	2.82
		2.82	3.98e-03	-5.15e-04	0.0	52.2	-0.08	-2.08	0.10	-0.05	0.05	3.38
45	55	-0.69	-4.02e-03	-4.62e-04	-6.34	0.0	1.45	0.66	-0.07	0.06	-4.02e-03	-0.71
		-2.01	-0.04	5.37e-04	0.0	52.2	1.45	-5.68	-0.07	0.06	-0.04	-2.01
45	58	3.69	0.04	2.43e-04	-6.34	0.0	-1.72	4.41	0.07	-0.05	3.81e-03	2.89
		2.89	3.81e-03	-5.37e-04	0.0	52.2	-1.72	-1.93	0.07	-0.05	0.04	3.53
45	67	-0.45	-5.21e-04	-2.67e-04	-6.34	0.0	1.86	0.54	-0.04	5.19e-03	-5.21e-04	-0.47
		-1.83	-0.02	2.06e-04	0.0	52.2	1.86	-5.79	-0.04	5.19e-03	-0.02	-1.83
45	70	3.49	0.02	4.82e-05	-6.34	0.0	-2.14	4.52	0.04	-4.04e-03	3.15e-04	2.65
		2.65	3.15e-04	-2.06e-04	0.0	52.2	-2.14	-1.81	0.04	-4.04e-03	0.02	3.35
45	79	-0.38	-3.68e-03	-3.61e-04	-6.34	0.0	-0.20	1.01	-0.09	0.05	-3.68e-03	-0.42
		-1.55	-0.05	4.48e-04	0.0	52.2	-0.20	-5.32	-0.09	0.05	-0.05	-1.55
45	82	3.28	0.05	1.42e-04	-6.34	0.0	-0.08	4.05	0.09	-0.05	3.48e-03	2.61
		2.61	3.48e-03	-4.48e-04	0.0	52.2	-0.08	-2.29	0.09	-0.05	0.05	3.07
45	87	-0.45	-3.52e-03	-4.23e-04	-6.34	0.0	1.27	0.89	-0.06	0.05	-3.52e-03	-0.49
		-1.67	-0.03	4.65e-04	0.0	52.2	1.27	-5.45	-0.06	0.05	-0.03	-1.67
45	90	3.38	0.03	2.05e-04	-6.34	0.0	-1.55	4.18	0.06	-0.05	3.32e-03	2.67
		2.67	3.32e-03	-4.65e-04	0.0	52.2	-1.55	-2.16	0.06	-0.05	0.03	3.19
45	99	-0.27	-4.48e-04	-2.50e-04	-6.34	0.0	1.65	0.77	-0.03	4.33e-03	-4.48e-04	-0.29
		-1.54	-0.02	1.81e-04	0.0	52.2	1.65	-5.57	-0.03	4.33e-03	-0.02	-1.54
45	102	3.23	0.02	3.12e-05	-6.34	0.0	-1.92	4.30	0.03	-3.19e-03	2.42e-04	2.48
		2.48	2.42e-04	-1.81e-04	0.0	52.2	-1.92	-2.04	0.03	-3.19e-03	0.02	3.06
45	111	-1.21	-5.74e-03	-4.37e-04	-6.34	0.0	-0.17	0.24	-0.13	0.07	-5.74e-03	-1.21
		-2.74	-0.07	7.47e-04	0.0	52.2	-0.17	-6.10	-0.13	0.07	-0.07	-2.74
45	114	4.36	0.07	2.18e-04	-6.34	0.0	-0.10	4.83	0.13	-0.07	5.54e-03	3.40
		3.40	5.54e-03	-7.47e-04	0.0	52.2	-0.10	-1.51	0.13	-0.07	0.07	4.26
45	119	-1.44	-5.90e-03	-5.37e-04	-6.34	0.0	1.74	-0.09	-0.09	0.08	-5.90e-03	-1.44
		-3.14	-0.05	8.47e-04	0.0	52.2	1.74	-6.43	-0.09	0.08	-0.05	-3.14
45	122	4.72	0.05	3.18e-04	-6.34	0.0	-2.02	5.16	0.09	-0.08	5.69e-03	3.63
		3.63	5.69e-03	-8.46e-04	0.0	52.2	-2.02	-1.18	0.09	-0.08	0.05	4.66
45	131	-0.82	-1.05e-03	-2.96e-04	-6.34	0.0	2.14	0.14	-0.04	0.01	-1.05e-03	-0.82
		-2.39	-0.02	2.86e-04	0.0	52.2	2.14	-6.20	-0.04	0.01	-0.02	-2.39
45	134	4.00	0.02	7.71e-05	-6.34	0.0	-2.42	4.93	0.04	-0.01	8.46e-04	3.00
		3.00	8.46e-04	-2.86e-04	0.0	52.2	-2.42	-1.41	0.04	-0.01	0.02	3.92
45	143	0.95	-6.71e-05	-7.34e-05	-3.52	0.0	-0.04	1.43	-1.98e-04	2.66e-04	-6.71e-05	0.80
		0.63	-1.93e-04	0.0	0.0	52.2	-0.04	-2.09	-1.98e-04	2.66e-04	-1.93e-04	0.63
45	145	1.63	-1.27e-04	-1.33e-04	-8.22	0.0	-0.20	3.27	-7.72e-04	7.77e-04	-1.27e-04	1.29
		0.85	-5.92e-04	0.0	0.0	52.2	-0.20	-4.95	-7.72e-04	7.77e-04	-5.92e-04	0.85
45	146	1.70	-1.22e-04	-1.42e-04	-8.22	0.0	-0.16	3.33	-6.18e-04	6.78e-04	-1.22e-04	1.35
		0.94	-5.00e-04	0.0	0.0	52.2	-0.16	-4.89	-6.18e-04	6.78e-04	-5.00e-04	0.94
45	147	1.10	-8.89e-06	-9.02e-05	-3.52	0.0	0.13	1.55	1.10e-04	6.81e-05	-5.87e-05	0.92
		0.81	-5.87e-05	0.0	0.0	52.2	0.13	-1.97	1.10e-04	6.81e-05	-8.89e-06	0.81
45	150	0.95	-6.71e-05	-7.34e-05	-3.52	0.0	-0.04	1.43	-1.98e-04	2.66e-04	-6.71e-05	0.80

45	151	0.63	-1.93e-04	0.0	0.0	52.2	-0.04	-2.09	-1.98e-04	2.66e-04	-1.93e-04	0.63
		1.42	-1.09e-04	-1.15e-04	-6.81	0.0	-0.15	2.72	-6.00e-04	6.24e-04	-1.09e-04	1.14
		0.78	-4.72e-04	0.0	0.0	52.2	-0.15	-4.09	-6.00e-04	6.24e-04	-4.72e-04	0.78
45	152	0.98	-6.55e-05	-7.68e-05	-3.52	0.0	-0.03	1.46	-1.36e-04	2.26e-04	-6.55e-05	0.82
		0.66	-1.56e-04	0.0	0.0	52.2	-0.03	-2.06	-1.36e-04	2.26e-04	-1.56e-04	0.66
45	155	0.95	-6.71e-05	-7.34e-05	-3.52	0.0	-0.04	1.43	-1.98e-04	2.66e-04	-6.71e-05	0.80
		0.63	-1.93e-04	0.0	0.0	52.2	-0.04	-2.09	-1.98e-04	2.66e-04	-1.93e-04	0.63
45	156	1.36	-1.03e-04	-1.09e-04	-6.34	0.0	-0.14	2.53	-5.42e-04	5.73e-04	-1.03e-04	1.09
		0.76	-4.32e-04	0.0	0.0	52.2	-0.14	-3.80	-5.42e-04	5.73e-04	-4.32e-04	0.76
46	3	2.12	-1.21e-04	-2.44e-04	-11.93	0.0	-0.89	8.20	4.14e-04	1.74e-03	-1.67e-04	0.65
		0.65	-1.67e-04	0.0	0.0	52.2	-0.89	-3.73	4.14e-04	1.74e-03	-1.21e-04	1.82
46	4	2.18	-1.21e-04	-2.59e-04	-11.93	0.0	-0.87	8.39	4.49e-04	1.61e-03	-1.97e-04	0.64
		0.64	-1.97e-04	0.0	0.0	52.2	-0.87	-3.54	4.49e-04	1.61e-03	-1.21e-04	1.91
46	11	1.96	-1.05e-04	-2.39e-04	-9.82	0.0	-0.70	7.26	4.37e-04	1.15e-03	-2.18e-04	0.56
		0.56	-2.18e-04	0.0	0.0	52.2	-0.70	-2.56	4.37e-04	1.15e-03	-1.05e-04	1.78
46	12	0.95	-4.90e-05	-1.17e-04	-3.20	0.0	-0.23	2.90	2.48e-04	1.89e-04	-1.57e-04	0.26
		0.26	-1.57e-04	0.0	0.0	52.2	-0.23	-0.30	2.48e-04	1.89e-04	-4.90e-05	0.94
46	23	-0.70	3.42e-03	-1.37e-04	-6.34	0.0	1.85	3.84	0.01	0.07	3.36e-03	-1.32
		-1.32	3.36e-03	6.70e-04	0.0	52.2	1.85	-2.49	0.01	0.07	3.42e-03	-0.95
46	24	-0.12	4.07e-03	-1.04e-04	-6.34	0.0	0.68	4.25	0.01	0.07	2.72e-03	-0.88
		-0.88	2.72e-03	6.39e-04	0.0	52.2	0.68	-2.08	0.01	0.07	4.07e-03	-0.30
46	25	2.59	-2.95e-03	-1.77e-04	-6.34	0.0	-1.65	4.76	-0.01	-0.07	-2.95e-03	1.66
		1.66	-4.21e-03	-6.38e-04	0.0	52.2	-1.65	-1.58	-0.01	-0.07	-4.21e-03	2.49
46	26	3.19	-3.57e-03	-1.44e-04	-6.34	0.0	-2.82	5.17	-0.01	-0.06	-3.59e-03	2.11
		2.11	-3.59e-03	-6.70e-04	0.0	52.2	-2.82	-1.17	-0.01	-0.06	-3.57e-03	3.13
46	35	-0.23	1.90e-03	-1.89e-04	-6.34	0.0	1.99	3.68	1.83e-04	9.53e-03	1.90e-03	-0.80
		-0.80	-1.79e-06	2.49e-04	0.0	52.2	1.99	-2.65	1.83e-04	9.53e-03	-1.79e-06	-0.50
46	38	2.74	-1.43e-04	-9.22e-05	-6.34	0.0	-2.95	5.33	3.21e-04	-7.70e-03	-2.12e-03	1.59
		1.59	-2.12e-03	-2.49e-04	0.0	52.2	-2.95	-1.01	3.21e-04	-7.70e-03	-1.43e-04	2.69
46	55	-0.47	3.55e-03	-1.29e-04	-6.34	0.0	1.68	3.90	0.01	0.06	3.55e-03	-1.12
		-1.12	3.31e-03	5.41e-04	0.0	52.2	1.68	-2.44	0.01	0.06	3.31e-03	-0.71
46	56	0.13	4.01e-03	-9.54e-05	-6.34	0.0	0.47	4.33	0.01	0.07	2.84e-03	-0.65
		-0.65	2.84e-03	5.00e-04	0.0	52.2	0.47	-2.01	0.01	0.07	4.01e-03	-0.03
46	57	2.34	-3.07e-03	-1.85e-04	-6.34	0.0	-1.44	4.69	-0.01	-0.06	-3.07e-03	1.44
		1.44	-4.16e-03	-5.00e-04	0.0	52.2	-1.44	-1.65	-0.01	-0.06	-4.16e-03	2.22
46	58	2.96	-3.45e-03	-1.52e-04	-6.34	0.0	-2.64	5.11	-0.01	-0.06	-3.77e-03	1.91
		1.91	-3.77e-03	-5.41e-04	0.0	52.2	-2.64	-1.22	-0.01	-0.06	-3.45e-03	2.89
46	67	-0.19	2.05e-03	-1.88e-04	-6.34	0.0	2.00	3.68	-1.76e-04	5.78e-03	2.05e-03	-0.77
		-0.77	-1.28e-04	2.25e-04	0.0	52.2	2.00	-2.66	-1.76e-04	5.78e-03	-1.28e-04	-0.47
46	70	2.70	-1.73e-05	-9.24e-05	-6.34	0.0	-2.96	5.34	6.80e-04	-3.95e-03	-2.28e-03	1.56
		1.56	-2.28e-03	-2.25e-04	0.0	52.2	-2.96	-1.00	6.80e-04	-3.95e-03	-1.73e-05	2.65
46	87	-0.27	3.16e-03	-1.30e-04	-6.34	0.0	1.43	3.97	0.01	0.05	3.16e-03	-0.93
		-0.93	2.93e-03	4.69e-04	0.0	52.2	1.43	-2.36	0.01	0.05	2.93e-03	-0.49
46	88	0.27	3.56e-03	-9.95e-05	-6.34	0.0	0.35	4.35	0.01	0.06	2.53e-03	-0.52
		-0.52	2.53e-03	4.31e-04	0.0	52.2	0.35	-1.98	0.01	0.06	3.56e-03	0.11
46	89	2.19	-2.75e-03	-1.81e-04	-6.34	0.0	-1.31	4.66	-0.01	-0.06	-2.75e-03	1.30
		1.30	-3.71e-03	-4.31e-04	0.0	52.2	-1.31	-1.68	-0.01	-0.06	-3.71e-03	2.07
46	90	2.75	-3.07e-03	-1.51e-04	-6.34	0.0	-2.39	5.04	-0.01	-0.05	-3.39e-03	1.72
		1.72	-3.39e-03	-4.69e-04	0.0	52.2	-2.39	-1.30	-0.01	-0.05	-3.07e-03	2.67
46	99	-0.03	1.83e-03	-1.83e-04	-6.34	0.0	1.73	3.77	-1.67e-04	4.88e-03	1.83e-03	-0.64
		-0.64	-1.34e-04	1.97e-04	0.0	52.2	1.73	-2.57	-1.67e-04	4.88e-03	-1.34e-04	-0.29
46	102	2.53	-1.10e-05	-9.77e-05	-6.34	0.0	-2.69	5.24	6.70e-04	-3.05e-03	-2.06e-03	1.43
		1.43	-2.06e-03	-1.97e-04	0.0	52.2	-2.69	-1.09	6.70e-04	-3.05e-03	-1.10e-05	2.48
46	119	-1.17	4.16e-03	-1.39e-04	-6.34	0.0	2.37	3.69	0.01	0.08	3.94e-03	-1.74
		-1.74	3.94e-03	8.51e-04	0.0	52.2	2.37	-2.64	0.01	0.08	4.16e-03	-1.44
46	120	-0.50	4.90e-03	-1.01e-04	-6.34	0.0	1.01	4.17	0.02	0.09	3.21e-03	-1.22
		-1.22	3.21e-03	8.18e-04	0.0	52.2	1.01	-2.16	0.02	0.09	4.90e-03	-0.69
46	121	2.97	-3.44e-03	-1.80e-04	-6.34	0.0	-1.98	4.84	-0.02	-0.09	-3.44e-03	2.01
		2.01	-5.04e-03	-8.18e-04	0.0	52.2	-1.98	-1.50	-0.02	-0.09	-5.04e-03	2.87
46	122	3.67	-4.17e-03	-1.42e-04	-6.34	0.0	-3.33	5.32	-0.01	-0.08	-4.17e-03	2.53
		2.53	-4.30e-03	-8.51e-04	0.0	52.2	-3.33	-1.02	-0.01	-0.08	-4.30e-03	3.63
46	131	-0.51	2.21e-03	-1.98e-04	-6.34	0.0	2.43	3.54	3.31e-04	0.01	2.21e-03	-1.04
		-1.04	7.03e-05	3.05e-04	0.0	52.2	2.43	-2.80	3.31e-04	0.01	7.03e-05	-0.82
46	134	3.04	-2.16e-04	-8.33e-05	-6.34	0.0	-3.40	5.48	1.73e-04	-0.01	-2.44e-03	1.83
		1.83	-2.44e-03	-3.05e-04	0.0	52.2	-3.40	-0.86	1.73e-04	-0.01	-2.16e-04	3.00
46	145	1.49	-8.63e-05	-1.71e-04	-8.22	0.0	-0.62	5.69	2.94e-04	1.20e-03	-1.22e-04	0.46
		0.46	-1.22e-04	0.0	0.0	52.2	-0.62	-2.53	2.94e-04	1.20e-03	-8.63e-05	1.29
46	146	1.53	-8.61e-05	-1.81e-04	-8.22	0.0	-0.60	5.82	3.17e-04	1.11e-03	-1.42e-04	0.46
		0.46	-1.42e-04	0.0	0.0	52.2	-0.60	-2.40	3.17e-04	1.11e-03	-8.61e-05	1.35
46	147	0.94	-5.15e-05	-1.14e-04	-3.52	0.0	-0.26	2.99	2.35e-04	3.09e-04	-1.42e-04	0.28
		0.28	-1.42e-04	0.0	0.0	52.2	-0.26	-0.53	2.35e-04	3.09e-04	-5.15e-05	0.92
46	149	1.38	-7.55e-05	-1.68e-04	-6.81	0.0	-0.49	5.06	3.09e-04	8.11e-04	-1.56e-04	0.40
		0.40	-1.56e-04	0.0	0.0	52.2	-0.49	-1.75	3.09e-04	8.11e-04	-7.55e-05	1.27
46	151	1.30	-7.60e-05	-1.48e-04	-6.81	0.0	-0.52	4.80	2.62e-04	9.86e-04	-1.16e-04	0.41
		0.41	-1.16e-04	0.0	0.0	52.2	-0.52	-2.00	2.62e-04	9.86e-04	-7.60e-05	1.14

46	152	0.86	-5.19e-05	-9.86e-05	-3.52	0.0	-0.28	2.79	1.98e-04	4.50e-04	-1.10e-04	0.29
		0.29	-1.10e-04	0.0	0.0	52.2	-0.28	-0.73	1.98e-04	4.50e-04	-5.19e-05	0.82
46	154	1.25	-7.25e-05	-1.44e-04	-6.34	0.0	-0.48	4.56	2.61e-04	8.80e-04	-1.22e-04	0.39
		0.39	-1.22e-04	0.0	0.0	52.2	-0.48	-1.78	2.61e-04	8.80e-04	-7.25e-05	1.12
46	155	0.84	-5.20e-05	-9.47e-05	-3.52	0.0	-0.28	2.74	1.88e-04	4.85e-04	-1.02e-04	0.29
		0.29	-1.02e-04	0.0	0.0	52.2	-0.28	-0.78	1.88e-04	4.85e-04	-5.20e-05	0.80
46	156	1.23	-7.26e-05	-1.40e-04	-6.34	0.0	-0.48	4.51	2.52e-04	9.15e-04	-1.14e-04	0.39
		0.39	-1.14e-04	0.0	0.0	52.2	-0.48	-1.83	2.52e-04	9.15e-04	-7.26e-05	1.09
47	3	0.67	4.04e-05	-2.81e-04	-11.93	0.0	-1.07	10.90	0.03	2.03e-03	-0.02	-1.92
		-1.92	-0.02	0.0	0.0	52.2	-1.07	-1.03	0.03	2.03e-03	4.04e-05	0.65
47	4	0.66	4.98e-06	-2.97e-04	-11.93	0.0	-1.03	11.20	0.03	1.92e-03	-0.02	-2.09
		-2.09	-0.02	0.0	0.0	52.2	-1.03	-0.74	0.03	1.92e-03	4.98e-06	0.64
47	7	0.57	5.05e-05	-2.33e-04	-10.25	0.0	-0.93	9.20	0.03	1.77e-03	-0.01	-1.58
		-1.58	-0.01	0.0	0.0	52.2	-0.93	-1.05	0.03	1.77e-03	5.05e-05	0.54
47	12	0.26	-1.02e-04	-1.34e-04	-3.20	0.0	-0.21	4.06	0.01	3.02e-04	-6.92e-03	-1.02
		-1.02	-6.92e-03	0.0	0.0	52.2	-0.21	0.85	0.01	3.02e-04	-1.02e-04	0.26
47	15	-1.23	0.01	-2.89e-04	-6.34	0.0	2.49	8.02	0.30	0.07	-0.14	-3.79
		-3.79	-0.14	6.08e-04	0.0	52.2	2.49	1.68	0.30	0.07	0.01	-1.23
47	18	2.24	0.12	-3.46e-05	-6.34	0.0	-3.63	4.07	-0.26	-0.07	0.12	1.58
		1.58	-0.01	-6.08e-04	0.0	52.2	-3.63	-2.27	-0.26	-0.07	-0.01	2.02
47	23	-1.32	0.01	-2.74e-04	-6.34	0.0	3.59	7.89	0.28	0.08	-0.14	-3.81
		-3.81	-0.14	6.72e-04	0.0	52.2	3.59	1.55	0.28	0.08	0.01	-1.32
47	26	2.31	0.12	-4.94e-05	-6.34	0.0	-4.73	4.20	-0.24	-0.07	0.12	1.59
		1.59	-0.01	-6.71e-04	0.0	52.2	-4.73	-2.13	-0.24	-0.07	-0.01	2.11
47	47	-1.09	9.09e-03	-2.67e-04	-6.34	0.0	2.25	7.72	0.26	0.06	-0.12	-3.49
		-3.49	-0.12	5.23e-04	0.0	52.2	2.25	1.38	0.26	0.06	9.09e-03	-1.09
47	50	2.05	0.11	-5.64e-05	-6.34	0.0	-3.39	4.37	-0.22	-0.06	0.11	1.28
		1.28	-9.09e-03	-5.23e-04	0.0	52.2	-3.39	-1.96	-0.22	-0.06	-9.09e-03	1.88
47	67	-0.77	1.84e-03	-2.37e-04	-6.34	0.0	3.51	6.26	0.11	8.12e-03	-0.05	-2.55
		-2.55	-0.05	2.37e-04	0.0	52.2	3.51	-0.07	0.11	8.12e-03	1.84e-03	-0.77
47	70	1.58	0.03	-8.67e-05	-6.34	0.0	-4.65	5.83	-0.07	-5.99e-03	0.03	0.33
		0.33	-1.84e-03	-2.37e-04	0.0	52.2	-4.65	-0.51	-0.07	-5.99e-03	-1.84e-03	1.56
47	79	-0.91	7.90e-03	-2.53e-04	-6.34	0.0	1.91	7.50	0.23	0.06	-0.11	-3.20
		-3.20	-0.11	4.55e-04	0.0	52.2	1.91	1.16	0.23	0.06	7.90e-03	-0.91
47	82	1.83	0.09	-7.07e-05	-6.34	0.0	-3.05	4.59	-0.19	-0.05	0.09	0.98
		0.98	-7.90e-03	-4.55e-04	0.0	52.2	-3.05	-1.75	-0.19	-0.05	-7.90e-03	1.70
47	90	1.83	0.08	-9.45e-05	-6.34	0.0	-3.86	4.77	-0.17	-0.05	0.08	0.91
		0.91	-7.35e-03	-4.69e-04	0.0	52.2	-3.86	-1.57	-0.17	-0.05	-7.35e-03	1.72
47	99	-0.64	1.58e-03	-2.28e-04	-6.34	0.0	3.05	6.23	0.10	6.91e-03	-0.05	-2.38
		-2.38	-0.05	2.08e-04	0.0	52.2	3.05	-0.11	0.10	6.91e-03	1.58e-03	-0.64
47	102	1.45	0.03	-9.58e-05	-6.34	0.0	-4.19	5.87	-0.06	-4.78e-03	0.03	0.17
		0.17	-1.57e-03	-2.08e-04	0.0	52.2	-4.19	-0.47	-0.06	-4.78e-03	-1.57e-03	1.43
47	111	-1.60	0.01	-3.21e-04	-6.34	0.0	3.15	8.51	0.36	0.09	-0.18	-4.42
		-4.42	-0.18	7.55e-04	0.0	52.2	3.15	2.17	0.36	0.09	0.01	-1.60
47	114	2.71	0.16	-1.23e-05	-6.34	0.0	-4.29	3.58	-0.32	-0.09	0.16	2.20
		2.20	-0.01	-7.55e-04	0.0	52.2	-4.29	-2.75	-0.32	-0.09	-0.01	2.38
47	119	-1.74	0.01	-3.09e-04	-6.34	0.0	4.55	8.39	0.35	0.09	-0.17	-4.50
		-4.50	-0.17	8.53e-04	0.0	52.2	4.55	2.06	0.35	0.09	0.01	-1.74
47	122	2.83	0.15	-1.98e-05	-6.34	0.0	-5.70	3.70	-0.31	-0.09	0.15	2.28
		2.28	-0.01	-8.53e-04	0.0	52.2	-5.70	-2.64	-0.31	-0.09	-0.01	2.53
47	145	0.48	2.29e-05	-1.97e-04	-8.22	0.0	-0.74	7.58	0.02	1.40e-03	-0.01	-1.35
		-1.35	-0.01	0.0	0.0	52.2	-0.74	-0.64	0.02	1.40e-03	2.29e-05	0.48
47	146	0.47	0.0	-2.07e-04	-8.22	0.0	-0.71	7.77	0.02	1.32e-03	-0.01	-1.45
		-1.45	-0.01	0.0	0.0	52.2	-0.71	-0.44	0.02	1.32e-03	0.0	0.46
47	147	0.28	-7.88e-05	-1.30e-04	-3.52	0.0	-0.26	4.15	0.01	4.18e-04	-7.09e-03	-0.97
		-0.97	-7.09e-03	0.0	0.0	52.2	-0.26	0.63	0.01	4.18e-04	-7.88e-05	0.28
47	151	0.42	6.56e-06	-1.70e-04	-6.81	0.0	-0.61	6.43	0.02	1.15e-03	-0.01	-1.17
		-1.17	-0.01	0.0	0.0	52.2	-0.61	-0.38	0.02	1.15e-03	6.56e-06	0.41
47	152	0.29	-4.10e-05	-1.13e-04	-3.52	0.0	-0.30	3.83	0.01	5.33e-04	-6.74e-03	-0.80
		-0.80	-6.74e-03	0.0	0.0	52.2	-0.30	0.31	0.01	5.33e-04	-4.10e-05	0.29
47	155	0.29	-3.16e-05	-1.09e-04	-3.52	0.0	-0.32	3.75	0.01	5.62e-04	-6.65e-03	-0.75
		-0.75	-6.65e-03	0.0	0.0	52.2	-0.32	0.23	0.01	5.62e-04	-3.16e-05	0.29
47	156	0.40	1.11e-06	-1.62e-04	-6.34	0.0	-0.57	6.05	0.02	1.06e-03	-9.79e-03	-1.11
		-1.11	-9.79e-03	0.0	0.0	52.2	-0.57	-0.29	0.02	1.06e-03	1.11e-06	0.39
48	3	-1.92	-0.02	-3.16e-04	-13.26	0.0	-0.98	13.02	0.02	-1.51e-03	-0.03	-5.63
		-5.63	-0.03	2.04e-06	0.0	58.0	-0.98	-0.24	0.02	-1.51e-03	-0.02	-1.92
48	4	-2.09	-0.02	-3.33e-04	-13.26	0.0	-0.93	13.35	6.69e-03	-1.11e-03	-0.02	-5.99
		-5.99	-0.02	2.08e-06	0.0	58.0	-0.93	0.09	6.69e-03	-1.11e-03	-0.02	-2.09
48	5	-0.69	-1.47e-03	-1.13e-04	-3.56	0.0	-0.24	4.07	-8.45e-03	-2.99e-04	-1.47e-03	-2.02
		-2.02	-6.24e-03	0.0	0.0	58.0	-0.24	0.51	-8.45e-03	-2.99e-04	-6.24e-03	-0.69
48	12	-1.02	0.01	-1.47e-04	-3.56	0.0	-0.16	4.74	-0.03	4.87e-04	0.01	-2.73
		-2.73	-6.99e-03	0.0	0.0	58.0	-0.16	1.18	-0.03	4.87e-04	-6.99e-03	-1.02
48	15	-3.79	-0.09	-3.58e-04	-7.04	0.0	3.94	13.70	2.85	-0.11	-1.75	-9.67
		-9.67	-1.75	6.93e-04	0.0	58.0	3.94	6.66	2.85	-0.11	-0.09	-3.79
48	18	3.22	1.73	-1.62e-05	-7.04	0.0	-4.95	0.68	-2.84	0.10	1.73	3.20

48	23	1.58	0.07	-6.90e-04	0.0	58.0	-4.95	-6.36	-2.84	0.10	0.07	1.58
		-3.81	-0.08	-3.55e-04	-7.04	0.0	4.92	13.37	2.76	-0.09	-1.69	-9.49
		-9.49	-1.69	7.61e-04	0.0	58.0	4.92	6.33	2.76	-0.09	-0.08	-3.81
48	26	3.06	1.67	-1.80e-05	-7.04	0.0	-5.93	1.01	-2.76	0.09	1.67	3.02
		1.59	0.06	-7.58e-04	0.0	58.0	-5.93	-6.03	-2.76	0.09	0.06	1.59
48	47	-3.49	-0.08	-3.34e-04	-7.04	0.0	3.49	12.79	2.47	-0.10	-1.52	-8.83
		-8.83	-1.52	5.95e-04	0.0	58.0	3.49	5.75	2.47	-0.10	-0.08	-3.49
48	50	2.47	1.49	-3.10e-05	-7.04	0.0	-4.50	1.59	-2.46	0.10	1.49	2.36
		1.28	0.06	-5.93e-04	0.0	58.0	-4.50	-5.45	-2.46	0.10	0.06	1.28
48	55	-3.41	-0.07	-3.21e-04	-7.04	0.0	4.24	12.23	2.27	-0.09	-1.39	-8.42
		-8.42	-1.39	6.13e-04	0.0	58.0	4.24	5.19	2.27	-0.09	-0.07	-3.41
48	58	2.15	1.37	-4.17e-05	-7.04	0.0	-5.25	2.15	-2.27	0.09	1.37	1.94
		1.20	0.05	-6.11e-04	0.0	58.0	-5.25	-4.89	-2.27	0.09	0.05	1.20
48	79	-3.20	-0.07	-3.15e-04	-7.04	0.0	2.99	12.07	2.15	-0.09	-1.32	-8.12
		-8.12	-1.32	5.18e-04	0.0	58.0	2.99	5.03	2.15	-0.09	-0.07	-3.20
48	82	1.88	1.30	-4.78e-05	-7.04	0.0	-4.00	2.31	-2.14	0.09	1.30	1.65
		0.98	0.05	-5.16e-04	0.0	58.0	-4.00	-4.73	-2.14	0.09	0.05	0.98
48	87	-3.12	-0.06	-3.03e-04	-7.04	0.0	3.65	11.56	1.97	-0.08	-1.21	-7.74
		-7.74	-1.21	5.31e-04	0.0	58.0	3.65	4.52	1.97	-0.08	-0.06	-3.12
48	90	1.61	1.19	-6.00e-05	-7.04	0.0	-4.66	2.82	-1.97	0.08	1.19	1.27
		0.91	0.04	-5.29e-04	0.0	58.0	-4.66	-4.22	-1.97	0.08	0.04	0.91
48	111	-4.42	-0.11	-4.01e-04	-7.04	0.0	4.94	15.28	3.53	-0.13	-2.17	-11.20
		-11.20	-2.17	8.59e-04	0.0	58.0	4.94	8.24	3.53	-0.13	-0.11	-4.42
48	114	4.73	2.14	3.82e-05	-7.04	0.0	-5.95	-0.90	-3.53	0.12	2.14	4.73
		2.20	0.09	-8.57e-04	0.0	58.0	-5.95	-7.94	-3.53	0.12	0.09	2.20
48	119	-4.50	-0.10	-4.02e-04	-7.04	0.0	6.24	15.03	3.50	-0.11	-2.14	-11.13
		-11.13	-2.14	9.66e-04	0.0	58.0	6.24	7.99	3.50	-0.11	-0.10	-4.50
48	122	4.66	2.12	3.91e-05	-7.04	0.0	-7.25	-0.65	-3.49	0.11	2.12	4.66
		2.28	0.08	-9.64e-04	0.0	58.0	-7.25	-7.69	-3.49	0.11	0.08	2.28
48	143	-0.75	-1.85e-03	-1.21e-04	-3.91	0.0	-0.26	4.42	-8.45e-03	-3.05e-04	-1.85e-03	-2.18
		-2.18	-6.62e-03	0.0	0.0	58.0	-0.26	0.51	-8.45e-03	-3.05e-04	-6.62e-03	-0.75
48	145	-1.35	-0.01	-2.21e-04	-9.13	0.0	-0.67	9.04	0.01	-1.04e-03	-0.01	-3.94
		-3.94	-0.02	1.44e-06	0.0	58.0	-0.67	-0.09	0.01	-1.04e-03	-0.01	-1.35
48	146	-1.45	-0.01	-2.33e-04	-9.13	0.0	-0.64	9.26	3.33e-03	-7.79e-04	-0.01	-4.18
		-4.18	-0.01	1.46e-06	0.0	58.0	-0.64	0.13	3.33e-03	-7.79e-04	-0.01	-1.45
48	147	-0.97	6.46e-03	-1.44e-04	-3.91	0.0	-0.21	4.86	-0.02	2.19e-04	6.46e-03	-2.65
		-2.65	-7.12e-03	0.0	0.0	58.0	-0.21	0.95	-0.02	2.19e-04	-7.12e-03	-0.97
48	150	-0.75	-1.85e-03	-1.21e-04	-3.91	0.0	-0.26	4.42	-8.45e-03	-3.05e-04	-1.85e-03	-2.18
		-2.18	-6.62e-03	0.0	0.0	58.0	-0.26	0.51	-8.45e-03	-3.05e-04	-6.62e-03	-0.75
48	151	-1.17	-0.01	-1.91e-04	-7.56	0.0	-0.55	7.65	5.26e-03	-8.21e-04	-0.01	-3.41
		-3.41	-0.01	1.25e-06	0.0	58.0	-0.55	0.09	5.26e-03	-8.21e-04	-0.01	-1.17
48	152	-0.80	-1.85e-04	-1.26e-04	-3.91	0.0	-0.25	4.51	-0.01	-2.00e-04	-1.85e-04	-2.28
		-2.28	-6.72e-03	0.0	0.0	58.0	-0.25	0.60	-0.01	-2.00e-04	-6.72e-03	-0.80
48	155	-0.75	-1.85e-03	-1.21e-04	-3.91	0.0	-0.26	4.42	-8.45e-03	-3.05e-04	-1.85e-03	-2.18
		-2.18	-6.62e-03	0.0	0.0	58.0	-0.26	0.51	-8.45e-03	-3.05e-04	-6.62e-03	-0.75
48	156	-1.11	-9.67e-03	-1.81e-04	-7.04	0.0	-0.51	7.19	3.30e-03	-7.47e-04	-0.01	-3.24
		-3.24	-0.01	1.19e-06	0.0	58.0	-0.51	0.15	3.30e-03	-7.47e-04	-9.67e-03	-1.11
49	3	-4.81	-8.34e-03	-1.61e-04	-0.30	0.0	-0.74	-1.41	-0.04	-1.99e-03	-8.34e-03	-4.81
		-5.63	-0.03	4.61e-06	0.0	52.5	-0.74	-1.71	-0.04	-1.99e-03	-0.03	-5.63
49	4	-5.07	-6.49e-03	-1.69e-04	-0.30	0.0	-0.68	-1.58	-0.03	-2.01e-03	-6.49e-03	-5.07
		-5.99	-0.02	4.00e-06	0.0	52.5	-0.68	-1.88	-0.03	-2.01e-03	-0.02	-5.99
49	5	-1.72	3.07e-04	-5.71e-05	-0.23	0.0	-0.16	-0.47	-3.85e-03	-6.14e-04	3.07e-04	-1.72
		-2.02	-1.64e-03	0.0	0.0	52.5	-0.16	-0.70	-3.85e-03	-6.14e-04	-1.64e-03	-2.02
49	12	-2.24	0.01	-7.22e-05	-0.23	0.0	-0.05	-0.83	0.01	-6.58e-04	4.01e-03	-2.24
		-2.73	4.01e-03	0.0	0.0	52.5	-0.05	-1.06	0.01	-6.58e-04	0.01	-2.73
49	15	-2.54	-0.44	-1.47e-05	-0.23	0.0	7.11	-12.96	-2.02	-0.08	-0.44	-2.54
		-9.67	-1.50	8.00e-04	0.0	52.5	7.11	-13.19	-2.02	-0.08	-1.50	-9.67
49	18	3.20	1.47	-1.70e-04	-0.23	0.0	-7.85	11.37	1.99	0.07	0.44	-2.98
		-2.98	0.44	-7.95e-04	0.0	52.5	-7.85	11.14	1.99	0.07	1.47	3.20
49	23	-2.49	-0.39	-2.55e-05	-0.23	0.0	8.38	-12.29	-2.04	-0.07	-0.39	-2.49
		-9.49	-1.45	8.54e-04	0.0	52.5	8.38	-12.52	-2.04	-0.07	-1.45	-9.49
49	26	3.02	1.43	-1.59e-04	-0.23	0.0	-9.12	10.70	2.01	0.06	0.39	-3.03
		-3.03	0.39	-8.50e-04	0.0	52.5	-9.12	10.47	2.01	0.06	1.43	3.02
49	47	-2.53	-0.39	-2.81e-05	-0.23	0.0	6.29	-11.26	-1.75	-0.07	-0.39	-2.53
		-8.83	-1.30	6.86e-04	0.0	52.5	6.29	-11.49	-1.75	-0.07	-1.30	-8.83
49	50	2.36	1.27	-1.56e-04	-0.23	0.0	-7.04	9.68	1.72	0.07	0.38	-2.99
		-2.99	0.38	-6.82e-04	0.0	52.5	-7.04	9.45	1.72	0.07	1.27	2.36
49	55	-2.45	-0.33	-4.03e-05	-0.23	0.0	7.19	-10.18	-1.68	-0.07	-0.33	-2.45
		-8.42	-1.19	6.88e-04	0.0	52.5	7.19	-10.41	-1.68	-0.07	-1.19	-8.42
49	58	1.94	1.17	-1.44e-04	-0.23	0.0	-7.94	8.60	1.65	0.06	0.32	-3.07
		-3.07	0.32	-6.84e-04	0.0	52.5	-7.94	8.37	1.65	0.06	1.17	1.94
49	79	-2.55	-0.34	-3.68e-05	-0.23	0.0	5.46	-9.91	-1.53	-0.07	-0.34	-2.55
		-8.12	-1.13	5.97e-04	0.0	52.5	5.46	-10.14	-1.53	-0.07	-1.13	-8.12
49	82	1.65	1.11	-1.48e-04	-0.23	0.0	-6.21	8.32	1.50	0.06	0.33	-2.97
		-2.97	0.33	-5.93e-04	0.0	52.5	-6.21	8.09	1.50	0.06	1.11	1.65

49	87	-2.48	-0.29	-4.75e-05	-0.23	0.0	6.24	-8.94	-1.46	-0.06	-0.29	-2.48
		-7.74	-1.04	5.96e-04	0.0	52.5	6.24	-9.17	-1.46	-0.06	-1.04	-7.74
49	90	1.27	1.02	-1.37e-04	-0.23	0.0	-6.99	7.36	1.43	0.06	0.28	-3.04
		-3.04	0.28	-5.91e-04	0.0	52.5	-6.99	7.13	1.43	0.06	1.02	1.27
49	111	-2.50	-0.55	9.91e-06	-0.23	0.0	8.82	-15.90	-2.51	-0.09	-0.55	-2.50
		-11.20	-1.85	9.92e-04	0.0	52.5	8.82	-16.13	-2.51	-0.09	-1.85	-11.20
49	114	4.73	1.83	-1.90e-04	-0.23	0.0	-9.56	14.31	2.47	0.09	0.54	-3.02
		-3.02	0.54	-9.88e-04	0.0	52.5	-9.56	14.08	2.47	0.09	1.83	4.73
49	119	-2.46	-0.49	-6.51e-06	-0.23	0.0	10.54	-15.36	-2.58	-0.08	-0.49	-2.46
		-11.13	-1.83	1.09e-03	0.0	52.5	10.54	-15.59	-2.58	-0.08	-1.83	-11.13
49	122	4.66	1.81	-1.78e-04	-0.23	0.0	-11.28	13.78	2.55	0.08	0.49	-3.06
		-3.06	0.49	-1.08e-03	0.0	52.5	-11.28	13.55	2.55	0.08	1.81	4.66
49	143	-1.85	1.41e-04	-6.14e-05	-0.23	0.0	-0.18	-0.52	-4.26e-03	-6.64e-04	1.41e-04	-1.85
		-2.18	-2.02e-03	0.0	0.0	52.5	-0.18	-0.75	-4.26e-03	-6.64e-04	-2.02e-03	-2.18
49	145	-3.37	-5.43e-03	-1.13e-04	-0.23	0.0	-0.50	-0.97	-0.02	-1.38e-03	-5.43e-03	-3.37
		-3.94	-0.02	3.14e-06	0.0	52.5	-0.50	-1.20	-0.02	-1.38e-03	-0.02	-3.94
49	146	-3.54	-4.20e-03	-1.18e-04	-0.23	0.0	-0.47	-1.09	-0.02	-1.39e-03	-4.20e-03	-3.54
		-4.18	-0.01	2.74e-06	0.0	52.5	-0.47	-1.32	-0.02	-1.39e-03	-0.01	-4.18
49	147	-2.20	5.80e-03	-7.14e-05	-0.23	0.0	-0.11	-0.76	6.40e-03	-6.94e-04	2.61e-03	-2.20
		-2.65	2.61e-03	0.0	0.0	52.5	-0.11	-0.99	6.40e-03	-6.94e-04	5.80e-03	-2.65
49	150	-1.85	1.41e-04	-6.14e-05	-0.23	0.0	-0.18	-0.52	-4.26e-03	-6.64e-04	1.41e-04	-1.85
		-2.18	-2.02e-03	0.0	0.0	52.5	-0.18	-0.75	-4.26e-03	-6.64e-04	-2.02e-03	-2.18
49	151	-2.91	-3.76e-03	-9.73e-05	-0.23	0.0	-0.41	-0.84	-0.02	-1.16e-03	-3.76e-03	-2.91
		-3.41	-0.01	2.47e-06	0.0	52.5	-0.41	-1.07	-0.02	-1.16e-03	-0.01	-3.41
49	152	-1.92	6.35e-04	-6.34e-05	-0.23	0.0	-0.16	-0.57	-2.13e-03	-6.70e-04	6.35e-04	-1.92
		-2.28	-4.53e-04	0.0	0.0	52.5	-0.16	-0.80	-2.13e-03	-6.70e-04	-4.53e-04	-2.28
49	155	-1.85	1.41e-04	-6.14e-05	-0.23	0.0	-0.18	-0.52	-4.26e-03	-6.64e-04	1.41e-04	-1.85
		-2.18	-2.02e-03	0.0	0.0	52.5	-0.18	-0.75	-4.26e-03	-6.64e-04	-2.02e-03	-2.18
49	156	-2.76	-3.20e-03	-9.22e-05	-0.23	0.0	-0.37	-0.79	-0.02	-1.09e-03	-3.20e-03	-2.76
		-3.24	-0.01	2.25e-06	0.0	52.5	-0.37	-1.02	-0.02	-1.09e-03	-0.01	-3.24
50	3	-3.25	-3.26e-03	-1.06e-04	-0.30	0.0	-0.55	-2.84	-0.01	-1.57e-03	-3.26e-03	-3.25
		-4.81	-8.58e-03	5.32e-06	0.0	52.5	-0.55	-3.14	-0.01	-1.57e-03	-8.58e-03	-4.81
50	4	-3.40	-2.51e-03	-1.11e-04	-0.30	0.0	-0.51	-3.05	-8.42e-03	-1.61e-03	-2.51e-03	-3.40
		-5.07	-6.68e-03	4.55e-06	0.0	52.5	-0.51	-3.35	-8.42e-03	-1.61e-03	-6.68e-03	-5.07
50	5	-1.15	6.71e-04	-3.76e-05	-0.23	0.0	-0.11	-0.96	-7.91e-04	-5.02e-04	6.71e-04	-1.15
		-1.72	2.85e-04	0.0	0.0	52.5	-0.11	-1.19	-7.91e-04	-5.02e-04	2.85e-04	-1.72
50	12	-1.46	4.10e-03	-4.76e-05	-0.23	0.0	-0.02	-1.38	3.92e-03	-5.78e-04	2.17e-03	-1.46
		-2.24	2.17e-03	0.0	0.0	52.5	-0.02	-1.61	3.92e-03	-5.78e-04	4.10e-03	-2.24
50	15	2.33	-0.27	-2.34e-05	-0.23	0.0	5.62	-9.47	-0.46	0.07	-0.27	2.33
		-2.54	-0.52	8.44e-04	0.0	52.5	5.62	-9.70	-0.46	0.07	-0.52	-2.54
50	18	-2.98	0.51	-9.78e-05	-0.23	0.0	-6.18	6.27	0.45	-0.07	0.27	-6.05
		-6.05	0.27	-8.39e-04	0.0	52.5	-6.18	6.04	0.45	-0.07	0.51	-2.98
50	19	2.33	-0.28	-3.07e-05	-0.23	0.0	5.30	-9.46	-0.44	0.08	-0.28	2.33
		-2.49	-0.49	7.89e-04	0.0	52.5	5.30	-9.69	-0.44	0.08	-0.49	-2.49
50	22	-3.03	0.48	-9.06e-05	-0.23	0.0	-5.85	6.25	0.43	-0.08	0.27	-6.05
		-6.05	0.27	-7.84e-04	0.0	52.5	-5.85	6.02	0.43	-0.08	0.48	-3.03
50	23	1.99	-0.21	-2.98e-05	-0.23	0.0	6.66	-9.13	-0.50	0.08	-0.21	1.99
		-2.49	-0.46	8.92e-04	0.0	52.5	6.66	-9.36	-0.50	0.08	-0.46	-2.49
50	26	-3.03	0.46	-9.14e-05	-0.23	0.0	-7.21	5.93	0.49	-0.08	0.20	-5.71
		-5.71	0.20	-8.87e-04	0.0	52.5	-7.21	5.70	0.49	-0.08	0.46	-3.03
50	47	1.72	-0.24	-3.01e-05	-0.23	0.0	4.98	-8.39	-0.40	0.06	-0.24	1.72
		-2.53	-0.45	7.24e-04	0.0	52.5	4.98	-8.62	-0.40	0.06	-0.45	-2.53
50	50	-2.99	0.44	-9.12e-05	-0.23	0.0	-5.53	5.19	0.39	-0.06	0.24	-5.44
		-5.44	0.24	-7.19e-04	0.0	52.5	-5.53	4.95	0.39	-0.06	0.44	-2.99
50	51	1.72	-0.24	-3.82e-05	-0.23	0.0	4.66	-8.38	-0.38	0.07	-0.24	1.72
		-2.48	-0.42	6.61e-04	0.0	52.5	4.66	-8.61	-0.38	0.07	-0.42	-2.48
50	54	-3.04	0.41	-8.30e-05	-0.23	0.0	-5.21	5.17	0.37	-0.07	0.24	-5.44
		-5.44	0.24	-6.56e-04	0.0	52.5	-5.21	4.94	0.37	-0.07	0.41	-3.04
50	55	1.27	-0.18	-3.68e-05	-0.23	0.0	5.72	-7.77	-0.42	0.06	-0.18	1.27
		-2.45	-0.39	7.17e-04	0.0	52.5	5.72	-8.00	-0.42	0.06	-0.39	-2.45
50	58	-3.07	0.38	-8.44e-05	-0.23	0.0	-6.27	4.56	0.41	-0.06	0.18	-4.99
		-4.99	0.18	-7.12e-04	0.0	52.5	-6.27	4.33	0.41	-0.06	0.38	-3.07
50	79	1.26	-0.21	-3.42e-05	-0.23	0.0	4.32	-7.51	-0.35	0.05	-0.21	1.26
		-2.55	-0.39	6.30e-04	0.0	52.5	4.32	-7.74	-0.35	0.05	-0.39	-2.55
50	82	-2.97	0.39	-8.70e-05	-0.23	0.0	-4.88	4.31	0.34	-0.05	0.21	-4.97
		-4.97	0.21	-6.25e-04	0.0	52.5	-4.88	4.08	0.34	-0.05	0.39	-2.97
50	83	1.26	-0.21	-4.14e-05	-0.23	0.0	4.04	-7.50	-0.33	0.06	-0.21	1.26
		-2.51	-0.37	5.74e-04	0.0	52.5	4.04	-7.74	-0.33	0.06	-0.37	-2.51
50	86	-3.01	0.36	-7.98e-05	-0.23	0.0	-4.59	4.30	0.32	-0.06	0.21	-4.97
		-4.97	0.21	-5.69e-04	0.0	52.5	-4.59	4.07	0.32	-0.06	0.36	-3.01
50	87	0.85	-0.16	-4.02e-05	-0.23	0.0	4.97	-6.95	-0.36	0.05	-0.16	0.85
		-2.48	-0.34	6.21e-04	0.0	52.5	4.97	-7.18	-0.36	0.05	-0.34	-2.48
50	90	-3.04	0.33	-8.11e-05	-0.23	0.0	-5.52	3.75	0.35	-0.06	0.16	-4.57
		-4.57	0.16	-6.16e-04	0.0	52.5	-5.52	3.52	0.35	-0.06	0.33	-3.04
50	111	3.35	-0.34	-1.38e-05	-0.23	0.0	6.97	-11.37	-0.56	0.09	-0.34	3.35

50	114	-2.50	-0.64	1.05e-03	0.0	52.5	6.97	-11.60	-0.56	0.09	-0.64	-2.50
		-3.02	0.63	-1.07e-04	-0.23	0.0	-7.52	8.17	0.55	-0.09	0.34	-7.07
		-7.07	0.34	-1.04e-03	0.0	52.5	-7.52	7.93	0.55	-0.09	0.63	-3.02
50	115	3.35	-0.34	-2.19e-05	-0.23	0.0	6.58	-11.35	-0.54	0.09	-0.34	3.35
		-2.45	-0.61	9.87e-04	0.0	52.5	6.58	-11.58	-0.54	0.09	-0.61	-2.45
50	118	-3.07	0.60	-9.93e-05	-0.23	0.0	-7.14	8.15	0.53	-0.10	0.34	-7.07
		-7.07	0.34	-9.82e-04	0.0	52.5	-7.14	7.92	0.53	-0.10	0.60	-3.07
50	119	3.03	-0.26	-2.09e-05	-0.23	0.0	8.37	-11.14	-0.63	0.10	-0.26	3.03
		-2.46	-0.58	1.13e-03	0.0	52.5	8.37	-11.37	-0.63	0.10	-0.58	-2.46
50	122	-3.06	0.58	-1.00e-04	-0.23	0.0	-8.92	7.94	0.62	-0.10	0.26	-6.75
		-6.75	0.26	-1.13e-03	0.0	52.5	-8.92	7.71	0.62	-0.10	0.58	-3.06
50	143	-1.24	5.80e-04	-4.04e-05	-0.23	0.0	-0.13	-1.04	-9.47e-04	-5.43e-04	5.80e-04	-1.24
		-1.85	1.16e-04	0.0	0.0	52.5	-0.13	-1.27	-9.47e-04	-5.43e-04	1.16e-04	-1.85
50	145	-2.27	-2.03e-03	-7.41e-05	-0.23	0.0	-0.38	-1.97	-7.21e-03	-1.10e-03	-2.03e-03	-2.27
		-3.37	-5.59e-03	3.60e-06	0.0	52.5	-0.38	-2.20	-7.21e-03	-1.10e-03	-5.59e-03	-3.37
50	146	-2.37	-1.54e-03	-7.74e-05	-0.23	0.0	-0.35	-2.11	-5.64e-03	-1.12e-03	-1.54e-03	-2.37
		-3.54	-4.32e-03	3.09e-06	0.0	52.5	-0.35	-2.34	-5.64e-03	-1.12e-03	-4.32e-03	-3.54
50	147	-1.44	2.66e-03	-4.71e-05	-0.23	0.0	-0.07	-1.32	2.19e-03	-5.93e-04	1.58e-03	-1.44
		-2.20	1.58e-03	0.0	0.0	52.5	-0.07	-1.55	2.19e-03	-5.93e-04	2.66e-03	-2.20
50	150	-1.24	5.80e-04	-4.04e-05	-0.23	0.0	-0.13	-1.04	-9.47e-04	-5.43e-04	5.80e-04	-1.24
		-1.85	1.16e-04	0.0	0.0	52.5	-0.13	-1.27	-9.47e-04	-5.43e-04	1.16e-04	-1.85
50	151	-1.96	-1.25e-03	-6.40e-05	-0.23	0.0	-0.30	-1.69	-5.33e-03	-9.29e-04	-1.25e-03	-1.96
		-2.91	-3.88e-03	2.78e-06	0.0	52.5	-0.30	-1.93	-5.33e-03	-9.29e-04	-3.88e-03	-2.91
50	152	-1.28	7.79e-04	-4.17e-05	-0.23	0.0	-0.11	-1.10	-3.19e-04	-5.53e-04	7.79e-04	-1.28
		-1.92	6.25e-04	0.0	0.0	52.5	-0.11	-1.33	-3.19e-04	-5.53e-04	6.25e-04	-1.92
50	155	-1.24	5.80e-04	-4.04e-05	-0.23	0.0	-0.13	-1.04	-9.47e-04	-5.43e-04	5.80e-04	-1.24
		-1.85	1.16e-04	0.0	0.0	52.5	-0.13	-1.27	-9.47e-04	-5.43e-04	1.16e-04	-1.85
50	156	-1.86	-9.89e-04	-6.06e-05	-0.23	0.0	-0.28	-1.60	-4.70e-03	-8.74e-04	-9.89e-04	-1.86
		-2.76	-3.31e-03	2.51e-06	0.0	52.5	-0.28	-1.83	-4.70e-03	-8.74e-04	-3.31e-03	-2.76
51	3	-1.75	-9.44e-04	-8.03e-05	-0.30	0.0	-0.40	-2.70	-4.97e-03	-1.36e-03	-9.44e-04	-1.75
		-3.25	-3.36e-03	5.61e-06	0.0	52.5	-0.40	-3.00	-4.97e-03	-1.36e-03	-3.36e-03	-3.25
51	4	-1.81	-4.35e-04	-8.44e-05	-0.30	0.0	-0.36	-2.88	-4.43e-03	-1.38e-03	-4.35e-04	-1.81
		-3.40	-2.59e-03	4.78e-06	0.0	52.5	-0.36	-3.18	-4.43e-03	-1.38e-03	-2.59e-03	-3.40
51	5	-0.62	9.76e-04	-2.85e-05	-0.23	0.0	-0.07	-0.90	-6.45e-04	-4.12e-04	9.76e-04	-0.62
		-1.15	6.62e-04	0.0	0.0	52.5	-0.07	-1.13	-6.45e-04	-4.12e-04	6.62e-04	-1.15
51	9	-1.02	2.20e-03	-5.03e-05	-0.30	0.0	-0.03	-1.71	-1.44e-05	-6.63e-04	2.20e-03	-1.02
		-2.00	2.18e-03	0.0	0.0	52.5	-0.03	-2.01	-1.44e-05	-6.63e-04	2.18e-03	-2.00
51	12	-0.74	2.20e-03	-3.68e-05	-0.23	0.0	7.81e-03	-1.25	4.36e-04	-4.58e-04	1.99e-03	-0.74
		-1.46	1.99e-03	0.0	0.0	52.5	7.81e-03	-1.48	4.36e-04	-4.58e-04	2.20e-03	-1.46
51	16	5.08	-0.28	-5.92e-05	-0.23	0.0	2.54	-5.33	-0.10	0.07	-0.28	5.08
		2.16	-0.33	8.17e-04	0.0	52.5	2.54	-5.56	-0.10	0.07	-0.33	2.16
51	17	-5.87	0.33	-3.27e-05	-0.23	0.0	-2.93	2.29	0.10	-0.07	0.28	-7.08
		-7.08	0.28	-8.12e-04	0.0	52.5	-2.93	2.06	0.10	-0.07	0.33	-5.87
51	19	5.45	-0.23	-7.60e-05	-0.23	0.0	4.06	-5.91	-0.14	0.07	-0.23	5.45
		2.33	-0.30	8.17e-04	0.0	52.5	4.06	-6.14	-0.14	0.07	-0.30	2.33
51	22	-6.05	0.30	-1.59e-05	-0.23	0.0	-4.44	2.87	0.14	-0.07	0.23	-7.45
		-7.45	0.23	-8.12e-04	0.0	52.5	-4.44	2.64	0.14	-0.07	0.30	-6.05
51	23	5.03	-0.15	-8.60e-05	-0.23	0.0	5.11	-5.83	-0.17	0.07	-0.15	5.03
		1.99	-0.23	9.11e-04	0.0	52.5	5.11	-6.06	-0.17	0.07	-0.23	1.99
51	26	-5.71	0.23	-5.89e-06	-0.23	0.0	-5.50	2.79	0.17	-0.07	0.15	-7.03
		-7.03	0.15	-9.06e-04	0.0	52.5	-5.50	2.56	0.17	-0.07	0.23	-5.71
51	48	4.14	-0.26	-5.47e-05	-0.23	0.0	1.99	-4.73	-0.08	0.06	-0.26	4.14
		1.53	-0.30	6.85e-04	0.0	52.5	1.99	-4.96	-0.08	0.06	-0.30	1.53
51	49	-5.25	0.30	-3.72e-05	-0.23	0.0	-2.37	1.69	0.08	-0.06	0.26	-6.14
		-6.14	0.26	-6.80e-04	0.0	52.5	-2.37	1.46	0.08	-0.06	0.30	-5.25
51	51	4.53	-0.21	-7.24e-05	-0.23	0.0	3.57	-5.34	-0.13	0.06	-0.21	4.53
		1.72	-0.26	6.85e-04	0.0	52.5	3.57	-5.57	-0.13	0.06	-0.26	1.72
51	54	-5.44	0.26	-1.96e-05	-0.23	0.0	-3.95	2.29	0.12	-0.06	0.21	-6.53
		-6.53	0.21	-6.80e-04	0.0	52.5	-3.95	2.06	0.12	-0.06	0.26	-5.44
51	55	3.90	-0.14	-8.15e-05	-0.23	0.0	4.39	-5.08	-0.15	0.06	-0.14	3.90
		1.27	-0.20	7.31e-04	0.0	52.5	4.39	-5.31	-0.15	0.06	-0.20	1.27
51	58	-4.99	0.19	-1.04e-05	-0.23	0.0	-4.77	2.04	0.14	-0.06	0.19	-5.90
		-5.90	0.14	-7.26e-04	0.0	52.5	-4.77	1.81	0.14	-0.06	0.19	-4.99
51	80	3.47	-0.23	-5.33e-05	-0.23	0.0	1.68	-4.31	-0.07	0.05	-0.23	3.47
		1.09	-0.26	5.94e-04	0.0	52.5	1.68	-4.54	-0.07	0.05	-0.26	1.09
51	81	-4.80	0.26	-3.86e-05	-0.23	0.0	-2.07	1.27	0.07	-0.05	0.23	-5.47
		-5.47	0.23	-5.89e-04	0.0	52.5	-2.07	1.04	0.07	-0.05	0.26	-4.80
51	83	3.81	-0.18	-6.91e-05	-0.23	0.0	3.09	-4.85	-0.11	0.05	-0.18	3.81
		1.26	-0.23	5.95e-04	0.0	52.5	3.09	-5.08	-0.11	0.05	-0.23	1.26
51	86	-4.97	0.23	-2.29e-05	-0.23	0.0	-3.48	1.81	0.11	-0.05	0.18	-5.81
		-5.81	0.18	-5.90e-04	0.0	52.5	-3.48	1.58	0.11	-0.05	0.23	-4.97
51	87	3.25	-0.12	-7.71e-05	-0.23	0.0	3.81	-4.62	-0.13	0.05	-0.12	3.25
		0.85	-0.17	6.33e-04	0.0	52.5	3.81	-4.85	-0.13	0.05	-0.17	0.85
51	90	-4.57	0.17	-1.49e-05	-0.23	0.0	-4.20	1.58	0.13	-0.05	0.12	-5.25
		-5.25	0.12	-6.28e-04	0.0	52.5	-4.20	1.35	0.13	-0.05	0.17	-4.57

51	112	6.59	-0.35	-6.37e-05	-0.23	0.0	3.28	-6.29	-0.13	0.08	-0.35	6.59
		3.15	-0.41	1.02e-03	0.0	52.5	3.28	-6.52	-0.13	0.08	-0.41	3.15
51	113	-6.87	0.41	-2.82e-05	-0.23	0.0	-3.67	3.25	0.12	-0.08	0.35	-8.59
		-8.59	0.35	-1.02e-03	0.0	52.5	-3.67	3.02	0.12	-0.08	0.41	-6.87
51	115	7.01	-0.29	-8.31e-05	-0.23	0.0	5.04	-6.96	-0.18	0.08	-0.29	7.01
		3.35	-0.37	1.02e-03	0.0	52.5	5.04	-7.19	-0.18	0.08	-0.37	3.35
51	118	-7.07	0.37	-8.79e-06	-0.23	0.0	-5.42	3.92	0.17	-0.08	0.29	-9.01
		-9.01	0.29	-1.02e-03	0.0	52.5	-5.42	3.69	0.17	-0.08	0.37	-7.07
51	119	6.65	-0.19	-9.54e-05	-0.23	0.0	6.42	-6.97	-0.22	0.08	-0.19	6.65
		3.03	-0.29	1.16e-03	0.0	52.5	6.42	-7.20	-0.22	0.08	-0.29	3.03
51	122	-6.75	0.28	9.44e-06	-0.23	0.0	-6.81	3.93	0.21	-0.09	0.19	-8.65
		-8.65	0.19	-1.15e-03	0.0	52.5	-6.81	3.70	0.21	-0.09	0.28	-6.75
51	143	-0.66	9.38e-04	-3.07e-05	-0.23	0.0	-0.08	-0.98	-7.57e-04	-4.48e-04	9.38e-04	-0.66
		-1.24	5.69e-04	0.0	0.0	52.5	-0.08	-1.21	-7.57e-04	-4.48e-04	5.69e-04	-1.24
51	145	-1.22	-4.79e-04	-5.62e-05	-0.23	0.0	-0.27	-1.88	-3.34e-03	-9.43e-04	-4.79e-04	-1.22
		-2.27	-2.10e-03	3.78e-06	0.0	52.5	-0.27	-2.11	-3.34e-03	-9.43e-04	-2.10e-03	-2.27
51	146	-1.26	-1.40e-04	-5.89e-05	-0.23	0.0	-0.24	-2.00	-2.98e-03	-9.58e-04	-1.40e-04	-1.26
		-2.37	-1.59e-03	3.23e-06	0.0	52.5	-0.24	-2.23	-2.98e-03	-9.58e-04	-1.59e-03	-2.37
51	147	-0.74	1.62e-03	-3.62e-05	-0.23	0.0	-0.03	-1.22	-3.59e-05	-4.78e-04	1.62e-03	-0.74
		-1.44	1.59e-03	0.0	0.0	52.5	-0.03	-1.45	-3.59e-05	-4.78e-04	1.59e-03	-1.44
51	150	-0.66	9.38e-04	-3.07e-05	-0.23	0.0	-0.08	-0.98	-7.57e-04	-4.48e-04	9.38e-04	-0.66
		-1.24	5.69e-04	0.0	0.0	52.5	-0.08	-1.21	-7.57e-04	-4.48e-04	5.69e-04	-1.24
51	151	-1.06	-5.39e-05	-4.85e-05	-0.23	0.0	-0.21	-1.61	-2.56e-03	-7.94e-04	-5.39e-05	-1.06
		-1.96	-1.30e-03	2.89e-06	0.0	52.5	-0.21	-1.84	-2.56e-03	-7.94e-04	-1.30e-03	-1.96
51	152	-0.68	1.07e-03	-3.18e-05	-0.23	0.0	-0.07	-1.03	-6.13e-04	-4.54e-04	1.07e-03	-0.68
		-1.28	7.74e-04	0.0	0.0	52.5	-0.07	-1.26	-6.13e-04	-4.54e-04	7.74e-04	-1.28
51	155	-0.66	9.38e-04	-3.07e-05	-0.23	0.0	-0.08	-0.98	-7.57e-04	-4.48e-04	9.38e-04	-0.66
		-1.24	5.69e-04	0.0	0.0	52.5	-0.08	-1.21	-7.57e-04	-4.48e-04	5.69e-04	-1.24
51	156	-1.00	8.78e-05	-4.60e-05	-0.23	0.0	-0.19	-1.52	-2.31e-03	-7.45e-04	8.78e-05	-1.00
		-1.86	-1.03e-03	2.59e-06	0.0	52.5	-0.19	-1.75	-2.31e-03	-7.45e-04	-1.03e-03	-1.86
52	3	-0.56	2.22e-03	-7.17e-05	-0.30	0.0	-0.22	-2.12	-6.60e-03	-1.29e-03	2.22e-03	-0.56
		-1.75	-1.03e-03	5.72e-06	0.0	52.5	-0.22	-2.42	-6.60e-03	-1.29e-03	-1.03e-03	-1.75
52	4	-0.55	2.72e-03	-7.59e-05	-0.30	0.0	-0.19	-2.25	-6.56e-03	-1.31e-03	2.72e-03	-0.55
		-1.81	-5.16e-04	4.85e-06	0.0	52.5	-0.19	-2.55	-6.56e-03	-1.31e-03	-5.16e-04	-1.81
52	7	-0.47	1.58e-03	-5.95e-05	-0.23	0.0	-0.20	-1.77	-5.71e-03	-1.10e-03	1.58e-03	-0.47
		-1.46	-1.23e-03	5.29e-06	0.0	52.5	-0.20	-2.00	-5.71e-03	-1.10e-03	-1.23e-03	-1.46
52	9	-0.26	3.39e-03	-4.60e-05	-0.30	0.0	0.04	-1.30	-2.40e-03	-6.15e-04	3.39e-03	-0.26
		-1.02	2.19e-03	0.0	0.0	52.5	0.04	-1.60	-2.40e-03	-6.15e-04	2.19e-03	-1.02
52	12	-0.18	2.75e-03	-3.38e-05	-0.23	0.0	0.05	-0.95	-1.51e-03	-4.22e-04	2.75e-03	-0.18
		-0.74	1.99e-03	-1.14e-06	0.0	52.5	0.05	-1.18	-1.51e-03	-4.22e-04	1.99e-03	-0.74
52	16	6.39	-0.23	-1.37e-04	-0.23	0.0	1.87	-2.40	-0.13	0.07	-0.23	6.39
		5.08	-0.29	8.42e-04	0.0	52.5	1.87	-2.63	-0.13	0.07	-0.29	5.08
52	17	-7.02	0.29	5.53e-05	-0.23	0.0	-2.06	0.02	0.13	-0.07	0.23	-7.02
		-7.08	0.23	-8.37e-04	0.0	52.5	-2.06	-0.21	0.13	-0.07	0.29	-7.08
52	19	6.96	-0.15	-1.55e-04	-0.23	0.0	2.86	-2.83	-0.20	0.07	-0.15	6.96
		5.45	-0.24	8.41e-04	0.0	52.5	2.86	-3.06	-0.20	0.07	-0.24	5.45
52	22	-7.45	0.24	7.25e-05	-0.23	0.0	-3.05	0.45	0.19	-0.07	0.15	-7.59
		-7.59	0.15	-8.36e-04	0.0	52.5	-3.05	0.22	0.19	-0.07	0.24	-7.45
52	23	6.58	-0.09	-1.52e-04	-0.23	0.0	3.62	-2.91	-0.18	0.07	-0.09	6.58
		5.03	-0.17	9.23e-04	0.0	52.5	3.62	-3.15	-0.18	0.07	-0.17	5.03
52	26	-7.03	0.17	6.95e-05	-0.23	0.0	-3.81	0.54	0.17	-0.07	0.09	-7.21
		-7.21	0.09	-9.18e-04	0.0	52.5	-3.81	0.31	0.17	-0.07	0.17	-7.03
52	48	5.35	-0.22	-1.22e-04	-0.23	0.0	1.48	-2.21	-0.11	0.06	-0.22	5.35
		4.14	-0.27	7.07e-04	0.0	52.5	1.48	-2.44	-0.11	0.06	-0.27	4.14
52	49	-5.98	0.27	3.96e-05	-0.23	0.0	-1.67	-0.16	0.10	-0.06	0.22	-5.98
		-6.14	0.22	-7.02e-04	0.0	52.5	-1.67	-0.39	0.10	-0.06	0.27	-6.14
52	51	5.95	-0.14	-1.39e-04	-0.23	0.0	2.51	-2.67	-0.18	0.06	-0.14	5.95
		4.53	-0.22	7.06e-04	0.0	52.5	2.51	-2.90	-0.18	0.06	-0.22	4.53
52	54	-6.53	0.22	5.73e-05	-0.23	0.0	-2.70	0.29	0.17	-0.06	0.14	-6.58
		-6.58	0.14	-7.01e-04	0.0	52.5	-2.70	0.06	0.17	-0.06	0.22	-6.53
52	55	5.31	-0.08	-1.32e-04	-0.23	0.0	3.11	-2.68	-0.15	0.05	-0.08	5.31
		3.90	-0.15	7.40e-04	0.0	52.5	3.11	-2.91	-0.15	0.05	-0.15	3.90
52	58	-5.90	0.15	5.00e-05	-0.23	0.0	-3.29	0.30	0.15	-0.06	0.09	-5.94
		-5.94	0.09	-7.35e-04	0.0	52.5	-3.29	0.07	0.15	-0.06	0.15	-5.90
52	80	4.61	-0.19	-1.11e-04	-0.23	0.0	1.26	-2.08	-0.09	0.05	-0.19	4.61
		3.47	-0.24	6.14e-04	0.0	52.5	1.26	-2.31	-0.09	0.05	-0.24	3.47
52	81	-5.24	0.24	2.89e-05	-0.23	0.0	-1.45	-0.30	0.09	-0.05	0.19	-5.24
		-5.47	0.19	-6.08e-04	0.0	52.5	-1.45	-0.53	0.09	-0.05	0.24	-5.47
52	83	5.14	-0.12	-1.27e-04	-0.23	0.0	2.19	-2.49	-0.16	0.05	-0.12	5.14
		3.81	-0.19	6.13e-04	0.0	52.5	2.19	-2.72	-0.16	0.05	-0.19	3.81
52	86	-5.77	0.19	4.47e-05	-0.23	0.0	-2.37	0.11	0.15	-0.05	0.12	-5.77
		-5.81	0.12	-6.08e-04	0.0	52.5	-2.37	-0.12	0.15	-0.05	0.19	-5.81
52	87	4.57	-0.08	-1.20e-04	-0.23	0.0	2.70	-2.50	-0.14	0.05	-0.08	4.57
		3.25	-0.13	6.40e-04	0.0	52.5	2.70	-2.73	-0.14	0.05	-0.13	3.25
52	90	-5.20	0.13	3.80e-05	-0.23	0.0	-2.89	0.12	0.13	-0.05	0.08	-5.20

52	112	-5.25	0.08	-6.35e-04	0.0	52.5	-2.89	-0.11	0.13	-0.05	0.13	-5.25
		8.06	-0.27	-1.62e-04	-0.23	0.0	2.39	-2.70	-0.17	0.08	-0.27	8.06
		6.59	-0.36	1.05e-03	0.0	52.5	2.39	-2.93	-0.17	0.08	-0.36	6.59
52	113	-8.59	0.36	7.96e-05	-0.23	0.0	-2.58	0.32	0.16	-0.08	0.28	-8.69
		-8.69	0.28	-1.05e-03	0.0	52.5	-2.58	0.09	0.16	-0.08	0.36	-8.59
52	115	8.72	-0.19	-1.82e-04	-0.23	0.0	3.54	-3.20	-0.25	0.08	-0.19	8.72
		7.01	-0.30	1.05e-03	0.0	52.5	3.54	-3.44	-0.25	0.08	-0.30	7.01
52	118	-9.01	0.30	9.96e-05	-0.23	0.0	-3.73	0.83	0.24	-0.08	0.19	-9.35
		-9.35	0.19	-1.05e-03	0.0	52.5	-3.73	0.60	0.24	-0.08	0.30	-9.01
52	119	8.42	-0.11	-1.81e-04	-0.23	0.0	4.54	-3.34	-0.22	0.08	-0.11	8.42
		6.65	-0.21	1.17e-03	0.0	52.5	4.54	-3.57	-0.22	0.08	-0.21	6.65
52	122	-8.65	0.21	9.87e-05	-0.23	0.0	-4.73	0.96	0.22	-0.09	0.11	-9.05
		-9.05	0.11	-1.17e-03	0.0	52.5	-4.73	0.73	0.22	-0.09	0.21	-8.65
52	145	-0.39	1.68e-03	-5.02e-05	-0.23	0.0	-0.15	-1.47	-4.52e-03	-8.95e-04	1.68e-03	-0.39
		-1.22	-5.37e-04	3.84e-06	0.0	52.5	-0.15	-1.71	-4.52e-03	-8.95e-04	-5.37e-04	-1.22
52	146	-0.39	2.02e-03	-5.29e-05	-0.23	0.0	-0.12	-1.56	-4.49e-03	-9.08e-04	2.02e-03	-0.39
		-1.26	-1.94e-04	3.25e-06	0.0	52.5	-0.12	-1.79	-4.49e-03	-9.08e-04	-1.94e-04	-1.26
52	147	-0.19	2.47e-03	-3.30e-05	-0.23	0.0	0.03	-0.93	-1.72e-03	-4.43e-04	2.47e-03	-0.19
		-0.74	1.61e-03	0.0	0.0	52.5	0.03	-1.16	-1.72e-03	-4.43e-04	1.61e-03	-0.74
52	151	-0.33	1.72e-03	-4.33e-05	-0.23	0.0	-0.11	-1.26	-3.69e-03	-7.51e-04	1.72e-03	-0.33
		-1.06	-1.00e-04	2.90e-06	0.0	52.5	-0.11	-1.49	-3.69e-03	-7.51e-04	-1.00e-04	-1.06
52	152	-0.20	1.93e-03	-2.85e-05	-0.23	0.0	-9.48e-03	-0.79	-1.76e-03	-4.21e-04	1.93e-03	-0.20
		-0.68	1.06e-03	0.0	0.0	52.5	-9.48e-03	-1.02	-1.76e-03	-4.21e-04	1.06e-03	-0.68
52	155	-0.20	1.80e-03	-2.74e-05	-0.23	0.0	-0.02	-0.76	-1.77e-03	-4.15e-04	1.80e-03	-0.20
		-0.66	9.20e-04	0.0	0.0	52.5	-0.02	-0.99	-1.77e-03	-4.15e-04	9.20e-04	-0.66
52	156	-0.32	1.73e-03	-4.11e-05	-0.23	0.0	-0.09	-1.19	-3.42e-03	-7.03e-04	1.73e-03	-0.32
		-1.00	4.57e-05	2.59e-06	0.0	52.5	-0.09	-1.42	-3.42e-03	-7.03e-04	4.57e-05	-1.00
53	3	0.07	9.39e-03	-7.83e-05	-0.30	0.0	0.03	-1.04	-0.01	-7.19e-04	9.39e-03	0.07
		-0.56	2.08e-03	5.56e-06	0.0	52.5	0.03	-1.34	-0.01	-7.19e-04	2.08e-03	-0.56
53	4	0.10	9.93e-03	-8.33e-05	-0.30	0.0	0.06	-1.09	-0.01	-7.93e-04	9.93e-03	0.10
		-0.55	2.59e-03	4.63e-06	0.0	52.5	0.06	-1.39	-0.01	-7.93e-04	2.59e-03	-0.55
53	7	0.05	7.73e-03	-6.49e-05	-0.23	0.0	0.01	-0.87	-0.01	-5.83e-04	7.73e-03	0.05
		-0.47	1.47e-03	5.18e-06	0.0	52.5	0.01	-1.11	-0.01	-5.83e-04	1.47e-03	-0.47
53	9	0.13	6.43e-03	-5.10e-05	-0.30	0.0	0.15	-0.61	-6.10e-03	-5.77e-04	6.43e-03	0.13
		-0.26	3.35e-03	-1.02e-06	0.0	52.5	0.15	-0.90	-6.10e-03	-5.77e-04	3.35e-03	-0.26
53	11	0.14	9.25e-03	-7.72e-05	-0.30	0.0	0.11	-0.98	-0.01	-7.80e-04	9.25e-03	0.14
		-0.46	3.17e-03	2.29e-06	0.0	52.5	0.11	-1.28	-0.01	-7.80e-04	3.17e-03	-0.46
53	19	6.96	-4.03e-03	-2.67e-04	-0.23	0.0	1.73	2.52	-0.38	0.06	-4.03e-03	5.67
		5.67	-0.17	8.58e-04	0.0	52.5	1.73	2.29	-0.38	0.06	-0.17	6.96
53	22	-5.57	0.17	1.77e-04	-0.23	0.0	-1.64	-3.69	0.36	-0.06	0.02	-5.57
		-7.59	0.02	-8.53e-04	0.0	52.5	-1.64	-3.92	0.36	-0.06	0.17	-7.59
53	23	6.58	-1.64e-03	-2.58e-04	-0.23	0.0	2.20	2.24	-0.29	0.06	-1.64e-03	5.45
		5.45	-0.10	2.52e-04	0.0	52.5	2.20	2.01	-0.29	0.06	-0.10	6.58
53	26	-5.35	0.10	1.69e-04	-0.23	0.0	-2.11	-3.40	0.28	-0.06	0.01	-5.35
		-7.21	0.01	-2.47e-04	0.0	52.5	-2.11	-3.63	0.28	-0.06	0.10	-7.21
53	36	0.72	-0.18	-6.02e-05	-0.23	0.0	-0.38	0.55	0.14	0.03	-0.26	0.59
		0.59	-0.26	2.45e-03	0.0	52.5	-0.38	0.32	0.14	0.03	-0.18	0.72
53	37	-0.49	0.27	-2.93e-05	-0.23	0.0	0.48	-1.72	-0.15	-0.03	0.27	-0.49
		-1.35	0.18	-2.45e-03	0.0	52.5	0.48	-1.95	-0.15	-0.03	0.18	-1.35
53	51	5.95	-6.24e-03	-2.37e-04	-0.23	0.0	1.53	2.04	-0.34	0.06	-6.24e-03	4.91
		4.91	-0.15	7.21e-04	0.0	52.5	1.53	1.81	-0.34	0.06	-0.15	5.95
53	54	-4.81	0.15	1.47e-04	-0.23	0.0	-1.43	-3.20	0.32	-0.06	0.02	-4.81
		-6.58	0.02	-7.16e-04	0.0	52.5	-1.43	-3.43	0.32	-0.06	0.15	-6.58
53	55	5.31	-6.39e-03	-2.20e-04	-0.23	0.0	1.90	1.67	-0.26	0.05	-6.39e-03	4.49
		4.49	-0.09	1.21e-05	0.0	52.5	1.90	1.44	-0.26	0.05	-0.09	5.31
53	58	-4.39	0.10	1.31e-04	-0.23	0.0	-1.80	-2.83	0.24	-0.05	0.02	-4.39
		-5.94	0.02	-7.20e-06	0.0	52.5	-1.80	-3.06	0.24	-0.05	0.10	-5.94
53	68	0.30	-0.18	-4.69e-05	-0.23	0.0	-0.52	0.40	0.16	0.03	-0.27	0.26
		0.26	-0.27	2.56e-03	0.0	52.5	-0.52	0.17	0.16	0.03	-0.18	0.30
53	69	-0.16	0.28	-4.25e-05	-0.23	0.0	0.61	-1.57	-0.18	-0.03	0.28	-0.16
		-0.93	0.19	-2.55e-03	0.0	52.5	0.61	-1.80	-0.18	-0.03	0.19	-0.93
53	83	5.14	-5.31e-03	-2.12e-04	-0.23	0.0	1.34	1.69	-0.30	0.05	-5.31e-03	4.29
		4.29	-0.13	6.26e-04	0.0	52.5	1.34	1.46	-0.30	0.05	-0.13	5.14
53	86	-4.19	0.13	1.22e-04	-0.23	0.0	-1.25	-2.86	0.28	-0.05	0.02	-4.19
		-5.77	0.02	-6.21e-04	0.0	52.5	-1.25	-3.09	0.28	-0.05	0.13	-5.77
53	87	4.57	-5.74e-03	-1.97e-04	-0.23	0.0	1.66	1.36	-0.23	0.04	-5.74e-03	3.91
		3.91	-0.08	-1.01e-05	0.0	52.5	1.66	1.13	-0.23	0.04	-0.08	4.57
53	90	-3.81	0.09	1.07e-04	-0.23	0.0	-1.57	-2.53	0.21	-0.04	0.02	-3.81
		-5.20	0.02	1.50e-05	0.0	52.5	-1.57	-2.76	0.21	-0.04	0.09	-5.20
53	100	0.21	-0.16	-4.54e-05	-0.23	0.0	-0.47	0.28	0.14	0.02	-0.24	0.20
		0.19	-0.24	2.28e-03	0.0	52.5	-0.47	0.05	0.14	0.02	-0.16	0.19
53	101	-0.10	0.25	-4.40e-05	-0.23	0.0	0.56	-1.44	-0.16	-0.02	0.25	-0.10
		-0.82	0.17	-2.27e-03	0.0	52.5	0.56	-1.67	-0.16	-0.02	0.17	-0.82
53	115	8.72	-5.43e-03	-3.20e-04	-0.23	0.0	2.12	3.29	-0.46	0.08	-5.43e-03	7.02
		7.02	-0.21	1.07e-03	0.0	52.5	2.12	3.06	-0.46	0.08	-0.21	8.72

53	118	-6.92	0.21	2.31e-04	-0.23	0.0	-2.03	-4.46	0.45	-0.08	0.02	-6.92
		-9.35	0.02	-1.07e-03	0.0	52.5	-2.03	-4.69	0.45	-0.08	0.21	-9.35
53	119	8.42	-1.90e-03	-3.15e-04	-0.23	0.0	2.74	3.02	-0.36	0.08	-1.90e-03	6.89
		6.89	-0.12	4.07e-04	0.0	52.5	2.74	2.78	-0.36	0.08	-0.12	8.42
53	122	-6.79	0.12	2.26e-04	-0.23	0.0	-2.65	-4.18	0.35	-0.08	0.01	-6.79
		-9.05	0.01	-4.03e-04	0.0	52.5	-2.65	-4.41	0.35	-0.08	0.12	-9.05
53	132	1.11	-0.21	-6.92e-05	-0.23	0.0	-0.40	0.83	0.16	0.03	-0.30	0.84
		0.84	-0.30	2.84e-03	0.0	52.5	-0.40	0.60	0.16	0.03	-0.21	1.11
53	133	-0.74	0.31	-2.02e-05	-0.23	0.0	0.49	-1.99	-0.17	-0.04	0.31	-0.74
		-1.74	0.21	-2.84e-03	0.0	52.5	0.49	-2.22	-0.17	-0.04	0.21	-1.74
53	145	0.05	6.63e-03	-5.47e-05	-0.23	0.0	0.03	-0.73	-0.01	-5.07e-04	6.63e-03	0.05
		-0.39	1.59e-03	3.71e-06	0.0	52.5	0.03	-0.96	-0.01	-5.07e-04	1.59e-03	-0.39
53	146	0.07	6.98e-03	-5.81e-05	-0.23	0.0	0.05	-0.76	-0.01	-5.57e-04	6.98e-03	0.07
		-0.39	1.93e-03	3.09e-06	0.0	52.5	0.05	-0.99	-0.01	-5.57e-04	1.93e-03	-0.39
53	147	0.09	4.65e-03	-3.65e-05	-0.23	0.0	0.11	-0.43	-4.38e-03	-4.12e-04	4.65e-03	0.09
		-0.19	2.43e-03	0.0	0.0	52.5	0.11	-0.66	-4.38e-03	-4.12e-04	2.43e-03	-0.19
53	149	0.09	6.53e-03	-5.39e-05	-0.23	0.0	0.08	-0.68	-8.41e-03	-5.48e-04	6.53e-03	0.09
		-0.32	2.32e-03	1.53e-06	0.0	52.5	0.08	-0.91	-8.41e-03	-5.48e-04	2.32e-03	-0.32
53	151	0.05	5.82e-03	-4.72e-05	-0.23	0.0	0.04	-0.62	-8.35e-03	-4.49e-04	5.82e-03	0.05
		-0.33	1.64e-03	2.77e-06	0.0	52.5	0.04	-0.85	-8.35e-03	-4.49e-04	1.64e-03	-0.33
53	152	0.06	4.08e-03	-3.11e-05	-0.23	0.0	0.08	-0.38	-4.33e-03	-3.14e-04	4.08e-03	0.06
		-0.20	1.90e-03	0.0	0.0	52.5	0.08	-0.61	-4.33e-03	-3.33e-04	1.90e-03	-0.20
53	154	0.06	5.69e-03	-4.61e-05	-0.23	0.0	0.05	-0.59	-7.79e-03	-4.49e-04	5.69e-03	0.06
		-0.31	1.80e-03	2.20e-06	0.0	52.5	0.05	-0.83	-7.79e-03	-4.49e-04	1.80e-03	-0.31
53	155	0.05	3.93e-03	-2.98e-05	-0.23	0.0	0.07	-0.37	-4.32e-03	-3.14e-04	3.93e-03	0.05
		-0.20	1.76e-03	0.0	0.0	52.5	0.07	-0.60	-4.32e-03	-3.14e-04	1.76e-03	-0.20
53	156	0.05	5.55e-03	-4.47e-05	-0.23	0.0	0.05	-0.58	-7.77e-03	-4.30e-04	5.55e-03	0.05
		-0.32	1.66e-03	2.45e-06	0.0	52.5	0.05	-0.81	-7.77e-03	-4.30e-04	1.66e-03	-0.32
54	3	0.10	0.02	-9.06e-05	-0.30	0.0	-0.38	0.11	-0.02	-7.28e-05	0.02	0.09
		0.07	9.39e-03	4.66e-06	0.0	52.5	-0.38	-0.19	-0.02	-7.28e-05	9.39e-03	0.07
54	4	0.12	0.02	-9.70e-05	-0.30	0.0	-0.33	0.17	-0.02	-7.15e-05	0.02	0.09
		0.09	9.94e-03	3.68e-06	0.0	52.5	-0.33	-0.13	-0.02	-7.15e-05	9.94e-03	0.10
54	5	0.05	6.97e-03	-3.28e-05	-0.23	0.0	-0.02	0.14	-6.75e-03	-2.35e-05	6.97e-03	0.03
		0.03	3.72e-03	0.0	0.0	52.5	-0.02	-0.09	-6.75e-03	-2.35e-05	3.72e-03	0.05
54	11	0.14	0.02	-9.07e-05	-0.30	0.0	-0.19	0.25	-0.02	-5.85e-05	0.02	0.08
		0.08	9.28e-03	1.39e-06	0.0	52.5	-0.19	-0.05	-0.02	-5.85e-05	9.28e-03	0.14
54	12	0.11	8.43e-03	-4.56e-05	-0.23	0.0	0.07	0.26	-7.58e-03	-2.08e-05	8.43e-03	0.04
		0.04	4.82e-03	-1.87e-06	0.0	52.5	0.07	0.03	-7.58e-03	-2.08e-05	4.82e-03	0.11
54	15	5.69	0.29	-3.95e-04	-0.23	0.0	0.21	10.55	-0.52	0.02	0.29	2.80e-03
		2.80e-03	-0.02	8.66e-04	0.0	52.5	0.21	10.32	-0.52	0.02	-0.02	5.69
54	18	0.10	0.03	2.91e-04	-0.23	0.0	-0.53	-10.33	0.49	-0.02	-0.27	0.10
		-5.59	-0.27	-8.62e-04	0.0	52.5	-0.53	-10.56	0.49	-0.02	0.03	-5.59
54	28	4.87	0.02	-3.42e-04	-0.23	0.0	0.46	9.20	-0.12	0.02	0.02	4.87
		0.21	-0.13	1.96e-04	0.0	52.5	0.46	8.97	-0.12	0.02	-0.13	4.87
54	29	-0.10	0.15	2.38e-04	-0.23	0.0	-0.78	-8.97	0.10	-0.02	5.25e-03	-0.10
		-4.77	5.25e-03	-1.92e-04	0.0	52.5	-0.78	-9.20	0.10	-0.02	0.15	-4.77
54	39	2.60	0.49	-2.12e-04	-0.23	0.0	-0.26	4.38	-0.61	0.01	0.49	0.34
		0.34	0.17	2.62e-03	0.0	52.5	-0.26	4.15	-0.61	0.01	0.17	2.60
54	42	-0.23	-0.16	1.08e-04	-0.23	0.0	-0.06	-4.16	0.59	-0.01	-0.47	-0.23
		-2.50	-0.47	-2.61e-03	0.0	52.5	-0.06	-4.39	0.59	-0.01	-0.16	-2.50
54	47	4.93	0.28	-3.49e-04	-0.23	0.0	0.15	9.09	-0.48	0.02	0.28	-7.03e-03
		-7.03e-03	-0.02	7.28e-04	0.0	52.5	0.15	8.86	-0.48	0.02	-0.02	4.93
54	50	0.11	0.03	2.44e-04	-0.23	0.0	-0.47	-8.86	0.45	-0.02	-0.25	0.11
		-4.82	-0.25	-7.25e-04	0.0	52.5	-0.47	-9.09	0.45	-0.02	0.03	-4.82
54	60	3.88	-8.61e-03	-2.82e-04	-0.23	0.0	0.36	7.35	-0.08	0.01	-8.61e-03	0.21
		0.21	-0.15	-4.91e-05	0.0	52.5	0.36	7.12	-0.08	0.01	-0.15	3.88
54	61	-0.11	0.16	1.77e-04	-0.23	0.0	-0.69	-7.13	0.05	-0.02	0.03	-0.11
		-3.78	0.03	5.30e-05	0.0	52.5	-0.69	-7.36	0.05	-0.02	0.16	-3.78
54	71	2.41	0.50	-2.01e-04	-0.23	0.0	-0.29	4.01	-0.61	0.01	0.50	0.35
		0.35	0.18	2.76e-03	0.0	52.5	-0.29	3.78	-0.61	0.01	0.18	2.41
54	74	-0.25	-0.16	9.68e-05	-0.23	0.0	-0.03	-3.78	0.59	-0.01	-0.48	-0.25
		-2.31	-0.48	-2.76e-03	0.0	52.5	-0.03	-4.01	0.59	-0.01	-0.16	-2.31
54	79	4.30	0.24	-3.10e-04	-0.23	0.0	0.11	7.93	-0.42	0.02	0.24	-1.86e-03
		-1.86e-03	-0.02	6.32e-04	0.0	52.5	0.11	7.70	-0.42	0.02	-0.02	4.30
54	82	0.10	0.03	2.06e-04	-0.23	0.0	-0.43	-7.70	0.39	-0.02	-0.22	0.10
		-4.20	-0.22	-6.29e-04	0.0	52.5	-0.43	-7.93	0.39	-0.02	0.03	-4.20
54	92	3.36	-8.84e-03	-2.51e-04	-0.23	0.0	0.30	6.37	-0.07	0.01	-8.84e-03	0.19
		0.19	-0.13	-6.49e-05	0.0	52.5	0.30	6.14	-0.07	0.01	-0.13	3.36
54	93	-0.09	0.14	1.46e-04	-0.23	0.0	-0.62	-6.15	0.04	-0.01	0.03	-0.09
		-3.26	0.03	6.87e-05	0.0	52.5	-0.62	-6.38	0.04	-0.01	0.14	-3.26
54	103	2.13	0.45	-1.83e-04	-0.23	0.0	-0.28	3.53	-0.55	9.76e-03	0.45	0.32
		0.32	0.16	2.46e-03	0.0	52.5	-0.28	3.30	-0.55	9.76e-03	0.16	2.13
54	106	-0.22	-0.15	7.90e-05	-0.23	0.0	-0.05	-3.31	0.52	-9.84e-03	-0.43	-0.22
		-2.03	-0.43	-2.46e-03	0.0	52.5	-0.05	-3.54	0.52	-9.84e-03	-0.15	-2.03
54	111	7.04	0.35	-4.77e-04	-0.23	0.0	0.30	13.07	-0.63	0.03	0.35	-3.54e-03

		-3.54e-03	-0.02	1.08e-03	0.0	52.5	0.30	12.84	-0.63	0.03	-0.02	7.04
54	114	0.11	0.03	3.73e-04	-0.23	0.0	-0.62	-12.85	0.61	-0.03	-0.33	0.11
		-6.94	-0.33	-1.08e-03	0.0	52.5	-0.62	-13.08	0.61	-0.03	0.03	-6.94
54	124	6.21	0.03	-4.23e-04	-0.23	0.0	0.61	11.71	-0.17	0.02	0.03	0.24
		0.24	-0.16	3.45e-04	0.0	52.5	0.61	11.48	-0.17	0.02	-0.16	6.21
54	125	-0.13	0.17	3.19e-04	-0.23	0.0	-0.94	-11.48	0.14	-0.02	-8.84e-03	-0.13
		-6.11	-8.84e-03	-3.41e-04	0.0	52.5	-0.94	-11.71	0.14	-0.02	0.17	-6.11
54	135	3.14	0.58	-2.46e-04	-0.23	0.0	-0.26	5.32	-0.72	0.01	0.58	0.38
		0.38	0.19	3.02e-03	0.0	52.5	-0.26	5.09	-0.72	0.01	0.19	3.14
54	138	-0.28	-0.18	1.42e-04	-0.23	0.0	-0.06	-5.10	0.69	-0.01	-0.55	-0.28
		-3.04	-0.55	-3.02e-03	0.0	52.5	-0.06	-5.33	0.69	-0.01	-0.18	-3.04
54	143	0.06	7.53e-03	-3.54e-05	-0.23	0.0	-0.03	0.15	-7.39e-03	-2.50e-05	7.53e-03	0.03
		0.03	3.96e-03	0.0	0.0	52.5	-0.03	-0.08	-7.39e-03	-2.50e-05	3.96e-03	0.03
54	145	0.07	0.01	-6.34e-05	-0.23	0.0	-0.25	0.09	-0.02	-5.08e-05	0.01	0.06
		0.05	6.63e-03	3.08e-06	0.0	52.5	-0.25	-0.14	-0.02	-5.08e-05	6.63e-03	0.05
54	146	0.08	0.02	-6.76e-05	-0.23	0.0	-0.22	0.13	-0.02	-4.99e-05	0.02	0.07
		0.07	6.99e-03	2.42e-06	0.0	52.5	-0.22	-0.10	-0.02	-4.99e-05	6.99e-03	0.07
54	147	0.09	8.50e-03	-4.39e-05	-0.23	0.0	0.03	0.22	-7.95e-03	-2.32e-05	8.50e-03	0.04
		0.04	4.69e-03	-1.13e-06	0.0	52.5	0.03	-7.58e-03	-7.95e-03	-2.32e-05	4.69e-03	0.09
54	149	0.10	0.01	-6.35e-05	-0.23	0.0	-0.12	0.18	-0.01	-4.13e-05	0.01	0.06
		0.06	6.56e-03	0.0	0.0	52.5	-0.12	-0.05	-0.01	-4.13e-05	6.56e-03	0.09
54	150	0.06	7.53e-03	-3.54e-05	-0.23	0.0	-0.03	0.15	-7.39e-03	-2.50e-05	7.53e-03	0.03
		0.03	3.96e-03	0.0	0.0	52.5	-0.03	-0.08	-7.39e-03	-2.50e-05	3.96e-03	0.03
54	151	0.07	0.01	-5.50e-05	-0.23	0.0	-0.18	0.11	-0.01	-4.31e-05	0.01	0.05
		0.05	5.83e-03	2.21e-06	0.0	52.5	-0.18	-0.12	-0.01	-4.31e-05	5.83e-03	0.05
54	152	0.06	7.72e-03	-3.71e-05	-0.23	0.0	-0.02	0.16	-7.51e-03	-2.47e-05	7.72e-03	0.03
		0.03	4.11e-03	0.0	0.0	52.5	-0.02	-0.07	-7.51e-03	-2.47e-05	4.11e-03	0.06
54	154	0.07	0.01	-5.39e-05	-0.23	0.0	-0.15	0.13	-0.01	-4.02e-05	0.01	0.05
		0.05	5.71e-03	1.65e-06	0.0	52.5	-0.15	-0.10	-0.01	-4.02e-05	5.71e-03	0.06
54	155	0.06	7.53e-03	-3.54e-05	-0.23	0.0	-0.03	0.15	-7.39e-03	-2.50e-05	7.53e-03	0.03
		0.03	3.96e-03	0.0	0.0	52.5	-0.03	-0.08	-7.39e-03	-2.50e-05	3.96e-03	0.03
54	156	0.07	0.01	-5.22e-05	-0.23	0.0	-0.16	0.11	-0.01	-4.05e-05	0.01	0.05
		0.05	5.56e-03	1.92e-06	0.0	52.5	-0.16	-0.12	-0.01	-4.05e-05	5.56e-03	0.05
55	3	29.08	1.51e-04	1.26e-03	-72.93	0.0	0.38	36.46	-6.30e-05	1.34e-04	1.51e-04	0.0
		0.0	-4.96e-05	0.0	0.0	319.0	0.38	-36.46	-6.30e-05	1.34e-04	-4.96e-05	0.0
55	4	29.08	1.65e-04	1.32e-03	-72.93	0.0	0.47	36.46	-6.85e-05	1.17e-04	1.65e-04	0.0
		0.0	-5.33e-05	0.0	0.0	319.0	0.47	-36.46	-6.85e-05	1.17e-04	-5.33e-05	0.0
55	5	7.81	6.99e-05	4.60e-04	-19.58	0.0	0.19	9.79	-2.89e-05	2.31e-05	6.99e-05	0.0
		0.0	-2.22e-05	0.0	0.0	319.0	0.19	-9.79	-2.89e-05	2.31e-05	-2.22e-05	0.0
55	11	23.93	1.64e-04	1.22e-03	-60.01	0.0	0.53	30.00	-6.76e-05	7.08e-05	1.64e-04	0.0
		0.0	-5.17e-05	0.0	0.0	319.0	0.53	-30.00	-6.76e-05	7.08e-05	-5.17e-05	0.0
55	12	7.81	9.78e-05	5.94e-04	-19.58	0.0	0.37	9.79	-4.00e-05	-1.08e-05	9.78e-05	0.0
		0.0	-2.97e-05	0.0	0.0	319.0	0.37	-9.79	-4.00e-05	-1.08e-05	-2.97e-05	0.0
55	15	15.44	-0.02	-7.29e-04	-38.72	0.0	0.69	19.36	3.03e-03	0.05	-0.02	0.0
		0.0	-0.02	3.41e-03	0.0	319.0	0.69	-19.36	3.03e-03	0.05	-0.02	0.0
55	17	15.44	0.03	1.61e-03	-38.72	0.0	0.16	19.36	-4.97e-03	-0.06	0.03	0.0
		0.0	0.01	-3.65e-03	0.0	319.0	0.16	-19.36	-4.97e-03	-0.06	0.01	0.0
55	23	15.44	-0.01	-7.73e-04	-38.72	0.0	-0.24	19.36	-7.08e-03	0.06	-0.01	0.0
		0.0	-0.03	3.85e-03	0.0	319.0	-0.24	-19.36	-7.08e-03	0.06	-0.03	0.0
55	26	15.44	0.03	1.38e-03	-38.72	0.0	0.73	19.36	7.00e-03	-0.06	0.03	0.0
		0.0	0.01	-3.85e-03	0.0	319.0	0.73	-19.36	7.00e-03	-0.06	0.03	0.0
55	44	15.44	-7.33e-03	-8.83e-04	-38.72	0.0	-0.72	19.36	1.11e-03	7.35e-03	-7.33e-03	0.0
		0.0	-0.02	7.93e-04	0.0	319.0	-0.72	-19.36	1.11e-03	7.35e-03	-0.02	0.0
55	45	15.44	0.02	1.60e-03	-38.72	0.0	1.21	19.36	-1.19e-03	-7.22e-03	7.52e-03	0.0
		0.0	7.52e-03	-7.93e-04	0.0	319.0	1.21	-19.36	-1.19e-03	-7.22e-03	0.02	0.0
55	48	15.44	-9.63e-03	-8.54e-04	-38.72	0.0	0.32	19.36	4.74e-03	0.05	-0.02	0.0
		0.0	-0.02	3.14e-03	0.0	319.0	0.32	-19.36	4.74e-03	0.05	-9.63e-03	0.0
55	49	15.44	0.02	1.55e-03	-38.72	0.0	0.17	19.36	-4.81e-03	-0.05	0.02	0.0
		0.0	9.57e-03	-3.14e-03	0.0	319.0	0.17	-19.36	-4.81e-03	-0.05	9.57e-03	0.0
55	55	15.44	-0.01	-7.13e-04	-38.72	0.0	-0.25	19.36	-7.06e-03	0.05	-0.01	0.0
		0.0	-0.02	3.05e-03	0.0	319.0	-0.25	-19.36	-7.06e-03	0.05	-0.02	0.0
55	58	15.44	0.02	1.27e-03	-38.72	0.0	0.75	19.36	6.98e-03	-0.05	0.01	0.0
		0.0	0.01	-3.05e-03	0.0	319.0	0.75	-19.36	6.98e-03	-0.05	0.02	0.0
55	76	15.44	-7.09e-03	-8.78e-04	-38.72	0.0	-0.77	19.36	1.35e-03	3.94e-03	-7.09e-03	0.0
		0.0	-0.01	4.96e-04	0.0	319.0	-0.77	-19.36	1.35e-03	3.94e-03	-0.01	0.0
55	77	15.44	0.01	1.60e-03	-38.72	0.0	1.26	19.36	-1.43e-03	-3.81e-03	7.28e-03	0.0
		0.0	7.28e-03	-4.95e-04	0.0	319.0	1.26	-19.36	-1.43e-03	-3.81e-03	0.01	0.0
55	79	15.44	-0.01	-6.61e-04	-38.72	0.0	0.67	19.36	2.41e-03	0.04	-0.02	0.0
		0.0	-0.02	2.48e-03	0.0	319.0	0.67	-19.36	2.41e-03	0.04	-0.01	0.0
55	87	15.44	-0.01	-6.80e-04	-38.72	0.0	-0.20	19.36	-6.29e-03	0.05	-0.01	0.0
		0.0	-0.02	2.63e-03	0.0	319.0	-0.20	-19.36	-6.29e-03	0.05	-0.02	0.0
55	89	15.44	0.02	1.49e-03	-38.72	0.0	1.04	19.36	4.43e-03	-0.05	0.01	0.0
		0.0	0.01	-2.88e-03	0.0	319.0	1.04	-19.36	4.43e-03	-0.05	0.02	0.0
55	90	15.44	0.02	1.20e-03	-38.72	0.0	0.69	19.36	6.21e-03	-0.05	0.01	0.0
		0.0	0.01	-2.63e-03	0.0	319.0	0.69	-19.36	6.21e-03	-0.05	0.02	0.0

55	108	15.44	-6.28e-03	-8.30e-04	-38.72	0.0	-0.66	19.36	1.21e-03	3.20e-03	-6.28e-03	0.0
		0.0	-0.01	4.15e-04	0.0	319.0	-0.66	-19.36	1.21e-03	3.20e-03	-0.01	0.0
55	109	15.44	0.01	1.50e-03	-38.72	0.0	1.15	19.36	-1.29e-03	-3.07e-03	6.47e-03	0.0
		0.0	6.47e-03	-4.15e-04	0.0	319.0	1.15	-19.36	-1.29e-03	-3.07e-03	0.01	0.0
55	111	15.44	-0.02	-8.00e-04	-38.72	0.0	0.77	19.36	3.73e-03	0.06	-0.03	0.0
		0.0	-0.03	4.27e-03	0.0	319.0	0.77	-19.36	3.73e-03	0.06	-0.02	0.0
55	113	15.44	0.03	1.80e-03	-38.72	0.0	0.14	19.36	-5.95e-03	-0.07	0.03	0.0
		0.0	0.01	-4.53e-03	0.0	319.0	0.14	-19.36	-5.95e-03	-0.07	0.01	0.0
55	119	15.44	-0.02	-8.62e-04	-38.72	0.0	-0.32	19.36	-8.44e-03	0.08	-0.02	0.0
		0.0	-0.04	4.92e-03	0.0	319.0	-0.32	-19.36	-8.44e-03	0.08	-0.04	0.0
55	122	15.44	0.04	1.56e-03	-38.72	0.0	0.81	19.36	8.36e-03	-0.08	0.02	0.0
		0.0	0.02	-4.92e-03	0.0	319.0	0.81	-19.36	8.36e-03	-0.08	0.04	0.0
55	140	15.44	-8.85e-03	-9.72e-04	-38.72	0.0	-0.88	19.36	1.17e-03	0.01	-8.85e-03	0.0
		0.0	-0.02	1.08e-03	0.0	319.0	-0.88	-19.36	1.17e-03	0.01	-0.02	0.0
55	141	15.44	0.02	1.77e-03	-38.72	0.0	1.37	19.36	-1.25e-03	-0.01	9.04e-03	0.0
		0.0	9.04e-03	-1.08e-03	0.0	319.0	1.37	-19.36	-1.25e-03	-0.01	0.02	0.0
55	143	8.57	7.37e-05	4.94e-04	-21.50	0.0	0.21	10.75	-3.05e-05	2.56e-05	7.37e-05	0.0
		0.0	-2.34e-05	0.0	0.0	319.0	0.21	-10.75	-3.05e-05	2.56e-05	-2.34e-05	0.0
55	145	20.02	1.08e-04	8.82e-04	-50.21	0.0	0.27	25.10	-4.50e-05	9.13e-05	1.08e-04	0.0
		0.0	-3.54e-05	0.0	0.0	319.0	0.27	-25.10	-4.50e-05	9.13e-05	-3.54e-05	0.0
55	146	20.02	1.17e-04	9.26e-04	-50.21	0.0	0.33	25.10	-4.87e-05	8.00e-05	1.17e-04	0.0
		0.0	-3.79e-05	0.0	0.0	319.0	0.33	-25.10	-4.87e-05	8.00e-05	-3.79e-05	0.0
55	147	8.57	9.24e-05	5.82e-04	-21.50	0.0	0.33	10.75	-3.79e-05	2.98e-06	9.24e-05	0.0
		0.0	-2.84e-05	0.0	0.0	319.0	0.33	-10.75	-3.79e-05	2.98e-06	-2.84e-05	0.0
55	149	16.59	1.16e-04	8.54e-04	-41.59	0.0	0.37	20.80	-4.80e-05	4.90e-05	1.16e-04	0.0
		0.0	-3.68e-05	0.0	0.0	319.0	0.37	-20.80	-4.80e-05	4.90e-05	-3.68e-05	0.0
55	150	8.57	7.37e-05	4.94e-04	-21.50	0.0	0.21	10.75	-3.05e-05	2.56e-05	7.37e-05	0.0
		0.0	-2.34e-05	0.0	0.0	319.0	0.21	-10.75	-3.05e-05	2.56e-05	-2.34e-05	0.0
55	151	16.59	9.78e-05	7.65e-04	-41.59	0.0	0.25	20.80	-4.06e-05	7.16e-05	9.78e-05	0.0
		0.0	-3.18e-05	0.0	0.0	319.0	0.25	-20.80	-4.06e-05	7.16e-05	-3.18e-05	0.0
55	152	8.57	7.75e-05	5.11e-04	-21.50	0.0	0.23	10.75	-3.19e-05	2.11e-05	7.75e-05	0.0
		0.0	-2.44e-05	0.0	0.0	319.0	0.23	-10.75	-3.19e-05	2.11e-05	-2.44e-05	0.0
55	154	15.44	9.81e-05	7.44e-04	-38.72	0.0	0.27	19.36	-4.07e-05	6.05e-05	9.81e-05	0.0
		0.0	-3.16e-05	0.0	0.0	319.0	0.27	-19.36	-4.07e-05	6.05e-05	-3.16e-05	0.0
55	155	8.57	7.37e-05	4.94e-04	-21.50	0.0	0.21	10.75	-3.05e-05	2.56e-05	7.37e-05	0.0
		0.0	-2.34e-05	0.0	0.0	319.0	0.21	-10.75	-3.05e-05	2.56e-05	-2.34e-05	0.0
55	156	15.44	9.44e-05	7.27e-04	-38.72	0.0	0.25	19.36	-3.92e-05	6.50e-05	9.44e-05	0.0
		0.0	-3.06e-05	0.0	0.0	319.0	0.25	-19.36	-3.92e-05	6.50e-05	-3.06e-05	0.0
56	3	-5.59e-03	-1.17e-05	-2.27e-05	-11.13	0.0	0.72	3.49	8.30e-05	9.52e-05	-4.76e-05	-0.27
		-1.28	-4.76e-05	0.0	0.0	48.7	0.72	-7.63	8.30e-05	9.52e-05	-1.17e-05	-1.28
56	4	0.12	-1.38e-05	-2.70e-05	-11.13	0.0	0.79	3.45	8.46e-05	8.31e-05	-5.10e-05	-0.14
		-1.16	-5.10e-05	0.0	0.0	48.7	0.79	-7.67	8.46e-05	8.31e-05	-1.38e-05	-1.16
56	5	0.13	-6.38e-06	-1.43e-05	-2.99	0.0	0.27	0.89	3.18e-05	1.63e-05	-2.10e-05	0.06
		-0.23	-2.10e-05	0.0	0.0	48.7	0.27	-2.10	3.18e-05	1.63e-05	-6.38e-06	-0.23
56	9	0.44	-1.33e-05	-3.22e-05	-4.56	0.0	0.55	1.28	4.87e-05	1.08e-06	-3.66e-05	0.35
		-0.13	-3.66e-05	0.0	0.0	48.7	0.55	-3.27	4.87e-05	1.08e-06	-1.33e-05	-0.13
56	23	-0.61	-0.03	1.68e-04	-5.91	0.0	0.27	1.21	-8.47e-03	0.06	-0.03	-0.67
		-1.51	-0.03	5.76e-04	0.0	48.7	0.27	-4.69	-8.47e-03	0.06	-0.03	-1.51
56	26	0.76	0.03	-1.95e-04	-5.91	0.0	0.57	2.45	8.57e-03	-0.06	0.03	0.52
		0.26	0.03	-5.76e-04	0.0	48.7	0.57	-3.46	8.57e-03	-0.06	0.03	0.26
56	28	-0.85	-0.02	2.69e-04	-5.91	0.0	6.87e-03	0.92	-8.45e-03	0.06	-0.02	-0.89
		-1.86	-0.03	5.76e-04	0.0	48.7	6.87e-03	-4.99	-8.45e-03	0.06	-0.03	-1.86
56	29	1.03	0.03	-2.95e-04	-5.91	0.0	0.83	2.74	8.55e-03	-0.06	0.02	0.73
		0.61	0.02	-5.76e-04	0.0	48.7	0.83	-3.16	8.55e-03	-0.06	0.03	0.61
56	44	-0.62	-1.44e-03	2.38e-04	-5.91	0.0	-0.11	1.05	-5.09e-03	7.18e-03	-1.44e-03	-0.67
		-1.59	-0.01	9.81e-05	0.0	48.7	-0.11	-4.86	-5.09e-03	7.18e-03	-0.01	-1.59
56	45	0.79	0.01	-2.64e-04	-5.91	0.0	0.95	2.61	5.18e-03	-7.09e-03	1.38e-03	0.52
		0.34	1.38e-03	-9.80e-05	0.0	48.7	0.95	-3.30	5.18e-03	-7.09e-03	0.01	0.34
56	55	-0.51	-0.02	1.28e-04	-5.91	0.0	0.25	1.34	-9.13e-03	0.05	-0.02	-0.59
		-1.36	-0.02	4.56e-04	0.0	48.7	0.25	-4.57	-9.13e-03	0.05	-0.02	-1.36
56	58	0.65	0.02	-1.54e-04	-5.91	0.0	0.58	2.32	9.22e-03	-0.05	0.02	0.43
		0.11	0.02	-4.56e-04	0.0	48.7	0.58	-3.59	9.22e-03	-0.05	0.02	0.11
56	60	-0.77	-0.02	2.34e-04	-5.91	0.0	-0.02	1.03	-9.11e-03	0.05	-0.02	-0.82
		-1.73	-0.02	4.56e-04	0.0	48.7	-0.02	-4.88	-9.11e-03	0.05	-0.02	-1.73
56	61	0.94	0.02	-2.60e-04	-5.91	0.0	0.85	2.63	9.20e-03	-0.05	0.02	0.66
		0.48	0.02	-4.56e-04	0.0	48.7	0.85	-3.28	9.20e-03	-0.05	0.02	0.48
56	76	-0.62	2.57e-04	2.34e-04	-5.91	0.0	-0.14	1.07	-5.52e-03	4.10e-03	2.57e-04	-0.67
		-1.57	-0.01	5.25e-05	0.0	48.7	-0.14	-4.84	-5.52e-03	4.10e-03	-0.01	-1.57
56	77	0.78	0.01	-2.61e-04	-5.91	0.0	0.97	2.60	5.61e-03	-4.00e-03	-3.16e-04	0.51
		0.32	-3.16e-04	-5.24e-05	0.0	48.7	0.97	-3.31	5.61e-03	-4.00e-03	0.01	0.32
56	87	-0.44	-0.02	1.08e-04	-5.91	0.0	0.27	1.41	-8.20e-03	0.04	-0.02	-0.53
		-1.27	-0.02	3.94e-04	0.0	48.7	0.27	-4.50	-8.20e-03	0.04	-0.02	-1.27
56	90	0.57	0.02	-1.35e-04	-5.91	0.0	0.57	2.25	8.29e-03	-0.04	0.02	0.37
		0.02	0.02	-3.94e-04	0.0	48.7	0.57	-3.65	8.29e-03	-0.04	0.02	0.02
56	92	-0.68	-0.02	2.03e-04	-5.91	0.0	0.03	1.13	-8.18e-03	0.04	-0.02	-0.73

		-1.60	-0.02	3.94e-04	0.0	48.7	0.03	-4.78	-8.18e-03	0.04	-0.02	-1.60
56	93	0.83	0.02	-2.30e-04	-5.91	0.0	0.81	2.53	8.27e-03	-0.04	0.02	0.57
		0.35	0.02	-3.94e-04	0.0	48.7	0.81	-3.38	8.27e-03	-0.04	0.02	0.35
56	108	-0.55	3.66e-04	2.07e-04	-5.91	0.0	-0.08	1.15	-4.95e-03	3.36e-03	3.66e-04	-0.60
		-1.47	-0.01	4.27e-05	0.0	48.7	-0.08	-4.76	-4.95e-03	3.36e-03	-0.01	-1.47
56	109	0.70	0.01	-2.33e-04	-5.91	0.0	0.91	2.51	5.05e-03	-3.27e-03	-4.24e-04	0.45
		0.21	-4.24e-04	-4.27e-05	0.0	48.7	0.91	-3.40	5.05e-03	-3.27e-03	0.01	0.21
56	119	-0.78	-0.03	2.21e-04	-5.91	0.0	0.24	1.04	-9.85e-03	0.07	-0.04	-0.82
		-1.75	-0.04	7.37e-04	0.0	48.7	0.24	-4.87	-9.85e-03	0.07	-0.03	-1.75
56	122	0.95	0.04	-2.48e-04	-5.91	0.0	0.60	2.62	9.94e-03	-0.07	0.04	0.67
		0.49	0.03	-7.37e-04	0.0	48.7	0.60	-3.29	9.94e-03	-0.07	0.03	0.49
56	124	-1.05	-0.03	3.38e-04	-5.91	0.0	-0.06	0.69	-9.82e-03	0.07	-0.03	-1.08
		-2.16	-0.03	7.37e-04	0.0	48.7	-0.06	-5.21	-9.82e-03	0.07	-0.03	-2.16
56	125	1.27	0.03	-3.64e-04	-5.91	0.0	0.89	2.97	9.92e-03	-0.07	0.03	0.92
		0.91	0.03	-7.37e-04	0.0	48.7	0.89	-2.94	9.92e-03	-0.07	0.03	0.91
56	140	-0.75	-2.54e-03	2.86e-04	-5.91	0.0	-0.20	0.90	-5.89e-03	9.94e-03	-2.54e-03	-0.79
		-1.77	-0.02	1.38e-04	0.0	48.7	-0.20	-5.01	-5.89e-03	9.94e-03	-0.02	-1.77
56	141	0.93	0.02	-3.12e-04	-5.91	0.0	1.03	2.76	5.99e-03	-9.85e-03	2.48e-03	0.63
		0.52	2.48e-03	-1.38e-04	0.0	48.7	1.03	-3.14	5.99e-03	-9.85e-03	0.02	0.52
56	143	0.13	-6.73e-06	-1.48e-05	-3.28	0.0	0.29	0.98	3.36e-05	1.81e-05	-2.21e-05	0.06
		-0.26	-2.21e-05	0.0	0.0	48.7	0.29	-2.30	3.36e-05	1.81e-05	-6.73e-06	-0.26
56	145	9.93e-03	-8.45e-06	-1.65e-05	-7.66	0.0	0.50	2.40	5.86e-05	6.47e-05	-3.39e-05	-0.17
		-0.87	-3.39e-05	0.0	0.0	48.7	0.50	-5.26	5.86e-05	6.47e-05	-8.45e-06	-0.87
56	146	0.10	-9.85e-06	-1.94e-05	-7.66	0.0	0.55	2.37	5.97e-05	5.67e-05	-3.62e-05	-0.08
		-0.79	-3.62e-05	0.0	0.0	48.7	0.55	-5.29	5.97e-05	5.67e-05	-9.85e-06	-0.79
56	147	0.31	-9.53e-06	-2.31e-05	-3.28	0.0	0.39	0.92	3.57e-05	1.95e-06	-2.66e-05	0.24
		-0.11	-2.66e-05	0.0	0.0	48.7	0.39	-2.36	3.57e-05	1.95e-06	-9.53e-06	-0.11
56	150	0.13	-6.73e-06	-1.48e-05	-3.28	0.0	0.29	0.98	3.36e-05	1.81e-05	-2.21e-05	0.06
		-0.26	-2.21e-05	0.0	0.0	48.7	0.29	-2.30	3.36e-05	1.81e-05	-6.73e-06	-0.26
56	151	0.05	-7.94e-06	-1.56e-05	-6.35	0.0	0.44	1.97	5.11e-05	5.07e-05	-3.04e-05	-0.10
		-0.69	-3.04e-05	0.0	0.0	48.7	0.44	-4.37	5.11e-05	5.07e-05	-7.94e-06	-0.69
56	152	0.17	-7.29e-06	-1.65e-05	-3.28	0.0	0.31	0.97	3.40e-05	1.49e-05	-2.30e-05	0.10
		-0.23	-2.30e-05	0.0	0.0	48.7	0.31	-2.31	3.40e-05	1.49e-05	-7.29e-06	-0.23
56	155	0.13	-6.73e-06	-1.48e-05	-3.28	0.0	0.29	0.98	3.36e-05	1.81e-05	-2.21e-05	0.06
		-0.26	-2.21e-05	0.0	0.0	48.7	0.29	-2.30	3.36e-05	1.81e-05	-6.73e-06	-0.26
56	156	0.06	-7.77e-06	-1.54e-05	-5.91	0.0	0.42	1.83	4.86e-05	4.61e-05	-2.92e-05	-0.08
		-0.63	-2.92e-05	0.0	0.0	48.7	0.42	-4.08	4.86e-05	4.61e-05	-7.77e-06	-0.63
57	3	-0.58	-2.30e-06	-4.21e-05	-11.13	0.0	0.46	5.66	2.74e-05	2.95e-05	-1.32e-05	-1.28
		-1.28	-1.32e-05	0.0	0.0	48.7	0.46	-5.46	2.74e-05	2.95e-05	-2.30e-06	-1.28
57	5	-0.10	-1.49e-06	-1.78e-05	-2.99	0.0	0.23	1.28	1.18e-05	5.10e-06	-6.72e-06	-0.23
		-0.34	-6.72e-06	0.0	0.0	48.7	0.23	-1.71	1.18e-05	5.10e-06	-1.49e-06	-0.34
57	11	-0.33	-3.52e-06	-4.23e-05	-9.15	0.0	0.62	4.07	2.87e-05	1.57e-05	-1.61e-05	-0.77
		-1.02	-1.61e-05	0.0	0.0	48.7	0.62	-5.09	2.87e-05	1.57e-05	-3.52e-06	-1.02
57	12	0.05	-2.76e-06	-2.34e-05	-2.99	0.0	0.43	0.79	1.62e-05	-2.22e-06	-1.06e-05	-4.62e-04
		-0.34	-1.06e-05	0.0	0.0	48.7	0.43	-2.20	1.62e-05	-2.22e-06	-2.76e-06	-0.34
57	24	-0.54	-0.02	1.97e-04	-5.91	0.0	0.37	5.52	0.02	0.06	-0.03	-1.83
		-1.83	-0.03	6.24e-04	0.0	48.7	0.37	-0.38	0.02	0.06	-0.02	-0.55
57	25	0.58	0.03	-2.47e-04	-5.91	0.0	0.23	0.26	-0.02	-0.06	0.03	0.58
		-0.76	0.02	-6.24e-04	0.0	48.7	0.23	-5.65	-0.02	-0.06	0.02	-0.76
57	28	-0.54	-0.03	2.00e-04	-5.91	0.0	0.36	5.60	0.01	0.05	-0.03	-1.86
		-1.86	-0.03	5.74e-04	0.0	48.7	0.36	-0.31	0.01	0.05	-0.03	-0.55
57	29	0.61	0.03	-2.51e-04	-5.91	0.0	0.23	0.19	-0.01	-0.05	0.03	0.61
		-0.77	0.03	-5.74e-04	0.0	48.7	0.23	-5.72	-0.01	-0.05	0.03	-0.77
57	43	-0.11	-1.52e-03	-5.43e-05	-5.91	0.0	0.61	2.12	6.92e-03	0.03	-0.02	-0.29
		-0.70	-0.02	2.64e-04	0.0	48.7	0.61	-3.78	6.92e-03	0.03	-1.52e-03	-0.70
57	46	-0.40	0.02	-5.18e-06	-5.91	0.0	-0.01	3.66	-6.88e-03	-0.03	0.02	-0.96
		-0.96	1.52e-03	-2.64e-04	0.0	48.7	-0.01	-2.25	-6.88e-03	-0.03	1.52e-03	-0.96
57	56	-0.54	-0.02	1.67e-04	-5.91	0.0	0.38	5.22	0.01	0.05	-0.03	-1.70
		-1.70	-0.03	5.11e-04	0.0	48.7	0.38	-0.69	0.01	0.05	-0.02	-0.56
57	57	0.46	0.03	-2.17e-04	-5.91	0.0	0.22	0.57	-0.01	-0.05	0.03	0.45
		-0.75	0.02	-5.11e-04	0.0	48.7	0.22	-5.34	-0.01	-0.05	0.02	-0.75
57	60	-0.54	-0.02	1.70e-04	-5.91	0.0	0.37	5.28	0.01	0.05	-0.02	-1.73
		-1.73	-0.02	4.54e-04	0.0	48.7	0.37	-0.62	0.01	0.05	-0.02	-0.56
57	61	0.49	0.02	-2.21e-04	-5.91	0.0	0.22	0.50	-0.01	-0.05	0.02	0.48
		-0.76	0.02	-4.54e-04	0.0	48.7	0.22	-5.41	-0.01	-0.05	0.02	-0.76
57	75	-0.07	5.65e-05	-6.54e-05	-5.91	0.0	0.62	1.97	6.34e-03	0.03	-0.01	-0.22
		-0.71	-0.01	2.39e-04	0.0	48.7	0.62	-3.93	6.34e-03	0.03	5.65e-05	-0.71
57	78	-0.42	0.01	1.50e-05	-5.91	0.0	-0.03	3.81	-6.31e-03	-0.03	0.01	-1.03
		-1.03	-5.97e-05	-2.39e-04	0.0	48.7	-0.03	-2.10	-6.31e-03	-0.03	-5.97e-05	-0.60
57	88	-0.54	-0.02	1.43e-04	-5.91	0.0	0.37	4.93	0.01	0.05	-0.02	-1.57
		-1.57	-0.02	4.43e-04	0.0	48.7	0.37	-0.98	0.01	0.05	-0.02	-0.57
57	89	0.35	0.02	-1.93e-04	-5.91	0.0	0.23	0.85	-0.01	-0.05	0.02	0.32
		-0.74	0.02	-4.43e-04	0.0	48.7	0.23	-5.06	-0.01	-0.05	0.02	-0.74
57	92	-0.54	-0.02	1.46e-04	-5.91	0.0	0.37	4.99	0.01	0.04	-0.02	-1.60
		-1.60	-0.02	3.93e-04	0.0	48.7	0.37	-0.92	0.01	0.04	-0.02	-0.57

57	93	0.37	0.02	-1.96e-04	-5.91	0.0	0.23	0.79	-0.01	-0.04	0.02	0.35
		-0.74	0.02	-3.93e-04	0.0	48.7	0.23	-5.12	-0.01	-0.04	0.02	-0.74
57	107	-0.09	1.82e-04	-6.19e-05	-5.91	0.0	0.59	2.06	5.60e-03	0.02	-0.01	-0.26
		-0.71	-0.01	2.10e-04	0.0	48.7	0.59	-3.85	5.60e-03	0.02	1.82e-04	-0.71
57	110	-0.41	0.01	1.15e-05	-5.91	0.0	7.23e-03	3.72	-5.56e-03	-0.02	0.01	-0.99
		-0.99	-1.85e-04	-2.10e-04	0.0	48.7	7.23e-03	-2.19	-5.56e-03	-0.02	-1.85e-04	-0.61
57	120	-0.52	-0.03	2.52e-04	-5.91	0.0	0.37	6.16	0.02	0.08	-0.04	-2.12
		-2.12	-0.04	7.90e-04	0.0	48.7	0.37	0.25	0.02	0.08	-0.03	-0.52
57	121	0.87	0.04	-3.02e-04	-5.91	0.0	0.22	-0.38	-0.02	-0.08	0.04	0.87
		-0.79	0.03	-7.90e-04	0.0	48.7	0.22	-6.29	-0.02	-0.08	0.03	-0.79
57	124	-0.52	-0.03	2.56e-04	-5.91	0.0	0.37	6.25	0.02	0.07	-0.04	-2.16
		-2.16	-0.04	7.34e-04	0.0	48.7	0.37	0.34	0.02	0.07	-0.03	-0.52
57	125	0.91	0.04	-3.06e-04	-5.91	0.0	0.22	-0.47	-0.02	-0.07	0.04	0.91
		-0.79	0.03	-7.34e-04	0.0	48.7	0.22	-6.37	-0.02	-0.07	0.03	-0.79
57	139	-0.09	-2.57e-03	-5.38e-05	-5.91	0.0	0.66	2.06	8.48e-03	0.03	-0.02	-0.26
		-0.71	-0.02	3.22e-04	0.0	48.7	0.66	-3.85	8.48e-03	0.03	-2.57e-03	-0.71
57	142	-0.41	0.02	-5.36e-06	-5.91	0.0	-0.06	3.72	-8.45e-03	-0.03	0.02	-0.99
		-0.99	2.57e-03	-3.22e-04	0.0	48.7	-0.06	-2.18	-8.45e-03	-0.03	2.57e-03	-0.60
57	143	-0.11	-1.57e-06	-1.88e-05	-3.28	0.0	0.25	1.42	1.25e-05	5.66e-06	-7.09e-06	-0.26
		-0.37	-7.09e-06	0.0	0.0	48.7	0.25	-1.86	1.25e-05	5.66e-06	-1.57e-06	-0.37
57	145	-0.39	-1.69e-06	-2.98e-05	-7.66	0.0	0.33	3.87	1.95e-05	2.01e-05	-9.53e-06	-0.87
		-0.87	-9.53e-06	0.0	0.0	48.7	0.33	-3.79	1.95e-05	2.01e-05	-1.69e-06	-0.85
57	147	-0.02	-2.41e-06	-2.25e-05	-3.28	0.0	0.38	1.09	1.55e-05	0.0	-9.69e-06	-0.11
		-0.37	-9.69e-06	0.0	0.0	48.7	0.38	-2.19	1.55e-05	0.0	-2.41e-06	-0.37
57	149	-0.23	-2.50e-06	-3.00e-05	-6.35	0.0	0.44	2.81	2.03e-05	1.09e-05	-1.14e-05	-0.53
		-0.71	-1.14e-05	0.0	0.0	48.7	0.44	-3.54	2.03e-05	1.09e-05	-2.50e-06	-0.71
57	150	-0.11	-1.57e-06	-1.88e-05	-3.28	0.0	0.25	1.42	1.25e-05	5.66e-06	-7.09e-06	-0.26
		-0.37	-7.09e-06	0.0	0.0	48.7	0.25	-1.86	1.25e-05	5.66e-06	-1.57e-06	-0.37
57	151	-0.31	-1.65e-06	-2.64e-05	-6.35	0.0	0.30	3.14	1.74e-05	1.57e-05	-1.81e-06	-0.69
		-0.70	-8.80e-06	0.0	0.0	48.7	0.30	-3.21	1.74e-05	1.57e-05	-1.65e-06	-0.70
57	152	-0.09	-1.74e-06	-1.95e-05	-3.28	0.0	0.27	1.35	1.31e-05	4.68e-06	-7.61e-06	-0.23
		-0.37	-7.61e-06	0.0	0.0	48.7	0.27	-1.93	1.31e-05	4.68e-06	-1.74e-06	-0.37
57	154	-0.27	-1.81e-06	-2.60e-05	-5.91	0.0	0.32	2.83	1.73e-05	1.33e-05	-9.07e-06	-0.59
		-0.66	-9.07e-06	0.0	0.0	48.7	0.32	-3.08	1.73e-05	1.33e-05	-1.81e-06	-0.66
57	155	-0.11	-1.57e-06	-1.88e-05	-3.28	0.0	0.25	1.42	1.25e-05	5.66e-06	-7.09e-06	-0.26
		-0.37	-7.09e-06	0.0	0.0	48.7	0.25	-1.86	1.25e-05	5.66e-06	-1.57e-06	-0.37
57	156	-0.28	-1.64e-06	-2.53e-05	-5.91	0.0	0.30	2.89	1.67e-05	1.43e-05	-8.55e-06	-0.63
		-0.66	-8.55e-06	0.0	0.0	48.7	0.30	-3.02	1.67e-05	1.43e-05	-1.64e-06	-0.66
58	3	0.20	0.0	-6.69e-05	-11.13	0.0	0.17	8.09	1.06e-05	1.70e-05	-3.24e-06	-1.23
		-1.23	-3.24e-06	0.0	0.0	48.7	0.17	-3.04	1.06e-05	1.70e-05	0.0	0.0
58	4	0.20	0.0	-7.16e-05	-11.13	0.0	0.23	8.10	1.14e-05	1.50e-05	-3.79e-06	-1.23
		-1.23	-3.79e-06	0.0	0.0	48.7	0.23	-3.03	1.14e-05	1.50e-05	0.0	0.0
58	7	0.17	0.0	-5.49e-05	-9.56	0.0	0.12	6.95	8.72e-06	1.53e-05	-2.51e-06	-1.05
		-1.05	-2.51e-06	0.0	0.0	48.7	0.12	-2.61	8.72e-06	1.53e-05	0.0	0.0
58	9	0.08	0.0	-4.77e-05	-4.56	0.0	0.31	3.34	7.66e-06	0.0	-3.51e-06	-0.52
		-0.52	-3.51e-06	0.0	0.0	48.7	0.31	-1.21	7.66e-06	0.0	0.0	0.0
58	11	0.16	0.0	-6.77e-05	-9.15	0.0	0.30	6.68	1.08e-05	9.32e-06	-4.09e-06	-1.02
		-1.02	-4.09e-06	0.0	0.0	48.7	0.30	-2.48	1.08e-05	9.32e-06	0.0	0.0
58	24	0.14	4.19e-03	2.13e-04	-5.91	0.0	0.14	4.08	0.08	0.04	-0.03	-0.55
		-0.55	-0.03	6.22e-04	0.0	48.7	0.14	-1.83	0.08	0.04	4.19e-03	-1.52e-06
58	25	0.08	0.03	-2.92e-04	-5.91	0.0	0.11	4.52	-0.08	-0.04	0.03	-0.76
		-0.76	-4.19e-03	-6.22e-04	0.0	48.7	0.11	-1.39	-0.08	-0.04	-4.19e-03	2.17e-06
58	28	0.14	3.78e-03	2.19e-04	-5.91	0.0	0.15	4.08	0.07	0.03	-0.03	-0.55
		-0.55	-0.03	5.71e-04	0.0	48.7	0.15	-1.83	0.07	0.03	3.78e-03	-1.57e-06
58	29	0.08	0.03	-2.98e-04	-5.91	0.0	0.11	4.53	-0.07	-0.03	0.03	-0.76
		-0.77	-3.78e-03	-5.71e-04	0.0	48.7	0.11	-1.38	-0.07	-0.03	-3.78e-03	2.21e-06
58	35	0.10	5.03e-04	-9.11e-05	-5.91	0.0	0.23	4.38	6.61e-03	4.63e-03	-2.66e-03	-0.69
		-0.69	-2.66e-03	9.36e-05	0.0	48.7	0.23	-1.53	6.61e-03	4.63e-03	5.03e-04	0.0
58	38	0.12	2.66e-03	1.20e-05	-5.91	0.0	0.02	4.22	-6.60e-03	-4.61e-03	2.66e-03	-0.62
		-0.62	-5.03e-04	-9.36e-05	0.0	48.7	0.02	-1.68	-6.60e-03	-4.61e-03	-5.03e-04	0.0
58	56	0.13	3.61e-03	1.79e-04	-5.91	0.0	0.15	4.10	0.06	0.03	-0.03	-0.56
		-0.56	-0.03	5.10e-04	0.0	48.7	0.15	-1.81	0.06	0.03	3.61e-03	-1.27e-06
58	57	0.08	0.03	-2.58e-04	-5.91	0.0	0.10	4.50	-0.06	-0.03	0.03	-0.75
		-0.75	-3.61e-03	-5.10e-04	0.0	48.7	0.10	-1.41	-0.06	-0.03	-3.61e-03	1.92e-06
58	67	0.09	2.76e-04	-1.08e-04	-5.91	0.0	0.24	4.39	2.01e-03	2.69e-03	-6.50e-04	-0.70
		-0.70	-6.50e-04	4.90e-05	0.0	48.7	0.24	-1.51	2.01e-03	2.69e-03	2.76e-04	0.0
58	70	0.12	6.46e-04	2.90e-05	-5.91	0.0	0.02	4.21	-1.99e-03	-2.68e-03	6.46e-04	-0.61
		-0.61	-2.75e-04	-4.89e-05	0.0	48.7	0.02	-1.70	-1.99e-03	-2.68e-03	-2.75e-04	0.0
58	76	0.14	2.81e-04	1.58e-04	-5.91	0.0	0.05	4.09	2.09e-03	2.74e-03	-6.84e-04	-0.55
		-0.55	-6.84e-04	4.94e-05	0.0	48.7	0.05	-1.81	2.09e-03	2.74e-03	2.81e-04	-1.12e-06
58	77	0.08	6.80e-04	-2.37e-04	-5.91	0.0	0.20	4.51	-2.07e-03	-2.72e-03	6.80e-04	-0.76
		-0.76	-2.80e-04	-4.94e-05	0.0	48.7	0.20	-1.40	-2.07e-03	-2.72e-03	-2.80e-04	1.77e-06
58	88	0.13	3.16e-03	1.52e-04	-5.91	0.0	0.15	4.12	0.06	0.03	-0.02	-0.57
		-0.57	-0.02	4.43e-04	0.0	48.7	0.15	-1.78	0.06	0.03	3.16e-03	-1.08e-06
58	89	0.08	0.02	-2.31e-04	-5.91	0.0	0.11	4.48	-0.06	-0.03	0.02	-0.74

		-0.74	-3.16e-03	-4.43e-04	0.0	48.7	0.11	-1.43	-0.06	-0.03	-3.16e-03	1.72e-06
58	99	0.10	2.25e-04	-1.02e-04	-5.91	0.0	0.22	4.39	1.40e-03	2.22e-03	-4.08e-04	-0.70
		-0.70	-4.08e-04	3.97e-05	0.0	48.7	0.22	-1.52	1.40e-03	2.22e-03	2.25e-04	0.0
58	102	0.12	4.04e-04	2.31e-05	-5.91	0.0	0.03	4.22	-1.38e-03	-2.20e-03	4.04e-04	-0.61
		-0.61	-2.25e-04	-3.97e-05	0.0	48.7	0.03	-1.69	-1.38e-03	-2.20e-03	-2.25e-04	0.0
58	108	0.13	2.29e-04	1.36e-04	-5.91	0.0	0.06	4.12	1.47e-03	2.26e-03	-4.39e-04	-0.57
		-0.57	-4.39e-04	4.01e-05	0.0	48.7	0.06	-1.79	1.47e-03	2.26e-03	2.29e-04	0.0
58	109	0.08	4.35e-04	-2.15e-04	-5.91	0.0	0.19	4.49	-1.45e-03	-2.24e-03	4.35e-04	-0.75
		-0.75	-2.29e-04	-4.01e-05	0.0	48.7	0.19	-1.42	-1.45e-03	-2.24e-03	-2.29e-04	1.61e-06
58	120	0.14	5.25e-03	2.75e-04	-5.91	0.0	0.15	4.03	0.10	0.05	-0.04	-0.52
		-0.52	-0.04	7.88e-04	0.0	48.7	0.15	-1.88	0.10	0.05	5.25e-03	-1.97e-06
58	121	0.07	0.04	-3.54e-04	-5.91	0.0	0.11	4.57	-0.10	-0.05	0.04	-0.79
		-0.79	-5.25e-03	-7.88e-04	0.0	48.7	0.11	-1.34	-0.10	-0.05	-5.25e-03	2.62e-06
58	124	0.15	4.77e-03	2.83e-04	-5.91	0.0	0.15	4.03	0.09	0.04	-0.04	-0.52
		-0.52	-0.04	7.31e-04	0.0	48.7	0.15	-1.88	0.09	0.04	4.77e-03	-2.03e-06
58	125	0.07	0.04	-3.62e-04	-5.91	0.0	0.11	4.58	-0.09	-0.04	0.04	-0.79
		-0.79	-4.77e-03	-7.31e-04	0.0	48.7	0.11	-1.33	-0.09	-0.04	-4.77e-03	2.68e-06
58	131	0.10	7.04e-04	-9.27e-05	-5.91	0.0	0.25	4.39	0.01	6.39e-03	-4.13e-03	-0.70
		-0.70	-4.13e-03	1.32e-04	0.0	48.7	0.25	-1.52	0.01	6.39e-03	7.04e-04	0.0
58	134	0.12	4.13e-03	1.36e-05	-5.91	0.0	7.34e-03	4.22	-0.01	-6.37e-03	4.13e-03	-0.61
		-0.61	-7.04e-04	-1.32e-04	0.0	48.7	7.34e-03	-1.69	-0.01	-6.37e-03	-7.04e-04	0.0
58	145	0.14	0.0	-4.72e-05	-7.66	0.0	0.12	5.57	7.52e-06	1.15e-05	-2.33e-06	-0.85
		-0.85	-2.33e-06	0.0	0.0	48.7	0.12	-2.09	7.52e-06	1.15e-05	0.0	0.0
58	146	0.14	0.0	-5.03e-05	-7.66	0.0	0.17	5.58	8.01e-06	1.02e-05	-2.70e-06	-0.85
		-0.85	-2.70e-06	0.0	0.0	48.7	0.17	-2.08	8.01e-06	1.02e-05	0.0	0.0
58	147	0.06	0.0	-3.43e-05	-3.28	0.0	0.22	2.41	5.52e-06	0.0	-2.51e-06	-0.37
		-0.37	-2.51e-06	0.0	0.0	48.7	0.22	-0.87	5.52e-06	0.0	0.0	0.0
58	149	0.11	0.0	-4.77e-05	-6.35	0.0	0.21	4.63	7.61e-06	6.44e-06	-2.90e-06	-0.71
		-0.71	-2.90e-06	0.0	0.0	48.7	0.21	-1.72	7.61e-06	6.44e-06	0.0	0.0
58	151	0.11	0.0	-4.14e-05	-6.35	0.0	0.13	4.62	6.62e-06	9.09e-06	-2.17e-06	-0.70
		-0.70	-2.17e-06	0.0	0.0	48.7	0.13	-1.73	6.62e-06	9.09e-06	0.0	0.0
58	152	0.06	0.0	-2.93e-05	-3.28	0.0	0.15	2.40	4.74e-06	2.84e-06	-1.93e-06	-0.37
		-0.37	-1.93e-06	0.0	0.0	48.7	0.15	-0.88	4.74e-06	2.84e-06	0.0	0.0
58	154	0.11	0.0	-4.08e-05	-5.91	0.0	0.14	4.30	6.52e-06	7.74e-06	-2.26e-06	-0.66
		-0.66	-2.26e-06	0.0	0.0	48.7	0.14	-1.60	6.52e-06	7.74e-06	0.0	0.0
58	155	0.06	0.0	-2.81e-05	-3.28	0.0	0.13	2.40	4.54e-06	3.37e-06	-1.78e-06	-0.37
		-0.37	-1.78e-06	0.0	0.0	48.7	0.13	-0.88	4.54e-06	3.37e-06	0.0	0.0
58	156	0.11	0.0	-3.95e-05	-5.91	0.0	0.13	4.30	6.33e-06	8.27e-06	-2.11e-06	-0.66
		-0.66	-2.11e-06	0.0	0.0	48.7	0.13	-1.61	6.33e-06	8.27e-06	0.0	0.0
59	4	11.49	2.01e-04	1.40e-03	-28.81	0.0	-0.94	14.40	-8.38e-05	0.0	2.01e-04	0.0
		0.0	-6.59e-05	0.0	0.0	319.0	-0.94	-14.40	-8.38e-05	0.0	-6.59e-05	0.0
59	5	5.52	9.08e-05	4.81e-04	-13.84	0.0	-0.33	6.92	-3.75e-05	0.0	9.08e-05	0.0
		0.0	-2.89e-05	0.0	0.0	319.0	-0.33	-6.92	-3.75e-05	0.0	-2.89e-05	0.0
59	9	14.92	2.51e-04	8.35e-04	-37.42	0.0	-0.69	18.71	-1.03e-04	0.0	2.51e-04	0.0
		0.0	-7.81e-05	0.0	0.0	319.0	-0.69	-18.71	-1.03e-04	0.0	-7.81e-05	0.0
59	11	14.92	2.58e-04	1.27e-03	-37.42	0.0	-0.94	18.71	-1.06e-04	0.0	2.58e-04	0.0
		0.0	-8.20e-05	0.0	0.0	319.0	-0.94	-18.71	-1.06e-04	0.0	-8.20e-05	0.0
59	12	12.39	2.08e-04	6.11e-04	-31.07	0.0	-0.53	15.53	-8.55e-05	0.0	2.08e-04	0.0
		0.0	-6.44e-05	0.0	0.0	319.0	-0.53	-15.53	-8.55e-05	0.0	-6.44e-05	0.0
59	17	5.90	0.01	1.67e-03	-14.80	0.0	1.08	7.40	-1.87e-03	0.0	0.01	0.0
		0.0	9.61e-03	-5.08e-03	0.0	319.0	1.08	-7.40	-1.87e-03	0.0	9.61e-03	0.0
59	23	5.90	-6.35e-03	-2.65e-04	-14.80	0.0	-2.13	7.40	-4.62e-03	0.0	-6.35e-03	0.0
		0.0	-0.02	5.43e-03	0.0	319.0	-2.13	-7.40	-4.62e-03	0.0	-0.02	0.0
59	26	5.90	0.02	1.45e-03	-14.80	0.0	1.14	7.40	4.54e-03	0.0	6.55e-03	0.0
		0.0	6.55e-03	-5.43e-03	0.0	319.0	1.14	-7.40	4.54e-03	0.0	0.02	0.0
59	28	5.90	-7.82e-03	-4.46e-04	-14.80	0.0	-2.71	7.40	-3.65e-03	0.0	-7.82e-03	0.0
		0.0	-0.02	5.43e-03	0.0	319.0	-2.71	-7.40	-3.65e-03	0.0	-0.02	0.0
59	29	5.90	0.02	1.79e-03	-14.80	0.0	1.71	7.40	3.57e-03	0.0	8.02e-03	0.0
		0.0	8.02e-03	-5.43e-03	0.0	319.0	1.71	-7.40	3.57e-03	0.0	0.02	0.0
59	32	5.90	6.71e-04	-2.96e-04	-14.80	0.0	-1.71	7.40	2.08e-03	0.0	-5.61e-03	0.0
		0.0	-5.61e-03	1.75e-03	0.0	319.0	-1.71	-7.40	2.08e-03	0.0	6.71e-04	0.0
59	49	5.90	9.96e-03	1.61e-03	-14.80	0.0	1.04	7.40	-2.00e-03	0.0	9.96e-03	0.0
		0.0	9.06e-03	-4.36e-03	0.0	319.0	1.04	-7.40	-2.00e-03	0.0	9.06e-03	0.0
59	55	5.90	-5.43e-03	-2.14e-04	-14.80	0.0	-1.98	7.40	-4.79e-03	0.0	-5.43e-03	0.0
		0.0	-0.02	4.37e-03	0.0	319.0	-1.98	-7.40	-4.79e-03	0.0	-0.02	0.0
59	58	5.90	0.02	1.33e-03	-14.80	0.0	0.99	7.40	4.70e-03	0.0	5.63e-03	0.0
		0.0	5.63e-03	-4.36e-03	0.0	319.0	0.99	-7.40	4.70e-03	0.0	0.02	0.0
59	60	5.90	-7.04e-03	-3.90e-04	-14.80	0.0	-2.59	7.40	-3.74e-03	0.0	-7.04e-03	0.0
		0.0	-0.01	4.37e-03	0.0	319.0	-2.59	-7.40	-3.74e-03	0.0	-0.01	0.0
59	61	5.90	0.01	1.69e-03	-14.80	0.0	1.60	7.40	3.66e-03	0.0	7.25e-03	0.0
		0.0	7.25e-03	-4.37e-03	0.0	319.0	1.60	-7.40	3.66e-03	0.0	0.01	0.0
59	64	5.90	1.10e-03	-3.01e-04	-14.80	0.0	-1.76	7.40	2.23e-03	0.0	-5.47e-03	0.0
		0.0	-5.47e-03	1.54e-03	0.0	319.0	-1.76	-7.40	2.23e-03	0.0	1.10e-03	0.0
59	81	5.90	8.74e-03	1.51e-03	-14.80	0.0	0.87	7.40	-1.80e-03	0.0	8.74e-03	0.0
		0.0	8.00e-03	-3.80e-03	0.0	319.0	0.87	-7.40	-1.80e-03	0.0	8.00e-03	0.0

59	87	5.90	-4.73e-03	2.77e-04	-14.80	0.0	-1.81	7.40	-4.29e-03	0.0	-4.73e-03	0.0
		0.0	-0.01	3.78e-03	0.0	319.0	-1.81	-7.40	-4.29e-03	0.0	-0.01	0.0
59	90	5.90	0.01	1.26e-03	-14.80	0.0	0.81	7.40	4.20e-03	0.0	4.93e-03	0.0
		0.0	4.93e-03	-3.78e-03	0.0	319.0	0.81	-7.40	4.20e-03	0.0	0.01	0.0
59	92	5.90	-6.17e-03	-3.30e-04	-14.80	0.0	-2.35	7.40	-3.35e-03	0.0	-6.17e-03	0.0
		0.0	-0.01	3.78e-03	0.0	319.0	-2.35	-7.40	-3.35e-03	0.0	-0.01	0.0
59	93	5.90	0.01	1.58e-03	-14.80	0.0	1.36	7.40	3.27e-03	0.0	6.37e-03	0.0
		0.0	6.37e-03	-3.78e-03	0.0	319.0	1.36	-7.40	3.27e-03	0.0	0.01	0.0
59	96	5.90	1.02e-03	-2.61e-04	-14.80	0.0	-1.63	7.40	1.99e-03	0.0	-4.82e-03	0.0
		0.0	-4.82e-03	1.35e-03	0.0	319.0	-1.63	-7.40	1.99e-03	0.0	1.02e-03	0.0
59	113	5.90	0.01	1.87e-03	-14.80	0.0	1.39	7.40	-2.16e-03	0.0	0.01	0.0
		0.0	0.01	-6.32e-03	0.0	319.0	1.39	-7.40	-2.16e-03	0.0	0.01	0.0
59	119	5.90	-7.99e-03	-3.58e-04	-14.80	0.0	-2.52	7.40	-5.45e-03	0.0	-7.99e-03	0.0
		0.0	-0.02	6.91e-03	0.0	319.0	-2.52	-7.40	-5.45e-03	0.0	-0.02	0.0
59	122	5.90	0.02	1.63e-03	-14.80	0.0	1.53	7.40	5.37e-03	0.0	8.20e-03	0.0
		0.0	8.20e-03	-6.91e-03	0.0	319.0	1.53	-7.40	5.37e-03	0.0	0.02	0.0
59	124	5.90	-9.65e-03	-6.00e-04	-14.80	0.0	-3.19	7.40	-4.34e-03	0.0	-9.65e-03	0.0
		0.0	-0.02	6.91e-03	0.0	319.0	-3.19	-7.40	-4.34e-03	0.0	-0.02	0.0
59	125	5.90	0.02	2.03e-03	-14.80	0.0	2.19	7.40	4.25e-03	0.0	9.85e-03	0.0
		0.0	9.85e-03	-6.91e-03	0.0	319.0	2.19	-7.40	4.25e-03	0.0	0.02	0.0
59	128	5.90	6.18e-04	-3.64e-04	-14.80	0.0	-1.91	7.40	2.41e-03	0.0	-6.69e-03	0.0
		0.0	-6.69e-03	2.17e-03	0.0	319.0	-1.91	-7.40	2.41e-03	0.0	6.18e-04	0.0
59	143	5.90	9.77e-05	5.16e-04	-14.80	0.0	-0.36	7.40	-4.04e-05	0.0	9.77e-05	0.0
		0.0	-3.11e-05	0.0	0.0	319.0	-0.36	-7.40	-4.04e-05	0.0	-3.11e-05	0.0
59	146	8.19	1.43e-04	9.77e-04	-20.54	0.0	-0.66	10.27	-5.93e-05	0.0	1.43e-04	0.0
		0.0	-4.66e-05	0.0	0.0	319.0	-0.66	-10.27	-5.93e-05	0.0	-4.66e-05	0.0
59	147	10.48	1.76e-04	6.02e-04	-26.28	0.0	-0.49	13.14	-7.24e-05	0.0	1.76e-04	0.0
		0.0	-5.47e-05	0.0	0.0	319.0	-0.49	-13.14	-7.24e-05	0.0	-5.47e-05	0.0
59	149	10.48	1.80e-04	8.95e-04	-26.28	0.0	-0.65	13.14	-7.44e-05	0.0	1.80e-04	0.0
		0.0	-5.73e-05	0.0	0.0	319.0	-0.65	-13.14	-7.44e-05	0.0	-5.73e-05	0.0
59	150	5.90	9.77e-05	5.16e-04	-14.80	0.0	-0.36	7.40	-4.04e-05	0.0	9.77e-05	0.0
		0.0	-3.11e-05	0.0	0.0	319.0	-0.36	-7.40	-4.04e-05	0.0	-3.11e-05	0.0
59	152	6.82	1.13e-04	5.34e-04	-17.10	0.0	-0.38	8.55	-4.68e-05	0.0	1.13e-04	0.0
		0.0	-3.58e-05	0.0	0.0	319.0	-0.38	-8.55	-4.68e-05	0.0	-3.58e-05	0.0
59	154	6.82	1.17e-04	7.84e-04	-17.10	0.0	-0.52	8.55	-4.85e-05	0.0	1.17e-04	0.0
		0.0	-3.80e-05	0.0	0.0	319.0	-0.52	-8.55	-4.85e-05	0.0	-3.80e-05	0.0
59	155	5.90	9.77e-05	5.16e-04	-14.80	0.0	-0.36	7.40	-4.04e-05	0.0	9.77e-05	0.0
		0.0	-3.11e-05	0.0	0.0	319.0	-0.36	-7.40	-4.04e-05	0.0	-3.11e-05	0.0
59	156	5.90	1.01e-04	7.67e-04	-14.80	0.0	-0.50	7.40	-4.22e-05	0.0	1.01e-04	0.0
		0.0	-3.33e-05	0.0	0.0	319.0	-0.50	-7.40	-4.22e-05	0.0	-3.33e-05	0.0
60	3	0.23	-9.92e-06	-7.14e-05	-3.08	0.0	-0.22	1.69	7.85e-05	0.0	-4.81e-05	0.0
		0.0	-4.81e-05	0.0	0.0	48.7	-0.22	-1.39	7.85e-05	0.0	-9.92e-06	0.07
60	7	0.23	-6.13e-06	-6.71e-05	-2.11	0.0	-0.21	1.40	5.80e-05	0.0	-3.44e-05	0.0
		0.0	-3.44e-05	0.0	0.0	48.7	-0.21	-0.71	5.80e-05	0.0	-6.13e-06	0.17
60	9	0.05	-2.42e-05	2.03e-05	-5.71	0.0	0.07	1.11	1.11e-04	0.0	-7.81e-05	0.0
		-0.85	-7.81e-05	0.0	0.0	48.7	0.07	-4.60	1.11e-04	0.0	-2.42e-05	-0.85
60	11	0.12	-2.28e-05	-2.17e-05	-5.71	0.0	-0.07	1.68	1.21e-04	0.0	-8.20e-05	0.0
		-0.57	-8.20e-05	0.0	0.0	48.7	-0.07	-4.03	1.21e-04	0.0	-2.28e-05	-0.57
60	12	0.03	-2.04e-05	2.46e-05	-4.74	0.0	0.08	0.82	9.03e-05	0.0	-6.44e-05	0.0
		-0.75	-6.44e-05	0.0	0.0	48.7	0.08	-3.92	9.03e-05	0.0	-2.04e-05	-0.75
60	23	0.14	-0.02	1.48e-04	-2.26	0.0	-0.37	1.15	-3.59e-03	0.0	-0.02	0.0
		0.0	-0.02	8.15e-04	0.0	48.7	-0.37	-1.11	-3.59e-03	0.0	-0.02	0.01
60	26	0.06	0.02	-2.12e-04	-2.26	0.0	0.18	0.77	3.70e-03	0.0	0.02	0.0
		-0.18	0.02	-8.15e-04	0.0	48.7	0.18	-1.49	3.70e-03	0.0	0.02	-0.18
60	44	0.24	-1.22e-03	1.48e-04	-2.26	0.0	-0.58	1.49	-1.65e-03	0.0	-1.22e-03	0.0
		0.0	-9.16e-03	1.75e-04	0.0	48.7	-0.58	-0.77	-1.65e-03	0.0	-9.16e-03	0.18
60	45	0.02	9.14e-03	-2.12e-04	-2.26	0.0	0.39	0.43	1.75e-03	0.0	1.15e-03	0.0
		-0.34	1.15e-03	-1.74e-04	0.0	48.7	0.39	-1.83	1.75e-03	0.0	9.14e-03	-0.34
60	55	0.15	-0.02	1.13e-04	-2.26	0.0	-0.36	1.17	-2.86e-03	0.0	-0.02	0.0
		0.0	-0.02	6.53e-04	0.0	48.7	-0.36	-1.08	-2.86e-03	0.0	-0.02	0.02
60	58	0.06	0.02	-1.77e-04	-2.26	0.0	0.16	0.74	2.97e-03	0.0	0.02	0.0
		-0.19	0.02	-6.53e-04	0.0	48.7	0.16	-1.52	2.97e-03	0.0	0.02	-0.19
60	76	0.25	-5.39e-04	1.41e-04	-2.26	0.0	-0.59	1.52	-1.50e-03	0.0	-5.39e-04	0.0
		0.0	-8.93e-03	1.19e-04	0.0	48.7	-0.59	-0.74	-1.50e-03	0.0	-8.93e-03	0.19
60	77	0.02	8.91e-03	-2.06e-04	-2.26	0.0	0.40	0.39	1.60e-03	0.0	4.73e-04	0.0
		-0.36	4.73e-04	-1.19e-04	0.0	48.7	0.40	-1.86	1.60e-03	0.0	8.91e-03	-0.36
60	87	0.14	-0.01	9.33e-05	-2.26	0.0	-0.33	1.15	-2.47e-03	0.0	-0.01	0.0
		0.0	-0.02	5.66e-04	0.0	48.7	-0.33	-1.11	-2.47e-03	0.0	-0.02	0.01
60	90	0.06	0.02	-1.58e-04	-2.26	0.0	0.13	0.77	2.57e-03	0.0	0.02	0.0
		-0.18	0.01	-5.66e-04	0.0	48.7	0.13	-1.49	2.57e-03	0.0	0.02	-0.18
60	108	0.23	-4.22e-04	1.22e-04	-2.26	0.0	-0.54	1.46	-1.31e-03	0.0	-4.22e-04	0.0
		0.0	-7.93e-03	1.00e-04	0.0	48.7	-0.54	-0.79	-1.31e-03	0.0	-7.93e-03	0.16
60	109	0.02	7.92e-03	-1.86e-04	-2.26	0.0	0.35	0.45	1.41e-03	0.0	3.55e-04	0.0
		-0.33	3.55e-04	-1.00e-04	0.0	48.7	0.35	-1.80	1.41e-03	0.0	7.92e-03	-0.33
60	119	0.15	-0.02	1.98e-04	-2.26	0.0	-0.43	1.17	-4.60e-03	0.0	-0.02	0.0

60	122	0.0	-0.02	1.04e-03	0.0	48.7	-0.43	-1.09	-4.60e-03	0.0	-0.02	0.02
		0.06	0.02	-2.63e-04	-2.26	0.0	0.24	0.74	4.70e-03	0.0	0.02	0.0
		-0.19	0.02	-1.04e-03	0.0	48.7	0.24	-1.51	4.70e-03	0.0	0.02	-0.19
60	124	0.23	-0.02	2.73e-04	-2.26	0.0	-0.67	1.46	-5.03e-03	0.0	-0.02	0.0
		0.0	-0.02	1.04e-03	0.0	48.7	-0.67	-0.80	-5.03e-03	0.0	-0.02	0.16
60	125	0.02	0.02	-3.38e-04	-2.26	0.0	0.48	0.46	5.14e-03	0.0	0.02	0.0
		-0.33	0.02	-1.04e-03	0.0	48.7	0.48	-1.80	5.14e-03	0.0	0.02	-0.33
60	140	0.27	-1.77e-03	1.83e-04	-2.26	0.0	-0.66	1.57	-2.02e-03	0.0	-1.77e-03	0.0
		0.0	-0.01	2.31e-04	0.0	48.7	-0.66	-0.69	-2.02e-03	0.0	-0.01	0.21
60	141	0.01	0.01	-2.48e-04	-2.26	0.0	0.47	0.35	2.13e-03	0.0	1.70e-03	0.0
		-0.38	1.70e-03	-2.31e-04	0.0	48.7	0.47	-1.91	2.13e-03	0.0	0.01	-0.38
60	145	0.15	-7.37e-06	-4.82e-05	-2.26	0.0	-0.15	1.18	5.63e-05	0.0	-3.48e-05	0.0
		0.0	-3.48e-05	0.0	0.0	48.7	-0.15	-1.08	5.63e-05	0.0	-7.37e-06	0.02
60	147	0.04	-1.69e-05	1.30e-05	-4.01	0.0	0.05	0.79	7.78e-05	0.0	-5.47e-05	0.0
		-0.59	-5.47e-05	0.0	0.0	48.7	0.05	-3.22	7.78e-05	0.0	-1.69e-05	-0.59
60	149	0.08	-1.60e-05	-1.51e-05	-4.01	0.0	-0.05	1.17	8.49e-05	0.0	-5.73e-05	0.0
		-0.41	-5.73e-05	0.0	0.0	48.7	-0.05	-2.84	8.49e-05	0.0	-1.60e-05	-0.41
60	151	0.11	-7.75e-06	-3.63e-05	-2.26	0.0	-0.11	1.01	5.32e-05	0.0	-3.37e-05	0.0
		-0.06	-3.37e-05	0.0	0.0	48.7	-0.11	-1.25	5.32e-05	0.0	-7.75e-06	-0.06
60	152	0.04	-1.03e-05	-5.72e-06	-2.61	0.0	-4.79e-03	0.66	5.25e-05	0.0	-3.58e-05	0.0
		-0.31	-3.58e-05	0.0	0.0	48.7	-4.79e-03	-1.95	5.25e-05	0.0	-1.03e-05	-0.31
60	154	0.09	-9.53e-06	-2.80e-05	-2.61	0.0	-0.08	0.99	5.86e-05	0.0	-3.80e-05	0.0
		-0.15	-3.80e-05	0.0	0.0	48.7	-0.08	-1.62	5.86e-05	0.0	-9.53e-06	-0.15
60	155	0.04	-8.65e-06	-8.75e-06	-2.26	0.0	-0.02	0.63	4.61e-05	0.0	-3.11e-05	0.0
		-0.24	-3.11e-05	0.0	0.0	48.7	-0.02	-1.63	4.61e-05	0.0	-8.65e-06	-0.24
60	156	0.10	-7.88e-06	-3.23e-05	-2.26	0.0	-0.10	0.96	5.22e-05	0.0	-3.33e-05	0.0
		-0.08	-3.33e-05	0.0	0.0	48.7	-0.10	-1.30	5.22e-05	0.0	-7.88e-06	-0.08
61	7	0.17	0.0	-5.16e-05	-2.11	0.0	-0.09	-0.06	1.06e-05	0.0	-6.13e-06	0.17
		-0.37	-6.13e-06	0.0	0.0	48.7	-0.09	-2.17	1.06e-05	0.0	0.0	-0.37
61	9	-0.53	-5.78e-06	-6.41e-06	-5.71	0.0	0.11	2.75	3.78e-05	0.0	-2.42e-05	-0.85
		-0.90	-2.42e-05	0.0	0.0	48.7	0.11	-2.96	3.78e-05	0.0	-5.78e-06	-0.90
61	11	-0.38	-5.18e-06	-2.78e-05	-5.71	0.0	0.04	2.13	3.63e-05	0.0	-2.28e-05	-0.57
		-0.93	-2.28e-05	0.0	0.0	48.7	0.04	-3.58	3.63e-05	0.0	-5.18e-06	-0.93
61	23	0.02	-0.02	1.53e-04	-2.26	0.0	-0.15	0.33	1.24e-03	0.0	-0.02	0.01
		-0.38	-0.02	8.13e-04	0.0	48.7	-0.15	-1.93	1.24e-03	0.0	-0.02	-0.38
61	26	-0.12	0.02	-2.09e-04	-2.26	0.0	0.10	0.72	-1.22e-03	0.0	0.02	-0.18
		-0.37	0.02	-8.13e-04	0.0	48.7	0.10	-1.54	-1.22e-03	0.0	0.02	-0.37
61	44	0.18	-9.06e-03	1.68e-04	-2.26	0.0	-0.30	-0.02	1.44e-05	0.0	-9.16e-03	0.18
		-0.39	-9.16e-03	1.68e-04	0.0	48.7	-0.30	-2.28	1.44e-05	0.0	-9.06e-03	-0.39
61	45	-0.22	9.14e-03	-2.25e-04	-2.26	0.0	0.25	1.07	1.14e-05	0.0	9.14e-03	-0.34
		-0.37	9.06e-03	-1.68e-04	0.0	48.7	0.25	-1.19	1.14e-05	0.0	9.06e-03	-0.37
61	55	0.03	-0.02	1.18e-04	-2.26	0.0	-0.14	0.30	1.13e-03	0.0	-0.02	0.02
		-0.38	-0.02	6.51e-04	0.0	48.7	-0.14	-1.95	1.13e-03	0.0	-0.02	-0.38
61	58	-0.13	0.02	-1.75e-04	-2.26	0.0	0.10	0.75	-1.11e-03	0.0	0.02	-0.19
		-0.37	0.02	-6.51e-04	0.0	48.7	0.10	-1.51	-1.11e-03	0.0	0.02	-0.37
61	76	0.19	-8.86e-03	1.64e-04	-2.26	0.0	-0.30	-0.05	-5.37e-05	0.0	-8.93e-03	0.19
		-0.39	-8.93e-03	1.12e-04	0.0	48.7	-0.30	-2.31	-5.37e-05	0.0	-8.86e-03	-0.39
61	77	-0.23	8.91e-03	-2.21e-04	-2.26	0.0	0.26	1.10	7.95e-05	0.0	8.91e-03	-0.36
		-0.37	8.85e-03	-1.12e-04	0.0	48.7	0.26	-1.16	7.95e-05	0.0	8.85e-03	-0.37
61	87	0.02	-0.02	9.88e-05	-2.26	0.0	-0.13	0.33	9.98e-04	0.0	-0.02	0.01
		-0.38	-0.02	5.64e-04	0.0	48.7	-0.13	-1.93	9.98e-04	0.0	-0.02	-0.38
61	90	-0.12	0.02	-1.55e-04	-2.26	0.0	0.09	0.72	-9.72e-04	0.0	0.02	-0.18
		-0.37	0.02	-5.64e-04	0.0	48.7	0.09	-1.54	-9.72e-04	0.0	0.02	-0.37
61	108	0.16	-7.88e-03	1.43e-04	-2.26	0.0	-0.27	9.21e-03	-5.13e-05	0.0	-7.93e-03	0.16
		-0.39	-7.93e-03	9.43e-05	0.0	48.7	-0.27	-2.25	-5.13e-05	0.0	-7.88e-03	-0.39
61	109	-0.21	7.92e-03	-1.99e-04	-2.26	0.0	0.23	1.04	7.70e-05	0.0	7.92e-03	-0.33
		-0.37	7.87e-03	-9.42e-05	0.0	48.7	0.23	-1.22	7.70e-05	0.0	7.87e-03	-0.37
61	119	0.03	-0.02	2.02e-04	-2.26	0.0	-0.17	0.31	1.52e-03	0.0	-0.02	0.02
		-0.38	-0.02	1.04e-03	0.0	48.7	-0.17	-1.95	1.52e-03	0.0	-0.02	-0.38
61	122	-0.13	0.02	-2.59e-04	-2.26	0.0	0.13	0.74	-1.50e-03	0.0	0.02	-0.19
		-0.37	0.02	-1.04e-03	0.0	48.7	0.13	-1.51	-1.50e-03	0.0	0.02	-0.37
61	140	0.21	-0.01	2.07e-04	-2.26	0.0	-0.34	-0.10	5.04e-05	0.0	-0.01	0.21
		-0.39	-0.01	2.24e-04	0.0	48.7	-0.34	-2.36	5.04e-05	0.0	-0.01	-0.39
61	141	-0.24	0.01	-2.63e-04	-2.26	0.0	0.30	1.15	-2.46e-05	0.0	0.01	-0.38
		-0.38	0.01	-2.24e-04	0.0	48.7	0.30	-1.11	-2.46e-05	0.0	0.01	-0.37
61	145	0.03	-1.39e-06	-3.90e-05	-2.26	0.0	-0.05	0.29	1.23e-05	0.0	-7.37e-06	0.02
		-0.39	-7.37e-06	0.0	0.0	48.7	-0.05	-1.97	1.23e-05	0.0	-1.39e-06	-0.39
61	147	-0.37	-4.03e-06	-5.03e-06	-4.01	0.0	0.08	1.92	2.64e-05	0.0	-1.69e-05	-0.59
		-0.63	-1.69e-05	0.0	0.0	48.7	0.08	-2.09	2.64e-05	0.0	-4.03e-06	-0.63
61	149	-0.27	-3.62e-06	-1.96e-05	-4.01	0.0	0.03	1.50	2.54e-05	0.0	-1.60e-05	-0.41
		-0.65	-1.60e-05	0.0	0.0	48.7	0.03	-2.51	2.54e-05	0.0	-3.62e-06	-0.65
61	151	-0.03	-1.56e-06	-3.09e-05	-2.26	0.0	-0.03	0.47	1.27e-05	0.0	-7.75e-06	-0.06
		-0.38	-7.75e-06	0.0	0.0	48.7	-0.03	-1.79	1.27e-05	0.0	-1.56e-06	-0.38
61	152	-0.20	-2.37e-06	-9.89e-06	-2.61	0.0	0.03	1.09	1.63e-05	0.0	-1.03e-05	-0.31
		-0.42	-1.03e-05	0.0	0.0	48.7	0.03	-1.52	1.63e-05	0.0	-2.37e-06	-0.42

61	154	-0.10	-2.03e-06	-2.59e-05	-2.61	0.0	-0.01	0.73	1.54e-05	0.0	-9.53e-06	-0.15
		-0.43	-9.53e-06	0.0	0.0	48.7	-0.01	-1.88	1.54e-05	0.0	-2.03e-06	-0.43
61	155	-0.16	-1.96e-06	-1.20e-05	-2.26	0.0	0.02	0.88	1.37e-05	0.0	-8.65e-06	-0.24
		-0.36	-8.65e-06	0.0	0.0	48.7	0.02	-1.38	1.37e-05	0.0	-1.96e-06	-0.36
61	156	-0.05	-1.62e-06	-2.82e-05	-2.26	0.0	-0.02	0.52	1.29e-05	0.0	-7.88e-06	-0.08
		-0.38	-7.88e-06	0.0	0.0	48.7	-0.02	-1.73	1.29e-05	0.0	-1.62e-06	-0.38
62	1	0.02	0.0	-3.21e-05	-3.08	0.0	0.03	2.56	5.51e-06	0.0	-2.68e-06	-0.50
		-0.50	-2.68e-06	0.0	0.0	48.7	0.03	-0.52	5.51e-06	0.0	0.0	0.0
62	7	9.55e-03	0.0	-7.14e-05	-2.11	0.0	4.15e-03	1.82	1.98e-06	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	48.7	4.15e-03	-0.29	1.98e-06	0.0	0.0	0.0
62	9	0.04	0.0	-2.31e-05	-5.71	0.0	0.07	4.71	1.19e-05	0.0	-5.78e-06	-0.90
		-0.90	-5.78e-06	0.0	0.0	48.7	0.07	-1.00	1.19e-05	0.0	0.0	0.0
62	11	0.04	0.0	-5.76e-05	-5.71	0.0	0.06	4.76	1.06e-05	0.0	-5.18e-06	-0.93
		-0.93	-5.18e-06	0.0	0.0	48.7	0.06	-0.95	1.06e-05	0.0	0.0	0.0
62	23	0.01	0.0	1.36e-04	-2.26	0.0	-0.02	1.91	0.04	0.0	-0.02	-0.38
		-0.38	-0.02	8.11e-04	0.0	48.7	-0.02	-0.34	0.04	0.0	0.0	0.0
62	26	0.01	0.02	-2.22e-04	-2.26	0.0	0.05	1.90	-0.04	0.0	0.02	-0.37
		-0.37	0.0	-8.10e-04	0.0	48.7	0.05	-0.36	-0.04	0.0	0.0	0.0
62	44	0.01	0.0	1.43e-04	-2.26	0.0	-0.07	1.92	0.02	0.0	-9.06e-03	-0.39
		-0.39	-9.06e-03	1.63e-04	0.0	48.7	-0.07	-0.34	0.02	0.0	0.0	0.0
62	45	0.01	9.06e-03	-2.30e-04	-2.26	0.0	0.10	1.89	-0.02	0.0	9.06e-03	-0.37
		-0.37	0.0	-1.63e-04	0.0	48.7	0.10	-0.37	-0.02	0.0	0.0	0.0
62	55	0.01	0.0	1.00e-04	-2.26	0.0	-0.02	1.91	0.04	0.0	-0.02	-0.38
		-0.38	-0.02	6.49e-04	0.0	48.7	-0.02	-0.35	0.04	0.0	0.0	0.0
62	58	0.01	0.02	-1.87e-04	-2.26	0.0	0.05	1.90	-0.04	0.0	0.02	-0.37
		-0.37	0.0	-6.49e-04	0.0	48.7	0.05	-0.36	-0.04	0.0	0.0	0.0
62	76	0.01	0.0	1.38e-04	-2.26	0.0	-0.07	1.92	0.02	0.0	-8.86e-03	-0.39
		-0.39	-8.86e-03	1.07e-04	0.0	48.7	-0.07	-0.33	0.02	0.0	0.0	0.0
62	77	0.01	8.85e-03	-2.24e-04	-2.26	0.0	0.10	1.89	-0.02	0.0	8.85e-03	-0.37
		-0.37	0.0	-1.07e-04	0.0	48.7	0.10	-0.37	-0.02	0.0	0.0	0.0
62	87	0.01	0.0	8.11e-05	-2.26	0.0	-0.01	1.91	0.03	0.0	-0.02	-0.38
		-0.38	-0.02	5.62e-04	0.0	48.7	-0.01	-0.35	0.03	0.0	0.0	0.0
62	90	0.01	0.02	-1.68e-04	-2.26	0.0	0.05	1.90	-0.03	0.0	0.02	-0.37
		-0.37	0.0	-5.62e-04	0.0	48.7	0.05	-0.36	-0.03	0.0	0.0	0.0
62	108	0.01	0.0	1.17e-04	-2.26	0.0	-0.06	1.92	0.02	0.0	-7.88e-03	-0.39
		-0.39	-7.88e-03	8.93e-05	0.0	48.7	-0.06	-0.34	0.02	0.0	0.0	0.0
62	109	0.01	7.87e-03	-2.04e-04	-2.26	0.0	0.09	1.89	-0.02	0.0	7.87e-03	-0.37
		-0.37	0.0	-8.93e-05	0.0	48.7	0.09	-0.37	-0.02	0.0	0.0	0.0
62	119	0.01	0.0	1.85e-04	-2.26	0.0	-0.02	1.91	0.05	0.0	-0.02	-0.38
		-0.38	-0.02	1.03e-03	0.0	48.7	-0.02	-0.34	0.05	0.0	0.0	0.0
62	122	0.01	0.02	-2.72e-04	-2.26	0.0	0.06	1.89	-0.05	0.0	0.02	-0.37
		-0.37	0.0	-1.03e-03	0.0	48.7	0.06	-0.36	-0.05	0.0	0.0	0.0
62	140	0.01	0.0	1.80e-04	-2.26	0.0	-0.08	1.93	0.02	0.0	-0.01	-0.39
		-0.39	-0.01	2.18e-04	0.0	48.7	-0.08	-0.33	0.02	0.0	0.0	0.0
62	141	0.01	0.01	-2.67e-04	-2.26	0.0	0.12	1.88	-0.02	0.0	0.01	-0.37
		-0.37	0.0	-2.18e-04	0.0	48.7	0.12	-0.37	-0.02	0.0	0.0	0.0
62	143	0.02	0.0	-2.34e-05	-2.26	0.0	0.02	1.88	4.03e-06	0.0	-1.96e-06	-0.36
		-0.36	-1.96e-06	0.0	0.0	48.7	0.02	-0.38	4.03e-06	0.0	0.0	0.0
62	145	0.01	0.0	-5.65e-05	-2.26	0.0	0.01	1.92	2.85e-06	0.0	-1.39e-06	-0.39
		-0.39	-1.39e-06	0.0	0.0	48.7	0.01	-0.34	2.85e-06	0.0	0.0	0.0
62	147	0.03	0.0	-1.73e-05	-4.01	0.0	0.05	3.31	8.27e-06	0.0	-4.03e-06	-0.63
		-0.63	-4.03e-06	0.0	0.0	48.7	0.05	-0.70	8.27e-06	0.0	0.0	0.0
62	149	0.03	0.0	-4.04e-05	-4.01	0.0	0.04	3.34	7.45e-06	0.0	-3.62e-06	-0.65
		-0.65	-3.62e-06	0.0	0.0	48.7	0.04	-0.67	7.45e-06	0.0	0.0	0.0
62	150	0.02	0.0	-2.34e-05	-2.26	0.0	0.02	1.88	4.03e-06	0.0	-1.96e-06	-0.36
		-0.36	-1.96e-06	0.0	0.0	48.7	0.02	-0.38	4.03e-06	0.0	0.0	0.0
62	151	0.01	0.0	-4.66e-05	-2.26	0.0	0.02	1.91	3.20e-06	0.0	-1.56e-06	-0.38
		-0.38	-1.56e-06	0.0	0.0	48.7	0.02	-0.35	3.20e-06	0.0	0.0	0.0
62	152	0.02	0.0	-2.22e-05	-2.61	0.0	0.03	2.16	4.88e-06	0.0	-2.37e-06	-0.42
		-0.42	-2.37e-06	0.0	0.0	48.7	0.03	-0.44	4.88e-06	0.0	0.0	0.0
62	154	0.02	0.0	-4.20e-05	-2.61	0.0	0.02	2.19	4.17e-06	0.0	-2.03e-06	-0.43
		-0.43	-2.03e-06	0.0	0.0	48.7	0.02	-0.42	4.17e-06	0.0	0.0	0.0
62	155	0.02	0.0	-2.34e-05	-2.26	0.0	0.02	1.88	4.03e-06	0.0	-1.96e-06	-0.36
		-0.36	-1.96e-06	0.0	0.0	48.7	0.02	-0.38	4.03e-06	0.0	0.0	0.0
62	156	0.01	0.0	-4.33e-05	-2.26	0.0	0.02	1.90	3.32e-06	0.0	-1.62e-06	-0.38
		-0.38	-1.62e-06	0.0	0.0	48.7	0.02	-0.35	3.32e-06	0.0	0.0	0.0
63	3	0.25	8.60e-04	-2.04e-04	-3.30	0.0	-0.24	1.52	-1.37e-03	0.0	8.60e-04	0.07
		0.0	1.43e-04	0.0	0.0	52.2	-0.24	-1.78	-1.37e-03	0.0	1.43e-04	0.0
63	4	0.25	8.68e-04	-2.32e-04	-4.71	0.0	-0.15	2.60	-1.28e-03	0.0	8.68e-04	-0.13
		-0.13	2.01e-04	0.0	0.0	52.2	-0.15	-2.11	-1.28e-03	0.0	2.01e-04	0.0
63	5	0.07	2.59e-04	-8.66e-05	-2.26	0.0	0.02	1.48	-3.22e-04	0.0	2.59e-04	-0.18
		-0.18	9.08e-05	0.0	0.0	52.2	0.02	-0.79	-3.22e-04	0.0	9.08e-05	0.0
63	7	0.23	7.32e-04	-1.63e-04	-2.26	0.0	-0.25	0.86	-1.21e-03	0.0	7.32e-04	0.14
		0.0	9.95e-05	0.0	0.0	52.2	-0.25	-1.40	-1.21e-03	0.0	9.95e-05	0.0
63	9	0.14	4.03e-04	-1.83e-04	-6.12	0.0	0.21	4.30	-2.90e-04	0.0	4.03e-04	-0.65

		-0.65	2.51e-04	0.0	0.0	52.2	0.21	-1.83	-2.90e-04	0.0	2.51e-04	0.0
63	16	1.61	-5.35e-03	9.60e-05	-2.42	0.0	-1.97	-1.88	-9.64e-03	0.0	-5.35e-03	1.61
		0.0	-0.01	8.16e-04	0.0	52.2	-1.97	-4.30	-9.64e-03	0.0	-0.01	0.0
63	17	0.0	0.01	-3.43e-04	-2.42	0.0	1.79	4.53	8.22e-03	0.0	6.29e-03	-1.73
		-1.73	6.29e-03	-8.16e-04	0.0	52.2	1.79	2.11	8.22e-03	0.0	0.01	0.0
63	28	1.82	-4.46e-03	1.13e-04	-2.42	0.0	-2.84	-2.27	-6.02e-03	0.0	-4.46e-03	1.82
		0.0	-7.82e-03	9.05e-04	0.0	52.2	-2.84	-4.69	-6.02e-03	0.0	-7.82e-03	0.0
63	29	0.0	8.02e-03	-3.61e-04	-2.42	0.0	2.67	4.92	4.61e-03	0.0	5.40e-03	-1.94
		-1.94	5.40e-03	-9.05e-04	0.0	52.2	2.67	2.50	4.61e-03	0.0	8.02e-03	0.0
63	48	1.49	-4.57e-03	7.45e-05	-2.42	0.0	-1.98	-1.65	-8.76e-03	0.0	-4.57e-03	1.49
		0.0	-9.76e-03	6.94e-04	0.0	52.2	-1.98	-4.07	-8.76e-03	0.0	-9.76e-03	0.0
63	49	0.0	9.96e-03	-3.22e-04	-2.42	0.0	1.80	4.30	7.35e-03	0.0	5.51e-03	-1.61
		-1.61	5.51e-03	-6.94e-04	0.0	52.2	1.80	1.87	7.35e-03	0.0	9.96e-03	0.0
63	60	1.62	-3.61e-03	8.20e-05	-2.42	0.0	-2.77	-1.89	-6.19e-03	0.0	-3.61e-03	1.62
		0.0	-7.04e-03	7.31e-04	0.0	52.2	-2.77	-4.31	-6.19e-03	0.0	-7.04e-03	0.0
63	61	0.0	7.25e-03	-3.29e-04	-2.42	0.0	2.59	4.53	4.77e-03	0.0	4.55e-03	-1.74
		-1.74	4.55e-03	-7.31e-04	0.0	52.2	2.59	2.11	4.77e-03	0.0	7.25e-03	0.0
63	80	1.31	-3.93e-03	5.03e-05	-2.42	0.0	-1.77	-1.29	-7.77e-03	0.0	-3.93e-03	1.31
		0.0	-8.54e-03	6.04e-04	0.0	52.2	-1.77	-3.71	-7.77e-03	0.0	-8.54e-03	0.0
63	81	0.0	8.74e-03	-2.97e-04	-2.42	0.0	1.60	3.94	6.35e-03	0.0	4.87e-03	-1.43
		-1.43	4.87e-03	-6.04e-04	0.0	52.2	1.60	1.52	6.35e-03	0.0	8.74e-03	0.0
63	92	1.41	-3.08e-03	5.65e-05	-2.42	0.0	-2.47	-1.50	-5.59e-03	0.0	-3.08e-03	1.41
		0.0	-6.17e-03	6.33e-04	0.0	52.2	-2.47	-3.92	-5.59e-03	0.0	-6.17e-03	0.0
63	93	0.0	6.37e-03	-3.04e-04	-2.42	0.0	2.29	4.15	4.18e-03	0.0	4.02e-03	-1.53
		-1.53	4.02e-03	-6.33e-04	0.0	52.2	2.29	1.73	4.18e-03	0.0	6.37e-03	0.0
63	112	1.98	-6.75e-03	1.46e-04	-2.42	0.0	-2.32	-2.58	-0.01	0.0	-6.75e-03	1.98
		0.0	-0.01	1.02e-03	0.0	52.2	-2.32	-5.00	-0.01	0.0	-0.01	0.0
63	113	0.0	0.01	-3.93e-04	-2.42	0.0	2.14	5.23	0.01	0.0	7.69e-03	-2.10
		-2.10	7.69e-03	-1.02e-03	0.0	52.2	2.14	2.81	0.01	0.0	0.01	0.0
63	124	2.26	-5.77e-03	1.72e-04	-2.42	0.0	-3.42	-3.13	-6.96e-03	0.0	-5.77e-03	2.26
		0.0	-9.65e-03	1.15e-03	0.0	52.2	-3.42	-5.55	-6.96e-03	0.0	-9.65e-03	0.0
63	125	0.0	9.85e-03	-4.19e-04	-2.42	0.0	3.24	5.78	5.55e-03	0.0	6.71e-03	-2.38
		-2.38	6.71e-03	-1.15e-03	0.0	52.2	3.24	3.35	5.55e-03	0.0	9.85e-03	0.0
63	143	0.08	2.81e-04	-9.31e-05	-2.42	0.0	0.02	1.57	-3.51e-04	0.0	2.81e-04	-0.19
		-0.19	9.77e-05	0.0	0.0	52.2	0.02	-0.85	-3.51e-04	0.0	9.77e-05	0.0
63	145	0.17	5.96e-04	-1.44e-04	-2.42	0.0	-0.16	1.16	-9.44e-04	0.0	5.96e-04	0.03
		0.0	1.03e-04	0.0	0.0	52.2	-0.16	-1.26	-9.44e-04	0.0	1.03e-04	0.0
63	146	0.17	6.01e-04	-1.63e-04	-3.36	0.0	-0.10	1.88	-8.79e-04	0.0	6.01e-04	-0.11
		-0.11	1.43e-04	0.0	0.0	52.2	-0.10	-1.48	-8.79e-04	0.0	1.43e-04	0.0
63	147	0.10	2.91e-04	-1.30e-04	-4.30	0.0	0.14	3.01	-2.21e-04	0.0	2.91e-04	-0.45
		-0.45	1.76e-04	0.0	0.0	52.2	0.14	-1.29	-2.21e-04	0.0	1.76e-04	0.0
63	150	0.08	2.81e-04	-9.31e-05	-2.42	0.0	0.02	1.57	-3.51e-04	0.0	2.81e-04	-0.19
		-0.19	9.77e-05	0.0	0.0	52.2	0.02	-0.85	-3.51e-04	0.0	9.77e-05	0.0
63	151	0.14	5.02e-04	-1.29e-04	-2.42	0.0	-0.11	1.28	-7.66e-04	0.0	5.02e-04	-0.04
		-0.04	1.02e-04	0.0	0.0	52.2	-0.11	-1.14	-7.66e-04	0.0	1.02e-04	0.0
63	152	0.08	2.83e-04	-1.01e-04	-2.80	0.0	0.04	1.86	-3.25e-04	0.0	2.83e-04	-0.24
		-0.24	1.13e-04	0.0	0.0	52.2	0.04	-0.94	-3.25e-04	0.0	1.13e-04	0.0
63	155	0.08	2.81e-04	-9.31e-05	-2.42	0.0	0.02	1.57	-3.51e-04	0.0	2.81e-04	-0.19
		-0.19	9.77e-05	0.0	0.0	52.2	0.02	-0.85	-3.51e-04	0.0	9.77e-05	0.0
63	156	0.13	4.70e-04	-1.24e-04	-2.42	0.0	-0.09	1.32	-7.07e-04	0.0	4.70e-04	-0.06
		-0.06	1.01e-04	0.0	0.0	52.2	-0.09	-1.10	-7.07e-04	0.0	1.01e-04	0.0
64	3	0.25	8.60e-04	-2.08e-04	-3.30	0.0	-0.98	1.79	0.02	0.0	-8.85e-03	-1.78e-03
		-1.78e-03	-8.85e-03	0.0	0.0	52.2	-0.98	-1.52	0.02	0.0	8.60e-04	0.07
64	4	0.15	8.68e-04	-2.31e-04	-4.71	0.0	-0.79	2.47	0.02	0.0	-9.63e-03	-0.19
		-0.19	-9.63e-03	0.0	0.0	52.2	-0.79	-2.25	0.02	0.0	8.68e-04	-0.13
64	7	0.25	7.32e-04	-1.69e-04	-2.26	0.0	-0.91	1.26	0.02	0.0	-7.26e-03	0.07
		0.07	-7.26e-03	0.0	0.0	52.2	-0.91	-1.00	0.02	0.0	7.32e-04	0.14
64	9	-0.23	4.03e-04	-1.67e-04	-6.12	0.0	0.19	2.99	0.01	0.0	-6.45e-03	-0.61
		-0.65	-6.45e-03	0.0	0.0	52.2	0.19	-3.14	0.01	0.0	4.03e-04	-0.65
64	12	-0.22	2.75e-04	-1.28e-04	-5.08	0.0	0.26	2.47	9.84e-03	0.0	-4.86e-03	-0.53
		-0.57	-4.86e-03	0.0	0.0	52.2	0.26	-2.62	9.84e-03	0.0	2.75e-04	-0.57
64	19	1.07	-6.03e-03	-1.10e-05	-2.42	0.0	-2.27	2.15	0.04	0.0	-0.03	0.58
		0.58	-0.03	8.11e-04	0.0	52.2	-2.27	-0.27	0.04	0.0	-6.03e-03	1.06
64	22	-0.72	0.02	-2.36e-04	-2.42	0.0	1.37	0.35	-0.02	0.0	0.02	-0.73
		-1.18	6.97e-03	-8.11e-04	0.0	52.2	1.37	-2.07	-0.02	0.0	6.97e-03	-1.18
64	28	1.82	-4.46e-03	4.42e-05	-2.42	0.0	-5.02	2.67	0.03	0.0	-0.02	1.06
		1.06	-0.02	9.09e-04	0.0	52.2	-5.02	0.25	0.03	0.0	-4.46e-03	1.82
64	29	-1.22	8.28e-03	-2.91e-04	-2.42	0.0	4.12	-0.17	-5.51e-03	0.0	8.28e-03	-1.22
		-1.94	5.40e-03	-9.09e-04	0.0	52.2	4.12	-2.59	-5.51e-03	0.0	5.40e-03	-1.94
64	51	0.93	-5.33e-03	-2.99e-05	-2.42	0.0	-2.25	2.04	0.04	0.0	-0.02	0.48
		0.48	-0.02	6.88e-04	0.0	52.2	-2.25	-0.38	0.04	0.0	-5.33e-03	0.92
64	54	-0.62	0.01	-2.16e-04	-2.42	0.0	1.35	0.46	-0.02	0.0	0.01	-0.64
		-1.03	6.27e-03	-6.88e-04	0.0	52.2	1.35	-1.96	-0.02	0.0	6.27e-03	-1.03
64	60	1.62	-3.61e-03	1.96e-05	-2.42	0.0	-4.94	2.52	0.02	0.0	-0.02	0.93
		0.93	-0.02	7.35e-04	0.0	52.2	-4.94	0.10	0.02	0.0	-3.61e-03	1.62

64	61	-1.09	5.88e-03	-2.66e-04	-2.42	0.0	4.04	-0.02	-2.59e-03	0.0	5.88e-03	-1.09
		-1.74	4.55e-03	-7.35e-04	0.0	52.2	4.04	-2.45	-2.59e-03	0.0	4.55e-03	-1.74
64	83	0.82	-4.61e-03	-4.24e-05	-2.42	0.0	-2.06	1.94	0.03	0.0	-0.02	0.41
		0.41	-0.02	5.98e-04	0.0	52.2	-2.06	-0.48	0.03	0.0	-4.61e-03	0.79
64	86	-0.54	0.01	-2.04e-04	-2.42	0.0	1.16	0.56	-0.01	0.0	0.01	-0.57
		-0.91	5.55e-03	-5.98e-04	0.0	52.2	1.16	-1.86	-0.01	0.0	5.55e-03	-0.91
64	92	1.41	-3.08e-03	-3.76e-06	-2.42	0.0	-4.45	2.37	0.02	0.0	-0.01	0.81
		0.81	-0.01	6.37e-04	0.0	52.2	-4.45	-0.05	0.02	0.0	-3.08e-03	1.41
64	93	-0.97	4.43e-03	-2.48e-04	-2.42	0.0	3.55	0.13	-8.34e-04	0.0	4.43e-03	-0.97
		-1.53	4.02e-03	-6.37e-04	0.0	52.2	3.55	-2.29	-8.34e-04	0.0	4.02e-03	-1.53
64	115	1.34	-7.53e-03	1.89e-05	-2.42	0.0	-2.63	2.36	0.05	0.0	-0.03	0.74
		0.74	-0.03	1.01e-03	0.0	52.2	-2.63	-0.06	0.05	0.0	-7.53e-03	1.34
64	118	-0.90	0.02	-2.65e-04	-2.42	0.0	1.73	0.14	-0.03	0.0	0.02	-0.90
		-1.46	8.47e-03	-1.01e-03	0.0	52.2	1.73	-2.29	-0.03	0.0	8.47e-03	-1.46
64	124	2.26	-5.77e-03	8.68e-05	-2.42	0.0	-5.94	3.01	0.03	0.0	-0.02	1.33
		1.33	-0.02	1.15e-03	0.0	52.2	-5.94	0.59	0.03	0.0	-5.77e-03	2.26
64	125	-1.49	0.01	-3.33e-04	-2.42	0.0	5.04	-0.51	-9.91e-03	0.0	0.01	-1.49
		-2.38	6.71e-03	-1.15e-03	0.0	52.2	5.04	-2.93	-9.91e-03	0.0	6.71e-03	-2.38
64	145	0.16	5.96e-04	-1.46e-04	-2.42	0.0	-0.66	1.29	0.01	0.0	-6.20e-03	-0.02
		-0.02	-6.20e-03	0.0	0.0	52.2	-0.66	-1.13	0.01	0.0	5.96e-04	0.03
64	146	0.10	6.01e-04	-1.62e-04	-3.36	0.0	-0.54	1.75	0.01	0.0	-6.72e-03	-0.14
		-0.14	-6.72e-03	0.0	0.0	52.2	-0.54	-1.61	0.01	0.0	6.01e-04	-0.11
64	147	-0.15	2.91e-04	-1.19e-04	-4.30	0.0	0.12	2.09	9.38e-03	0.0	-4.60e-03	-0.42
		-0.45	-4.60e-03	0.0	0.0	52.2	0.12	-2.21	9.38e-03	0.0	2.91e-04	-0.45
64	151	0.11	5.02e-04	-1.29e-04	-2.42	0.0	-0.50	1.26	0.01	0.0	-5.41e-03	-0.06
		-0.06	-5.41e-03	0.0	0.0	52.2	-0.50	-1.16	0.01	0.0	5.02e-04	-0.04
64	152	-0.05	2.83e-04	-9.46e-05	-2.80	0.0	-0.08	1.37	7.77e-03	0.0	-3.77e-03	-0.22
		-0.24	-3.77e-03	0.0	0.0	52.2	-0.08	-1.43	7.77e-03	0.0	2.83e-04	-0.24
64	155	-0.02	2.81e-04	-8.85e-05	-2.42	0.0	-0.13	1.18	7.37e-03	0.0	-3.56e-03	-0.17
		-0.19	-3.56e-03	0.0	0.0	52.2	-0.13	-1.24	7.37e-03	0.0	2.81e-04	-0.19
64	156	0.09	4.70e-04	-1.23e-04	-2.42	0.0	-0.45	1.25	0.01	0.0	-5.15e-03	-0.08
		-0.08	-5.15e-03	0.0	0.0	52.2	-0.45	-1.17	0.01	0.0	4.70e-04	-0.06
65	3	0.21	0.0	-2.08e-04	-3.30	0.0	-1.01	1.65	-0.02	0.0	0.0	0.0
		-1.78e-03	-8.85e-03	0.0	0.0	52.2	-1.01	-1.66	-0.02	0.0	-8.85e-03	-1.78e-03
65	4	0.22	0.0	-2.26e-04	-4.71	0.0	-0.78	2.00	-0.02	0.0	0.0	0.0
		-0.19	-9.63e-03	0.0	0.0	52.2	-0.78	-2.72	-0.02	0.0	-9.63e-03	-0.19
65	9	0.15	0.0	-1.54e-04	-6.12	0.0	0.30	1.90	-0.01	0.0	0.0	0.0
		-0.61	-6.45e-03	0.0	0.0	52.2	0.30	-4.22	-0.01	0.0	-6.45e-03	-0.61
65	12	0.12	0.0	-1.16e-04	-5.08	0.0	0.35	1.52	-9.31e-03	0.0	0.0	0.0
		-0.53	-4.86e-03	0.0	0.0	52.2	0.35	-3.56	-9.31e-03	0.0	-4.86e-03	-0.53
65	19	0.58	0.0	1.24e-04	-2.42	0.0	-1.84	2.31	-0.05	0.0	0.0	0.0
		0.0	-0.03	8.09e-04	0.0	52.2	-1.84	-0.11	-0.05	0.0	-0.03	0.58
65	22	0.0	0.02	-3.67e-04	-2.42	0.0	0.92	-0.20	0.03	0.0	0.0	0.0
		-0.73	0.0	-8.08e-04	0.0	52.2	0.92	-2.62	0.03	0.0	0.02	-0.73
65	28	1.06	0.0	2.42e-04	-2.42	0.0	-4.27	3.24	-0.04	0.0	0.0	0.0
		0.0	-0.02	9.14e-04	0.0	52.2	-4.27	0.81	-0.04	0.0	-0.02	1.06
65	29	0.0	8.28e-03	-4.85e-04	-2.42	0.0	3.35	-1.12	0.02	0.0	0.0	0.0
		-1.22	0.0	-9.13e-04	0.0	52.2	3.35	-3.54	0.02	0.0	8.28e-03	-1.22
65	51	0.49	0.0	1.27e-04	-2.42	0.0	-1.71	2.14	-0.05	0.0	0.0	0.0
		0.0	-0.02	6.85e-04	0.0	52.2	-1.71	-0.29	-0.05	0.0	-0.02	0.48
65	54	0.0	0.01	-3.70e-04	-2.42	0.0	0.79	-0.02	0.03	0.0	0.0	0.0
		-0.64	0.0	-6.84e-04	0.0	52.2	0.79	-2.44	0.03	0.0	0.01	-0.64
65	60	0.93	0.0	2.38e-04	-2.42	0.0	-4.09	3.00	-0.03	0.0	0.0	0.0
		0.0	-0.02	7.39e-04	0.0	52.2	-4.09	0.58	-0.03	0.0	-0.02	0.93
65	61	0.0	5.88e-03	-4.81e-04	-2.42	0.0	3.18	-0.88	0.01	0.0	0.0	0.0
		-1.09	0.0	-7.38e-04	0.0	52.2	3.18	-3.30	0.01	0.0	5.88e-03	-1.09
65	76	0.83	0.0	4.94e-05	-2.42	0.0	-4.11	2.80	-3.19e-03	0.0	0.0	0.0
		0.0	-1.66e-03	2.77e-04	0.0	52.2	-4.11	0.38	-3.19e-03	0.0	-1.66e-03	0.83
65	77	0.0	0.0	-2.92e-04	-2.42	0.0	3.19	-0.68	-0.02	0.0	0.0	0.0
		-0.99	-8.63e-03	-2.76e-04	0.0	52.2	3.19	-3.10	-0.02	0.0	-8.63e-03	-0.99
65	83	0.43	0.0	9.99e-05	-2.42	0.0	-1.56	2.00	-0.04	0.0	0.0	0.0
		0.0	-0.02	5.95e-04	0.0	52.2	-1.56	-0.42	-0.04	0.0	-0.02	0.41
65	86	1.42e-03	0.01	-3.43e-04	-2.42	0.0	0.64	0.12	0.02	0.0	0.0	0.0
		-0.57	0.0	-5.94e-04	0.0	52.2	0.64	-2.30	0.02	0.0	0.01	-0.57
65	92	0.81	0.0	1.99e-04	-2.42	0.0	-3.68	2.76	-0.03	0.0	0.0	0.0
		0.0	-0.01	6.40e-04	0.0	52.2	-3.68	0.34	-0.03	0.0	-0.01	0.81
65	93	0.0	4.43e-03	-4.42e-04	-2.42	0.0	2.77	-0.65	8.48e-03	0.0	0.0	0.0
		-0.97	0.0	-6.39e-04	0.0	52.2	2.77	-3.07	8.48e-03	0.0	4.43e-03	-0.97
65	108	0.73	0.0	3.09e-05	-2.42	0.0	-3.71	2.60	-3.74e-03	0.0	0.0	0.0
		0.0	-1.95e-03	2.41e-04	0.0	52.2	-3.71	0.18	-3.74e-03	0.0	-1.95e-03	0.73
65	109	0.0	0.0	-2.74e-04	-2.42	0.0	2.79	-0.49	-0.02	0.0	0.0	0.0
		-0.89	-8.34e-03	-2.40e-04	0.0	52.2	2.79	-2.91	-0.02	0.0	-8.34e-03	-0.89
65	115	0.74	0.0	1.70e-04	-2.42	0.0	-2.16	2.62	-0.06	0.0	0.0	0.0
		0.0	-0.03	1.01e-03	0.0	52.2	-2.16	0.20	-0.06	0.0	-0.03	0.74
65	118	0.0	0.02	-4.13e-04	-2.42	0.0	1.24	-0.51	0.04	0.0	0.0	0.0

		-0.90	0.0	-1.01e-03	0.0	52.2	1.24	-2.93	0.04	0.0	0.02	-0.90
65	124	1.33	0.0	3.15e-04	-2.42	0.0	-5.08	3.76	-0.04	0.0	0.0	0.0
		0.0	-0.02	1.16e-03	0.0	52.2	-5.08	1.33	-0.04	0.0	-0.02	1.33
65	125	0.0	0.01	-5.58e-04	-2.42	0.0	4.17	-1.64	0.02	0.0	0.0	0.0
		-1.49	0.0	-1.16e-03	0.0	52.2	4.17	-4.06	0.02	0.0	0.01	-1.49
65	145	0.15	0.0	-1.46e-04	-2.42	0.0	-0.68	1.18	-0.01	0.0	0.0	0.0
		-0.02	-6.20e-03	0.0	0.0	52.2	-0.68	-1.24	-0.01	0.0	-6.20e-03	-0.02
65	146	0.15	0.0	-1.58e-04	-3.36	0.0	-0.53	1.41	-0.01	0.0	0.0	0.0
		-0.14	-6.72e-03	0.0	0.0	52.2	-0.53	-1.95	-0.01	0.0	-6.72e-03	-0.14
65	147	0.11	0.0	-1.10e-04	-4.30	0.0	0.19	1.35	-8.82e-03	0.0	0.0	0.0
		-0.42	-4.60e-03	0.0	0.0	52.2	0.19	-2.96	-8.82e-03	0.0	-4.60e-03	-0.42
65	151	0.13	0.0	-1.28e-04	-2.42	0.0	-0.51	1.09	-0.01	0.0	0.0	0.0
		-0.06	-5.41e-03	0.0	0.0	52.2	-0.51	-1.33	-0.01	0.0	-5.41e-03	-0.06
65	152	0.09	0.0	-8.98e-05	-2.80	0.0	-0.06	0.97	-7.23e-03	0.0	0.0	0.0
		-0.22	-3.77e-03	0.0	0.0	52.2	-0.06	-1.82	-7.23e-03	0.0	-3.77e-03	-0.22
65	155	0.08	0.0	-8.49e-05	-2.42	0.0	-0.12	0.88	-6.83e-03	0.0	0.0	0.0
		-0.17	-3.56e-03	0.0	0.0	52.2	-0.12	-1.54	-6.83e-03	0.0	-3.56e-03	-0.17
65	156	0.12	0.0	-1.21e-04	-2.42	0.0	-0.46	1.06	-9.86e-03	0.0	0.0	0.0
		-0.08	-5.15e-03	0.0	0.0	52.2	-0.46	-1.36	-9.86e-03	0.0	-5.15e-03	-0.08
66	3	0.25	-1.26e-04	-2.04e-04	-3.30	0.0	-0.25	1.53	3.26e-05	0.0	-1.43e-04	0.06
		0.0	-1.43e-04	0.0	0.0	52.2	-0.25	-1.78	3.26e-05	0.0	-1.26e-04	0.0
66	5	0.07	-4.95e-05	-8.66e-05	-2.26	0.0	0.02	1.48	-7.00e-05	0.0	-4.95e-05	-0.18
		-0.18	-8.60e-05	0.0	0.0	52.2	0.02	-0.79	-7.00e-05	0.0	-8.60e-05	0.0
66	7	0.22	-8.48e-05	-1.63e-04	-2.26	0.0	-0.25	0.87	6.45e-05	0.0	-1.18e-04	0.14
		0.0	-1.18e-04	0.0	0.0	52.2	-0.25	-1.39	6.45e-05	0.0	-8.48e-05	0.0
66	9	0.14	-9.10e-05	-1.83e-04	-6.12	0.0	0.21	4.30	-2.95e-04	0.0	-9.10e-05	-0.65
		-0.65	-2.45e-04	0.0	0.0	52.2	0.21	-1.83	-2.95e-04	0.0	-2.45e-04	0.0
66	20	0.0	-8.35e-03	-2.87e-04	-2.42	0.0	1.20	3.56	8.27e-03	0.0	-0.01	-1.23
		-1.23	-0.01	8.26e-04	0.0	52.2	1.20	1.14	8.27e-03	0.0	-8.35e-03	0.0
66	21	1.11	0.01	3.96e-05	-2.42	0.0	-1.38	-0.91	-8.31e-03	0.0	0.01	1.11
		0.0	8.17e-03	-8.26e-04	0.0	52.2	-1.38	-3.33	-8.31e-03	0.0	8.17e-03	0.0
66	23	0.0	-7.04e-03	-3.60e-04	-2.42	0.0	2.67	4.90	0.01	0.0	-0.01	-1.93
		-1.93	-0.01	9.04e-04	0.0	52.2	2.67	2.48	0.01	0.0	-7.04e-03	0.0
66	26	1.80	0.01	1.13e-04	-2.42	0.0	-2.85	-2.25	-0.01	0.0	0.01	1.80
		0.0	6.85e-03	-9.04e-04	0.0	52.2	-2.85	-4.67	-0.01	0.0	6.85e-03	0.0
66	52	0.0	-7.18e-03	-2.62e-04	-2.42	0.0	1.16	3.27	7.52e-03	0.0	-0.01	-1.07
		-1.07	-0.01	7.09e-04	0.0	52.2	1.16	0.85	7.52e-03	0.0	-7.18e-03	0.0
66	53	0.95	0.01	1.46e-05	-2.42	0.0	-1.34	-0.61	-7.57e-03	0.0	0.01	0.95
		0.0	7.00e-03	-7.09e-04	0.0	52.2	-1.34	-3.04	-7.57e-03	0.0	7.00e-03	0.0
66	55	0.0	-6.48e-03	-3.29e-04	-2.42	0.0	2.60	4.52	8.84e-03	0.0	-9.98e-03	-1.73
		-1.73	-9.98e-03	7.31e-04	0.0	52.2	2.60	2.09	8.84e-03	0.0	-6.48e-03	0.0
66	58	1.60	9.82e-03	8.17e-05	-2.42	0.0	-2.78	-1.86	-8.88e-03	0.0	9.82e-03	1.60
		0.0	6.29e-03	-7.31e-04	0.0	52.2	-2.78	-4.28	-8.88e-03	0.0	6.29e-03	0.0
66	84	0.0	-6.27e-03	-2.44e-04	-2.42	0.0	1.01	3.02	6.61e-03	0.0	-0.01	-0.95
		-0.95	-0.01	6.17e-04	0.0	52.2	1.01	0.60	6.61e-03	0.0	-6.27e-03	0.0
66	85	0.82	0.01	-5.65e-06	-2.42	0.0	-1.20	-0.37	-6.65e-03	0.0	0.01	0.82
		0.0	6.09e-03	-6.17e-04	0.0	52.2	-1.20	-2.79	-6.65e-03	0.0	6.09e-03	0.0
66	87	0.0	-5.71e-03	-3.03e-04	-2.42	0.0	2.30	4.13	7.74e-03	0.0	-8.71e-03	-1.52
		-1.52	-8.71e-03	6.33e-04	0.0	52.2	2.30	1.71	7.74e-03	0.0	-5.71e-03	0.0
66	90	1.40	8.55e-03	5.62e-05	-2.42	0.0	-2.48	-1.47	-7.78e-03	0.0	8.55e-03	1.40
		0.0	5.53e-03	-6.33e-04	0.0	52.2	-2.48	-3.90	-7.78e-03	0.0	5.53e-03	0.0
66	116	0.0	-0.01	-3.28e-04	-2.42	0.0	1.47	4.11	0.01	0.0	-0.02	-1.51
		-1.51	-0.02	1.03e-03	0.0	52.2	1.47	1.69	0.01	0.0	-0.01	0.0
66	117	1.39	0.02	8.04e-05	-2.42	0.0	-1.65	-1.45	-0.01	0.0	0.02	1.39
		0.0	0.01	-1.03e-03	0.0	52.2	-1.65	-3.87	-0.01	0.0	0.01	0.0
66	119	0.0	-8.60e-03	-4.19e-04	-2.42	0.0	3.25	5.75	0.01	0.0	-0.01	-2.37
		-2.37	-0.01	1.15e-03	0.0	52.2	3.25	3.33	0.01	0.0	-8.60e-03	0.0
66	122	2.25	0.01	1.72e-04	-2.42	0.0	-3.43	-3.10	-0.01	0.0	0.01	2.25
		0.0	8.41e-03	-1.15e-03	0.0	52.2	-3.43	-5.52	-0.01	0.0	8.41e-03	0.0
66	143	0.08	-5.35e-05	-9.31e-05	-2.42	0.0	0.02	1.57	-7.47e-05	0.0	-5.35e-05	-0.19
		-0.19	-9.25e-05	0.0	0.0	52.2	0.02	-0.85	-7.47e-05	0.0	-9.25e-05	0.0
66	145	0.17	-9.17e-05	-1.44e-04	-2.42	0.0	-0.16	1.17	1.49e-05	0.0	-9.95e-05	0.02
		0.0	-9.95e-05	0.0	0.0	52.2	-0.16	-1.26	1.49e-05	0.0	-9.17e-05	0.0
66	147	0.10	-6.51e-05	-1.30e-04	-4.30	0.0	0.14	3.01	-2.03e-04	0.0	-6.51e-05	-0.45
		-0.45	-1.71e-04	0.0	0.0	52.2	0.14	-1.29	-2.03e-04	0.0	-1.71e-04	0.0
66	150	0.08	-5.35e-05	-9.31e-05	-2.42	0.0	0.02	1.57	-7.47e-05	0.0	-5.35e-05	-0.19
		-0.19	-9.25e-05	0.0	0.0	52.2	0.02	-0.85	-7.47e-05	0.0	-9.25e-05	0.0
66	151	0.14	-8.57e-05	-1.29e-04	-2.42	0.0	-0.11	1.29	-1.19e-05	0.0	-8.57e-05	-0.04
		-0.04	-9.19e-05	0.0	0.0	52.2	-0.11	-1.13	-1.19e-05	0.0	-9.19e-05	0.0
66	152	0.08	-5.58e-05	-1.01e-04	-2.80	0.0	0.04	1.86	-1.00e-04	0.0	-5.58e-05	-0.24
		-0.24	-1.08e-04	0.0	0.0	52.2	0.04	-0.94	-1.00e-04	0.0	-1.08e-04	0.0
66	155	0.08	-5.35e-05	-9.31e-05	-2.42	0.0	0.02	1.57	-7.47e-05	0.0	-5.35e-05	-0.19
		-0.19	-9.25e-05	0.0	0.0	52.2	0.02	-0.85	-7.47e-05	0.0	-9.25e-05	0.0
66	156	0.13	-8.11e-05	-1.24e-04	-2.42	0.0	-0.09	1.33	-2.09e-05	0.0	-8.11e-05	-0.06
		-0.06	-9.20e-05	0.0	0.0	52.2	-0.09	-1.09	-2.09e-05	0.0	-9.20e-05	0.0

67	4	0.15	-1.51e-04	-2.31e-04	-4.71	0.0	-0.02	2.47	4.99e-03	0.0	-2.76e-03	-0.19
		-0.19	-2.76e-03	0.0	0.0	52.2	-0.02	-2.25	4.99e-03	0.0	-1.51e-04	-0.13
67	5	-0.02	-4.95e-05	-8.21e-05	-2.26	0.0	0.07	1.10	1.64e-03	0.0	-9.07e-04	-0.16
		-0.18	-9.07e-04	0.0	0.0	52.2	0.07	-1.16	1.64e-03	0.0	-4.95e-05	-0.18
67	7	0.25	-1.18e-04	-1.69e-04	-2.26	0.0	-0.16	1.26	3.93e-03	0.0	-2.17e-03	0.07
		0.07	-2.17e-03	0.0	0.0	52.2	-0.16	-1.00	3.93e-03	0.0	-1.18e-04	0.14
67	9	-0.23	-9.10e-05	-1.67e-04	-6.12	0.0	0.32	2.99	2.96e-03	0.0	-1.64e-03	-0.61
		-0.65	-1.64e-03	0.0	0.0	52.2	0.32	-3.14	2.96e-03	0.0	-9.10e-05	-0.65
67	20	-0.75	-0.01	-2.40e-04	-2.42	0.0	0.47	0.32	0.02	0.0	-0.03	-0.76
		-1.23	-0.03	8.32e-04	0.0	52.2	0.47	-2.10	0.02	0.0	-0.01	-1.23
67	21	1.11	0.02	-8.20e-06	-2.42	0.0	-0.51	2.18	-0.02	0.0	0.02	0.60
		0.60	0.01	-8.31e-04	0.0	52.2	-0.51	-0.24	-0.02	0.0	0.01	1.11
67	23	-1.21	-0.01	-2.91e-04	-2.42	0.0	1.43	-0.16	0.02	0.0	-0.02	-1.21
		-1.93	-0.02	9.09e-04	0.0	52.2	1.43	-2.58	0.02	0.0	-0.01	-1.93
67	26	1.80	0.02	4.44e-05	-2.42	0.0	-1.47	2.66	-0.01	0.0	0.02	1.05
		1.05	0.01	-9.09e-04	0.0	52.2	-1.47	0.24	-0.01	0.0	0.01	1.80
67	35	-1.00	-5.48e-03	-2.44e-04	-2.42	0.0	1.44	0.22	0.01	0.0	-0.01	-1.00
		-1.52	-0.01	3.03e-04	0.0	52.2	1.44	-2.20	0.01	0.0	-5.48e-03	-1.52
67	38	1.40	9.09e-03	-5.65e-06	-2.42	0.0	-1.49	2.28	-8.50e-03	0.0	9.09e-03	0.84
		0.84	5.31e-03	-3.03e-04	0.0	52.2	-1.49	-0.14	-8.50e-03	0.0	5.31e-03	1.40
67	52	-0.65	-0.01	-2.20e-04	-2.42	0.0	0.45	0.43	0.02	0.0	-0.02	-0.67
		-1.07	-0.02	7.15e-04	0.0	52.2	0.45	-1.99	0.02	0.0	-0.01	-1.07
67	53	0.97	0.02	-2.64e-05	-2.42	0.0	-0.49	2.07	-0.01	0.0	0.02	0.51
		0.51	0.01	-7.15e-04	0.0	52.2	-0.49	-0.36	-0.01	0.0	0.01	0.95
67	55	-1.09	-9.98e-03	-2.66e-04	-2.42	0.0	1.39	-0.01	0.02	0.0	-0.02	-1.09
		-1.73	-0.02	7.35e-04	0.0	52.2	1.39	-2.44	0.02	0.0	-9.98e-03	-1.73
67	58	1.60	0.02	1.97e-05	-2.42	0.0	-1.43	2.51	-0.01	0.0	0.02	0.93
		0.93	9.82e-03	-7.35e-04	0.0	52.2	-1.43	0.09	-0.01	0.0	9.82e-03	1.60
67	67	-0.98	-5.17e-03	-2.40e-04	-2.42	0.0	1.47	0.24	0.01	0.0	-0.01	-0.98
		-1.49	-0.01	2.61e-04	0.0	52.2	1.47	-2.18	0.01	0.0	-5.17e-03	-1.49
67	70	1.37	8.92e-03	-8.56e-06	-2.42	0.0	-1.52	2.26	-8.98e-03	0.0	8.92e-03	0.82
		0.82	5.01e-03	-2.61e-04	0.0	52.2	-1.52	-0.16	-8.98e-03	0.0	5.01e-03	1.37
67	84	-0.56	-0.01	-2.07e-04	-2.42	0.0	0.39	0.53	0.02	0.0	-0.02	-0.59
		-0.95	-0.02	6.22e-04	0.0	52.2	0.39	-1.89	0.02	0.0	-0.01	-0.95
67	85	0.85	0.02	-3.93e-05	-2.42	0.0	-0.43	1.96	-0.01	0.0	0.02	0.43
		0.43	0.01	-6.22e-04	0.0	52.2	-0.43	-0.46	-0.01	0.0	0.01	0.82
67	87	-0.96	-8.71e-03	-2.48e-04	-2.42	0.0	1.24	0.14	0.02	0.0	-0.02	-0.97
		-1.52	-0.02	6.37e-04	0.0	52.2	1.24	-2.28	0.02	0.0	-8.71e-03	-1.52
67	90	1.40	0.01	-3.69e-06	-2.42	0.0	-1.28	2.36	-0.01	0.0	0.01	0.80
		0.80	8.55e-03	-6.37e-04	0.0	52.2	-1.28	-0.06	-0.01	0.0	8.55e-03	1.40
67	99	-0.87	-4.57e-03	-2.26e-04	-2.42	0.0	1.31	0.35	0.01	0.0	-0.01	-0.88
		-1.33	-0.01	2.27e-04	0.0	52.2	1.31	-2.07	0.01	0.0	-4.57e-03	-1.33
67	102	1.22	7.71e-03	-2.00e-05	-2.42	0.0	-1.35	2.15	-7.71e-03	0.0	7.71e-03	0.72
		0.72	4.40e-03	-2.27e-04	0.0	52.2	-1.35	-0.28	-7.71e-03	0.0	4.40e-03	1.22
67	116	-0.93	-0.02	-2.70e-04	-2.42	0.0	0.58	0.10	0.03	0.0	-0.03	-0.93
		-1.51	-0.03	1.03e-03	0.0	52.2	0.58	-2.32	0.03	0.0	-0.02	-1.51
67	117	1.39	0.03	2.34e-05	-2.42	0.0	-0.62	2.40	-0.02	0.0	0.03	0.77
		0.77	0.02	-1.03e-03	0.0	52.2	-0.62	-0.02	-0.02	0.0	0.02	1.39
67	119	-1.48	-0.01	-3.33e-04	-2.42	0.0	1.72	-0.50	0.02	0.0	-0.03	-1.48
		-2.37	-0.03	1.15e-03	0.0	52.2	1.72	-2.92	0.02	0.0	-0.01	-2.37
67	122	2.25	0.02	8.70e-05	-2.42	0.0	-1.76	2.99	-0.02	0.0	0.02	1.32
		1.32	0.01	-1.15e-03	0.0	52.2	-1.76	0.57	-0.02	0.0	0.01	2.25
67	143	-0.02	-5.35e-05	-8.85e-05	-2.42	0.0	0.07	1.18	1.77e-03	0.0	-9.80e-04	-0.17
		-0.19	-9.80e-04	0.0	0.0	52.2	0.07	-1.24	1.77e-03	0.0	-5.35e-05	-0.19
67	145	0.16	-9.95e-05	-1.46e-04	-2.42	0.0	-0.08	1.29	3.30e-03	0.0	-1.82e-03	-0.02
		-0.02	-1.82e-03	0.0	0.0	52.2	-0.08	-1.13	3.30e-03	0.0	-9.95e-05	0.02
67	146	0.09	-1.05e-04	-1.62e-04	-3.36	0.0	-4.11e-03	1.75	3.47e-03	0.0	-1.92e-03	-0.14
		-0.14	-1.92e-03	0.0	0.0	52.2	-4.11e-03	-1.61	3.47e-03	0.0	-1.05e-04	-0.14
67	147	-0.15	-6.51e-05	-1.19e-04	-4.30	0.0	0.22	2.09	2.12e-03	0.0	-1.17e-03	-0.42
		-0.45	-1.17e-03	0.0	0.0	52.2	0.22	-2.21	2.12e-03	0.0	-6.51e-05	-0.45
67	150	-0.02	-5.35e-05	-8.85e-05	-2.42	0.0	0.07	1.18	1.77e-03	0.0	-9.80e-04	-0.17
		-0.19	-9.80e-04	0.0	0.0	52.2	0.07	-1.24	1.77e-03	0.0	-5.35e-05	-0.19
67	151	0.11	-8.57e-05	-1.29e-04	-2.42	0.0	-0.04	1.26	2.84e-03	0.0	-1.57e-03	-0.07
		-0.07	-1.57e-03	0.0	0.0	52.2	-0.04	-1.16	2.84e-03	0.0	-8.57e-05	-0.07
67	152	-0.05	-5.58e-05	-9.46e-05	-2.80	0.0	0.10	1.37	1.84e-03	0.0	-1.02e-03	-0.22
		-0.24	-1.02e-03	0.0	0.0	52.2	0.10	-1.43	1.84e-03	0.0	-5.58e-05	-0.24
67	155	-0.02	-5.35e-05	-8.85e-05	-2.42	0.0	0.07	1.18	1.77e-03	0.0	-9.80e-04	-0.17
		-0.19	-9.80e-04	0.0	0.0	52.2	0.07	-1.24	1.77e-03	0.0	-5.35e-05	-0.19
67	156	0.09	-8.11e-05	-1.23e-04	-2.42	0.0	-0.02	1.25	2.69e-03	0.0	-1.48e-03	-0.08
		-0.08	-1.48e-03	0.0	0.0	52.2	-0.02	-1.17	2.69e-03	0.0	-8.11e-05	-0.08
68	3	0.21	0.0	-2.08e-04	-3.30	0.0	-0.78	1.65	-5.00e-03	0.0	0.0	0.0
		-3.68e-03	-2.61e-03	0.0	0.0	52.2	-0.78	-1.66	-5.00e-03	0.0	-2.61e-03	-3.68e-03
68	4	0.22	0.0	-2.26e-04	-4.71	0.0	-0.56	1.99	-5.28e-03	0.0	0.0	0.0
		-0.19	-2.76e-03	0.0	0.0	52.2	-0.56	-2.72	-5.28e-03	0.0	-2.76e-03	-0.19
68	9	0.15	0.0	-1.53e-04	-6.12	0.0	0.36	1.90	-3.14e-03	0.0	0.0	0.0

		-0.61	-1.64e-03	0.0	0.0	52.2	0.36	-4.22	-3.14e-03	0.0	-1.64e-03	-0.61
68	12	0.12	0.0	-1.16e-04	-5.08	0.0	0.39	1.52	-2.30e-03	0.0	0.0	0.0
		-0.53	-1.20e-03	0.0	0.0	52.2	0.39	-3.56	-2.30e-03	0.0	-1.20e-03	-0.53
68	20	0.0	0.0	-3.70e-04	-2.42	0.0	1.24	-0.25	-0.05	0.0	0.0	0.0
		-0.76	-0.03	8.38e-04	0.0	52.2	1.24	-2.67	-0.05	0.0	-0.03	-0.76
68	21	0.60	0.02	1.28e-04	-2.42	0.0	-1.92	2.36	0.04	0.0	0.0	0.0
		0.0	0.0	-8.37e-04	0.0	52.2	-1.92	-0.06	0.04	0.0	0.02	0.60
68	23	0.0	0.0	-4.85e-04	-2.42	0.0	3.48	-1.11	-0.04	0.0	0.0	0.0
		-1.21	-0.02	9.14e-04	0.0	52.2	3.48	-3.53	-0.04	0.0	-0.02	-1.21
68	26	1.05	0.02	2.42e-04	-2.42	0.0	-4.16	3.22	0.03	0.0	0.0	0.0
		0.0	0.0	-9.14e-04	0.0	52.2	-4.16	0.80	0.03	0.0	0.02	1.05
68	52	0.0	0.0	-3.73e-04	-2.42	0.0	1.13	-0.07	-0.04	0.0	0.0	0.0
		-0.67	-0.02	7.21e-04	0.0	52.2	1.13	-2.49	-0.04	0.0	-0.02	-0.67
68	53	0.51	0.02	1.30e-04	-2.42	0.0	-1.81	2.18	0.04	0.0	0.0	0.0
		0.0	0.0	-7.21e-04	0.0	52.2	-1.81	-0.24	0.04	0.0	0.02	0.51
68	55	0.0	0.0	-4.81e-04	-2.42	0.0	3.33	-0.87	-0.04	0.0	0.0	0.0
		-1.09	-0.02	7.39e-04	0.0	52.2	3.33	-3.29	-0.04	0.0	-0.02	-1.09
68	58	0.93	0.02	2.38e-04	-2.42	0.0	-4.01	2.99	0.03	0.0	0.0	0.0
		0.0	0.0	-7.39e-04	0.0	52.2	-4.01	0.56	0.03	0.0	0.02	0.93
68	84	0.0	0.0	-3.45e-04	-2.42	0.0	0.96	0.08	-0.04	0.0	0.0	0.0
		-0.59	-0.02	6.28e-04	0.0	52.2	0.96	-2.35	-0.04	0.0	-0.02	-0.59
68	85	0.45	0.02	1.03e-04	-2.42	0.0	-1.63	2.04	0.03	0.0	0.0	0.0
		0.0	0.0	-6.27e-04	0.0	52.2	-1.63	-0.38	0.03	0.0	0.02	0.43
68	87	0.0	0.0	-4.42e-04	-2.42	0.0	2.92	-0.64	-0.03	0.0	0.0	0.0
		-0.97	-0.02	6.41e-04	0.0	52.2	2.92	-3.06	-0.03	0.0	-0.02	-0.97
68	90	0.80	0.01	1.99e-04	-2.42	0.0	-3.59	2.75	0.03	0.0	0.0	0.0
		0.0	0.0	-6.40e-04	0.0	52.2	-3.59	0.33	0.03	0.0	0.01	0.80
68	116	0.0	0.0	-4.17e-04	-2.42	0.0	1.60	-0.57	-0.06	0.0	0.0	0.0
		-0.93	-0.03	1.04e-03	0.0	52.2	1.60	-3.00	-0.06	0.0	-0.03	-0.93
68	117	0.77	0.03	1.74e-04	-2.42	0.0	-2.27	2.69	0.06	0.0	0.0	0.0
		0.0	0.0	-1.04e-03	0.0	52.2	-2.27	0.26	0.06	0.0	0.03	0.77
68	119	0.0	0.0	-5.59e-04	-2.42	0.0	4.29	-1.63	-0.05	0.0	0.0	0.0
		-1.48	-0.03	1.16e-03	0.0	52.2	4.29	-4.05	-0.05	0.0	-0.03	-1.48
68	122	1.32	0.02	3.16e-04	-2.42	0.0	-4.97	3.74	0.04	0.0	0.0	0.0
		0.0	0.0	-1.16e-03	0.0	52.2	-4.97	1.32	0.04	0.0	0.02	1.32
68	145	0.15	0.0	-1.46e-04	-2.42	0.0	-0.53	1.17	-3.49e-03	0.0	0.0	0.0
		-0.02	-1.82e-03	0.0	0.0	52.2	-0.53	-1.25	-3.49e-03	0.0	-1.82e-03	-0.02
68	146	0.15	0.0	-1.58e-04	-3.36	0.0	-0.38	1.41	-3.68e-03	0.0	0.0	0.0
		-0.14	-1.92e-03	0.0	0.0	52.2	-0.38	-1.95	-3.68e-03	0.0	-1.92e-03	-0.14
68	147	0.11	0.0	-1.10e-04	-4.30	0.0	0.24	1.34	-2.25e-03	0.0	0.0	0.0
		-0.42	-1.17e-03	0.0	0.0	52.2	0.24	-2.96	-2.25e-03	0.0	-1.17e-03	-0.42
68	151	0.13	0.0	-1.28e-04	-2.42	0.0	-0.39	1.09	-3.01e-03	0.0	0.0	0.0
		-0.07	-1.57e-03	0.0	0.0	52.2	-0.39	-1.34	-3.01e-03	0.0	-1.57e-03	-0.07
68	152	0.09	0.0	-8.98e-05	-2.80	0.0	3.17e-03	0.97	-1.95e-03	0.0	0.0	0.0
		-0.22	-1.02e-03	0.0	0.0	52.2	3.17e-03	-1.83	-1.95e-03	0.0	-1.02e-03	-0.22
68	155	0.08	0.0	-8.49e-05	-2.42	0.0	-0.06	0.88	-1.88e-03	0.0	0.0	0.0
		-0.17	-9.80e-04	0.0	0.0	52.2	-0.06	-1.54	-1.88e-03	0.0	-9.80e-04	-0.17
68	156	0.12	0.0	-1.21e-04	-2.42	0.0	-0.34	1.06	-2.84e-03	0.0	0.0	0.0
		-0.08	-1.48e-03	0.0	0.0	52.2	-0.34	-1.37	-2.84e-03	0.0	-1.48e-03	-0.08
69	3	29.08	5.00e-05	1.26e-03	-72.93	0.0	0.38	36.46	6.41e-05	-1.14e-04	-1.54e-04	0.0
		0.0	-1.54e-04	0.0	0.0	319.0	0.38	-36.46	6.41e-05	-1.14e-04	5.00e-05	0.0
69	4	29.08	5.44e-05	1.32e-03	-72.93	0.0	0.47	36.46	7.03e-05	-9.83e-05	-1.70e-04	0.0
		0.0	-1.70e-04	0.0	0.0	319.0	0.47	-36.46	7.03e-05	-9.83e-05	5.44e-05	0.0
69	5	7.81	2.27e-05	4.60e-04	-19.58	0.0	0.19	9.79	2.97e-05	-1.81e-05	-7.19e-05	0.0
		0.0	-7.19e-05	0.0	0.0	319.0	0.19	-9.79	2.97e-05	-1.81e-05	2.27e-05	0.0
69	9	11.91	4.10e-05	8.08e-04	-29.86	0.0	0.46	14.93	5.48e-05	4.21e-06	-1.34e-04	0.0
		0.0	-1.34e-04	0.0	0.0	319.0	0.46	-14.93	5.48e-05	4.21e-06	4.10e-05	0.0
69	11	23.93	5.34e-05	1.22e-03	-60.01	0.0	0.53	30.00	7.00e-05	-5.62e-05	-1.70e-04	0.0
		0.0	-1.70e-04	0.0	0.0	319.0	0.53	-30.00	7.00e-05	-5.62e-05	5.34e-05	0.0
69	25	15.44	0.03	-7.56e-04	-38.72	0.0	-0.19	19.36	7.37e-03	-0.07	0.01	0.0
		0.0	0.01	-4.09e-03	0.0	319.0	-0.19	-19.36	7.37e-03	-0.07	0.03	0.0
69	27	15.44	-0.01	1.70e-03	-38.72	0.0	1.09	19.36	-5.51e-03	0.07	-0.01	0.0
		0.0	-0.03	4.09e-03	0.0	319.0	1.09	-19.36	-5.51e-03	0.07	-0.03	0.0
69	28	15.44	-0.01	1.38e-03	-38.72	0.0	0.73	19.36	-7.32e-03	0.06	-0.01	0.0
		0.0	-0.03	3.85e-03	0.0	319.0	0.73	-19.36	-7.32e-03	0.06	-0.03	0.0
69	29	15.44	0.03	-7.73e-04	-38.72	0.0	-0.24	19.36	7.40e-03	-0.06	0.01	0.0
		0.0	0.01	-3.85e-03	0.0	319.0	-0.24	-19.36	7.40e-03	-0.06	0.03	0.0
69	35	15.44	-6.74e-03	1.60e-03	-38.72	0.0	1.22	19.36	1.03e-03	7.16e-03	-6.74e-03	0.0
		0.0	-0.02	7.91e-04	0.0	319.0	1.22	-19.36	1.03e-03	7.16e-03	-0.02	0.0
69	38	15.44	0.02	-8.83e-04	-38.72	0.0	-0.73	19.36	-9.49e-04	-7.27e-03	6.55e-03	0.0
		0.0	6.55e-03	-7.91e-04	0.0	319.0	-0.73	-19.36	-9.49e-04	-7.27e-03	0.02	0.0
69	58	15.44	0.03	-8.95e-04	-38.72	0.0	-0.69	19.36	5.27e-03	-0.05	0.01	0.0
		0.0	0.01	-3.05e-03	0.0	319.0	-0.69	-19.36	5.27e-03	-0.05	0.03	0.0
69	59	15.44	-0.01	1.60e-03	-38.72	0.0	1.14	19.36	-5.16e-03	0.06	-0.01	0.0
		0.0	-0.02	3.33e-03	0.0	319.0	1.14	-19.36	-5.16e-03	0.06	-0.02	0.0

69	60	15.44	-0.01	1.26e-03	-38.72	0.0	0.75	19.36	-7.10e-03	0.05	-0.01	0.0
		0.0	-0.03	3.05e-03	0.0	319.0	0.75	-19.36	-7.10e-03	0.05	-0.03	0.0
69	61	15.44	0.03	-7.13e-04	-38.72	0.0	-0.26	19.36	7.18e-03	-0.05	0.01	0.0
		0.0	0.01	-3.05e-03	0.0	319.0	-0.26	-19.36	7.18e-03	-0.05	0.03	0.0
69	67	15.44	-6.58e-03	1.60e-03	-38.72	0.0	1.26	19.36	1.33e-03	3.74e-03	-6.58e-03	0.0
		0.0	-0.01	4.94e-04	0.0	319.0	1.26	-19.36	1.33e-03	3.74e-03	-0.01	0.0
69	70	15.44	0.01	-8.79e-04	-38.72	0.0	-0.77	19.36	-1.25e-03	-3.85e-03	6.38e-03	0.0
		0.0	6.38e-03	-4.93e-04	0.0	319.0	-0.77	-19.36	-1.25e-03	-3.85e-03	0.01	0.0
69	91	15.44	-0.01	1.49e-03	-38.72	0.0	1.04	19.36	-4.56e-03	0.05	-0.01	0.0
		0.0	-0.02	2.88e-03	0.0	319.0	1.04	-19.36	-4.56e-03	0.05	-0.02	0.0
69	92	15.44	-9.34e-03	1.19e-03	-38.72	0.0	0.69	19.36	-6.30e-03	0.05	-9.34e-03	0.0
		0.0	-0.02	2.63e-03	0.0	319.0	0.69	-19.36	-6.30e-03	0.05	-0.02	0.0
69	93	15.44	0.02	-6.80e-04	-38.72	0.0	-0.20	19.36	6.38e-03	-0.05	9.15e-03	0.0
		0.0	9.15e-03	-2.63e-03	0.0	319.0	-0.20	-19.36	6.38e-03	-0.05	0.02	0.0
69	94	15.44	0.02	-8.28e-04	-38.72	0.0	-0.55	19.36	4.64e-03	-0.05	0.01	0.0
		0.0	0.01	-2.88e-03	0.0	319.0	-0.55	-19.36	4.64e-03	-0.05	0.02	0.0
69	99	15.44	-5.85e-03	1.50e-03	-38.72	0.0	1.15	19.36	1.20e-03	3.01e-03	-5.85e-03	0.0
		0.0	-0.01	4.13e-04	0.0	319.0	1.15	-19.36	1.20e-03	3.01e-03	-0.01	0.0
69	102	15.44	0.01	-8.31e-04	-38.72	0.0	-0.66	19.36	-1.12e-03	-3.12e-03	5.65e-03	0.0
		0.0	5.65e-03	-4.13e-04	0.0	319.0	-0.66	-19.36	-1.12e-03	-3.12e-03	0.01	0.0
69	121	15.44	0.03	-8.43e-04	-38.72	0.0	-0.26	19.36	8.88e-03	-0.09	0.01	0.0
		0.0	0.01	-5.19e-03	0.0	319.0	-0.26	-19.36	8.88e-03	-0.09	0.03	0.0
69	123	15.44	-0.02	1.93e-03	-38.72	0.0	1.23	19.36	-6.75e-03	0.09	-0.02	0.0
		0.0	-0.03	5.19e-03	0.0	319.0	1.23	-19.36	-6.75e-03	0.09	-0.03	0.0
69	124	15.44	-0.02	1.56e-03	-38.72	0.0	0.81	19.36	-8.84e-03	0.08	-0.02	0.0
		0.0	-0.04	4.93e-03	0.0	319.0	0.81	-19.36	-8.84e-03	0.08	-0.04	0.0
69	125	15.44	0.04	-8.62e-04	-38.72	0.0	-0.32	19.36	8.92e-03	-0.08	0.01	0.0
		0.0	0.01	-4.92e-03	0.0	319.0	-0.32	-19.36	8.92e-03	-0.08	0.04	0.0
69	131	15.44	-8.09e-03	1.77e-03	-38.72	0.0	1.38	19.36	1.04e-03	0.01	-8.09e-03	0.0
		0.0	-0.02	1.08e-03	0.0	319.0	1.38	-19.36	1.04e-03	0.01	-0.02	0.0
69	134	15.44	0.02	-9.72e-04	-38.72	0.0	-0.89	19.36	-9.59e-04	-0.01	7.89e-03	0.0
		0.0	7.89e-03	-1.08e-03	0.0	319.0	-0.89	-19.36	-9.59e-04	-0.01	0.02	0.0
69	143	8.57	2.40e-05	4.94e-04	-21.50	0.0	0.21	10.75	3.13e-05	-2.02e-05	-7.59e-05	0.0
		0.0	-7.59e-05	0.0	0.0	319.0	0.21	-10.75	3.13e-05	-2.02e-05	2.40e-05	0.0
69	145	20.02	3.57e-05	8.82e-04	-50.21	0.0	0.27	25.10	4.58e-05	-7.77e-05	-1.10e-04	0.0
		0.0	-1.10e-04	0.0	0.0	319.0	0.27	-25.10	4.58e-05	-7.77e-05	3.57e-05	0.0
69	146	20.02	3.86e-05	9.26e-04	-50.21	0.0	0.33	25.10	4.99e-05	-6.68e-05	-1.21e-04	0.0
		0.0	-1.21e-04	0.0	0.0	319.0	0.33	-25.10	4.99e-05	-6.68e-05	3.86e-05	0.0
69	147	8.57	2.97e-05	5.82e-04	-21.50	0.0	0.33	10.75	3.96e-05	1.47e-06	-9.66e-05	0.0
		0.0	-9.66e-05	0.0	0.0	319.0	0.33	-10.75	3.96e-05	1.47e-06	2.97e-05	0.0
69	149	16.59	3.79e-05	8.54e-04	-41.59	0.0	0.37	20.80	4.97e-05	-3.88e-05	-1.21e-04	0.0
		0.0	-1.21e-04	0.0	0.0	319.0	0.37	-20.80	4.97e-05	-3.88e-05	3.79e-05	0.0
69	150	8.57	2.40e-05	4.94e-04	-21.50	0.0	0.21	10.75	3.13e-05	-2.02e-05	-7.59e-05	0.0
		0.0	-7.59e-05	0.0	0.0	319.0	0.21	-10.75	3.13e-05	-2.02e-05	2.40e-05	0.0
69	151	16.59	3.22e-05	7.65e-04	-41.59	0.0	0.25	20.80	4.14e-05	-6.04e-05	-1.00e-04	0.0
		0.0	-1.00e-04	0.0	0.0	319.0	0.25	-20.80	4.14e-05	-6.04e-05	3.22e-05	0.0
69	152	8.57	2.51e-05	5.11e-04	-21.50	0.0	0.23	10.75	3.30e-05	-1.58e-05	-8.01e-05	0.0
		0.0	-8.01e-05	0.0	0.0	319.0	0.23	-10.75	3.30e-05	-1.58e-05	2.51e-05	0.0
69	154	15.44	3.22e-05	7.44e-04	-38.72	0.0	0.27	19.36	4.17e-05	-5.03e-05	-1.01e-04	0.0
		0.0	-1.01e-04	0.0	0.0	319.0	0.27	-19.36	4.17e-05	-5.03e-05	3.22e-05	0.0
69	155	8.57	2.40e-05	4.94e-04	-21.50	0.0	0.21	10.75	3.13e-05	-2.02e-05	-7.59e-05	0.0
		0.0	-7.59e-05	0.0	0.0	319.0	0.21	-10.75	3.13e-05	-2.02e-05	2.40e-05	0.0
69	156	15.44	3.10e-05	7.26e-04	-38.72	0.0	0.24	19.36	4.00e-05	-5.47e-05	-9.66e-05	0.0
		0.0	-9.66e-05	0.0	0.0	319.0	0.24	-19.36	4.00e-05	-5.47e-05	3.10e-05	0.0
70	3	-5.49e-03	4.78e-05	-2.28e-05	-11.13	0.0	0.72	3.49	-8.12e-05	-7.95e-05	4.78e-05	-0.27
		-1.28	1.18e-05	0.0	0.0	48.7	0.72	-7.63	-8.12e-05	-7.95e-05	1.18e-05	-1.28
70	4	0.12	5.17e-05	-2.70e-05	-11.13	0.0	0.79	3.45	-8.40e-05	-6.82e-05	5.17e-05	-0.14
		-1.16	1.39e-05	0.0	0.0	48.7	0.79	-7.67	-8.40e-05	-6.82e-05	1.39e-05	-1.16
70	5	0.13	2.14e-05	-1.43e-05	-2.99	0.0	0.27	0.89	-3.22e-05	-1.25e-05	2.14e-05	0.06
		-0.23	6.42e-06	0.0	0.0	48.7	0.27	-2.10	-3.22e-05	-1.25e-05	6.42e-06	-0.23
70	9	0.44	3.83e-05	-3.22e-05	-4.56	0.0	0.55	1.28	-5.16e-05	3.27e-06	3.83e-05	0.35
		-0.13	1.34e-05	0.0	0.0	48.7	0.55	-3.27	-5.16e-05	3.27e-06	1.34e-05	-0.13
70	23	1.03	-0.02	-2.95e-04	-5.91	0.0	0.83	2.74	-8.51e-03	0.06	-0.02	0.73
		0.61	-0.03	5.76e-04	0.0	48.7	0.83	-3.16	-8.51e-03	0.06	-0.03	0.61
70	26	-0.85	0.03	2.69e-04	-5.91	0.0	6.50e-03	0.92	8.42e-03	-0.06	0.02	-0.89
		-1.86	0.02	-5.76e-04	0.0	48.7	6.50e-03	-4.99	8.42e-03	-0.06	0.03	-1.86
70	28	0.76	-0.03	-1.95e-04	-5.91	0.0	0.57	2.45	-8.53e-03	0.06	-0.03	0.51
		0.26	-0.03	5.76e-04	0.0	48.7	0.57	-3.46	-8.53e-03	0.06	-0.03	0.26
70	29	-0.61	0.03	1.68e-04	-5.91	0.0	0.27	1.22	8.43e-03	-0.06	0.03	-0.67
		-1.51	0.03	-5.76e-04	0.0	48.7	0.27	-4.69	8.43e-03	-0.06	0.03	-1.51
70	35	0.79	-1.51e-03	-2.64e-04	-5.91	0.0	0.95	2.61	-5.12e-03	7.03e-03	-1.51e-03	0.52
		0.33	-0.01	9.77e-05	0.0	48.7	0.95	-3.30	-5.12e-03	7.03e-03	-0.01	0.33
70	38	-0.63	0.01	2.38e-04	-5.91	0.0	-0.11	1.05	5.02e-03	-7.11e-03	1.57e-03	-0.67
		-1.59	1.57e-03	-9.77e-05	0.0	48.7	-0.11	-4.86	5.02e-03	-7.11e-03	0.01	-1.59
70	55	0.94	-0.02	-2.60e-04	-5.91	0.0	0.85	2.63	-9.07e-03	0.05	-0.02	0.66

		0.48	-0.02	4.56e-04	0.0	48.7	0.85	-3.28	-9.07e-03	0.05	-0.02	0.48
70	58	-0.77	0.02	2.33e-04	-5.91	0.0	-0.02	1.03	8.97e-03	-0.05	0.02	-0.82
		-1.73	0.02	-4.56e-04	0.0	48.7	-0.02	-4.87	8.97e-03	-0.05	0.02	-1.73
70	60	0.65	-0.02	-1.54e-04	-5.91	0.0	0.58	2.32	-9.08e-03	0.05	-0.02	0.43
		0.11	-0.02	4.56e-04	0.0	48.7	0.58	-3.59	-9.08e-03	0.05	-0.02	0.11
70	61	-0.51	0.02	1.27e-04	-5.91	0.0	0.25	1.34	8.98e-03	-0.05	0.02	-0.59
		-1.36	0.02	-4.56e-04	0.0	48.7	0.25	-4.56	8.98e-03	-0.05	0.02	-1.36
70	67	0.78	2.21e-04	-2.61e-04	-5.91	0.0	0.97	2.59	-5.51e-03	3.94e-03	2.21e-04	0.51
		0.32	-0.01	5.20e-05	0.0	48.7	0.97	-3.31	-5.51e-03	3.94e-03	-0.01	0.32
70	70	-0.62	0.01	2.34e-04	-5.91	0.0	-0.14	1.07	5.42e-03	-4.02e-03	-1.62e-04	-0.67
		-1.57	-1.62e-04	-5.20e-05	0.0	48.7	-0.14	-4.84	5.42e-03	-4.02e-03	0.01	-1.57
70	87	0.83	-0.02	-2.29e-04	-5.91	0.0	0.81	2.53	-8.15e-03	0.04	-0.02	0.57
		0.35	-0.02	3.94e-04	0.0	48.7	0.81	-3.38	-8.15e-03	0.04	-0.02	0.35
70	90	-0.68	0.02	2.03e-04	-5.91	0.0	0.03	1.13	8.05e-03	-0.04	0.02	-0.73
		-1.60	0.02	-3.94e-04	0.0	48.7	0.03	-4.78	8.05e-03	-0.04	0.02	-1.60
70	92	0.57	-0.02	-1.35e-04	-5.91	0.0	0.56	2.25	-8.15e-03	0.04	-0.02	0.37
		0.01	-0.02	3.94e-04	0.0	48.7	0.56	-3.65	-8.15e-03	0.04	-0.02	0.01
70	93	-0.44	0.02	1.08e-04	-5.91	0.0	0.27	1.41	8.06e-03	-0.04	0.02	-0.53
		-1.27	0.02	-3.94e-04	0.0	48.7	0.27	-4.50	8.06e-03	-0.04	0.02	-1.27
70	99	0.70	3.44e-04	-2.33e-04	-5.91	0.0	0.91	2.51	-4.96e-03	3.22e-03	3.44e-04	0.45
		0.21	-0.01	4.23e-05	0.0	48.7	0.91	-3.40	-4.96e-03	3.22e-03	-0.01	0.21
70	102	-0.55	0.01	2.07e-04	-5.91	0.0	-0.08	1.15	4.86e-03	-3.29e-03	-2.85e-04	-0.60
		-1.46	-2.85e-04	-4.23e-05	0.0	48.7	-0.08	-4.75	4.86e-03	-3.29e-03	0.01	-1.46
70	119	1.27	-0.03	-3.64e-04	-5.91	0.0	0.89	2.97	-9.93e-03	0.07	-0.03	0.92
		0.91	-0.03	7.37e-04	0.0	48.7	0.89	-2.94	-9.93e-03	0.07	-0.03	0.91
70	122	-1.05	0.03	3.38e-04	-5.91	0.0	-0.06	0.70	9.83e-03	-0.07	0.03	-1.08
		-2.16	0.03	-7.37e-04	0.0	48.7	-0.06	-5.21	9.83e-03	-0.07	0.03	-2.16
70	124	0.94	-0.03	-2.48e-04	-5.91	0.0	0.59	2.62	-9.94e-03	0.07	-0.04	0.67
		0.49	-0.04	7.37e-04	0.0	48.7	0.59	-3.29	-9.94e-03	0.07	-0.03	0.49
70	125	-0.78	0.04	2.21e-04	-5.91	0.0	0.24	1.04	9.85e-03	-0.07	0.04	-0.82
		-1.74	0.03	-7.37e-04	0.0	48.7	0.24	-4.87	9.85e-03	-0.07	0.03	-1.74
70	131	0.93	-2.64e-03	-3.12e-04	-5.91	0.0	1.03	2.76	-5.92e-03	9.79e-03	-2.64e-03	0.63
		0.52	-0.02	1.37e-04	0.0	48.7	1.03	-3.15	-5.92e-03	9.79e-03	-0.02	0.52
70	134	-0.75	0.02	2.86e-04	-5.91	0.0	-0.20	0.90	5.83e-03	-9.86e-03	2.70e-03	-0.79
		-1.77	2.70e-03	-1.37e-04	0.0	48.7	-0.20	-5.01	5.83e-03	-9.86e-03	0.02	-1.77
70	143	0.13	2.26e-05	-1.48e-05	-3.28	0.0	0.29	0.98	-3.40e-05	-1.39e-05	2.26e-05	0.06
		-0.26	6.77e-06	0.0	0.0	48.7	0.29	-2.30	-3.40e-05	-1.39e-05	6.77e-06	-0.26
70	145	0.01	3.41e-05	-1.65e-05	-7.66	0.0	0.50	2.40	-5.75e-05	-5.39e-05	3.41e-05	-0.17
		-0.87	8.51e-06	0.0	0.0	48.7	0.50	-5.26	-5.75e-05	-5.39e-05	8.51e-06	-0.87
70	146	0.10	3.67e-05	-1.94e-05	-7.66	0.0	0.55	2.37	-5.93e-05	-4.64e-05	3.67e-05	-0.08
		-0.79	9.92e-06	0.0	0.0	48.7	0.55	-5.29	-5.93e-05	-4.64e-05	9.92e-06	-0.79
70	147	0.31	2.77e-05	-2.31e-05	-3.28	0.0	0.92	0.92	-3.77e-05	1.27e-06	2.77e-05	0.24
		-0.11	9.60e-06	0.0	0.0	48.7	0.39	-2.36	-3.77e-05	1.27e-06	9.60e-06	-0.11
70	150	0.13	2.26e-05	-1.48e-05	-3.28	0.0	0.29	0.98	-3.40e-05	-1.39e-05	2.26e-05	0.06
		-0.26	6.77e-06	0.0	0.0	48.7	0.29	-2.30	-3.40e-05	-1.39e-05	6.77e-06	-0.26
70	151	0.05	3.06e-05	-1.57e-05	-6.35	0.0	0.44	1.97	-5.04e-05	-4.19e-05	3.06e-05	-0.10
		-0.69	7.99e-06	0.0	0.0	48.7	0.44	-4.37	-5.04e-05	-4.19e-05	7.99e-06	-0.69
70	152	0.17	2.36e-05	-1.65e-05	-3.28	0.0	0.31	0.97	-3.48e-05	-1.09e-05	2.36e-05	0.10
		-0.23	7.34e-06	0.0	0.0	48.7	0.31	-2.31	-3.48e-05	-1.09e-05	7.34e-06	-0.23
70	155	0.13	2.26e-05	-1.48e-05	-3.28	0.0	0.29	0.98	-3.40e-05	-1.39e-05	2.26e-05	0.06
		-0.26	6.77e-06	0.0	0.0	48.7	0.29	-2.30	-3.40e-05	-1.39e-05	6.77e-06	-0.26
70	156	0.06	2.95e-05	-1.54e-05	-5.91	0.0	0.42	1.83	-4.81e-05	-3.79e-05	2.95e-05	-0.08
		-0.63	7.81e-06	0.0	0.0	48.7	0.42	-4.08	-4.81e-05	-3.79e-05	7.81e-06	-0.63
71	3	-0.58	1.29e-05	-4.22e-05	-11.13	0.0	0.46	5.66	-2.48e-05	-1.99e-05	1.29e-05	-1.28
		-1.28	2.41e-06	0.0	0.0	48.7	0.46	-5.46	-2.48e-05	-1.99e-05	2.41e-06	-1.28
71	5	-0.10	6.66e-06	-1.78e-05	-2.99	0.0	0.23	1.28	-1.13e-05	-3.13e-06	6.66e-06	-0.23
		-0.34	1.50e-06	0.0	0.0	48.7	0.23	-1.71	-1.13e-05	-3.13e-06	1.50e-06	-0.34
71	11	-0.33	1.59e-05	-4.23e-05	-9.15	0.0	0.62	4.07	-2.73e-05	-9.63e-06	1.59e-05	-0.77
		-1.02	3.57e-06	0.0	0.0	48.7	0.62	-5.09	-2.73e-05	-9.63e-06	3.57e-06	-1.02
71	12	0.05	1.07e-05	-2.34e-05	-2.99	0.0	0.43	0.79	-1.64e-05	2.66e-06	1.07e-05	-4.20e-04
		-0.34	2.74e-06	0.0	0.0	48.7	0.43	-2.20	-1.64e-05	2.66e-06	2.74e-06	-0.34
71	23	0.61	-0.03	-2.51e-04	-5.91	0.0	0.23	0.19	0.02	0.05	-0.03	0.61
		-0.77	-0.03	5.74e-04	0.0	48.7	0.23	-5.72	0.02	0.05	-0.03	-0.77
71	26	-0.54	0.03	2.00e-04	-5.91	0.0	0.36	5.59	-0.02	-0.05	0.03	-1.86
		-1.86	0.03	-5.74e-04	0.0	48.7	0.36	-0.31	-0.02	-0.05	0.03	-0.55
71	27	0.58	-0.02	-2.47e-04	-5.91	0.0	0.23	0.26	0.02	0.06	-0.03	0.58
		-0.76	-0.03	6.24e-04	0.0	48.7	0.23	-5.65	0.02	0.06	-0.02	-0.76
71	30	-0.54	0.03	1.97e-04	-5.91	0.0	0.37	5.52	-0.02	-0.06	0.03	-1.83
		-1.83	0.02	-6.24e-04	0.0	48.7	0.37	-0.39	-0.02	-0.06	0.02	-0.55
71	36	-0.40	-1.52e-03	-5.18e-06	-5.91	0.0	-0.01	3.66	6.94e-03	0.03	-0.02	-0.96
		-0.96	-0.02	2.64e-04	0.0	48.7	-0.01	-2.25	6.94e-03	0.03	-1.52e-03	-0.61
71	37	-0.11	0.02	-5.43e-05	-5.91	0.0	0.61	2.12	-6.97e-03	-0.03	0.02	-0.29
		-0.70	1.52e-03	-2.64e-04	0.0	48.7	0.61	-3.78	-6.97e-03	-0.03	1.52e-03	-0.70
71	55	0.49	-0.02	-2.21e-04	-5.91	0.0	0.22	0.50	0.01	0.05	-0.02	0.48
		-0.76	-0.02	4.54e-04	0.0	48.7	0.22	-5.41	0.01	0.05	-0.02	-0.76

71	58	-0.54	0.02	1.70e-04	-5.91	0.0	0.37	5.28	-0.01	-0.05	0.02	-1.73
		-1.73	0.02	-4.54e-04	0.0	48.7	0.37	-0.63	-0.01	-0.05	0.02	-0.56
71	59	0.46	-0.02	-2.17e-04	-5.91	0.0	0.22	0.57	0.01	0.05	-0.03	0.45
		-0.75	-0.03	5.11e-04	0.0	48.7	0.22	-5.34	0.01	0.05	-0.02	-0.75
71	62	-0.54	0.03	1.67e-04	-5.91	0.0	0.37	5.21	-0.01	-0.05	0.03	-1.70
		-1.70	0.02	-5.11e-04	0.0	48.7	0.37	-0.69	-0.01	-0.05	0.02	-0.56
71	68	-0.42	6.54e-05	1.50e-05	-5.91	0.0	-0.03	3.81	6.34e-03	0.03	-0.01	-1.03
		-1.03	-0.01	2.39e-04	0.0	48.7	-0.03	-2.10	6.34e-03	0.03	6.54e-05	-0.60
71	69	-0.07	0.01	-6.54e-05	-5.91	0.0	0.62	1.97	-6.37e-03	-0.03	0.01	-0.22
		-0.71	-6.20e-05	-2.39e-04	0.0	48.7	0.62	-3.94	-6.37e-03	-0.03	-6.20e-05	-0.71
71	87	0.37	-0.02	-1.96e-04	-5.91	0.0	0.23	0.79	0.01	0.04	-0.02	0.35
		-0.74	-0.02	3.93e-04	0.0	48.7	0.23	-5.12	0.01	0.04	-0.02	-0.74
71	90	-0.54	0.02	1.46e-04	-5.91	0.0	0.37	4.99	-0.01	-0.04	0.02	-1.60
		-1.60	0.02	-3.93e-04	0.0	48.7	0.37	-0.92	-0.01	-0.04	0.02	-0.57
71	91	0.35	-0.02	-1.93e-04	-5.91	0.0	0.23	0.85	0.01	0.05	-0.02	0.32
		-0.74	-0.02	4.43e-04	0.0	48.7	0.23	-5.06	0.01	0.05	-0.02	-0.74
71	94	-0.54	0.02	1.43e-04	-5.91	0.0	0.37	4.93	-0.01	-0.05	0.02	-1.57
		-1.57	0.02	-4.43e-04	0.0	48.7	0.37	-0.98	-0.01	-0.05	0.02	-0.57
71	100	-0.41	1.90e-04	1.15e-05	-5.91	0.0	6.82e-03	3.72	5.58e-03	0.02	-0.01	-0.99
		-0.99	-0.01	2.10e-04	0.0	48.7	6.82e-03	-2.19	5.58e-03	0.02	1.90e-04	-0.61
71	101	-0.09	0.01	-6.19e-05	-5.91	0.0	0.59	2.06	-5.61e-03	-0.02	0.01	-0.26
		-0.71	-1.87e-04	-2.10e-04	0.0	48.7	0.59	-3.85	-5.61e-03	-0.02	-1.87e-04	-0.71
71	119	0.91	-0.03	-3.06e-04	-5.91	0.0	0.22	-0.46	0.02	0.07	-0.04	0.91
		-0.79	-0.04	7.34e-04	0.0	48.7	0.22	-6.37	0.02	0.07	-0.03	-0.79
71	122	-0.52	0.04	2.56e-04	-5.91	0.0	0.37	6.25	-0.02	-0.07	0.04	-2.16
		-2.16	0.03	-7.34e-04	0.0	48.7	0.37	0.34	-0.02	-0.07	0.03	-0.52
71	123	0.87	-0.03	-3.02e-04	-5.91	0.0	0.22	-0.38	0.02	0.08	-0.04	0.87
		-0.79	-0.04	7.90e-04	0.0	48.7	0.22	-6.28	0.02	0.08	-0.03	-0.79
71	126	-0.52	0.04	2.52e-04	-5.91	0.0	0.37	6.16	-0.02	-0.08	0.04	-2.12
		-2.12	0.03	-7.90e-04	0.0	48.7	0.37	0.25	-0.02	-0.08	0.03	-0.52
71	132	-0.41	-2.57e-03	-5.35e-06	-5.91	0.0	-0.06	3.72	8.52e-03	0.03	-0.02	-0.99
		-0.99	-0.02	3.23e-04	0.0	48.7	-0.06	-2.18	8.52e-03	0.03	-2.57e-03	-0.60
71	133	-0.09	0.02	-5.39e-05	-5.91	0.0	0.66	2.06	-8.55e-03	-0.03	0.02	-0.26
		-0.71	2.57e-03	-3.23e-04	0.0	48.7	0.66	-3.85	-8.55e-03	-0.03	2.57e-03	-0.71
71	143	-0.11	7.04e-06	-1.88e-05	-3.28	0.0	0.25	1.42	-1.20e-05	-3.48e-06	7.04e-06	-0.26
		-0.37	1.58e-06	0.0	0.0	48.7	0.25	-1.86	-1.20e-05	-3.48e-06	1.58e-06	-0.37
71	145	-0.39	9.28e-06	-2.98e-05	-7.66	0.0	0.33	3.87	-1.77e-05	-1.35e-05	9.28e-06	-0.87
		-0.87	1.77e-06	0.0	0.0	48.7	0.33	-3.79	-1.77e-05	-1.35e-05	1.77e-06	-0.87
71	147	-0.02	9.72e-06	-2.25e-05	-3.28	0.0	0.38	1.09	-1.53e-05	0.0	9.72e-06	-0.11
		-0.37	2.41e-06	0.0	0.0	48.7	0.38	-2.19	-1.53e-05	0.0	2.41e-06	-0.37
71	149	-0.23	1.13e-05	-3.00e-05	-6.35	0.0	0.44	2.81	-1.94e-05	-6.65e-06	1.13e-05	-0.53
		-0.71	2.53e-06	0.0	0.0	48.7	0.44	-3.54	-1.94e-05	-6.65e-06	2.53e-06	-0.71
71	150	-0.11	7.04e-06	-1.88e-05	-3.28	0.0	0.25	1.42	-1.20e-05	-3.48e-06	7.04e-06	-0.26
		-0.37	1.58e-06	0.0	0.0	48.7	0.25	-1.86	-1.20e-05	-3.48e-06	1.58e-06	-0.37
71	151	-0.31	8.61e-06	-2.64e-05	-6.35	0.0	0.30	3.14	-1.60e-05	-1.05e-05	8.61e-06	-0.69
		-0.70	1.71e-06	0.0	0.0	48.7	0.30	-3.21	-1.60e-05	-1.05e-05	1.71e-06	-0.70
71	152	-0.09	7.57e-06	-1.95e-05	-3.28	0.0	0.27	1.35	-1.26e-05	-2.71e-06	7.57e-06	-0.23
		-0.37	1.75e-06	0.0	0.0	48.7	0.27	-1.93	-1.26e-05	-2.71e-06	1.75e-06	-0.37
71	154	-0.27	8.92e-06	-2.60e-05	-5.91	0.0	0.32	2.83	-1.61e-05	-8.73e-06	8.92e-06	-0.59
		-0.66	1.86e-06	0.0	0.0	48.7	0.32	-3.08	-1.61e-05	-8.73e-06	1.86e-06	-0.66
71	155	-0.11	7.04e-06	-1.88e-05	-3.28	0.0	0.25	1.42	-1.20e-05	-3.48e-06	7.04e-06	-0.26
		-0.37	1.58e-06	0.0	0.0	48.7	0.25	-1.86	-1.20e-05	-3.48e-06	1.58e-06	-0.37
71	156	-0.28	8.38e-06	-2.53e-05	-5.91	0.0	0.30	2.89	-1.54e-05	-9.51e-06	8.38e-06	-0.63
		-0.66	1.69e-06	0.0	0.0	48.7	0.30	-3.02	-1.54e-05	-9.51e-06	1.69e-06	-0.66
72	3	0.20	2.99e-06	-6.69e-05	-11.13	0.0	0.17	8.09	-8.58e-06	-9.58e-06	2.99e-06	-1.23
		-1.23	0.0	0.0	0.0	48.7	0.17	-3.04	-8.58e-06	-9.58e-06	0.0	0.0
72	4	0.20	3.55e-06	-7.16e-05	-11.13	0.0	0.23	8.10	-9.48e-06	-8.25e-06	3.55e-06	-1.23
		-1.23	0.0	0.0	0.0	48.7	0.23	-3.03	-9.48e-06	-8.25e-06	0.0	0.0
72	7	0.17	2.29e-06	-5.49e-05	-9.56	0.0	0.12	6.95	-6.89e-06	-8.71e-06	2.29e-06	-1.05
		-1.05	0.0	0.0	0.0	48.7	0.12	-2.61	-6.89e-06	-8.71e-06	0.0	0.0
72	9	0.08	3.45e-06	-4.77e-05	-4.56	0.0	0.31	3.34	-7.33e-06	0.0	3.45e-06	-0.52
		-0.52	0.0	0.0	0.0	48.7	0.31	-1.21	-7.33e-06	0.0	0.0	0.0
72	11	0.16	3.92e-06	-6.77e-05	-9.15	0.0	0.30	6.68	-9.47e-06	-4.79e-06	3.92e-06	-1.02
		-1.02	0.0	0.0	0.0	48.7	0.30	-2.48	-9.47e-06	-4.79e-06	0.0	0.0
72	23	0.08	3.78e-03	-2.98e-04	-5.91	0.0	0.11	4.53	0.07	0.03	-0.03	-0.77
		-0.77	-0.03	5.71e-04	0.0	48.7	0.11	-1.38	0.07	0.03	3.78e-03	2.21e-06
72	24	0.09	4.19e-03	-2.15e-04	-5.91	0.0	0.05	4.44	0.08	0.04	-0.03	-0.72
		-0.72	-0.03	6.22e-04	0.0	48.7	0.05	-1.47	0.08	0.04	4.19e-03	1.61e-06
72	25	0.12	0.03	1.36e-04	-5.91	0.0	0.20	4.17	-0.08	-0.04	0.03	-0.59
		-0.59	-4.19e-03	-6.22e-04	0.0	48.7	0.20	-1.74	-0.08	-0.04	-4.19e-03	0.0
72	26	0.14	0.03	2.19e-04	-5.91	0.0	0.15	4.08	-0.07	-0.03	0.03	-0.55
		-0.55	-3.78e-03	-5.71e-04	0.0	48.7	0.15	-1.83	-0.07	-0.03	-3.78e-03	-1.56e-06
72	44	0.12	5.08e-04	1.21e-05	-5.91	0.0	0.02	4.22	6.70e-03	4.66e-03	-2.70e-03	-0.62
		-0.62	-2.70e-03	9.40e-05	0.0	48.7	0.02	-1.68	6.70e-03	4.66e-03	5.08e-04	0.0
72	45	0.10	2.71e-03	-9.12e-05	-5.91	0.0	0.23	4.38	-6.71e-03	-4.67e-03	2.71e-03	-0.69

72	56	-0.69	-5.08e-04	-9.40e-05	0.0	48.7	0.23	-1.53	-6.71e-03	-4.67e-03	-5.08e-04	0.0
		0.09	3.61e-03	-1.78e-04	-5.91	0.0	0.05	4.41	0.06	0.03	-0.03	-0.71
		-0.71	-0.03	5.10e-04	0.0	48.7	0.05	-1.50	0.06	0.03	3.61e-03	1.34e-06
72	57	0.12	0.03	9.87e-05	-5.91	0.0	0.20	4.19	-0.06	-0.03	0.03	-0.60
		-0.60	-3.61e-03	-5.10e-04	0.0	48.7	0.20	-1.72	-0.06	-0.03	-3.61e-03	0.0
72	67	0.08	2.77e-04	-2.37e-04	-5.91	0.0	0.20	4.51	2.05e-03	2.68e-03	-6.70e-04	-0.76
		-0.76	-6.70e-04	4.90e-05	0.0	48.7	0.20	-1.40	2.05e-03	2.68e-03	2.77e-04	1.77e-06
72	70	0.14	6.74e-04	1.58e-04	-5.91	0.0	0.05	4.09	-2.06e-03	-2.69e-03	6.74e-04	-0.55
		-0.55	-2.77e-04	-4.89e-05	0.0	48.7	0.05	-1.81	-2.06e-03	-2.69e-03	-2.77e-04	-1.12e-06
72	76	0.12	2.81e-04	2.91e-05	-5.91	0.0	0.02	4.21	2.09e-03	2.72e-03	-6.89e-04	-0.61
		-0.61	-6.89e-04	4.94e-05	0.0	48.7	0.02	-1.70	2.09e-03	2.72e-03	2.81e-04	0.0
72	77	0.09	6.93e-04	-1.08e-04	-5.91	0.0	0.24	4.39	-2.10e-03	-2.73e-03	6.93e-04	-0.70
		-0.70	-2.81e-04	-4.94e-05	0.0	48.7	0.24	-1.51	-2.10e-03	-2.73e-03	-2.81e-04	0.0
72	88	0.09	3.16e-03	-1.59e-04	-5.91	0.0	0.06	4.40	0.06	0.03	-0.02	-0.70
		-0.70	-0.02	4.43e-04	0.0	48.7	0.06	-1.51	0.06	0.03	3.16e-03	1.20e-06
72	89	0.12	0.02	8.00e-05	-5.91	0.0	0.20	4.21	-0.06	-0.03	0.02	-0.61
		-0.61	-3.16e-03	-4.43e-04	0.0	48.7	0.20	-1.70	-0.06	-0.03	-3.16e-03	0.0
72	99	0.08	2.26e-04	-2.15e-04	-5.91	0.0	0.19	4.49	1.43e-03	2.21e-03	-4.25e-04	-0.75
		-0.75	-4.25e-04	3.97e-05	0.0	48.7	0.19	-1.42	1.43e-03	2.21e-03	2.26e-04	1.61e-06
72	102	0.13	4.29e-04	1.36e-04	-5.91	0.0	0.06	4.12	-1.44e-03	-2.22e-03	4.29e-04	-0.57
		-0.57	-2.26e-04	-3.97e-05	0.0	48.7	0.06	-1.79	-1.44e-03	-2.22e-03	-2.26e-04	0.0
72	108	0.12	2.29e-04	2.31e-05	-5.91	0.0	0.03	4.22	1.47e-03	2.24e-03	-4.42e-04	-0.61
		-0.61	-4.42e-04	4.01e-05	0.0	48.7	0.03	-1.69	1.47e-03	2.24e-03	2.29e-04	0.0
72	109	0.10	4.46e-04	-1.02e-04	-5.91	0.0	0.22	4.39	-1.48e-03	-2.25e-03	4.46e-04	-0.70
		-0.70	-2.29e-04	-4.01e-05	0.0	48.7	0.22	-1.52	-1.48e-03	-2.25e-03	-2.29e-04	0.0
72	119	0.07	4.77e-03	-3.62e-04	-5.91	0.0	0.11	4.58	0.09	0.04	-0.04	-0.79
		-0.79	-0.04	7.31e-04	0.0	48.7	0.11	-1.33	0.09	0.04	4.77e-03	2.68e-06
72	120	0.08	5.25e-03	-2.65e-04	-5.91	0.0	0.04	4.47	0.10	0.05	-0.04	-0.74
		-0.74	-0.04	7.88e-04	0.0	48.7	0.04	-1.44	0.10	0.05	5.25e-03	1.97e-06
72	121	0.13	0.04	1.86e-04	-5.91	0.0	0.21	4.13	-0.10	-0.05	0.04	-0.57
		-0.57	-5.25e-03	-7.88e-04	0.0	48.7	0.21	-1.78	-0.10	-0.05	-5.25e-03	-1.32e-06
72	122	0.15	0.04	2.83e-04	-5.91	0.0	0.15	4.03	-0.09	-0.04	0.04	-0.52
		-0.52	-4.77e-03	-7.31e-04	0.0	48.7	0.15	-1.88	-0.09	-0.04	-4.77e-03	-2.03e-06
72	140	0.12	7.10e-04	1.37e-05	-5.91	0.0	7.21e-03	4.22	0.01	6.42e-03	-4.18e-03	-0.61
		-0.61	-4.18e-03	1.33e-04	0.0	48.7	7.21e-03	-1.69	0.01	6.42e-03	7.10e-04	0.0
72	141	0.10	4.18e-03	-9.28e-05	-5.91	0.0	0.25	4.39	-0.01	-6.43e-03	4.18e-03	-0.70
		-0.70	-7.10e-04	-1.32e-04	0.0	48.7	0.25	-1.52	-0.01	-6.43e-03	-7.10e-04	0.0
72	145	0.14	2.16e-06	-4.72e-05	-7.66	0.0	0.12	5.57	-6.11e-06	-6.51e-06	2.16e-06	-0.85
		-0.85	0.0	0.0	0.0	48.7	0.12	-2.09	-6.11e-06	-6.51e-06	0.0	0.0
72	146	0.14	2.54e-06	-5.03e-05	-7.66	0.0	0.17	5.58	-6.71e-06	-5.62e-06	2.54e-06	-0.85
		-0.85	0.0	0.0	0.0	48.7	0.17	-2.08	-6.71e-06	-5.62e-06	0.0	0.0
72	147	0.06	2.47e-06	-3.43e-05	-3.28	0.0	0.22	2.41	-5.27e-06	0.0	2.47e-06	-0.37
		-0.37	0.0	0.0	0.0	48.7	0.22	-0.87	-5.27e-06	0.0	0.0	0.0
72	149	0.11	2.78e-06	-4.77e-05	-6.35	0.0	0.21	4.63	-6.70e-06	-3.32e-06	2.78e-06	-0.71
		-0.71	0.0	0.0	0.0	48.7	0.21	-1.72	-6.70e-06	-3.32e-06	0.0	0.0
72	151	0.11	2.03e-06	-4.15e-05	-6.35	0.0	0.13	4.62	-5.50e-06	-5.09e-06	2.03e-06	-0.70
		-0.70	0.0	0.0	0.0	48.7	0.13	-1.73	-5.50e-06	-5.09e-06	0.0	0.0
72	152	0.06	1.87e-06	-2.94e-05	-3.28	0.0	0.15	2.40	-4.31e-06	-1.42e-06	1.87e-06	-0.37
		-0.37	0.0	0.0	0.0	48.7	0.15	-0.88	-4.31e-06	-1.42e-06	0.0	0.0
72	154	0.11	2.13e-06	-4.08e-05	-5.91	0.0	0.14	4.30	-5.53e-06	-4.26e-06	2.13e-06	-0.66
		-0.66	0.0	0.0	0.0	48.7	0.14	-1.60	-5.53e-06	-4.26e-06	0.0	0.0
72	155	0.06	1.72e-06	-2.81e-05	-3.28	0.0	0.13	2.40	-4.07e-06	-1.77e-06	1.72e-06	-0.37
		-0.37	0.0	0.0	0.0	48.7	0.13	-0.88	-4.07e-06	-1.77e-06	0.0	0.0
72	156	0.11	1.98e-06	-3.96e-05	-5.91	0.0	0.13	4.30	-5.29e-06	-4.61e-06	1.98e-06	-0.66
		-0.66	0.0	0.0	0.0	48.7	0.13	-1.61	-5.29e-06	-4.61e-06	0.0	0.0
73	7	9.55e-03	0.0	-7.14e-05	-2.11	0.0	4.16e-03	1.82	-2.00e-06	0.0	0.0	-0.37
		-0.37	0.0	0.0	0.0	48.7	4.16e-03	-0.29	-2.00e-06	0.0	0.0	0.0
73	9	0.04	5.79e-06	-2.31e-05	-5.71	0.0	0.07	4.71	-1.19e-05	0.0	5.79e-06	-0.90
		-0.90	0.0	0.0	0.0	48.7	0.07	-1.00	-1.19e-05	0.0	0.0	0.0
73	11	0.04	5.19e-06	-5.77e-05	-5.71	0.0	0.06	4.76	-1.07e-05	0.0	5.19e-06	-0.93
		-0.93	0.0	0.0	0.0	48.7	0.06	-0.95	-1.07e-05	0.0	0.0	0.0
73	23	0.01	0.0	-2.91e-04	-2.26	0.0	0.09	1.89	0.04	0.0	-0.02	-0.37
		-0.37	-0.02	8.11e-04	0.0	48.7	0.09	-0.37	0.04	0.0	0.0	0.0
73	26	0.01	0.02	2.04e-04	-2.26	0.0	-0.06	1.92	-0.04	0.0	0.02	-0.38
		-0.38	0.0	-8.10e-04	0.0	48.7	-0.06	-0.34	-0.04	0.0	0.0	0.0
73	35	0.01	0.0	-2.30e-04	-2.26	0.0	0.10	1.89	0.02	0.0	-9.09e-03	-0.37
		-0.37	-9.09e-03	1.62e-04	0.0	48.7	0.10	-0.37	0.02	0.0	0.0	0.0
73	38	0.01	9.10e-03	1.43e-04	-2.26	0.0	-0.07	1.92	-0.02	0.0	9.10e-03	-0.39
		-0.39	0.0	-1.62e-04	0.0	48.7	-0.07	-0.34	-0.02	0.0	0.0	0.0
73	55	0.01	0.0	-2.58e-04	-2.26	0.0	0.09	1.89	0.04	0.0	-0.02	-0.37
		-0.37	-0.02	6.49e-04	0.0	48.7	0.09	-0.37	0.04	0.0	0.0	0.0
73	58	0.01	0.02	1.72e-04	-2.26	0.0	-0.06	1.92	-0.04	0.0	0.02	-0.38
		-0.38	0.0	-6.49e-04	0.0	48.7	-0.06	-0.34	-0.04	0.0	0.0	0.0
73	67	0.01	0.0	-2.24e-04	-2.26	0.0	0.10	1.89	0.02	0.0	-8.89e-03	-0.37
		-0.37	-8.89e-03	1.06e-04	0.0	48.7	0.10	-0.37	0.02	0.0	0.0	0.0

73	70	0.01	8.90e-03	1.38e-04	-2.26	0.0	-0.07	1.92	-0.02	0.0	8.90e-03	-0.39
		-0.39	0.0	-1.06e-04	0.0	48.7	-0.07	-0.33	-0.02	0.0	0.0	0.0
73	87	0.01	0.0	-2.31e-04	-2.26	0.0	0.08	1.89	0.03	0.0	-0.02	-0.37
		-0.37	-0.02	5.62e-04	0.0	48.7	0.08	-0.37	0.03	0.0	0.0	0.0
73	90	0.01	0.02	1.45e-04	-2.26	0.0	-0.05	1.92	-0.03	0.0	0.02	-0.38
		-0.38	0.0	-5.62e-04	0.0	48.7	-0.05	-0.34	-0.03	0.0	0.0	0.0
73	99	0.01	0.0	-2.04e-04	-2.26	0.0	0.09	1.89	0.02	0.0	-7.91e-03	-0.37
		-0.37	-7.91e-03	8.87e-05	0.0	48.7	0.09	-0.37	0.02	0.0	0.0	0.0
73	102	0.01	7.91e-03	1.17e-04	-2.26	0.0	-0.06	1.92	-0.02	0.0	7.91e-03	-0.39
		-0.39	0.0	-8.87e-05	0.0	48.7	-0.06	-0.34	-0.02	0.0	0.0	0.0
73	119	0.01	0.0	-3.52e-04	-2.26	0.0	0.10	1.89	0.05	0.0	-0.02	-0.37
		-0.37	-0.02	1.03e-03	0.0	48.7	0.10	-0.37	0.05	0.0	0.0	0.0
73	122	0.01	0.02	2.65e-04	-2.26	0.0	-0.07	1.92	-0.05	0.0	0.02	-0.39
		-0.39	0.0	-1.03e-03	0.0	48.7	-0.07	-0.34	-0.05	0.0	0.0	0.0
73	131	0.01	0.0	-2.67e-04	-2.26	0.0	0.12	1.88	0.02	0.0	-0.01	-0.37
		-0.37	-0.01	2.18e-04	0.0	48.7	0.12	-0.37	0.02	0.0	0.0	0.0
73	134	0.01	0.01	1.80e-04	-2.26	0.0	-0.08	1.92	-0.02	0.0	0.01	-0.39
		-0.39	0.0	-2.18e-04	0.0	48.7	-0.08	-0.33	-0.02	0.0	0.0	0.0
73	145	0.01	1.39e-06	-5.65e-05	-2.26	0.0	0.01	1.92	-2.86e-06	0.0	1.39e-06	-0.39
		-0.39	0.0	0.0	0.0	48.7	0.01	-0.34	-2.86e-06	0.0	0.0	0.0
73	147	0.03	4.03e-06	-1.73e-05	-4.01	0.0	0.05	3.31	-8.29e-06	0.0	4.03e-06	-0.63
		-0.63	0.0	0.0	0.0	48.7	0.05	-0.70	-8.29e-06	0.0	0.0	0.0
73	149	0.03	3.63e-06	-4.04e-05	-4.01	0.0	0.04	3.34	-7.47e-06	0.0	3.63e-06	-0.65
		-0.65	0.0	0.0	0.0	48.7	0.04	-0.67	-7.47e-06	0.0	0.0	0.0
73	151	0.01	1.57e-06	-4.66e-05	-2.26	0.0	0.02	1.91	-3.22e-06	0.0	1.57e-06	-0.38
		-0.38	0.0	0.0	0.0	48.7	0.02	-0.35	-3.22e-06	0.0	0.0	0.0
73	152	0.02	2.38e-06	-2.22e-05	-2.61	0.0	0.03	2.16	-4.89e-06	0.0	2.38e-06	-0.42
		-0.42	0.0	0.0	0.0	48.7	0.03	-0.44	-4.89e-06	0.0	0.0	0.0
73	154	0.02	2.04e-06	-4.21e-05	-2.61	0.0	0.02	2.19	-4.18e-06	0.0	2.04e-06	-0.43
		-0.43	0.0	0.0	0.0	48.7	0.02	-0.42	-4.18e-06	0.0	0.0	0.0
73	155	0.02	1.97e-06	-2.34e-05	-2.26	0.0	0.02	1.88	-4.04e-06	0.0	1.97e-06	-0.36
		-0.36	0.0	0.0	0.0	48.7	0.02	-0.38	-4.04e-06	0.0	0.0	0.0
73	156	0.01	1.62e-06	-4.33e-05	-2.26	0.0	0.02	1.90	-3.33e-06	0.0	1.62e-06	-0.38
		-0.38	0.0	0.0	0.0	48.7	0.02	-0.35	-3.33e-06	0.0	0.0	0.0
74	7	0.17	5.75e-06	-5.16e-05	-2.11	0.0	-0.09	-0.06	-9.82e-06	0.0	5.75e-06	0.17
		-0.37	0.0	0.0	0.0	48.7	-0.09	-2.17	-9.82e-06	0.0	0.0	-0.37
74	9	-0.53	2.40e-05	-6.42e-06	-5.71	0.0	0.12	2.75	-3.75e-05	0.0	2.40e-05	-0.85
		-0.90	5.79e-06	0.0	0.0	48.7	0.12	-2.96	-3.75e-05	0.0	5.79e-06	-0.90
74	11	-0.38	2.25e-05	-2.79e-05	-5.71	0.0	0.04	2.13	-3.56e-05	0.0	2.25e-05	-0.57
		-0.93	5.19e-06	0.0	0.0	48.7	0.04	-3.58	-3.56e-05	0.0	5.19e-06	-0.93
74	28	-0.12	-0.02	-2.09e-04	-2.26	0.0	0.10	0.72	1.40e-03	0.0	-0.02	-0.18
		-0.37	-0.02	8.13e-04	0.0	48.7	0.10	-1.54	1.40e-03	0.0	-0.02	-0.37
74	29	0.02	0.02	1.53e-04	-2.26	0.0	-0.15	0.33	-1.42e-03	0.0	0.02	0.01
		-0.38	0.02	-8.13e-04	0.0	48.7	-0.15	-1.93	-1.42e-03	0.0	0.02	-0.38
74	35	-0.22	-1.66e-03	-2.25e-04	-2.26	0.0	0.25	1.07	1.36e-05	0.0	-1.66e-03	-0.34
		-0.37	-9.09e-03	1.68e-04	0.0	48.7	0.25	-1.19	1.36e-05	0.0	-9.09e-03	-0.37
74	38	0.17	9.10e-03	1.68e-04	-2.26	0.0	-0.30	-0.02	-3.84e-05	0.0	1.68e-03	0.17
		-0.39	1.68e-03	-1.68e-04	0.0	48.7	-0.30	-2.27	-3.84e-05	0.0	9.10e-03	-0.39
74	60	-0.13	-0.02	-1.74e-04	-2.26	0.0	0.10	0.75	1.25e-03	0.0	-0.02	-0.19
		-0.37	-0.02	6.51e-04	0.0	48.7	0.10	-1.51	1.25e-03	0.0	-0.02	-0.37
74	61	0.03	0.02	1.18e-04	-2.26	0.0	-0.14	0.30	-1.28e-03	0.0	0.02	0.02
		-0.38	0.02	-6.51e-04	0.0	48.7	-0.14	-1.95	-1.28e-03	0.0	0.02	-0.38
74	67	-0.23	-8.43e-04	-2.21e-04	-2.26	0.0	0.26	1.10	-6.89e-05	0.0	-8.43e-04	-0.36
		-0.37	-8.89e-03	1.12e-04	0.0	48.7	0.26	-1.16	-6.89e-05	0.0	-8.89e-03	-0.37
74	70	0.19	8.90e-03	1.64e-04	-2.26	0.0	-0.30	-0.05	4.41e-05	0.0	8.59e-04	0.19
		-0.39	8.59e-04	-1.12e-04	0.0	48.7	-0.30	-2.31	4.41e-05	0.0	8.90e-03	-0.39
74	92	-0.12	-0.02	-1.55e-04	-2.26	0.0	0.09	0.72	1.10e-03	0.0	-0.02	-0.18
		-0.37	-0.02	5.64e-04	0.0	48.7	0.09	-1.54	1.10e-03	0.0	-0.02	-0.37
74	93	0.02	0.02	9.87e-05	-2.26	0.0	-0.13	0.33	-1.12e-03	0.0	0.02	0.01
		-0.38	0.02	-5.64e-04	0.0	48.7	-0.13	-1.93	-1.12e-03	0.0	0.02	-0.38
74	99	-0.21	-6.73e-04	-1.99e-04	-2.26	0.0	0.23	1.04	-6.88e-05	0.0	-6.73e-04	-0.33
		-0.37	-7.91e-03	9.37e-05	0.0	48.7	0.23	-1.22	-6.88e-05	0.0	-7.91e-03	-0.37
74	102	0.16	7.91e-03	1.43e-04	-2.26	0.0	-0.27	0.01	4.41e-05	0.0	6.89e-04	0.16
		-0.39	6.89e-04	-9.36e-05	0.0	48.7	-0.27	-2.25	4.41e-05	0.0	7.91e-03	-0.39
74	124	-0.13	-0.02	-2.59e-04	-2.26	0.0	0.13	0.74	1.73e-03	0.0	-0.02	-0.19
		-0.37	-0.02	1.04e-03	0.0	48.7	0.13	-1.51	1.73e-03	0.0	-0.02	-0.37
74	125	0.03	0.02	2.02e-04	-2.26	0.0	-0.17	0.31	-1.75e-03	0.0	0.02	0.02
		-0.38	0.02	-1.04e-03	0.0	48.7	-0.17	-1.95	-1.75e-03	0.0	0.02	-0.38
74	131	-0.24	-2.37e-03	-2.63e-04	-2.26	0.0	0.30	1.15	6.07e-05	0.0	-2.37e-03	-0.38
		-0.38	-0.01	2.24e-04	0.0	48.7	0.30	-1.11	6.07e-05	0.0	-0.01	-0.37
74	134	0.21	0.01	2.07e-04	-2.26	0.0	-0.34	-0.10	-8.55e-05	0.0	2.38e-03	0.21
		-0.39	2.38e-03	-2.23e-04	0.0	48.7	-0.34	-2.36	-8.55e-05	0.0	0.01	-0.39
74	145	0.03	7.07e-06	-3.90e-05	-2.26	0.0	-0.05	0.29	-1.17e-05	0.0	7.07e-06	0.02
		-0.39	1.39e-06	0.0	0.0	48.7	-0.05	-1.97	-1.17e-05	0.0	1.39e-06	-0.39
74	147	-0.37	1.68e-05	-5.04e-06	-4.01	0.0	0.08	1.92	-2.62e-05	0.0	1.68e-05	-0.59

		-0.63	4.03e-06	0.0	0.0	48.7	0.08	-2.09	-2.62e-05	0.0	4.03e-06	-0.63
74	149	-0.27	1.58e-05	-1.96e-05	-4.01	0.0	0.03	1.50	-2.49e-05	0.0	1.58e-05	-0.41
		-0.65	3.63e-06	0.0	0.0	48.7	0.03	-2.51	-2.49e-05	0.0	3.63e-06	-0.65
74	151	-0.03	7.51e-06	-3.09e-05	-2.26	0.0	-0.03	0.47	-1.22e-05	0.0	7.51e-06	-0.06
		-0.38	1.57e-06	0.0	0.0	48.7	-0.03	-1.79	-1.22e-05	0.0	1.57e-06	-0.38
74	152	-0.20	1.02e-05	-9.89e-06	-2.61	0.0	0.03	1.09	-1.60e-05	0.0	1.02e-05	-0.31
		-0.42	2.38e-06	0.0	0.0	48.7	0.03	-1.52	-1.60e-05	0.0	2.38e-06	-0.42
74	154	-0.10	9.30e-06	-2.60e-05	-2.61	0.0	-0.01	0.73	-1.49e-05	0.0	9.30e-06	-0.15
		-0.43	2.04e-06	0.0	0.0	48.7	-0.01	-1.88	-1.49e-05	0.0	2.04e-06	-0.43
74	155	-0.16	8.53e-06	-1.20e-05	-2.26	0.0	0.02	0.88	-1.35e-05	0.0	8.53e-06	-0.24
		-0.36	1.97e-06	0.0	0.0	48.7	0.02	-1.38	-1.35e-05	0.0	1.97e-06	-0.36
74	156	-0.05	7.65e-06	-2.82e-05	-2.26	0.0	-0.02	0.52	-1.24e-05	0.0	7.65e-06	-0.08
		-0.38	1.62e-06	0.0	0.0	48.7	-0.02	-1.73	-1.24e-05	0.0	1.62e-06	-0.38
75	3	0.23	4.19e-05	-7.14e-05	-3.08	0.0	-0.22	1.69	-6.66e-05	0.0	4.19e-05	0.0
		0.0	9.49e-06	0.0	0.0	48.7	-0.22	-1.39	-6.66e-05	0.0	9.49e-06	0.07
75	7	0.23	2.90e-05	-6.72e-05	-2.11	0.0	-0.21	1.40	-4.78e-05	0.0	2.90e-05	0.0
		0.0	5.75e-06	0.0	0.0	48.7	-0.21	-0.71	-4.78e-05	0.0	5.75e-06	0.17
75	9	0.05	7.57e-05	2.03e-05	-5.71	0.0	0.07	1.11	-1.06e-04	0.0	7.57e-05	0.0
		-0.85	2.40e-05	0.0	0.0	48.7	0.07	-4.60	-1.06e-04	0.0	2.40e-05	-0.85
75	11	0.12	7.70e-05	-2.17e-05	-5.71	0.0	-0.07	1.68	-1.12e-04	0.0	7.70e-05	0.0
		-0.57	2.25e-05	0.0	0.0	48.7	-0.07	-4.03	-1.12e-04	0.0	2.25e-05	-0.57
75	12	0.03	6.28e-05	2.46e-05	-4.74	0.0	0.08	0.82	-8.74e-05	0.0	6.28e-05	0.0
		-0.75	2.03e-05	0.0	0.0	48.7	0.08	-3.92	-8.74e-05	0.0	2.03e-05	-0.75
75	28	0.06	-0.02	-2.12e-04	-2.26	0.0	0.18	0.77	-3.34e-03	0.0	-0.02	0.0
		-0.18	-0.02	8.16e-04	0.0	48.7	0.18	-1.49	-3.34e-03	0.0	-0.02	-0.18
75	29	0.14	0.02	1.48e-04	-2.26	0.0	-0.37	1.15	3.25e-03	0.0	0.02	0.0
		0.0	0.02	-8.16e-04	0.0	48.7	-0.37	-1.11	3.25e-03	0.0	0.02	0.01
75	35	0.02	-1.19e-03	-2.12e-04	-2.26	0.0	0.39	0.43	-1.60e-03	0.0	-1.19e-03	0.0
		-0.34	-1.66e-03	1.74e-04	0.0	48.7	0.39	-1.83	-1.60e-03	0.0	-1.66e-03	-0.34
75	38	0.24	1.68e-03	1.48e-04	-2.26	0.0	-0.58	1.49	1.51e-03	0.0	1.25e-03	0.0
		0.0	1.25e-03	-1.74e-04	0.0	48.7	-0.58	-0.77	1.51e-03	0.0	1.68e-03	0.17
75	60	0.06	-0.02	-1.77e-04	-2.26	0.0	0.16	0.74	-2.68e-03	0.0	-0.02	0.0
		-0.19	-0.02	6.54e-04	0.0	48.7	0.16	-1.52	-2.68e-03	0.0	-0.02	-0.19
75	61	0.15	0.02	1.12e-04	-2.26	0.0	-0.36	1.17	2.59e-03	0.0	0.02	0.0
		0.0	0.02	-6.54e-04	0.0	48.7	-0.36	-1.08	2.59e-03	0.0	0.02	0.02
75	67	0.02	-4.92e-04	-2.06e-04	-2.26	0.0	0.40	0.39	-1.47e-03	0.0	-4.92e-04	0.0
		-0.36	-8.43e-04	1.19e-04	0.0	48.7	0.40	-1.86	-1.47e-03	0.0	-8.43e-04	-0.36
75	70	0.25	8.59e-04	1.41e-04	-2.26	0.0	-0.59	1.52	1.38e-03	0.0	5.52e-04	0.0
		0.0	5.52e-04	-1.18e-04	0.0	48.7	-0.59	-0.74	1.38e-03	0.0	8.59e-04	0.19
75	92	0.06	-0.01	-1.58e-04	-2.26	0.0	0.13	0.76	-2.33e-03	0.0	-0.01	0.0
		-0.18	-0.02	5.66e-04	0.0	48.7	0.13	-1.49	-2.33e-03	0.0	-0.02	-0.18
75	93	0.14	0.02	9.32e-05	-2.26	0.0	-0.33	1.15	2.24e-03	0.0	0.01	0.0
		0.0	0.01	-5.66e-04	0.0	48.7	-0.33	-1.11	2.24e-03	0.0	0.02	0.01
75	99	0.02	-3.71e-04	-1.86e-04	-2.26	0.0	0.35	0.45	-1.30e-03	0.0	-3.71e-04	0.0
		-0.33	-6.73e-04	9.98e-05	0.0	48.7	0.35	-1.80	-1.30e-03	0.0	-6.73e-04	-0.33
75	102	0.23	6.89e-04	1.22e-04	-2.26	0.0	-0.54	1.46	1.21e-03	0.0	4.31e-04	0.0
		0.0	4.31e-04	-9.98e-05	0.0	48.7	-0.54	-0.80	1.21e-03	0.0	6.89e-04	0.16
75	119	0.02	-0.02	-3.38e-04	-2.26	0.0	0.48	0.46	-4.67e-03	0.0	-0.02	0.0
		-0.33	-0.02	1.04e-03	0.0	48.7	0.48	-1.80	-4.67e-03	0.0	-0.02	-0.33
75	122	0.23	0.02	2.73e-04	-2.26	0.0	-0.67	1.46	4.58e-03	0.0	0.02	0.0
		0.0	0.02	-1.04e-03	0.0	48.7	-0.67	-0.80	4.58e-03	0.0	0.02	0.16
75	124	0.06	-0.02	-2.62e-04	-2.26	0.0	0.24	0.74	-4.26e-03	0.0	-0.02	0.0
		-0.19	-0.02	1.04e-03	0.0	48.7	0.24	-1.51	-4.26e-03	0.0	-0.02	-0.19
75	125	0.15	0.02	1.98e-04	-2.26	0.0	-0.43	1.17	4.16e-03	0.0	0.02	0.0
		0.0	0.02	-1.04e-03	0.0	48.7	-0.43	-1.09	4.16e-03	0.0	0.02	0.02
75	131	0.01	-1.76e-03	-2.48e-04	-2.26	0.0	0.47	0.35	-1.95e-03	0.0	-1.76e-03	0.0
		-0.38	-2.37e-03	2.31e-04	0.0	48.7	0.47	-1.91	-1.95e-03	0.0	-2.37e-03	-0.38
75	134	0.27	2.38e-03	1.83e-04	-2.26	0.0	-0.66	1.57	1.86e-03	0.0	1.82e-03	0.0
		0.0	1.82e-03	-2.30e-04	0.0	48.7	-0.66	-0.69	1.86e-03	0.0	2.38e-03	0.21
75	145	0.15	3.05e-05	-4.82e-05	-2.26	0.0	-0.15	1.18	-4.81e-05	0.0	3.05e-05	0.0
		0.0	7.07e-06	0.0	0.0	48.7	-0.15	-1.08	-4.81e-05	0.0	7.07e-06	0.02
75	147	0.04	5.30e-05	1.30e-05	-4.01	0.0	0.05	0.79	-7.45e-05	0.0	5.30e-05	0.0
		-0.59	1.68e-05	0.0	0.0	48.7	0.05	-3.22	-7.45e-05	0.0	1.68e-05	-0.59
75	149	0.08	5.39e-05	-1.51e-05	-4.01	0.0	-0.05	1.17	-7.83e-05	0.0	5.39e-05	0.0
		-0.41	1.58e-05	0.0	0.0	48.7	-0.05	-2.84	-7.83e-05	0.0	1.58e-05	-0.41
75	151	0.11	3.01e-05	-3.63e-05	-2.26	0.0	-0.11	1.01	-4.64e-05	0.0	3.01e-05	0.0
		-0.06	7.51e-06	0.0	0.0	48.7	-0.11	-1.25	-4.64e-05	0.0	7.51e-06	-0.06
75	152	0.04	3.40e-05	-5.73e-06	-2.61	0.0	-4.74e-03	0.66	-4.89e-05	0.0	3.40e-05	0.0
		-0.31	1.02e-05	0.0	0.0	48.7	-4.74e-03	-1.95	-4.89e-05	0.0	1.02e-05	-0.31
75	154	0.09	3.47e-05	-2.81e-05	-2.61	0.0	-0.08	0.99	-5.22e-05	0.0	3.47e-05	0.0
		-0.15	9.30e-06	0.0	0.0	48.7	-0.08	-1.62	-5.22e-05	0.0	9.30e-06	-0.15
75	155	0.04	2.92e-05	-8.75e-06	-2.26	0.0	-0.02	0.63	-4.25e-05	0.0	2.92e-05	0.0
		-0.24	8.53e-06	0.0	0.0	48.7	-0.02	-1.63	-4.25e-05	0.0	8.53e-06	-0.24
75	156	0.10	3.00e-05	-3.24e-05	-2.26	0.0	-0.10	0.96	-4.58e-05	0.0	3.00e-05	0.0
		-0.08	7.65e-06	0.0	0.0	48.7	-0.10	-1.30	-4.58e-05	0.0	7.65e-06	-0.08

76	4	11.49	5.97e-05	1.40e-03	-28.81	0.0	-0.94	14.40	7.66e-05	0.0	-1.85e-04	0.0
		0.0	-1.85e-04	0.0	0.0	319.0	-0.94	-14.40	7.66e-05	0.0	5.97e-05	0.0
76	5	5.52	2.72e-05	4.81e-04	-13.84	0.0	-0.33	6.92	3.55e-05	0.0	-8.60e-05	0.0
		0.0	-8.60e-05	0.0	0.0	319.0	-0.33	-6.92	3.55e-05	0.0	2.72e-05	0.0
76	9	14.92	7.57e-05	8.35e-04	-37.42	0.0	-0.69	18.71	1.00e-04	0.0	-2.45e-04	0.0
		0.0	-2.45e-04	0.0	0.0	319.0	-0.69	-18.71	1.00e-04	0.0	7.57e-05	0.0
76	11	14.92	7.70e-05	1.27e-03	-37.42	0.0	-0.94	18.71	1.01e-04	0.0	-2.44e-04	0.0
		0.0	-2.44e-04	0.0	0.0	319.0	-0.94	-18.71	1.01e-04	0.0	7.70e-05	0.0
76	23	5.90	-7.04e-03	1.79e-03	-14.80	0.0	1.71	7.40	-3.88e-03	0.0	-7.04e-03	0.0
		0.0	-0.02	5.43e-03	0.0	319.0	1.71	-7.40	-3.88e-03	0.0	-0.02	0.0
76	26	5.90	0.02	-4.46e-04	-14.80	0.0	-2.71	7.40	3.96e-03	0.0	6.85e-03	0.0
		0.0	6.85e-03	-5.43e-03	0.0	319.0	-2.71	-7.40	3.96e-03	0.0	0.02	0.0
76	27	5.90	-7.15e-03	1.76e-03	-14.80	0.0	1.63	7.40	-3.82e-03	0.0	-7.15e-03	0.0
		0.0	-0.02	5.58e-03	0.0	319.0	1.63	-7.40	-3.82e-03	0.0	-0.02	0.0
76	28	5.90	-5.63e-03	1.45e-03	-14.80	0.0	1.14	7.40	-4.86e-03	0.0	-5.63e-03	0.0
		0.0	-0.02	5.43e-03	0.0	319.0	1.14	-7.40	-4.86e-03	0.0	-0.02	0.0
76	29	5.90	0.02	-2.65e-04	-14.80	0.0	-2.13	7.40	4.94e-03	0.0	5.45e-03	0.0
		0.0	5.45e-03	-5.43e-03	0.0	319.0	-2.13	-7.40	4.94e-03	0.0	0.02	0.0
76	55	5.90	-6.48e-03	1.69e-03	-14.80	0.0	1.60	7.40	-3.90e-03	0.0	-6.48e-03	0.0
		0.0	-0.01	4.37e-03	0.0	319.0	1.60	-7.40	-3.90e-03	0.0	-0.01	0.0
76	58	5.90	0.01	-3.90e-04	-14.80	0.0	-2.59	7.40	3.98e-03	0.0	6.29e-03	0.0
		0.0	6.29e-03	-4.36e-03	0.0	319.0	-2.59	-7.40	3.98e-03	0.0	0.01	0.0
76	59	5.90	-6.59e-03	1.66e-03	-14.80	0.0	1.52	7.40	-3.84e-03	0.0	-6.59e-03	0.0
		0.0	-0.01	4.52e-03	0.0	319.0	1.52	-7.40	-3.84e-03	0.0	-0.01	0.0
76	60	5.90	-4.94e-03	1.33e-03	-14.80	0.0	0.99	7.40	-4.95e-03	0.0	-4.94e-03	0.0
		0.0	-0.02	4.37e-03	0.0	319.0	0.99	-7.40	-4.95e-03	0.0	-0.02	0.0
76	61	5.90	0.02	-2.13e-04	-14.80	0.0	-1.98	7.40	5.03e-03	0.0	4.76e-03	0.0
		0.0	4.76e-03	-4.37e-03	0.0	319.0	-1.98	-7.40	5.03e-03	0.0	0.02	0.0
76	62	5.90	0.01	-3.73e-04	-14.80	0.0	-2.51	7.40	3.92e-03	0.0	6.40e-03	0.0
		0.0	6.40e-03	-4.52e-03	0.0	319.0	-2.51	-7.40	3.92e-03	0.0	0.01	0.0
76	87	5.90	-5.71e-03	1.58e-03	-14.80	0.0	1.36	7.40	-3.48e-03	0.0	-5.71e-03	0.0
		0.0	-0.01	3.78e-03	0.0	319.0	1.36	-7.40	-3.48e-03	0.0	-0.01	0.0
76	90	5.90	0.01	-3.30e-04	-14.80	0.0	-2.35	7.40	3.56e-03	0.0	5.53e-03	0.0
		0.0	5.53e-03	-3.78e-03	0.0	319.0	-2.35	-7.40	3.56e-03	0.0	0.01	0.0
76	91	5.90	-5.81e-03	1.55e-03	-14.80	0.0	1.29	7.40	-3.43e-03	0.0	-5.81e-03	0.0
		0.0	-0.01	3.92e-03	0.0	319.0	1.29	-7.40	-3.43e-03	0.0	-0.01	0.0
76	92	5.90	-4.34e-03	1.26e-03	-14.80	0.0	0.81	7.40	-4.42e-03	0.0	-4.34e-03	0.0
		0.0	-0.01	3.78e-03	0.0	319.0	0.81	-7.40	-4.42e-03	0.0	-0.01	0.0
76	93	5.90	0.01	2.77e-04	-14.80	0.0	-1.81	7.40	4.50e-03	0.0	4.15e-03	0.0
		0.0	4.15e-03	-3.78e-03	0.0	319.0	-1.81	-7.40	4.50e-03	0.0	0.01	0.0
76	119	5.90	-8.60e-03	2.03e-03	-14.80	0.0	2.19	7.40	-4.66e-03	0.0	-8.60e-03	0.0
		0.0	-0.02	6.91e-03	0.0	319.0	2.19	-7.40	-4.66e-03	0.0	-0.02	0.0
76	122	5.90	0.02	-6.00e-04	-14.80	0.0	-3.19	7.40	4.74e-03	0.0	8.41e-03	0.0
		0.0	8.41e-03	-6.91e-03	0.0	319.0	-3.19	-7.40	4.74e-03	0.0	0.02	0.0
76	123	5.90	-8.74e-03	1.99e-03	-14.80	0.0	2.09	7.40	-4.58e-03	0.0	-8.74e-03	0.0
		0.0	-0.02	7.09e-03	0.0	319.0	2.09	-7.40	-4.58e-03	0.0	-0.02	0.0
76	124	5.90	-7.01e-03	1.63e-03	-14.80	0.0	1.53	7.40	-5.78e-03	0.0	-7.01e-03	0.0
		0.0	-0.02	6.91e-03	0.0	319.0	1.53	-7.40	-5.78e-03	0.0	-0.02	0.0
76	125	5.90	0.02	-3.58e-04	-14.80	0.0	-2.52	7.40	5.86e-03	0.0	6.83e-03	0.0
		0.0	6.83e-03	-6.91e-03	0.0	319.0	-2.52	-7.40	5.86e-03	0.0	0.02	0.0
76	126	5.90	0.02	-5.74e-04	-14.80	0.0	-3.08	7.40	4.66e-03	0.0	8.55e-03	0.0
		0.0	8.55e-03	-7.09e-03	0.0	319.0	-3.08	-7.40	4.66e-03	0.0	0.02	0.0
76	143	5.90	2.92e-05	5.16e-04	-14.80	0.0	-0.36	7.40	3.82e-05	0.0	-9.25e-05	0.0
		0.0	-9.25e-05	0.0	0.0	319.0	-0.36	-7.40	3.82e-05	0.0	2.92e-05	0.0
76	146	8.19	4.24e-05	9.77e-04	-20.54	0.0	-0.66	10.27	5.44e-05	0.0	-1.31e-04	0.0
		0.0	-1.31e-04	0.0	0.0	319.0	-0.66	-10.27	5.44e-05	0.0	4.24e-05	0.0
76	147	10.48	5.30e-05	6.02e-04	-26.28	0.0	-0.49	13.14	7.03e-05	0.0	-1.71e-04	0.0
		0.0	-1.71e-04	0.0	0.0	319.0	-0.49	-13.14	7.03e-05	0.0	5.30e-05	0.0
76	149	10.48	5.39e-05	8.94e-04	-26.28	0.0	-0.65	13.14	7.04e-05	0.0	-1.71e-04	0.0
		0.0	-1.71e-04	0.0	0.0	319.0	-0.65	-13.14	7.04e-05	0.0	5.39e-05	0.0
76	150	5.90	2.92e-05	5.16e-04	-14.80	0.0	-0.36	7.40	3.82e-05	0.0	-9.25e-05	0.0
		0.0	-9.25e-05	0.0	0.0	319.0	-0.36	-7.40	3.82e-05	0.0	2.92e-05	0.0
76	152	6.82	3.40e-05	5.33e-04	-17.10	0.0	-0.38	8.55	4.46e-05	0.0	-1.08e-04	0.0
		0.0	-1.08e-04	0.0	0.0	319.0	-0.38	-8.55	4.46e-05	0.0	3.40e-05	0.0
76	154	6.82	3.47e-05	7.84e-04	-17.10	0.0	-0.52	8.55	4.47e-05	0.0	-1.08e-04	0.0
		0.0	-1.08e-04	0.0	0.0	319.0	-0.52	-8.55	4.47e-05	0.0	3.47e-05	0.0
76	155	5.90	2.92e-05	5.16e-04	-14.80	0.0	-0.36	7.40	3.82e-05	0.0	-9.25e-05	0.0
		0.0	-9.25e-05	0.0	0.0	319.0	-0.36	-7.40	3.82e-05	0.0	2.92e-05	0.0
76	156	5.90	3.00e-05	7.67e-04	-14.80	0.0	-0.50	7.40	3.82e-05	0.0	-9.20e-05	0.0
		0.0	-9.20e-05	0.0	0.0	319.0	-0.50	-7.40	3.82e-05	0.0	3.00e-05	0.0

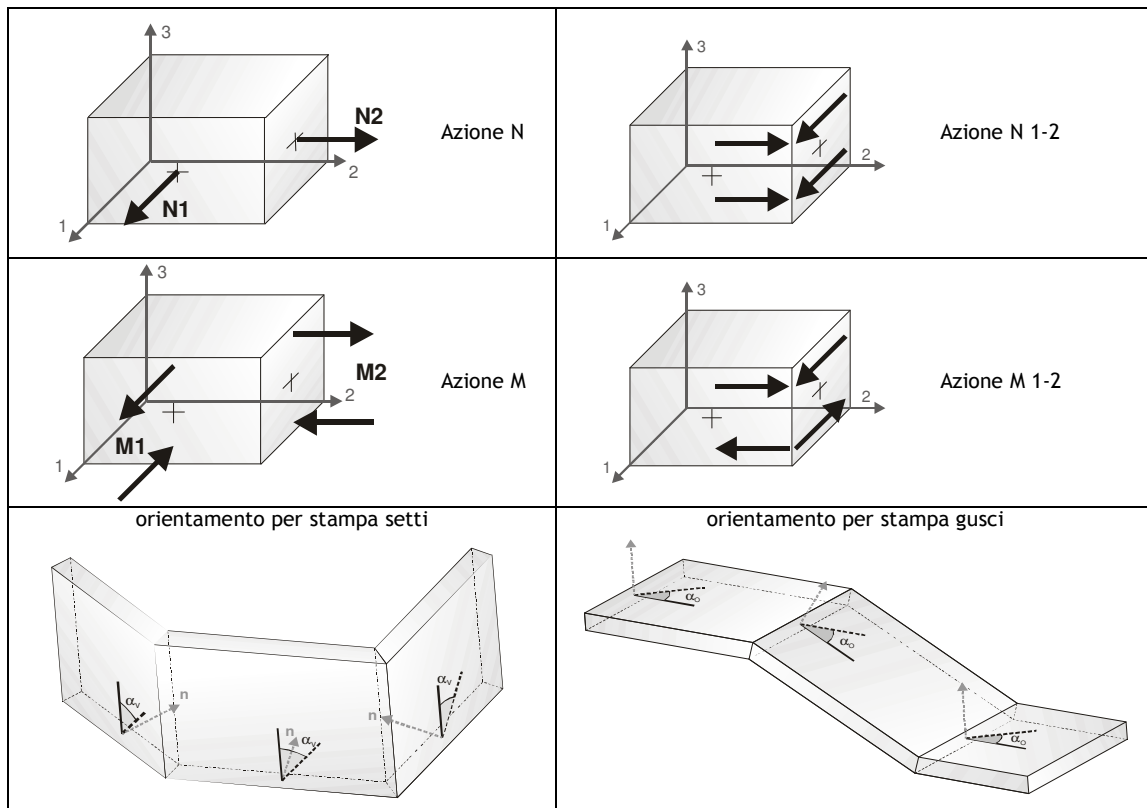
Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-12.96	-2.17	-7.09e-03	-72.93	-26.38	-36.46	-3.53	-0.19
	29.08	2.16	7.09e-03	0.0	31.56	36.46	3.53	0.19

33 RISULTATI ELEMENTI TIPO SHELL

33.1 LEGENDA RISULTATI ELEMENTI TIPO SHELL

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

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



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises		(valore riassuntivo del complessivo stato di sollecitazione)
N max		sforzo membranale principale massimo
N min		sforzo membranale principale minimo
M max		sforzo flessionale principale massimo
M min		sforzo flessionale principale minimo
N1	N2	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
N1-2	M1	
M2	M1-2	

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S : macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_o attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_v è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

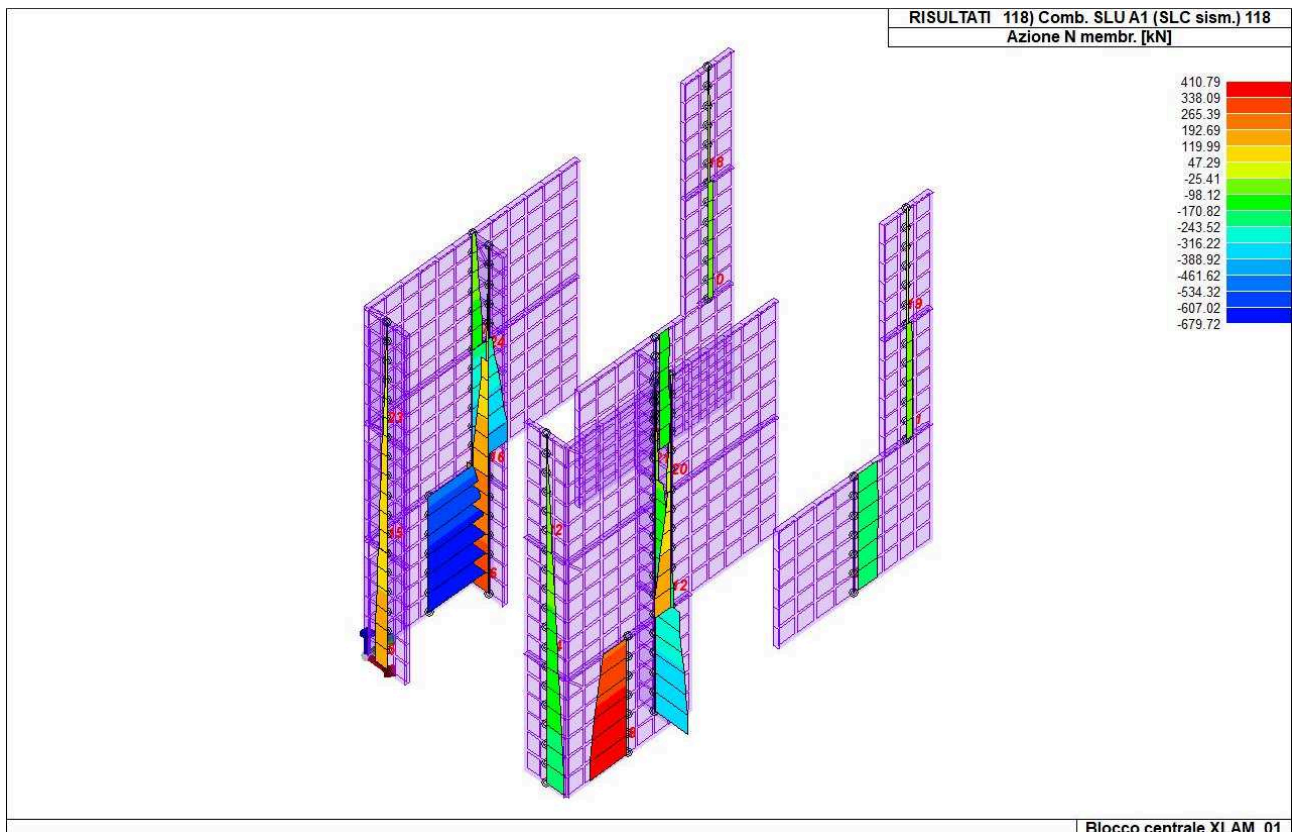


Figura 28: macro azione N membranale

Blocco centrale XLAM_01

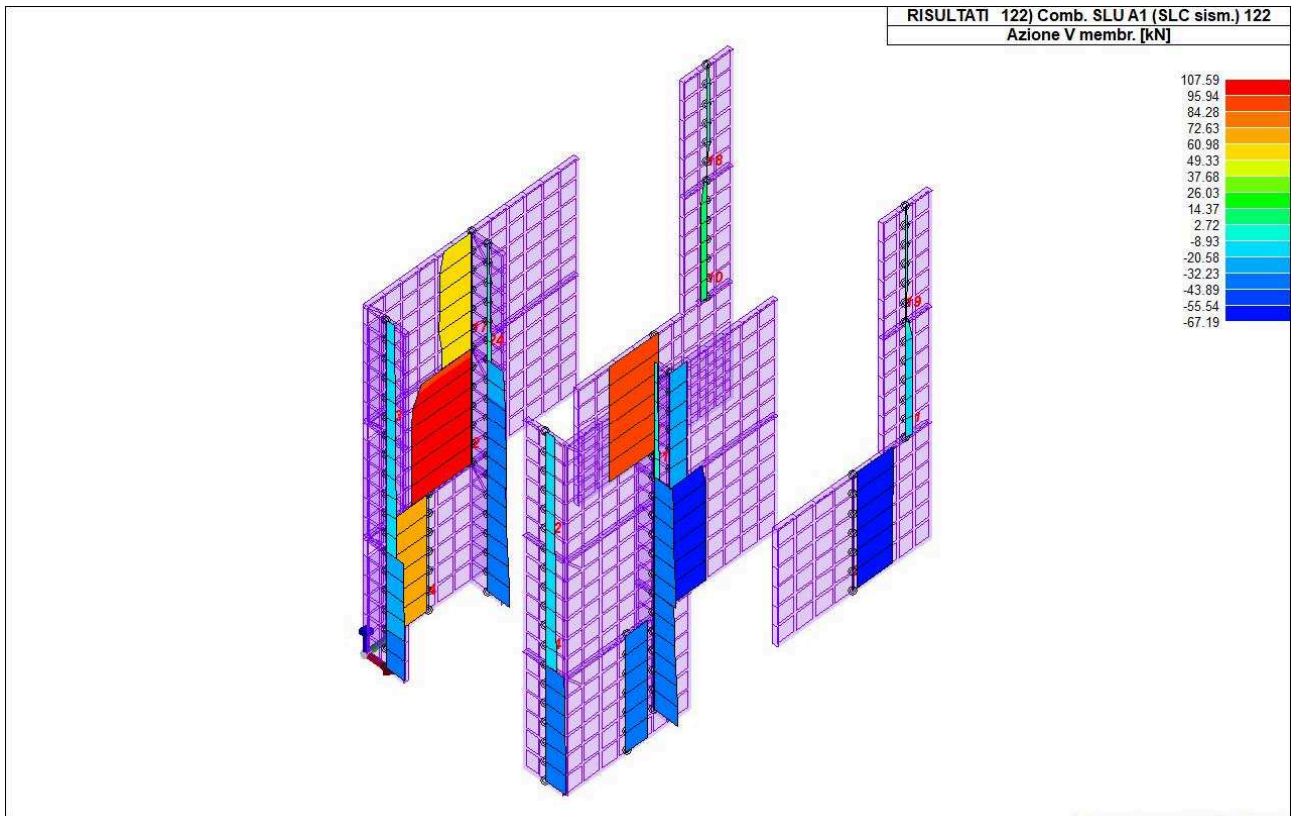


Figura 29: macro azione V membranale

Blocco centrale XLAM_01

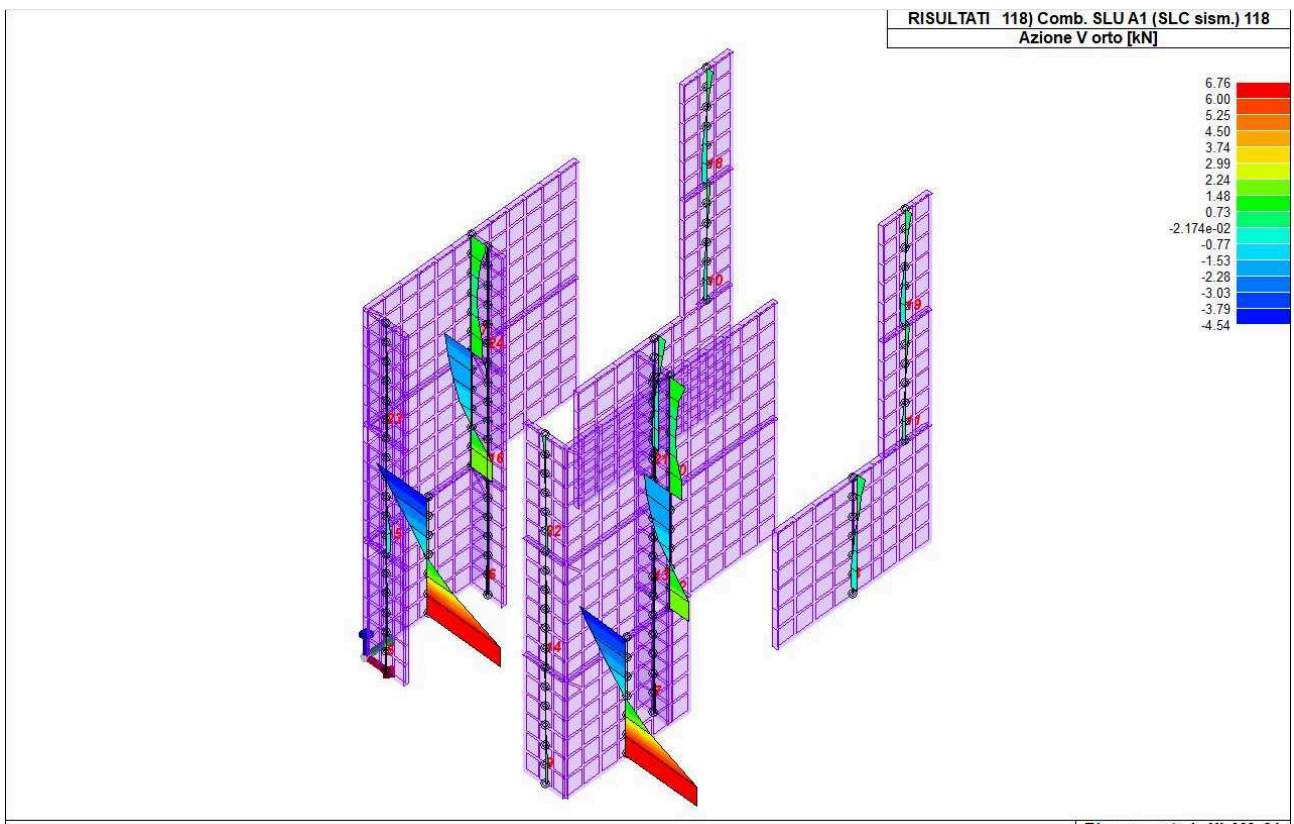


Figura 30: macro azione V ortogonale

Blocco centrale XLAM_01

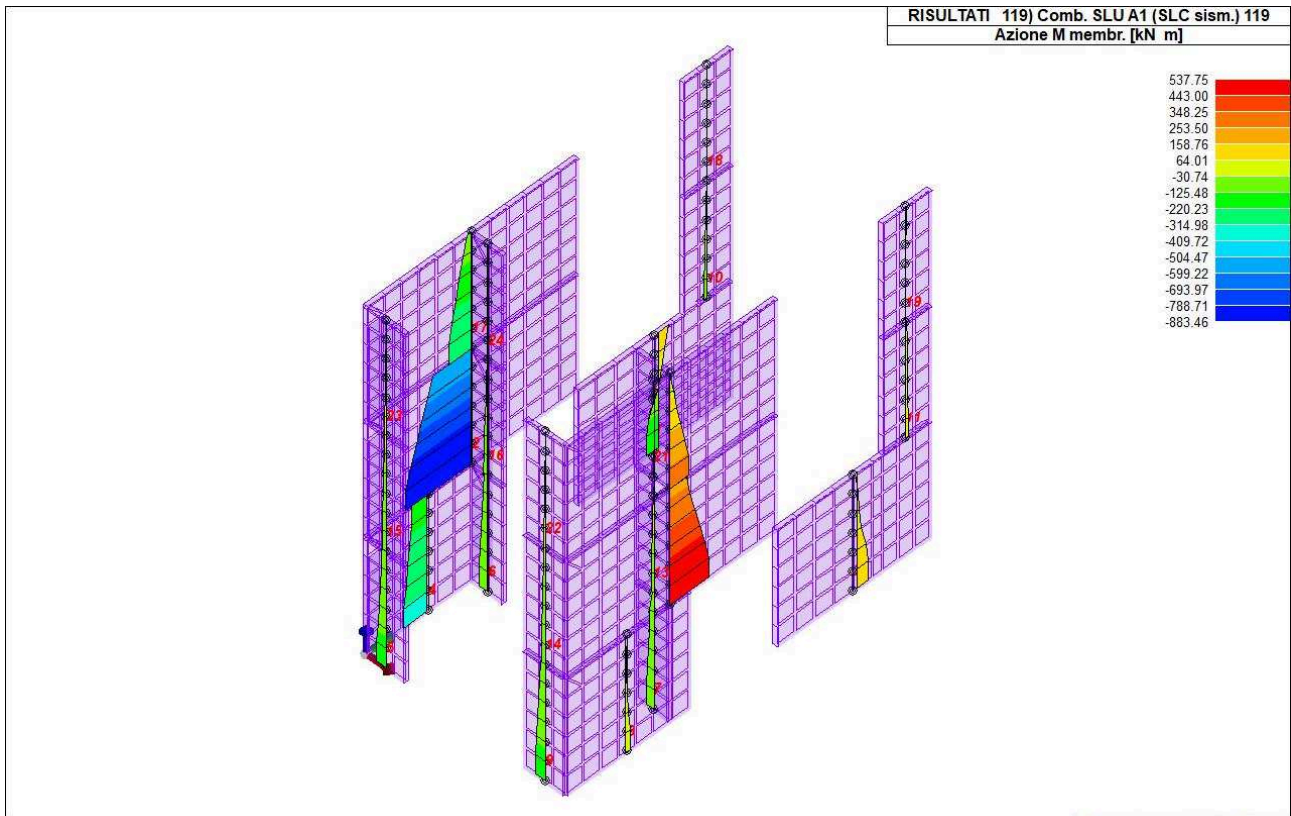


Figura 31: macro azione M membranale

Blocco centrale XLAM_01

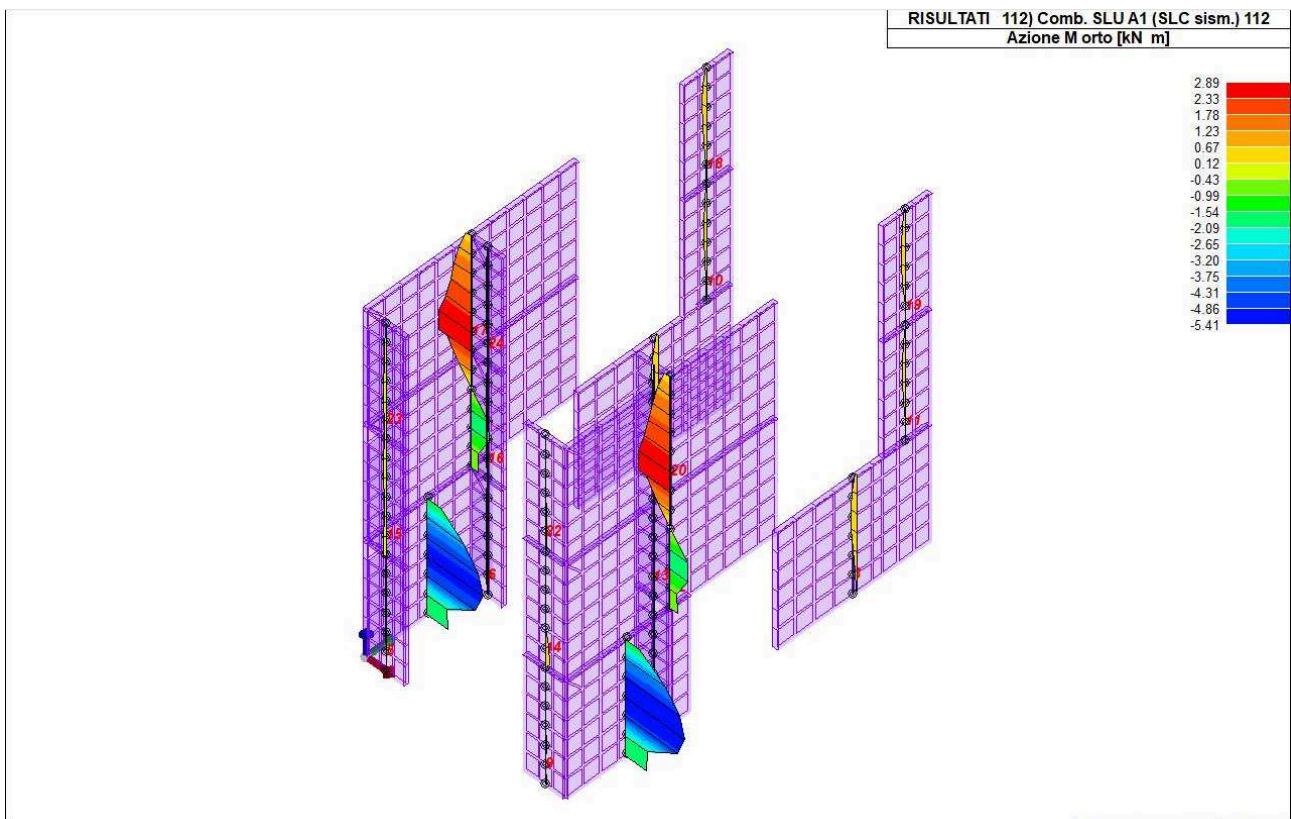


Figura 32: macro azione M ortogonale

Blocco centrale XLAM_01

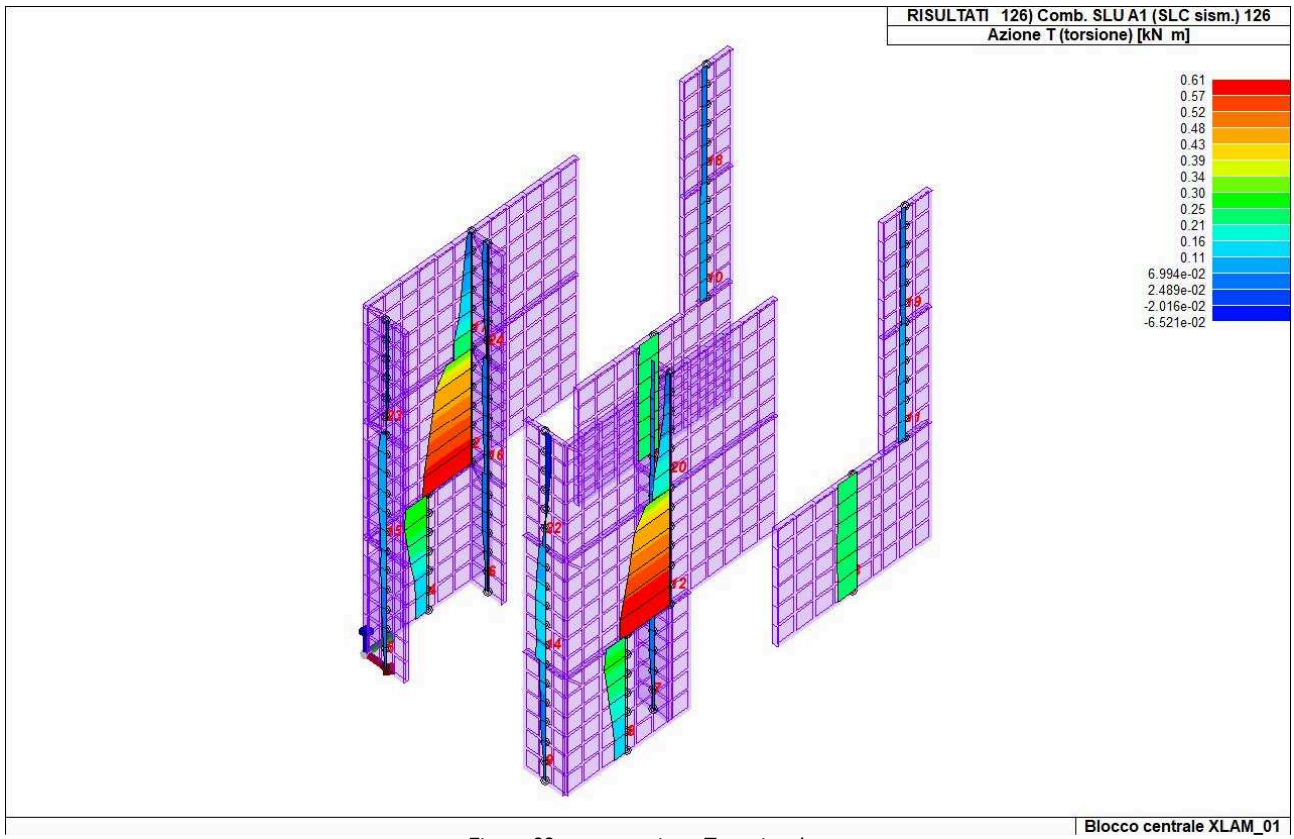


Figura 33: macro azione T torsionale

Macro	Tipo	Angolo 1-Z (gradi)
1	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
1	4	0.0	-332.59	-6.30	0.0	38.31	0.0	0.0
1	4	58.33	-332.40	-6.29	0.0	42.11	0.0	-1.26e-06
1	4	58.33	-332.40	-6.29	0.0	42.11	0.0	-1.26e-06
1	4	116.67	-329.77	-6.30	0.0	45.66	0.0	-1.28e-06
1	4	116.67	-329.77	-6.30	0.0	45.66	0.0	-1.28e-06
1	4	175.00	-326.95	-6.30	0.0	49.33	0.0	-1.84e-06
1	4	233.33	-324.04	-6.33	0.0	53.09	0.0	-3.65e-06
1	4	233.33	-324.04	-6.33	0.0	53.09	0.0	-3.65e-06
1	4	291.67	-321.30	-6.30	0.0	56.68	0.0	-8.36e-06
1	4	291.67	-321.30	-6.30	0.0	56.68	0.0	-8.36e-06
1	4	350.00	-318.48	-6.30	0.0	60.35	0.0	-1.97e-05
1	5	0.0	-116.01	-2.15	0.0	10.83	0.0	0.0
1	5	58.33	-115.87	-2.14	0.0	12.19	0.0	0.0
1	5	58.33	-115.87	-2.14	0.0	12.19	0.0	0.0
1	5	116.67	-113.84	-2.15	0.0	13.34	0.0	0.0
1	5	116.67	-113.84	-2.15	0.0	13.34	0.0	0.0
1	5	175.00	-111.67	-2.15	0.0	14.59	0.0	0.0
1	5	233.33	-109.39	-2.16	0.0	15.93	0.0	-1.36e-06
1	5	233.33	-109.39	-2.16	0.0	15.93	0.0	-1.36e-06
1	5	291.67	-107.33	-2.15	0.0	17.10	0.0	-2.95e-06
1	5	291.67	-107.33	-2.15	0.0	17.10	0.0	-2.95e-06
1	5	350.00	-105.16	-2.15	0.0	18.35	0.0	-6.73e-06
1	23	0.0	-244.34	-78.49	0.57	-128.60	0.16	-0.17
1	23	58.33	-244.01	-78.78	0.57	-126.34	0.18	-0.17
1	23	58.33	-244.01	-78.78	0.57	-126.34	0.18	-0.17
1	23	116.67	-231.38	-78.49	0.48	-89.37	0.44	-0.18
1	23	116.67	-231.38	-78.49	0.48	-89.37	0.44	-0.18
1	23	175.00	-247.96	-78.51	0.26	-0.41	0.63	-0.18
1	23	233.33	-242.85	-79.05	-0.13	41.81	0.66	-0.17
1	23	233.33	-242.85	-79.05	-0.13	41.81	0.66	-0.17
1	23	291.67	-233.96	-78.71	-0.42	70.61	0.55	-0.18
1	23	291.67	-233.96	-78.71	-0.42	70.61	0.55	-0.18
1	23	350.00	-236.98	-78.96	-0.78	121.89	0.22	-0.17

1	24	0.0	-219.15	-49.35	0.58	-79.54	0.16	-0.19
1	24	58.33	-218.89	-49.55	0.57	-77.32	0.17	-0.19
1	24	58.33	-218.89	-49.55	0.57	-77.32	0.17	-0.19
1	24	116.67	-209.37	-49.38	0.48	-47.12	0.43	-0.20
1	24	116.67	-209.37	-49.38	0.48	-47.12	0.43	-0.20
1	24	175.00	-220.68	-49.45	0.26	5.92	0.62	-0.20
1	24	233.33	-216.25	-49.91	-0.13	31.67	0.68	-0.19
1	24	233.33	-216.25	-49.91	-0.13	31.67	0.68	-0.19
1	24	291.67	-209.37	-49.80	-0.43	48.50	0.55	-0.19
1	24	291.67	-209.37	-49.80	-0.43	48.50	0.55	-0.19
1	24	350.00	-210.55	-50.13	-0.76	80.42	0.22	-0.19
1	26	0.0	-123.17	71.60	-0.57	170.81	-0.16	0.17
1	26	58.33	-123.22	71.91	-0.57	172.77	-0.18	0.17
1	26	58.33	-123.22	71.91	-0.57	172.77	-0.18	0.17
1	26	116.67	-131.79	71.60	-0.48	139.61	-0.44	0.18
1	26	116.67	-131.79	71.60	-0.48	139.61	-0.44	0.18
1	26	175.00	-110.87	71.62	-0.26	54.66	-0.63	0.18
1	26	233.33	-111.46	72.13	0.13	16.62	-0.66	0.17
1	26	233.33	-111.46	72.13	0.13	16.62	-0.66	0.17
1	26	291.67	-116.19	71.83	0.42	-8.32	-0.55	0.18
1	26	291.67	-116.19	71.83	0.42	-8.32	-0.55	0.18
1	26	350.00	-108.83	72.08	0.78	-55.59	-0.22	0.17
1	55	0.0	-233.89	-68.17	0.59	-111.54	0.17	-0.14
1	55	58.33	-233.58	-68.41	0.58	-109.30	0.19	-0.14
1	55	58.33	-233.58	-68.41	0.58	-109.30	0.19	-0.14
1	55	116.67	-221.67	-68.18	0.49	-76.77	0.46	-0.14
1	55	116.67	-221.67	-68.18	0.49	-76.77	0.46	-0.14
1	55	175.00	-241.44	-68.23	0.26	13.07	0.65	-0.14
1	55	233.33	-236.06	-68.74	-0.13	47.88	0.69	-0.14
1	55	233.33	-236.06	-68.74	-0.13	47.88	0.69	-0.14
1	55	291.67	-225.42	-68.58	-0.43	67.18	0.58	-0.14
1	55	291.67	-225.42	-68.58	-0.43	67.18	0.58	-0.14
1	55	350.00	-229.24	-68.96	-0.81	112.47	0.23	-0.13
1	56	0.0	-208.21	-37.89	0.59	-59.58	0.16	-0.16
1	56	58.33	-207.97	-38.03	0.59	-57.38	0.18	-0.16
1	56	58.33	-207.97	-38.03	0.59	-57.38	0.18	-0.16
1	56	116.67	-199.15	-37.93	0.49	-32.26	0.45	-0.17
1	56	116.67	-199.15	-37.93	0.49	-32.26	0.45	-0.17
1	56	175.00	-213.04	-38.02	0.27	19.14	0.65	-0.16
1	56	233.33	-208.45	-38.46	-0.13	37.03	0.71	-0.16
1	56	233.33	-208.45	-38.46	-0.13	37.03	0.71	-0.16
1	56	291.67	-200.17	-38.51	-0.44	44.46	0.57	-0.16
1	56	291.67	-200.17	-38.51	-0.44	44.46	0.57	-0.16
1	56	350.00	-201.94	-38.97	-0.78	69.54	0.23	-0.15
1	67	0.0	-237.73	-68.78	0.17	-97.50	0.06	-8.26e-03
1	67	58.33	-237.44	-69.01	0.16	-95.27	0.07	-8.36e-03
1	67	58.33	-237.44	-69.01	0.16	-95.27	0.07	-8.36e-03
1	67	116.67	-227.77	-68.74	0.14	-72.95	0.16	-9.02e-03
1	67	116.67	-227.77	-68.74	0.14	-72.95	0.16	-9.02e-03
1	67	175.00	-241.09	-68.69	0.07	13.71	0.20	-9.54e-03
1	67	233.33	-236.71	-68.97	-0.04	51.27	0.17	-0.01
1	67	233.33	-236.71	-68.97	-0.04	51.27	0.17	-0.01
1	67	291.67	-228.47	-68.58	-0.12	76.42	0.18	-0.01
1	67	291.67	-228.47	-68.58	-0.12	76.42	0.18	-0.01
1	67	350.00	-231.21	-68.58	-0.28	122.06	0.07	-0.01
1	70	0.0	-129.78	61.89	-0.17	139.71	-0.06	8.26e-03
1	70	58.33	-129.79	62.13	-0.16	141.70	-0.07	8.36e-03
1	70	58.33	-129.79	62.13	-0.16	141.70	-0.07	8.36e-03
1	70	116.67	-135.40	61.86	-0.14	123.19	-0.16	9.02e-03
1	70	116.67	-135.40	61.86	-0.14	123.19	-0.16	9.02e-03
1	70	175.00	-117.74	61.80	-0.07	40.55	-0.20	9.53e-03
1	70	233.33	-117.60	62.05	0.04	7.16	-0.17	0.01
1	70	233.33	-117.60	62.05	0.04	7.16	-0.17	0.01
1	70	291.67	-121.68	61.70	0.12	-14.13	-0.18	0.01
1	70	291.67	-121.68	61.70	0.12	-14.13	-0.18	0.01
1	70	350.00	-114.60	61.69	0.28	-55.76	-0.07	0.01
1	88	0.0	-204.49	-32.97	0.53	-48.64	0.15	-0.14
1	88	58.33	-204.26	-33.09	0.52	-46.46	0.16	-0.14
1	88	58.33	-204.26	-33.09	0.52	-46.46	0.16	-0.14
1	88	116.67	-196.25	-33.00	0.44	-24.40	0.40	-0.15
1	88	116.67	-196.25	-33.00	0.44	-24.40	0.40	-0.15
1	88	175.00	-208.63	-33.09	0.24	21.39	0.58	-0.14
1	88	233.33	-204.29	-33.48	-0.12	36.79	0.63	-0.14
1	88	233.33	-204.29	-33.48	-0.12	36.79	0.63	-0.14
1	88	291.67	-196.57	-33.54	-0.39	42.70	0.51	-0.14

1	88	291.67	-196.57	-33.54	-0.39	42.70	0.51	-0.14
1	88	350.00	-197.97	-33.96	-0.70	64.58	0.20	-0.13
1	99	0.0	-231.48	-61.41	0.15	-84.40	0.05	-6.31e-03
1	99	58.33	-231.21	-61.61	0.15	-82.18	0.06	-6.40e-03
1	99	58.33	-231.21	-61.61	0.15	-82.18	0.06	-6.40e-03
1	99	116.67	-222.42	-61.38	0.12	-62.13	0.14	-6.95e-03
1	99	116.67	-222.42	-61.38	0.12	-62.13	0.14	-6.95e-03
1	99	175.00	-234.28	-61.33	0.06	15.75	0.18	-7.43e-03
1	99	233.33	-230.10	-61.59	-0.03	49.21	0.16	-8.07e-03
1	99	233.33	-230.10	-61.59	-0.03	49.21	0.16	-8.07e-03
1	99	291.67	-222.40	-61.25	-0.11	71.42	0.16	-8.72e-03
1	99	291.67	-222.40	-61.25	-0.11	71.42	0.16	-8.72e-03
1	99	350.00	-224.67	-61.25	-0.25	112.20	0.06	-8.73e-03
1	102	0.0	-136.03	54.53	-0.15	126.61	-0.05	6.31e-03
1	102	58.33	-136.02	54.74	-0.15	128.61	-0.06	6.40e-03
1	102	58.33	-136.02	54.74	-0.15	128.61	-0.06	6.40e-03
1	102	116.67	-140.75	54.50	-0.12	112.37	-0.14	6.95e-03
1	102	116.67	-140.75	54.50	-0.12	112.37	-0.14	6.95e-03
1	102	175.00	-124.55	54.45	-0.06	38.51	-0.18	7.42e-03
1	102	233.33	-124.21	54.67	0.03	9.22	-0.16	8.07e-03
1	102	233.33	-124.21	54.67	0.03	9.22	-0.16	8.07e-03
1	102	291.67	-127.75	54.36	0.11	-9.13	-0.16	8.71e-03
1	102	291.67	-127.75	54.36	0.11	-9.13	-0.16	8.71e-03
1	102	350.00	-121.14	54.37	0.25	-45.90	-0.06	8.70e-03
1	119	0.0	-260.20	-97.01	0.68	-164.11	0.19	-0.22
1	119	58.33	-259.82	-97.38	0.67	-161.81	0.21	-0.22
1	119	58.33	-259.82	-97.38	0.67	-161.81	0.21	-0.22
1	119	116.67	-244.94	-97.01	0.56	-116.09	0.52	-0.23
1	119	116.67	-244.94	-97.01	0.56	-116.09	0.52	-0.23
1	119	175.00	-263.81	-97.02	0.30	-10.90	0.74	-0.22
1	119	233.33	-258.28	-97.67	-0.16	42.02	0.78	-0.22
1	119	233.33	-258.28	-97.67	-0.16	42.02	0.78	-0.22
1	119	291.67	-248.81	-97.21	-0.50	79.78	0.65	-0.22
1	119	291.67	-248.81	-97.21	-0.50	79.78	0.65	-0.22
1	119	350.00	-252.50	-97.46	-0.92	142.87	0.26	-0.21
1	120	0.0	-230.74	-63.08	0.69	-107.19	0.19	-0.24
1	120	58.33	-230.44	-63.33	0.68	-104.95	0.20	-0.24
1	120	58.33	-230.44	-63.33	0.68	-104.95	0.20	-0.24
1	120	116.67	-219.24	-63.11	0.57	-67.02	0.51	-0.25
1	120	116.67	-219.24	-63.11	0.57	-67.02	0.51	-0.25
1	120	175.00	-232.03	-63.18	0.31	-3.44	0.73	-0.25
1	120	233.33	-227.28	-63.75	-0.16	30.26	0.80	-0.24
1	120	233.33	-227.28	-63.75	-0.16	30.26	0.80	-0.24
1	120	291.67	-220.10	-63.54	-0.51	53.97	0.64	-0.24
1	120	291.67	-220.10	-63.54	-0.51	53.97	0.64	-0.24
1	120	350.00	-221.67	-63.89	-0.89	94.52	0.26	-0.23
1	122	0.0	-107.31	90.12	-0.68	206.32	-0.19	0.22
1	122	58.33	-107.41	90.50	-0.67	208.24	-0.21	0.22
1	122	58.33	-107.41	90.50	-0.67	208.24	-0.21	0.22
1	122	116.67	-118.23	90.12	-0.56	166.33	-0.52	0.23
1	122	116.67	-118.23	90.12	-0.56	166.33	-0.52	0.23
1	122	175.00	-95.02	90.13	-0.30	65.16	-0.74	0.22
1	122	233.33	-96.04	90.75	0.16	16.40	-0.78	0.22
1	122	233.33	-96.04	90.75	0.16	16.40	-0.78	0.22
1	122	291.67	-101.34	90.33	0.50	-17.49	-0.65	0.22
1	122	291.67	-101.34	90.33	0.50	-17.49	-0.65	0.22
1	122	350.00	-93.31	90.57	0.92	-76.57	-0.26	0.21
1	143	0.0	-124.19	-2.31	0.0	11.73	0.0	0.0
1	143	58.33	-124.05	-2.30	0.0	13.18	0.0	0.0
1	143	58.33	-124.05	-2.30	0.0	13.18	0.0	0.0
1	143	116.67	-122.02	-2.31	0.0	14.43	0.0	0.0
1	143	116.67	-122.02	-2.31	0.0	14.43	0.0	0.0
1	143	175.00	-119.85	-2.31	0.0	15.77	0.0	0.0
1	143	233.33	-117.57	-2.32	0.0	17.20	0.0	-1.45e-06
1	143	233.33	-117.57	-2.32	0.0	17.20	0.0	-1.45e-06
1	143	291.67	-115.51	-2.31	0.0	18.46	0.0	-3.16e-06
1	143	291.67	-115.51	-2.31	0.0	18.46	0.0	-3.16e-06
1	143	350.00	-113.34	-2.31	0.0	19.81	0.0	-7.24e-06
1	146	0.0	-232.83	-4.40	0.0	26.50	0.0	0.0
1	146	58.33	-232.69	-4.40	0.0	29.17	0.0	0.0
1	146	58.33	-232.69	-4.40	0.0	29.17	0.0	0.0
1	146	116.67	-230.66	-4.40	0.0	31.64	0.0	0.0
1	146	116.67	-230.66	-4.40	0.0	31.64	0.0	0.0
1	146	175.00	-228.49	-4.40	0.0	34.20	0.0	-1.30e-06
1	146	233.33	-226.25	-4.42	0.0	36.84	0.0	-2.56e-06

1	146	233.33	-226.25	-4.42	0.0	36.84	0.0	-2.56e-06
1	146	291.67	-224.15	-4.40	0.0	39.34	0.0	-5.85e-06
1	146	291.67	-224.15	-4.40	0.0	39.34	0.0	-5.85e-06
1	146	350.00	-221.98	-4.40	0.0	41.90	0.0	-1.38e-05
1	150	0.0	-124.19	-2.31	0.0	11.73	0.0	0.0
1	150	58.33	-124.05	-2.30	0.0	13.18	0.0	0.0
1	150	58.33	-124.05	-2.30	0.0	13.18	0.0	0.0
1	150	116.67	-122.02	-2.31	0.0	14.43	0.0	0.0
1	150	116.67	-122.02	-2.31	0.0	14.43	0.0	0.0
1	150	175.00	-119.85	-2.31	0.0	15.77	0.0	0.0
1	150	233.33	-117.57	-2.32	0.0	17.20	0.0	-1.45e-06
1	150	233.33	-117.57	-2.32	0.0	17.20	0.0	-1.45e-06
1	150	291.67	-115.51	-2.31	0.0	18.46	0.0	-3.16e-06
1	150	291.67	-115.51	-2.31	0.0	18.46	0.0	-3.16e-06
1	150	350.00	-113.34	-2.31	0.0	19.81	0.0	-7.24e-06
1	151	0.0	-193.68	-3.63	0.0	22.67	0.0	0.0
1	151	58.33	-193.54	-3.63	0.0	24.89	0.0	0.0
1	151	58.33	-193.54	-3.63	0.0	24.89	0.0	0.0
1	151	116.67	-191.51	-3.63	0.0	26.90	0.0	0.0
1	151	116.67	-191.51	-3.63	0.0	26.90	0.0	0.0
1	151	175.00	-189.34	-3.63	0.0	29.02	0.0	-1.08e-06
1	151	233.33	-187.09	-3.65	0.0	31.21	0.0	-2.12e-06
1	151	233.33	-187.09	-3.65	0.0	31.21	0.0	-2.12e-06
1	151	291.67	-185.00	-3.63	0.0	33.26	0.0	-4.82e-06
1	151	291.67	-185.00	-3.63	0.0	33.26	0.0	-4.82e-06
1	151	350.00	-182.83	-3.63	0.0	35.37	0.0	-1.13e-05
1	155	0.0	-124.19	-2.31	0.0	11.73	0.0	0.0
1	155	58.33	-124.05	-2.30	0.0	13.18	0.0	0.0
1	155	58.33	-124.05	-2.30	0.0	13.18	0.0	0.0
1	155	116.67	-122.02	-2.31	0.0	14.43	0.0	0.0
1	155	116.67	-122.02	-2.31	0.0	14.43	0.0	0.0
1	155	175.00	-119.85	-2.31	0.0	15.77	0.0	0.0
1	155	233.33	-117.57	-2.32	0.0	17.20	0.0	-1.45e-06
1	155	233.33	-117.57	-2.32	0.0	17.20	0.0	-1.45e-06
1	155	291.67	-115.51	-2.31	0.0	18.46	0.0	-3.16e-06
1	155	291.67	-115.51	-2.31	0.0	18.46	0.0	-3.16e-06
1	155	350.00	-113.34	-2.31	0.0	19.81	0.0	-7.24e-06
1	156	0.0	-183.75	-3.44	0.0	21.10	0.0	0.0
1	156	58.33	-183.61	-3.44	0.0	23.21	0.0	0.0
1	156	58.33	-183.61	-3.44	0.0	23.21	0.0	0.0
1	156	116.67	-181.58	-3.44	0.0	25.12	0.0	0.0
1	156	116.67	-181.58	-3.44	0.0	25.12	0.0	0.0
1	156	175.00	-179.41	-3.44	0.0	27.13	0.0	-1.04e-06
1	156	233.33	-177.16	-3.46	0.0	29.21	0.0	-2.02e-06
1	156	233.33	-177.16	-3.46	0.0	29.21	0.0	-2.02e-06
1	156	291.67	-175.07	-3.44	0.0	31.14	0.0	-4.58e-06
1	156	291.67	-175.07	-3.44	0.0	31.14	0.0	-4.58e-06
1	156	350.00	-172.90	-3.44	0.0	33.15	0.0	-1.07e-05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-332.59	-97.67	-0.92	-164.11	-0.78	-0.25
	-93.31	90.75	0.92	208.24	0.80	0.23

Macro	Tipo	Angolo 1-Z (gradi)
2	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
2	3	350.00	-175.73	3.78	-0.12	-195.18	0.0	-6.02e-03
2	3	408.33	-175.73	3.78	-0.12	-197.39	-0.07	-5.45e-03
2	3	466.67	-172.27	3.83	0.01	-200.83	-0.06	-3.79e-03
2	3	525.00	-170.44	3.85	0.05	-204.71	-0.03	-2.20e-03
2	3	583.33	-169.24	3.86	0.04	-208.82	-9.18e-03	-8.28e-04
2	3	641.67	-168.48	3.88	0.02	-213.03	1.22e-03	5.22e-04
2	3	700.00	-163.08	1.37	-0.03	-200.69	-6.64e-03	2.49e-03
2	4	350.00	-194.02	3.87	-0.12	-206.85	0.0	-5.62e-03
2	4	408.33	-194.02	3.87	-0.12	-209.12	-0.07	-5.04e-03
2	4	466.67	-190.57	3.92	0.02	-212.61	-0.06	-3.38e-03
2	4	525.00	-188.87	3.95	0.05	-216.57	-0.03	-1.82e-03
2	4	583.33	-187.82	3.95	0.04	-220.81	-4.89e-03	-5.07e-04
2	4	641.67	-187.24	3.98	0.01	-225.20	3.74e-03	7.43e-04
2	4	700.00	-181.16	1.66	-0.03	-212.97	-9.46e-03	2.30e-03

2	5	350.00	-86.90	1.10	-0.04	-61.60	0.0	-1.29e-03
2	5	408.33	-86.90	1.10	-0.04	-62.24	-0.02	-1.12e-03
2	5	466.67	-83.85	1.11	7.45e-03	-63.48	-0.02	-6.39e-04
2	5	525.00	-81.53	1.13	0.02	-64.74	-8.81e-03	-2.02e-04
2	5	583.33	-79.46	1.13	0.02	-66.15	2.99e-04	1.40e-04
2	5	641.67	-77.55	1.14	4.36e-03	-67.72	2.84e-03	4.10e-04
2	5	700.00	-72.93	0.88	-0.01	-65.67	-2.80e-03	6.13e-04
2	11	350.00	-196.50	3.32	-0.11	-188.02	0.0	-4.01e-03
2	11	408.33	-196.50	3.32	-0.11	-189.96	-0.06	-3.50e-03
2	11	466.67	-192.94	3.37	0.02	-193.00	-0.05	-2.13e-03
2	11	525.00	-191.04	3.40	0.05	-196.44	-0.02	-8.83e-04
2	11	583.33	-189.75	3.40	0.04	-200.20	2.29e-03	1.12e-04
2	11	641.67	-188.89	3.43	8.24e-03	-204.20	7.10e-03	9.83e-04
2	11	700.00	-181.92	1.91	-0.04	-194.73	-0.01	1.63e-03
2	16	350.00	123.16	-38.92	-1.73	-608.74	-0.56	-0.46
2	16	408.33	123.16	-38.92	-1.73	-609.94	-0.60	-0.45
2	16	466.67	98.90	-39.22	-0.33	-564.67	-1.36	-0.42
2	16	525.00	74.69	-39.48	0.80	-519.76	-1.33	-0.39
2	16	583.33	52.26	-39.65	1.37	-475.14	-0.27	-0.35
2	16	641.67	21.81	-39.83	1.71	-435.69	0.97	-0.32
2	16	700.00	6.61	-35.43	1.78	-386.94	1.80	-0.21
2	17	350.00	-347.87	43.02	1.59	392.53	0.56	0.45
2	17	408.33	-347.87	43.02	1.59	391.33	0.51	0.45
2	17	466.67	-317.92	43.37	0.35	342.11	1.29	0.42
2	17	525.00	-290.02	43.66	-0.74	292.87	1.29	0.38
2	17	583.33	-264.66	43.84	-1.32	243.59	0.26	0.35
2	17	641.67	-231.77	44.04	-1.69	199.25	-0.97	0.33
2	17	700.00	-207.81	37.38	-1.81	162.40	-1.80	0.22
2	24	350.00	99.81	-47.65	-1.78	-606.69	-0.51	-0.47
2	24	408.33	99.81	-47.65	-1.78	-607.88	-0.55	-0.47
2	24	466.67	78.20	-47.99	-0.30	-561.83	-1.24	-0.44
2	24	525.00	56.67	-48.25	0.75	-516.09	-0.97	-0.41
2	24	583.33	36.92	-48.39	1.28	-470.63	-0.22	-0.37
2	24	641.67	9.71	-48.59	1.56	-430.30	0.90	-0.35
2	24	700.00	-3.38	-42.62	1.54	-380.25	1.66	-0.24
2	26	350.00	-310.85	86.64	1.49	507.97	0.45	0.44
2	26	408.33	-310.85	86.64	1.49	506.77	0.41	0.43
2	26	466.67	-284.84	86.92	0.22	442.69	0.98	0.41
2	26	525.00	-261.05	86.87	-0.72	378.78	0.79	0.38
2	26	583.33	-239.85	86.58	-1.22	315.18	-2.33e-03	0.34
2	26	641.67	-208.40	86.32	-1.55	246.99	-1.03	0.32
2	26	700.00	-191.30	72.50	-1.58	204.88	-1.67	0.22
2	48	350.00	89.24	-30.73	-1.49	-530.65	-0.49	-0.40
2	48	408.33	89.24	-30.73	-1.49	-531.85	-0.53	-0.39
2	48	466.67	69.06	-31.09	-0.31	-494.48	-1.23	-0.37
2	48	525.00	48.97	-31.41	0.72	-457.46	-1.22	-0.34
2	48	583.33	30.75	-31.62	1.18	-420.69	-0.24	-0.30
2	48	641.67	2.19	-31.84	1.44	-389.53	0.99	-0.28
2	48	700.00	-9.41	-28.70	1.46	-346.17	1.62	-0.19
2	49	350.00	-313.95	34.82	1.35	314.44	0.49	0.39
2	49	408.33	-313.95	34.82	1.35	313.24	0.45	0.39
2	49	466.67	-288.07	35.24	0.33	271.93	1.16	0.36
2	49	525.00	-264.31	35.60	-0.66	230.57	1.19	0.33
2	49	583.33	-243.14	35.81	-1.13	189.14	0.23	0.30
2	49	641.67	-212.16	36.06	-1.43	153.09	-0.99	0.28
2	49	700.00	-191.80	30.65	-1.49	121.63	-1.63	0.19
2	70	350.00	-138.41	78.97	0.04	232.75	6.60e-04	0.06
2	70	408.33	-138.41	78.97	0.04	231.55	-0.04	0.06
2	70	466.67	-132.03	78.91	-0.10	191.81	-0.11	0.05
2	70	525.00	-127.29	78.36	-0.22	152.38	-0.07	0.05
2	70	583.33	-123.71	77.60	-0.26	113.54	-0.38	0.04
2	70	641.67	-110.87	76.78	-0.37	57.46	-0.54	0.03
2	70	700.00	-111.62	63.57	-0.37	45.61	-0.45	0.01
2	80	350.00	63.05	-26.20	-1.30	-475.17	-0.42	-0.35
2	80	408.33	63.05	-26.20	-1.30	-476.37	-0.46	-0.34
2	80	466.67	45.88	-26.53	-0.27	-444.25	-1.08	-0.32
2	80	525.00	28.71	-26.82	0.63	-412.44	-1.08	-0.29
2	80	583.33	13.14	-27.01	1.03	-380.88	-0.21	-0.27
2	80	641.67	-11.92	-27.21	1.26	-354.35	0.89	-0.25
2	80	700.00	-21.33	-24.68	1.26	-315.73	1.42	-0.17
2	81	350.00	-287.76	30.30	1.17	258.96	0.42	0.34
2	81	408.33	-287.76	30.30	1.17	257.76	0.38	0.34
2	81	466.67	-264.90	30.68	0.29	221.69	1.01	0.32
2	81	525.00	-244.04	31.00	-0.57	185.56	1.04	0.29
2	81	583.33	-225.54	31.20	-0.98	149.33	0.20	0.26

2	81	641.67	-198.04	31.43	-1.24	117.92	-0.88	0.25
2	81	700.00	-179.87	26.63	-1.29	91.19	-1.43	0.17
2	102	350.00	-134.29	70.34	0.02	192.88	-2.92e-03	0.05
2	102	408.33	-134.29	70.34	0.02	191.68	-0.04	0.05
2	102	466.67	-128.43	70.28	-0.09	156.34	-0.11	0.04
2	102	525.00	-124.15	69.80	-0.19	121.26	-0.07	0.04
2	102	583.33	-120.94	69.12	-0.22	86.69	-0.35	0.03
2	102	641.67	-109.42	68.39	-0.32	36.66	-0.48	0.02
2	102	700.00	-109.77	56.53	-0.32	27.04	-0.39	8.48e-03
2	112	350.00	180.44	-49.99	-2.13	-733.84	-0.69	-0.57
2	112	408.33	180.44	-49.99	-2.13	-735.04	-0.73	-0.56
2	112	466.67	149.53	-50.32	-0.40	-677.75	-1.67	-0.53
2	112	525.00	118.86	-50.62	0.97	-620.87	-1.62	-0.48
2	112	583.33	90.32	-50.80	1.70	-564.31	-0.34	-0.43
2	112	641.67	53.14	-51.00	2.13	-513.66	1.15	-0.40
2	112	700.00	32.88	-45.04	2.24	-454.71	2.20	-0.26
2	113	350.00	-405.15	54.08	1.99	517.63	0.69	0.56
2	113	408.33	-405.15	54.08	1.99	516.43	0.65	0.56
2	113	466.67	-368.55	54.47	0.42	455.20	1.60	0.52
2	113	525.00	-334.19	54.80	-0.91	393.99	1.58	0.48
2	113	583.33	-302.72	54.98	-1.65	332.77	0.33	0.43
2	113	641.67	-263.11	55.21	-2.11	277.23	-1.14	0.40
2	113	700.00	-234.09	46.99	-2.27	230.17	-2.21	0.27
2	120	350.00	157.02	-62.48	-2.24	-745.49	-0.65	-0.60
2	120	408.33	157.02	-62.48	-2.24	-746.69	-0.69	-0.59
2	120	466.67	128.75	-62.88	-0.37	-687.03	-1.55	-0.56
2	120	525.00	100.72	-63.19	0.93	-627.73	-1.21	-0.51
2	120	583.33	74.81	-63.34	1.62	-568.73	-0.28	-0.47
2	120	641.67	41.33	-63.57	1.99	-515.57	1.06	-0.44
2	120	700.00	23.10	-55.42	2.00	-453.89	2.06	-0.30
2	122	350.00	-365.77	107.26	1.92	666.05	0.57	0.56
2	122	408.33	-365.77	107.26	1.92	664.85	0.53	0.55
2	122	466.67	-333.32	107.59	0.28	584.84	1.26	0.52
2	122	525.00	-303.27	107.52	-0.91	505.07	1.01	0.48
2	122	583.33	-276.15	107.17	-1.55	425.69	0.03	0.43
2	122	641.67	-238.19	106.86	-1.98	341.05	-1.21	0.41
2	122	700.00	-216.71	89.94	-2.03	286.53	-2.08	0.27
2	143	350.00	-91.28	1.20	-0.05	-67.42	0.0	-1.42e-03
2	143	408.33	-91.28	1.20	-0.05	-68.12	-0.03	-1.24e-03
2	143	466.67	-88.25	1.22	7.92e-03	-69.43	-0.02	-7.17e-04
2	143	525.00	-85.98	1.23	0.02	-70.80	-9.37e-03	-2.42e-04
2	143	583.33	-83.99	1.23	0.02	-72.31	3.45e-04	1.32e-04
2	143	641.67	-82.17	1.24	4.54e-03	-73.98	2.99e-03	4.32e-04
2	143	700.00	-77.50	0.91	-0.01	-71.56	-3.20e-03	6.62e-04
2	145	350.00	-126.41	2.61	-0.09	-135.23	0.0	-4.11e-03
2	145	408.33	-126.41	2.61	-0.09	-136.76	-0.05	-3.72e-03
2	145	466.67	-123.68	2.64	8.66e-03	-139.17	-0.04	-2.57e-03
2	145	525.00	-122.12	2.66	0.04	-141.87	-0.02	-1.47e-03
2	145	583.33	-121.00	2.67	0.03	-144.75	-6.10e-03	-5.29e-04
2	145	641.67	-120.19	2.68	0.01	-147.71	1.11e-03	3.91e-04
2	145	700.00	-116.00	1.01	-0.02	-139.41	-4.59e-03	1.72e-03
2	146	350.00	-138.60	2.67	-0.09	-143.01	0.0	-3.85e-03
2	146	408.33	-138.60	2.67	-0.09	-144.58	-0.05	-3.44e-03
2	146	466.67	-135.88	2.70	0.01	-147.03	-0.04	-2.29e-03
2	146	525.00	-134.41	2.72	0.04	-149.78	-0.02	-1.22e-03
2	146	583.33	-133.39	2.73	0.03	-152.74	-3.25e-03	-3.15e-04
2	146	641.67	-132.70	2.75	0.01	-155.82	2.79e-03	5.38e-04
2	146	700.00	-128.06	1.20	-0.02	-147.60	-6.46e-03	1.59e-03
2	149	350.00	-140.26	2.31	-0.07	-130.45	0.0	-2.78e-03
2	149	408.33	-140.26	2.31	-0.07	-131.80	-0.04	-2.42e-03
2	149	466.67	-137.46	2.34	0.01	-133.95	-0.04	-1.47e-03
2	149	525.00	-135.85	2.36	0.04	-136.36	-0.01	-5.95e-04
2	149	583.33	-134.68	2.36	0.03	-139.00	1.54e-03	9.77e-05
2	149	641.67	-133.80	2.38	5.98e-03	-141.82	5.03e-03	6.99e-04
2	149	700.00	-128.56	1.37	-0.03	-135.43	-7.93e-03	1.14e-03
2	150	350.00	-91.28	1.20	-0.05	-67.42	0.0	-1.42e-03
2	150	408.33	-91.28	1.20	-0.05	-68.12	-0.03	-1.24e-03
2	150	466.67	-88.25	1.22	7.92e-03	-69.43	-0.02	-7.17e-04
2	150	525.00	-85.98	1.23	0.02	-70.80	-9.37e-03	-2.42e-04
2	150	583.33	-83.99	1.23	0.02	-72.31	3.45e-04	1.32e-04
2	150	641.67	-82.17	1.24	4.54e-03	-73.98	2.99e-03	4.32e-04
2	150	700.00	-77.50	0.91	-0.01	-71.56	-3.20e-03	6.62e-04
2	151	350.00	-115.87	2.19	-0.07	-114.89	0.0	-3.30e-03
2	151	408.33	-115.87	2.19	-0.07	-116.17	-0.04	-2.98e-03
2	151	466.67	-113.05	2.22	8.44e-03	-118.25	-0.04	-2.01e-03

2	151	525.00	-111.28	2.23	0.03	-120.55	-0.02	-1.10e-03
2	151	583.33	-109.90	2.24	0.03	-123.02	-4.17e-03	-3.31e-04
2	151	641.67	-108.79	2.25	0.01	-125.59	1.67e-03	4.03e-04
2	151	700.00	-104.45	0.98	-0.02	-119.05	-4.17e-03	1.40e-03
2	154	350.00	-117.23	2.07	-0.07	-111.22	0.0	-2.93e-03
2	154	408.33	-117.23	2.07	-0.07	-112.43	-0.04	-2.62e-03
2	154	466.67	-114.39	2.10	9.35e-03	-114.42	-0.04	-1.72e-03
2	154	525.00	-112.58	2.12	0.03	-116.60	-0.02	-8.77e-04
2	154	583.33	-111.15	2.12	0.03	-118.97	-2.38e-03	-1.79e-04
2	154	641.67	-109.99	2.13	8.43e-03	-121.46	2.53e-03	4.66e-04
2	154	700.00	-105.42	1.05	-0.02	-115.55	-4.78e-03	1.24e-03
2	155	350.00	-91.28	1.20	-0.05	-67.42	0.0	-1.42e-03
2	155	408.33	-91.28	1.20	-0.05	-68.12	-0.03	-1.24e-03
2	155	466.67	-88.25	1.22	7.92e-03	-69.43	-0.02	-7.17e-04
2	155	525.00	-85.98	1.23	0.02	-70.80	-9.37e-03	-2.42e-04
2	155	583.33	-83.99	1.23	0.02	-72.31	3.45e-04	1.32e-04
2	155	641.67	-82.17	1.24	4.54e-03	-73.98	2.99e-03	4.32e-04
2	155	700.00	-77.50	0.91	-0.01	-71.56	-3.20e-03	6.62e-04
2	156	350.00	-112.35	2.05	-0.07	-108.11	0.0	-3.04e-03
2	156	408.33	-112.35	2.05	-0.07	-109.30	-0.04	-2.73e-03
2	156	466.67	-109.51	2.07	8.36e-03	-111.28	-0.04	-1.83e-03
2	156	525.00	-107.67	2.09	0.03	-113.44	-0.02	-9.79e-04
2	156	583.33	-106.20	2.09	0.03	-115.77	-3.52e-03	-2.65e-04
2	156	641.67	-104.98	2.11	9.23e-03	-118.22	1.86e-03	4.07e-04
2	156	700.00	-100.60	0.97	-0.02	-112.27	-4.03e-03	1.30e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-405.15	-63.57	-2.27	-746.69	-2.21	-0.60
	180.44	107.59	2.24	666.05	2.20	0.56

Macro	Tipo	Angolo 1-Z (gradi)
3	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
3	4	0.0	-332.60	-6.30	0.0	38.33	0.0	6.73e-06
3	4	58.33	-332.41	-6.29	0.0	42.14	0.0	8.90e-06
3	4	58.33	-332.41	-6.29	0.0	42.14	0.0	8.90e-06
3	4	116.67	-329.78	-6.30	0.0	45.68	0.0	8.40e-06
3	4	116.67	-329.78	-6.30	0.0	45.68	0.0	8.40e-06
3	4	175.00	-326.96	-6.30	0.0	49.36	0.0	8.82e-06
3	4	233.33	-324.05	-6.34	0.0	53.12	0.0	1.03e-05
3	4	233.33	-324.05	-6.34	0.0	53.12	0.0	1.03e-05
3	4	291.67	-321.32	-6.30	0.0	56.71	0.0	1.38e-05
3	4	291.67	-321.32	-6.30	0.0	56.71	0.0	1.38e-05
3	4	350.00	-318.49	-6.30	0.0	60.38	0.0	2.02e-05
3	5	0.0	-116.01	-2.15	0.0	10.84	0.0	2.14e-06
3	5	58.33	-115.87	-2.15	0.0	12.20	0.0	2.84e-06
3	5	58.33	-115.87	-2.15	0.0	12.20	0.0	2.84e-06
3	5	116.67	-113.84	-2.15	0.0	13.35	0.0	2.68e-06
3	5	116.67	-113.84	-2.15	0.0	13.35	0.0	2.68e-06
3	5	175.00	-111.67	-2.15	0.0	14.60	0.0	2.82e-06
3	5	233.33	-109.40	-2.16	0.0	15.94	0.0	3.30e-06
3	5	233.33	-109.40	-2.16	0.0	15.94	0.0	3.30e-06
3	5	291.67	-107.33	-2.15	0.0	17.11	0.0	4.43e-06
3	5	291.67	-107.33	-2.15	0.0	17.11	0.0	4.43e-06
3	5	350.00	-105.16	-2.15	0.0	18.36	0.0	6.57e-06
3	25	0.0	-242.30	-77.09	-0.58	-127.25	-0.16	0.19
3	25	58.33	-241.97	-77.37	-0.57	-124.99	-0.17	0.19
3	25	58.33	-241.97	-77.37	-0.57	-124.99	-0.17	0.19
3	25	116.67	-229.10	-77.09	-0.48	-85.80	-0.43	0.20
3	25	116.67	-229.10	-77.09	-0.48	-85.80	-0.43	0.20
3	25	175.00	-245.82	-77.10	-0.26	-1.33	-0.62	0.20
3	25	233.33	-240.72	-77.62	0.13	39.98	-0.67	0.19
3	25	233.33	-240.72	-77.62	0.13	39.98	-0.67	0.19
3	25	291.67	-232.03	-77.30	0.43	68.36	-0.54	0.19
3	25	291.67	-232.03	-77.30	0.43	68.36	-0.54	0.19
3	25	350.00	-234.81	-77.54	0.75	118.35	-0.22	0.19
3	28	0.0	-123.20	71.58	0.57	170.89	0.16	-0.17
3	28	58.33	-123.25	71.89	0.57	172.85	0.18	-0.17
3	28	58.33	-123.25	71.89	0.57	172.85	0.18	-0.17
3	28	116.67	-132.92	71.58	0.48	138.07	0.44	-0.18

3	28	116.67	-132.92	71.58	0.48	138.07	0.44	-0.18
3	28	175.00	-110.91	71.60	0.26	54.76	0.63	-0.18
3	28	233.33	-111.51	72.11	-0.13	16.74	0.66	-0.17
3	28	233.33	-111.51	72.11	-0.13	16.74	0.66	-0.17
3	28	291.67	-116.25	71.81	-0.43	-8.16	0.55	-0.17
3	28	291.67	-116.25	71.81	-0.43	-8.16	0.55	-0.17
3	28	350.00	-108.87	72.06	-0.77	-55.46	0.22	-0.17
3	29	0.0	-244.32	-78.47	-0.57	-128.66	-0.16	0.17
3	29	58.33	-243.99	-78.76	-0.57	-126.40	-0.18	0.17
3	29	58.33	-243.99	-78.76	-0.57	-126.40	-0.18	0.17
3	29	116.67	-230.26	-78.47	-0.48	-87.80	-0.44	0.18
3	29	116.67	-230.26	-78.47	-0.48	-87.80	-0.44	0.18
3	29	175.00	-247.93	-78.49	-0.26	-0.48	-0.63	0.18
3	29	233.33	-242.81	-79.03	0.13	41.71	-0.66	0.17
3	29	233.33	-242.81	-79.03	0.13	41.71	-0.66	0.17
3	29	291.67	-233.91	-78.70	0.43	70.48	-0.55	0.17
3	29	291.67	-233.91	-78.70	0.43	70.48	-0.55	0.17
3	29	350.00	-236.95	-78.95	0.77	121.80	-0.22	0.17
3	57	0.0	-232.01	-66.82	-0.59	-110.07	-0.16	0.16
3	57	58.33	-231.71	-67.06	-0.59	-107.83	-0.18	0.16
3	57	58.33	-231.71	-67.06	-0.59	-107.83	-0.18	0.16
3	57	116.67	-219.36	-66.83	-0.49	-73.15	-0.45	0.17
3	57	116.67	-219.36	-66.83	-0.49	-73.15	-0.45	0.17
3	57	175.00	-239.42	-66.87	-0.27	12.25	-0.65	0.16
3	57	233.33	-234.06	-67.37	0.13	46.19	-0.71	0.16
3	57	233.33	-234.06	-67.37	0.13	46.19	-0.71	0.16
3	57	291.67	-223.61	-67.21	0.44	65.10	-0.57	0.16
3	57	291.67	-223.61	-67.21	0.44	65.10	-0.57	0.16
3	57	350.00	-227.20	-67.58	0.78	109.14	-0.23	0.15
3	61	0.0	-233.88	-68.15	-0.59	-111.57	-0.17	0.14
3	61	58.33	-233.57	-68.40	-0.58	-109.33	-0.19	0.14
3	61	58.33	-233.57	-68.40	-0.58	-109.33	-0.19	0.14
3	61	116.67	-220.45	-68.16	-0.49	-75.09	-0.46	0.14
3	61	116.67	-220.45	-68.16	-0.49	-75.09	-0.46	0.14
3	61	175.00	-241.41	-68.21	-0.26	13.01	-0.65	0.14
3	61	233.33	-236.03	-68.73	0.13	47.80	-0.69	0.14
3	61	233.33	-236.03	-68.73	0.13	47.80	-0.69	0.14
3	61	291.67	-225.38	-68.56	0.44	67.08	-0.58	0.14
3	61	291.67	-225.38	-68.56	0.44	67.08	-0.58	0.14
3	61	350.00	-229.21	-68.94	0.79	112.40	-0.23	0.13
3	76	0.0	-129.82	61.86	0.17	139.76	0.06	-8.42e-03
3	76	58.33	-129.82	62.10	0.17	141.75	0.07	-8.53e-03
3	76	58.33	-129.82	62.10	0.17	141.75	0.07	-8.53e-03
3	76	116.67	-139.50	61.83	0.14	117.68	0.16	-9.19e-03
3	76	116.67	-139.50	61.83	0.14	117.68	0.16	-9.19e-03
3	76	175.00	-117.81	61.77	0.07	40.69	0.20	-9.69e-03
3	76	233.33	-117.67	62.02	-0.04	7.31	0.18	-0.01
3	76	233.33	-117.67	62.02	-0.04	7.31	0.18	-0.01
3	76	291.67	-121.73	61.67	-0.15	-13.99	0.18	-0.01
3	76	291.67	-121.73	61.67	-0.15	-13.99	0.18	-0.01
3	76	350.00	-114.67	61.66	-0.23	-55.59	0.07	-0.01
3	77	0.0	-237.71	-68.75	-0.17	-97.53	-0.06	8.43e-03
3	77	58.33	-237.41	-68.98	-0.17	-95.30	-0.07	8.53e-03
3	77	58.33	-237.41	-68.98	-0.17	-95.30	-0.07	8.53e-03
3	77	116.67	-223.68	-68.72	-0.14	-67.41	-0.16	9.20e-03
3	77	116.67	-223.68	-68.72	-0.14	-67.41	-0.16	9.20e-03
3	77	175.00	-241.03	-68.66	-0.07	13.60	-0.20	9.70e-03
3	77	233.33	-236.65	-68.94	0.04	51.14	-0.18	0.01
3	77	233.33	-236.65	-68.94	0.04	51.14	-0.18	0.01
3	77	291.67	-228.43	-68.55	0.15	76.31	-0.18	0.01
3	77	291.67	-228.43	-68.55	0.15	76.31	-0.18	0.01
3	77	350.00	-231.15	-68.55	0.23	121.93	-0.07	0.01
3	89	0.0	-225.70	-58.80	-0.53	-93.85	-0.15	0.14
3	89	58.33	-225.42	-59.01	-0.52	-91.62	-0.16	0.14
3	89	58.33	-225.42	-59.01	-0.52	-91.62	-0.16	0.14
3	89	116.67	-214.24	-58.81	-0.44	-61.01	-0.40	0.15
3	89	116.67	-214.24	-58.81	-0.44	-61.01	-0.40	0.15
3	89	175.00	-232.22	-58.85	-0.24	15.36	-0.58	0.14
3	89	233.33	-227.18	-59.29	0.12	45.06	-0.63	0.14
3	89	233.33	-227.18	-59.29	0.12	45.06	-0.63	0.14
3	89	291.67	-217.48	-59.17	0.39	61.14	-0.51	0.14
3	89	291.67	-217.48	-59.17	0.39	61.14	-0.51	0.14
3	89	350.00	-220.53	-59.51	0.69	99.97	-0.21	0.13
3	108	0.0	-136.06	54.50	0.15	126.65	0.05	-6.46e-03
3	108	58.33	-136.05	54.71	0.15	128.66	0.06	-6.55e-03

3	108	58.33	-136.05	54.71	0.15	128.66	0.06	-6.55e-03
3	108	116.67	-144.44	54.47	0.12	107.41	0.14	-7.10e-03
3	108	116.67	-144.44	54.47	0.12	107.41	0.14	-7.10e-03
3	108	175.00	-124.61	54.42	0.06	38.64	0.18	-7.57e-03
3	108	233.33	-124.27	54.64	-0.04	9.36	0.16	-8.20e-03
3	108	233.33	-124.27	54.64	-0.04	9.36	0.16	-8.20e-03
3	108	291.67	-127.79	54.33	-0.13	-9.01	0.16	-8.83e-03
3	108	291.67	-127.79	54.33	-0.13	-9.01	0.16	-8.83e-03
3	108	350.00	-121.20	54.34	-0.21	-45.75	0.06	-8.79e-03
3	109	0.0	-231.46	-61.39	-0.15	-84.42	-0.05	6.47e-03
3	109	58.33	-231.19	-61.59	-0.15	-82.20	-0.06	6.56e-03
3	109	58.33	-231.19	-61.59	-0.15	-82.20	-0.06	6.56e-03
3	109	116.67	-218.74	-61.36	-0.12	-57.15	-0.14	7.11e-03
3	109	116.67	-218.74	-61.36	-0.12	-57.15	-0.14	7.11e-03
3	109	175.00	-234.23	-61.31	-0.06	15.65	-0.18	7.58e-03
3	109	233.33	-230.05	-61.57	0.04	49.10	-0.16	8.21e-03
3	109	233.33	-230.05	-61.57	0.04	49.10	-0.16	8.21e-03
3	109	291.67	-222.37	-61.22	0.13	71.32	-0.16	8.84e-03
3	109	291.67	-222.37	-61.22	0.13	71.32	-0.16	8.84e-03
3	109	350.00	-224.62	-61.23	0.21	112.08	-0.06	8.81e-03
3	121	0.0	-257.73	-95.31	-0.69	-162.48	-0.19	0.24
3	121	58.33	-257.36	-95.67	-0.68	-160.18	-0.20	0.24
3	121	58.33	-257.36	-95.67	-0.68	-160.18	-0.20	0.24
3	121	116.67	-242.24	-95.31	-0.57	-111.87	-0.51	0.25
3	121	116.67	-242.24	-95.31	-0.57	-111.87	-0.51	0.25
3	121	175.00	-261.24	-95.32	-0.31	-11.98	-0.73	0.25
3	121	233.33	-255.72	-95.95	0.16	39.84	-0.79	0.24
3	121	233.33	-255.72	-95.95	0.16	39.84	-0.79	0.24
3	121	291.67	-246.48	-95.50	0.51	77.09	-0.64	0.24
3	121	291.67	-246.48	-95.50	0.51	77.09	-0.64	0.24
3	121	350.00	-249.89	-95.74	0.89	138.63	-0.26	0.23
3	124	0.0	-107.36	90.10	0.68	206.42	0.19	-0.22
3	124	58.33	-107.45	90.48	0.67	208.34	0.21	-0.22
3	124	58.33	-107.45	90.48	0.67	208.34	0.21	-0.22
3	124	116.67	-119.54	90.10	0.56	164.54	0.52	-0.23
3	124	116.67	-119.54	90.10	0.56	164.54	0.52	-0.23
3	124	175.00	-95.08	90.11	0.30	65.28	0.74	-0.22
3	124	233.33	-96.10	90.73	-0.16	16.55	0.78	-0.22
3	124	233.33	-96.10	90.73	-0.16	16.55	0.78	-0.22
3	124	291.67	-101.42	90.30	-0.51	-17.30	0.65	-0.22
3	124	291.67	-101.42	90.30	-0.51	-17.30	0.65	-0.22
3	124	350.00	-93.36	90.55	-0.90	-76.41	0.26	-0.21
3	125	0.0	-260.17	-96.98	-0.68	-164.19	-0.19	0.22
3	125	58.33	-259.79	-97.36	-0.67	-161.89	-0.21	0.22
3	125	58.33	-259.79	-97.36	-0.67	-161.89	-0.21	0.22
3	125	116.67	-243.64	-96.98	-0.56	-114.28	-0.52	0.23
3	125	116.67	-243.64	-96.98	-0.56	-114.28	-0.52	0.23
3	125	175.00	-263.76	-97.00	-0.30	-10.99	-0.74	0.22
3	125	233.33	-258.23	-97.65	0.16	41.90	-0.78	0.22
3	125	233.33	-258.23	-97.65	0.16	41.90	-0.78	0.22
3	125	291.67	-248.74	-97.19	0.51	79.62	-0.65	0.22
3	125	291.67	-248.74	-97.19	0.51	79.62	-0.65	0.22
3	125	350.00	-252.46	-97.44	0.90	142.75	-0.26	0.21
3	143	0.0	-124.19	-2.31	0.0	11.74	0.0	2.32e-06
3	143	58.33	-124.05	-2.31	0.0	13.19	0.0	3.07e-06
3	143	58.33	-124.05	-2.31	0.0	13.19	0.0	3.07e-06
3	143	116.67	-122.02	-2.31	0.0	14.43	0.0	2.90e-06
3	143	116.67	-122.02	-2.31	0.0	14.43	0.0	2.90e-06
3	143	175.00	-119.85	-2.31	0.0	15.78	0.0	3.05e-06
3	143	233.33	-117.58	-2.32	0.0	17.21	0.0	3.57e-06
3	143	233.33	-117.58	-2.32	0.0	17.21	0.0	3.57e-06
3	143	291.67	-115.51	-2.31	0.0	18.47	0.0	4.79e-06
3	143	291.67	-115.51	-2.31	0.0	18.47	0.0	4.79e-06
3	143	350.00	-113.34	-2.31	0.0	19.82	0.0	7.10e-06
3	146	0.0	-232.84	-4.40	0.0	26.52	0.0	4.68e-06
3	146	58.33	-232.70	-4.40	0.0	29.19	0.0	6.19e-06
3	146	58.33	-232.70	-4.40	0.0	29.19	0.0	6.19e-06
3	146	116.67	-230.67	-4.40	0.0	31.65	0.0	5.84e-06
3	146	116.67	-230.67	-4.40	0.0	31.65	0.0	5.84e-06
3	146	175.00	-228.50	-4.40	0.0	34.22	0.0	6.14e-06
3	146	233.33	-226.25	-4.43	0.0	36.86	0.0	7.18e-06
3	146	233.33	-226.25	-4.43	0.0	36.86	0.0	7.18e-06
3	146	291.67	-224.16	-4.40	0.0	39.36	0.0	9.58e-06
3	146	291.67	-224.16	-4.40	0.0	39.36	0.0	9.58e-06
3	146	350.00	-221.99	-4.40	0.0	41.93	0.0	1.40e-05

3	150	0.0	-124.19	-2.31	0.0	11.74	0.0	2.32e-06
3	150	58.33	-124.05	-2.31	0.0	13.19	0.0	3.07e-06
3	150	58.33	-124.05	-2.31	0.0	13.19	0.0	3.07e-06
3	150	116.67	-122.02	-2.31	0.0	14.43	0.0	2.90e-06
3	150	116.67	-122.02	-2.31	0.0	14.43	0.0	2.90e-06
3	150	175.00	-119.85	-2.31	0.0	15.78	0.0	3.05e-06
3	150	233.33	-117.58	-2.32	0.0	17.21	0.0	3.57e-06
3	150	233.33	-117.58	-2.32	0.0	17.21	0.0	3.57e-06
3	150	291.67	-115.51	-2.31	0.0	18.47	0.0	4.79e-06
3	150	291.67	-115.51	-2.31	0.0	18.47	0.0	4.79e-06
3	150	350.00	-113.34	-2.31	0.0	19.82	0.0	7.10e-06
3	151	0.0	-193.69	-3.63	0.0	22.68	0.0	3.84e-06
3	151	58.33	-193.55	-3.63	0.0	24.90	0.0	5.08e-06
3	151	58.33	-193.55	-3.63	0.0	24.90	0.0	5.08e-06
3	151	116.67	-191.52	-3.63	0.0	26.92	0.0	4.79e-06
3	151	116.67	-191.52	-3.63	0.0	26.92	0.0	4.79e-06
3	151	175.00	-189.35	-3.63	0.0	29.04	0.0	5.03e-06
3	151	233.33	-187.09	-3.65	0.0	31.23	0.0	5.89e-06
3	151	233.33	-187.09	-3.65	0.0	31.23	0.0	5.89e-06
3	151	291.67	-185.01	-3.63	0.0	33.27	0.0	7.86e-06
3	151	291.67	-185.01	-3.63	0.0	33.27	0.0	7.86e-06
3	151	350.00	-182.84	-3.63	0.0	35.39	0.0	1.15e-05
3	155	0.0	-124.19	-2.31	0.0	11.74	0.0	2.32e-06
3	155	58.33	-124.05	-2.31	0.0	13.19	0.0	3.07e-06
3	155	58.33	-124.05	-2.31	0.0	13.19	0.0	3.07e-06
3	155	116.67	-122.02	-2.31	0.0	14.43	0.0	2.90e-06
3	155	116.67	-122.02	-2.31	0.0	14.43	0.0	2.90e-06
3	155	175.00	-119.85	-2.31	0.0	15.78	0.0	3.05e-06
3	155	233.33	-117.58	-2.32	0.0	17.21	0.0	3.57e-06
3	155	233.33	-117.58	-2.32	0.0	17.21	0.0	3.57e-06
3	155	291.67	-115.51	-2.31	0.0	18.47	0.0	4.79e-06
3	155	291.67	-115.51	-2.31	0.0	18.47	0.0	4.79e-06
3	155	350.00	-113.34	-2.31	0.0	19.82	0.0	7.10e-06
3	156	0.0	-183.76	-3.44	0.0	21.12	0.0	3.62e-06
3	156	58.33	-183.62	-3.44	0.0	23.23	0.0	4.79e-06
3	156	58.33	-183.62	-3.44	0.0	23.23	0.0	4.79e-06
3	156	116.67	-181.59	-3.44	0.0	25.13	0.0	4.52e-06
3	156	116.67	-181.59	-3.44	0.0	25.13	0.0	4.52e-06
3	156	175.00	-179.42	-3.44	0.0	27.14	0.0	4.75e-06
3	156	233.33	-177.16	-3.46	0.0	29.23	0.0	5.56e-06
3	156	233.33	-177.16	-3.46	0.0	29.23	0.0	5.56e-06
3	156	291.67	-175.08	-3.44	0.0	31.16	0.0	7.42e-06
3	156	291.67	-175.08	-3.44	0.0	31.16	0.0	7.42e-06
3	156	350.00	-172.91	-3.44	0.0	33.17	0.0	1.09e-05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-332.60	-97.65	-0.90	-164.19	-0.79	-0.23
	-93.36	90.73	0.90	208.34	0.78	0.25

Macro	Tipo	Angolo 1-Z (gradi)
4	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
4	4	0.0	-232.34	6.21	0.18	-152.37	0.0	-0.01
4	4	58.33	-232.34	6.21	0.18	-155.99	0.11	-0.01
4	4	116.67	-227.14	6.24	0.10	-152.09	0.17	-7.92e-03
4	4	175.00	-223.81	6.26	0.07	-151.54	0.21	-2.14e-03
4	4	233.33	-221.26	6.27	0.03	-152.80	0.23	5.18e-03
4	4	291.67	-218.70	6.32	-0.07	-155.02	0.19	0.01
4	4	350.00	-205.37	6.55	-0.32	-154.01	2.14e-04	0.02
4	5	0.0	-94.87	2.12	0.06	-53.91	0.0	-3.58e-03
4	5	58.33	-94.87	2.12	0.06	-55.15	0.04	-4.30e-03
4	5	116.67	-92.05	2.13	0.03	-53.17	0.06	-2.78e-03
4	5	175.00	-89.91	2.13	0.02	-52.61	0.07	-7.90e-04
4	5	233.33	-88.03	2.14	0.01	-52.80	0.07	1.75e-03
4	5	291.67	-86.15	2.15	-0.02	-53.41	0.06	4.33e-03
4	5	350.00	-79.66	2.24	-0.11	-54.09	-1.79e-05	5.38e-03
4	19	0.0	304.24	-42.82	-5.25	-254.60	-1.56	-0.10
4	19	58.33	304.24	-42.82	-5.25	-256.58	-1.51	-0.10
4	19	116.67	287.48	-42.69	-1.80	-233.23	-3.62	-0.11
4	19	175.00	266.87	-42.26	0.12	-214.98	-4.15	-0.14

4	19	233.33	244.30	-41.80	1.30	-199.02	-3.76	-0.16
4	19	291.67	223.30	-42.07	2.36	-181.00	-2.74	-0.18
4	19	350.00	196.42	-41.99	3.33	-175.19	-1.04	-0.17
4	22	0.0	-572.44	49.61	5.45	86.59	1.56	0.09
4	22	58.33	-572.44	49.61	5.45	84.61	1.62	0.09
4	22	116.67	-548.94	49.51	1.92	66.12	3.80	0.10
4	22	175.00	-523.66	49.10	-0.05	48.83	4.37	0.13
4	22	233.33	-497.27	48.65	-1.27	31.71	4.01	0.17
4	22	291.67	-472.44	48.98	-2.43	11.41	2.94	0.19
4	22	350.00	-429.08	49.15	-3.68	5.71	1.04	0.19
4	26	0.0	-532.28	57.94	5.01	102.15	1.43	0.10
4	26	58.33	-532.28	57.94	5.01	100.18	1.49	0.09
4	26	116.67	-520.88	57.90	1.90	64.53	3.49	0.10
4	26	175.00	-493.85	58.11	-0.02	53.57	4.04	0.14
4	26	233.33	-469.83	58.37	-1.14	36.19	3.72	0.17
4	26	291.67	-448.94	58.56	-2.22	13.05	2.73	0.20
4	26	350.00	-409.69	58.62	-3.43	4.08	0.96	0.19
4	30	0.0	-536.29	56.85	5.08	100.09	1.46	0.11
4	30	58.33	-536.29	56.85	5.08	98.12	1.52	0.10
4	30	116.67	-524.63	56.80	1.91	62.35	3.54	0.12
4	30	175.00	-497.12	57.01	-0.04	51.53	4.07	0.15
4	30	233.33	-472.50	57.27	-1.18	34.37	3.74	0.19
4	30	291.67	-450.17	57.46	-2.26	12.91	2.74	0.22
4	30	350.00	-411.09	57.52	-3.44	3.52	0.97	0.21
4	51	0.0	239.67	-37.95	-4.47	-235.66	-1.34	-0.09
4	51	58.33	239.67	-37.95	-4.47	-237.63	-1.28	-0.09
4	51	116.67	225.86	-37.89	-1.52	-216.23	-3.07	-0.09
4	51	175.00	208.62	-37.44	0.14	-199.94	-3.51	-0.12
4	51	233.33	189.86	-36.95	1.13	-185.91	-3.19	-0.14
4	51	291.67	173.41	-37.18	2.01	-169.47	-2.32	-0.15
4	51	350.00	152.64	-37.12	2.81	-162.40	-0.89	-0.15
4	54	0.0	-507.87	44.74	4.67	67.64	1.34	0.08
4	54	58.33	-507.87	44.74	4.67	65.66	1.40	0.08
4	54	116.67	-487.32	44.71	1.63	49.12	3.26	0.08
4	54	175.00	-465.41	44.27	-0.07	33.78	3.74	0.12
4	54	233.33	-442.83	43.80	-1.10	18.60	3.43	0.15
4	54	291.67	-422.54	44.09	-2.08	-0.12	2.52	0.17
4	54	350.00	-385.30	44.28	-3.16	-7.08	0.89	0.17
4	62	0.0	-457.02	49.81	4.13	74.86	1.18	0.09
4	62	58.33	-457.02	49.81	4.13	72.89	1.24	0.08
4	62	116.67	-450.80	49.86	1.56	36.58	2.88	0.10
4	62	175.00	-426.88	50.14	-0.07	29.19	3.31	0.13
4	62	233.33	-406.38	50.42	-0.97	15.47	3.03	0.16
4	62	291.67	-389.29	50.59	-1.84	-3.37	2.23	0.18
4	62	350.00	-357.64	50.63	-2.81	-13.93	0.78	0.17
4	70	0.0	-224.29	52.77	1.27	81.74	0.34	5.66e-03
4	70	58.33	-224.29	52.77	1.27	79.76	0.40	6.88e-04
4	70	116.67	-225.27	52.69	0.48	53.42	0.91	-4.98e-03
4	70	175.00	-220.93	52.67	0.02	36.23	1.06	5.70e-03
4	70	233.33	-217.40	52.62	-0.24	17.88	0.99	0.02
4	70	291.67	-223.31	52.50	-0.57	-15.67	0.72	0.03
4	70	350.00	-206.07	52.37	-0.92	-25.21	0.22	0.02
4	83	0.0	190.94	-32.80	-3.87	-216.66	-1.16	-0.08
4	83	58.33	190.94	-32.80	-3.87	-218.63	-1.10	-0.08
4	83	116.67	179.36	-32.75	-1.31	-199.56	-2.66	-0.08
4	83	175.00	164.67	-32.35	0.13	-185.25	-3.04	-0.10
4	83	233.33	148.63	-31.91	0.99	-173.07	-2.75	-0.12
4	83	291.67	134.75	-32.11	1.74	-158.76	-2.00	-0.13
4	83	350.00	117.89	-32.04	2.42	-152.30	-0.77	-0.13
4	86	0.0	-459.14	39.59	4.07	48.64	1.16	0.07
4	86	58.33	-459.14	39.59	4.07	46.66	1.22	0.07
4	86	116.67	-440.82	39.57	1.43	32.45	2.84	0.07
4	86	175.00	-421.45	39.19	-0.06	19.09	3.27	0.10
4	86	233.33	-401.60	38.76	-0.96	5.76	3.00	0.13
4	86	291.67	-383.88	39.01	-1.82	-10.83	2.21	0.15
4	86	350.00	-350.55	39.20	-2.77	-17.17	0.77	0.15
4	94	0.0	-413.72	43.98	3.59	54.77	1.02	0.08
4	94	58.33	-413.72	43.98	3.59	52.80	1.08	0.07
4	94	116.67	-408.27	44.03	1.36	20.83	2.51	0.09
4	94	175.00	-387.12	44.29	-0.06	14.57	2.88	0.11
4	94	233.33	-369.06	44.54	-0.84	2.65	2.64	0.14
4	94	291.67	-354.17	44.69	-1.60	-13.97	1.95	0.16
4	94	350.00	-325.79	44.73	-2.46	-23.44	0.68	0.15
4	102	0.0	-212.02	47.23	1.12	63.06	0.30	3.78e-03
4	102	58.33	-212.02	47.23	1.12	61.09	0.36	-7.85e-04

4	102	116.67	-212.67	47.16	0.43	37.84	0.80	-5.57e-03
4	102	175.00	-208.68	47.15	0.02	22.63	0.94	4.10e-03
4	102	233.33	-205.45	47.10	-0.20	6.30	0.87	0.01
4	102	291.67	-210.71	46.99	-0.50	-23.73	0.64	0.02
4	102	350.00	-194.71	46.89	-0.82	-32.32	0.19	0.02
4	115	0.0	411.52	-53.29	-6.55	-293.65	-1.95	-0.13
4	115	58.33	411.52	-53.29	-6.55	-295.63	-1.89	-0.13
4	115	116.67	389.82	-53.11	-2.26	-267.65	-4.52	-0.13
4	115	175.00	363.59	-52.62	0.13	-245.35	-5.19	-0.17
4	115	233.33	334.94	-52.08	1.61	-225.58	-4.72	-0.20
4	115	291.67	307.92	-52.41	2.94	-203.38	-3.44	-0.22
4	115	350.00	272.12	-52.34	4.19	-196.93	-1.29	-0.22
4	118	0.0	-679.72	60.07	6.76	125.64	1.95	0.11
4	118	58.33	-679.72	60.07	6.76	123.66	2.01	0.11
4	118	116.67	-651.28	59.93	2.38	100.54	4.71	0.12
4	118	175.00	-620.37	59.45	-0.05	79.19	5.41	0.16
4	118	233.33	-587.91	58.93	-1.58	58.28	4.96	0.21
4	118	291.67	-557.06	59.32	-3.01	33.79	3.64	0.24
4	118	350.00	-504.78	59.49	-4.54	27.46	1.29	0.24
4	122	0.0	-641.67	71.22	6.34	147.82	1.82	0.12
4	122	58.33	-641.67	71.22	6.34	145.84	1.88	0.12
4	122	116.67	-626.25	71.13	2.40	103.47	4.41	0.13
4	122	175.00	-593.13	71.34	-0.02	88.70	5.11	0.18
4	122	233.33	-563.15	71.63	-1.45	66.73	4.70	0.22
4	122	291.67	-536.46	71.85	-2.82	38.37	3.45	0.25
4	122	350.00	-488.12	71.90	-4.32	28.22	1.23	0.24
4	126	0.0	-646.43	69.90	6.43	145.34	1.85	0.14
4	126	58.33	-646.43	69.90	6.43	143.37	1.91	0.13
4	126	116.67	-630.70	69.80	2.41	100.86	4.48	0.15
4	126	175.00	-596.99	70.02	-0.05	86.25	5.15	0.19
4	126	233.33	-566.30	70.30	-1.50	64.56	4.72	0.24
4	126	291.67	-537.89	70.52	-2.87	38.20	3.46	0.27
4	126	350.00	-489.76	70.57	-4.34	27.55	1.23	0.26
4	143	0.0	-99.99	2.27	0.07	-57.70	0.0	-3.85e-03
4	143	58.33	-99.99	2.27	0.07	-59.03	0.04	-4.62e-03
4	143	116.67	-97.10	2.29	0.04	-56.99	0.06	-2.98e-03
4	143	175.00	-94.93	2.29	0.02	-56.43	0.07	-8.41e-04
4	143	233.33	-93.04	2.30	0.01	-56.67	0.08	1.88e-03
4	143	291.67	-91.16	2.31	-0.02	-57.34	0.07	4.65e-03
4	143	350.00	-84.43	2.40	-0.11	-57.93	-8.97e-06	5.77e-03
4	146	0.0	-164.82	4.34	0.13	-106.74	0.0	-7.30e-03
4	146	58.33	-164.82	4.34	0.13	-109.27	0.07	-8.74e-03
4	146	116.67	-161.01	4.36	0.07	-106.45	0.12	-5.54e-03
4	146	175.00	-158.52	4.37	0.05	-106.01	0.14	-1.50e-03
4	146	233.33	-156.57	4.38	0.02	-106.85	0.16	3.61e-03
4	146	291.67	-154.61	4.41	-0.05	-108.37	0.13	8.80e-03
4	146	350.00	-144.99	4.57	-0.23	-107.83	1.36e-04	0.01
4	150	0.0	-99.99	2.27	0.07	-57.70	0.0	-3.85e-03
4	150	58.33	-99.99	2.27	0.07	-59.03	0.04	-4.62e-03
4	150	116.67	-97.10	2.29	0.04	-56.99	0.06	-2.98e-03
4	150	175.00	-94.93	2.29	0.02	-56.43	0.07	-8.41e-04
4	150	233.33	-93.04	2.30	0.01	-56.67	0.08	1.88e-03
4	150	291.67	-91.16	2.31	-0.02	-57.34	0.07	4.65e-03
4	150	350.00	-84.43	2.40	-0.11	-57.93	-8.97e-06	5.77e-03
4	151	0.0	-139.79	3.58	0.11	-88.39	0.0	-6.01e-03
4	151	58.33	-139.79	3.58	0.11	-90.48	0.06	-7.20e-03
4	151	116.67	-136.34	3.60	0.06	-87.98	0.10	-4.58e-03
4	151	175.00	-133.97	3.61	0.04	-87.52	0.12	-1.25e-03
4	151	233.33	-132.06	3.61	0.02	-88.15	0.13	2.97e-03
4	151	291.67	-130.13	3.64	-0.04	-89.37	0.11	7.25e-03
4	151	350.00	-121.65	3.78	-0.19	-89.20	9.75e-05	8.92e-03
4	155	0.0	-99.99	2.27	0.07	-57.70	0.0	-3.85e-03
4	155	58.33	-99.99	2.27	0.07	-59.03	0.04	-4.62e-03
4	155	116.67	-97.10	2.29	0.04	-56.99	0.06	-2.98e-03
4	155	175.00	-94.93	2.29	0.02	-56.43	0.07	-8.41e-04
4	155	233.33	-93.04	2.30	0.01	-56.67	0.08	1.88e-03
4	155	291.67	-91.16	2.31	-0.02	-57.34	0.07	4.65e-03
4	155	350.00	-84.43	2.40	-0.11	-57.93	-8.97e-06	5.77e-03
4	156	0.0	-134.10	3.39	0.10	-84.01	0.0	-5.70e-03
4	156	58.33	-134.10	3.39	0.10	-85.99	0.06	-6.83e-03
4	156	116.67	-130.73	3.41	0.06	-83.56	0.09	-4.35e-03
4	156	175.00	-128.39	3.42	0.04	-83.08	0.11	-1.19e-03
4	156	233.33	-126.48	3.42	0.02	-83.65	0.12	2.81e-03
4	156	291.67	-124.57	3.45	-0.04	-84.79	0.10	6.88e-03
4	156	350.00	-116.33	3.58	-0.18	-84.74	8.23e-05	8.47e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-679.72	-53.29	-6.55	-295.63	-5.19	-0.22
	411.52	71.90	6.76	147.82	5.41	0.27

Macro	Tipo	Angolo 1-Z (gradi)
5	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
5	4	0.0	-9.74	0.26	-0.05	1.30	0.0	0.01
5	4	58.33	-9.74	0.26	-0.05	1.45	-0.03	0.02
5	4	116.67	-7.81	0.28	-0.03	0.89	-0.05	9.40e-03
5	4	175.00	-6.19	0.29	-0.02	0.52	-0.06	3.22e-03
5	4	233.33	-4.82	0.30	-0.01	0.31	-0.07	-4.41e-03
5	4	291.67	-3.75	0.31	0.02	0.29	-0.06	-0.01
5	4	350.00	-2.52	0.32	0.10	0.17	0.0	-0.02
5	7	0.0	-6.57	0.22	-0.04	1.03	0.0	0.01
5	7	58.33	-6.57	0.22	-0.04	1.16	-0.02	0.01
5	7	116.67	-5.09	0.23	-0.02	0.74	-0.04	7.39e-03
5	7	175.00	-3.83	0.24	-0.02	0.46	-0.05	2.53e-03
5	7	233.33	-2.77	0.25	-0.01	0.30	-0.05	-3.47e-03
5	7	291.67	-1.94	0.26	0.02	0.29	-0.04	-0.01
5	7	350.00	-1.02	0.27	0.08	0.22	0.0	-0.01
5	9	0.0	-13.04	0.14	-0.03	0.87	0.0	7.73e-03
5	9	58.33	-13.04	0.14	-0.03	0.95	-0.02	9.23e-03
5	9	116.67	-11.40	0.16	-0.02	0.50	-0.03	5.74e-03
5	9	175.00	-10.03	0.16	-0.01	0.21	-0.04	1.99e-03
5	9	233.33	-8.86	0.17	-8.52e-03	0.04	-0.04	-2.67e-03
5	9	291.67	-7.90	0.17	0.01	1.06e-03	-0.03	-8.10e-03
5	9	350.00	-6.65	0.18	0.06	-0.21	0.0	-0.01
5	16	0.0	-157.37	33.47	-0.14	-115.60	-0.04	-0.02
5	16	58.33	-157.37	33.47	-0.14	-115.51	-0.05	-0.02
5	16	116.67	-148.25	32.49	-0.03	-102.19	-0.10	-0.03
5	16	175.00	-138.21	31.48	3.89e-03	-89.85	-0.11	-0.04
5	16	233.33	-127.73	30.71	0.02	-78.31	-0.11	-0.05
5	16	291.67	-117.15	30.26	0.05	-67.48	-0.08	-0.05
5	16	350.00	-106.62	29.76	0.11	-57.57	-0.02	-0.06
5	17	0.0	141.01	-33.17	0.09	117.15	0.04	0.03
5	17	58.33	141.01	-33.17	0.09	117.23	0.02	0.04
5	17	116.67	134.49	-32.17	-4.38e-03	103.22	0.05	0.04
5	17	175.00	126.65	-31.15	-0.03	90.43	0.04	0.05
5	17	233.33	118.05	-30.36	-0.04	78.62	0.03	0.04
5	17	291.67	109.00	-29.90	-0.03	67.76	0.02	0.04
5	17	350.00	100.32	-29.40	-1.34e-03	57.62	0.02	0.04
5	23	0.0	-99.45	26.67	-0.12	-105.46	-0.03	-0.01
5	23	58.33	-99.45	26.67	-0.12	-105.37	-0.04	-0.01
5	23	116.67	-94.61	25.80	8.67e-03	-93.33	-0.07	-0.03
5	23	175.00	-88.82	25.56	0.03	-82.10	-0.07	-0.04
5	23	233.33	-82.46	25.35	0.01	-71.52	-0.05	-0.06
5	23	291.67	-75.76	24.94	0.02	-61.55	-0.03	-0.07
5	23	350.00	-68.94	24.57	0.04	-52.22	-5.42e-03	-0.07
5	48	0.0	-138.51	29.73	-0.13	-98.70	-0.03	-0.02
5	48	58.33	-138.51	29.73	-0.13	-98.62	-0.05	-0.02
5	48	116.67	-130.35	28.90	-0.03	-87.07	-0.09	-0.03
5	48	175.00	-121.15	27.97	3.04e-04	-76.49	-0.10	-0.04
5	48	233.33	-111.55	27.25	0.02	-66.69	-0.10	-0.04
5	48	291.67	-101.96	26.87	0.05	-57.63	-0.08	-0.05
5	48	350.00	-92.65	26.46	0.10	-49.52	-0.02	-0.05
5	49	0.0	122.15	-29.43	0.08	100.26	0.03	0.03
5	49	58.33	122.15	-29.43	0.08	100.34	0.02	0.03
5	49	116.67	116.58	-28.58	-2.87e-03	88.10	0.04	0.04
5	49	175.00	109.59	-27.63	-0.03	77.06	0.04	0.04
5	49	233.33	101.88	-26.91	-0.03	67.01	0.03	0.03
5	49	291.67	93.81	-26.51	-0.02	57.91	0.02	0.03
5	49	350.00	86.36	-26.09	1.21e-03	49.57	0.02	0.03
5	55	0.0	-78.35	22.32	-0.09	-85.56	-0.02	-8.22e-03
5	55	58.33	-78.35	22.32	-0.09	-85.47	-0.04	-9.47e-03
5	55	116.67	-74.62	21.63	0.01	-75.48	-0.06	-0.02
5	55	175.00	-69.72	21.54	0.02	-66.31	-0.05	-0.04
5	55	233.33	-64.25	21.45	8.47e-03	-57.78	-0.04	-0.05
5	55	291.67	-58.50	21.13	0.01	-49.86	-0.03	-0.06

5	55	350.00	-52.87	20.87	0.03	-42.62	-4.13e-03	-0.06
5	80	0.0	-121.90	26.05	-0.12	-85.77	-0.03	-0.01
5	80	58.33	-121.90	26.05	-0.12	-85.68	-0.04	-0.01
5	80	116.67	-114.61	25.33	-0.03	-75.64	-0.09	-0.02
5	80	175.00	-106.40	24.50	-1.56e-03	-66.46	-0.09	-0.03
5	80	233.33	-97.85	23.88	0.01	-57.96	-0.10	-0.03
5	80	291.67	-89.34	23.55	0.04	-50.11	-0.08	-0.04
5	80	350.00	-81.11	23.19	0.10	-43.11	-0.02	-0.04
5	81	0.0	105.54	-25.74	0.06	87.32	0.03	0.03
5	81	58.33	105.54	-25.74	0.06	87.40	0.01	0.03
5	81	116.67	100.85	-25.01	-4.23e-03	76.67	0.04	0.03
5	81	175.00	94.84	-24.17	-0.02	67.03	0.03	0.04
5	81	233.33	88.18	-23.53	-0.03	58.27	0.02	0.03
5	81	291.67	81.20	-23.19	-0.02	50.39	0.01	0.03
5	81	350.00	74.81	-22.82	7.03e-03	43.17	0.02	0.02
5	87	0.0	-68.60	19.48	-0.08	-74.13	-0.02	-6.10e-03
5	87	58.33	-68.60	19.48	-0.08	-74.04	-0.03	-7.01e-03
5	87	116.67	-65.24	18.89	7.58e-03	-65.38	-0.06	-0.02
5	87	175.00	-60.84	18.82	0.02	-57.44	-0.05	-0.03
5	87	233.33	-55.94	18.76	6.09e-03	-50.06	-0.04	-0.04
5	87	291.67	-50.82	18.48	0.01	-43.22	-0.03	-0.05
5	87	350.00	-45.81	18.25	0.03	-36.99	-3.51e-03	-0.06
5	112	0.0	-192.52	41.21	-0.17	-143.98	-0.04	-0.02
5	112	58.33	-192.52	41.21	-0.17	-143.90	-0.06	-0.02
5	112	116.67	-181.56	39.99	-0.03	-127.32	-0.12	-0.04
5	112	175.00	-169.52	38.76	8.33e-03	-111.93	-0.13	-0.05
5	112	233.33	-156.89	37.82	0.03	-97.52	-0.12	-0.06
5	112	291.67	-144.08	37.25	0.06	-83.98	-0.09	-0.07
5	112	350.00	-131.29	36.63	0.12	-71.50	-0.03	-0.07
5	113	0.0	176.16	-40.91	0.12	145.54	0.04	0.04
5	113	58.33	176.16	-40.91	0.12	145.62	0.03	0.04
5	113	116.67	167.80	-39.67	-2.35e-03	128.35	0.07	0.05
5	113	175.00	157.95	-38.42	-0.03	112.51	0.06	0.06
5	113	233.33	147.21	-37.47	-0.04	97.83	0.05	0.05
5	113	291.67	135.93	-36.89	-0.03	84.26	0.03	0.05
5	113	350.00	124.99	-36.26	-0.01	71.56	0.03	0.05
5	119	0.0	-126.00	33.66	-0.14	-134.19	-0.03	-0.02
5	119	58.33	-126.00	33.66	-0.14	-134.10	-0.05	-0.02
5	119	116.67	-120.02	32.54	0.01	-118.79	-0.09	-0.04
5	119	175.00	-112.91	32.19	0.04	-104.49	-0.08	-0.06
5	119	233.33	-105.10	31.89	0.02	-91.01	-0.06	-0.08
5	119	291.67	-96.81	31.36	0.02	-78.27	-0.04	-0.09
5	119	350.00	-88.33	30.88	0.04	-66.27	-7.02e-03	-0.09
5	145	0.0	-7.43	0.18	-0.03	0.90	0.0	8.48e-03
5	145	58.33	-7.43	0.18	-0.03	1.01	-0.02	0.01
5	145	116.67	-6.05	0.19	-0.02	0.62	-0.03	6.25e-03
5	145	175.00	-4.87	0.20	-0.02	0.37	-0.04	2.15e-03
5	145	233.33	-3.86	0.21	-9.33e-03	0.22	-0.04	-2.93e-03
5	145	291.67	-3.07	0.22	0.01	0.21	-0.04	-8.85e-03
5	145	350.00	-2.14	0.22	0.06	0.12	0.0	-0.01
5	146	0.0	-7.77	0.18	-0.03	0.93	0.0	8.91e-03
5	146	58.33	-7.77	0.18	-0.03	1.03	-0.02	0.01
5	146	116.67	-6.35	0.19	-0.02	0.63	-0.03	6.57e-03
5	146	175.00	-5.15	0.20	-0.02	0.36	-0.04	2.26e-03
5	146	233.33	-4.13	0.21	-9.81e-03	0.21	-0.05	-3.08e-03
5	146	291.67	-3.32	0.22	0.01	0.19	-0.04	-9.30e-03
5	146	350.00	-2.38	0.23	0.07	0.09	0.0	-0.01
5	147	0.0	-9.98	0.11	-0.02	0.64	0.0	5.56e-03
5	147	58.33	-9.98	0.11	-0.02	0.70	-0.01	6.64e-03
5	147	116.67	-8.75	0.11	-0.01	0.37	-0.02	4.14e-03
5	147	175.00	-7.71	0.12	-0.01	0.15	-0.03	1.43e-03
5	147	233.33	-6.83	0.12	-6.13e-03	0.03	-0.03	-1.92e-03
5	147	291.67	-6.10	0.13	9.26e-03	-1.37e-04	-0.02	-5.83e-03
5	147	350.00	-5.14	0.13	0.04	-0.16	0.0	-8.24e-03
5	151	0.0	-7.99	0.16	-0.03	0.81	0.0	7.34e-03
5	151	58.33	-7.99	0.16	-0.03	0.90	-0.02	8.76e-03
5	151	116.67	-6.67	0.17	-0.02	0.54	-0.03	5.42e-03
5	151	175.00	-5.55	0.18	-0.01	0.31	-0.03	1.87e-03
5	151	233.33	-4.59	0.18	-8.09e-03	0.17	-0.04	-2.54e-03
5	151	291.67	-3.82	0.19	0.01	0.16	-0.03	-7.67e-03
5	151	350.00	-2.90	0.19	0.05	0.05	0.0	-0.01
5	152	0.0	-9.43	0.10	-0.02	0.60	0.0	4.86e-03
5	152	58.33	-9.43	0.10	-0.02	0.66	-0.01	5.81e-03
5	152	116.67	-8.26	0.11	-0.01	0.35	-0.02	3.62e-03
5	152	175.00	-7.26	0.12	-8.97e-03	0.16	-0.02	1.26e-03

5	152	233.33	-6.40	0.12	-5.37e-03	0.05	-0.03	-1.68e-03
5	152	291.67	-5.68	0.12	8.15e-03	0.03	-0.02	-5.10e-03
5	152	350.00	-4.75	0.12	0.04	-0.12	0.0	-7.21e-03
5	155	0.0	-9.30	0.10	-0.02	0.59	0.0	4.69e-03
5	155	58.33	-9.30	0.10	-0.02	0.65	-0.01	5.60e-03
5	155	116.67	-8.13	0.11	-0.01	0.35	-0.02	3.50e-03
5	155	175.00	-7.15	0.12	-8.66e-03	0.16	-0.02	1.21e-03
5	155	233.33	-6.30	0.12	-5.17e-03	0.06	-0.03	-1.62e-03
5	155	291.67	-5.58	0.12	7.87e-03	0.04	-0.02	-4.92e-03
5	155	350.00	-4.65	0.12	0.04	-0.11	0.0	-6.95e-03
5	156	0.0	-8.18	0.15	-0.03	0.78	0.0	6.96e-03
5	156	58.33	-8.18	0.15	-0.03	0.86	-0.02	8.31e-03
5	156	116.67	-6.88	0.16	-0.02	0.51	-0.03	5.15e-03
5	156	175.00	-5.78	0.17	-0.01	0.29	-0.03	1.77e-03
5	156	233.33	-4.84	0.17	-7.67e-03	0.16	-0.04	-2.41e-03
5	156	291.67	-4.07	0.18	0.01	0.14	-0.03	-7.28e-03
5	156	350.00	-3.15	0.18	0.05	0.03	0.0	-0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-192.52	-40.91	-0.17	-143.98	-0.13	-0.09
	176.16	41.21	0.12	145.62	0.07	0.06

Macro	Tipo	Angolo 1-Z (gradi)
6	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
6	4	0.0	-60.56	1.73	-0.04	-5.05	0.0	0.01
6	4	58.33	-60.56	1.73	-0.04	-4.04	-0.03	0.01
6	4	116.67	-64.09	1.79	-0.03	-0.92	-0.04	8.88e-03
6	4	175.00	-65.45	1.82	-0.02	1.12	-0.05	3.77e-03
6	4	233.33	-65.77	1.84	-0.02	2.66	-0.06	-2.91e-03
6	4	291.67	-65.81	1.93	-2.07e-03	4.11	-0.07	-0.01
6	4	350.00	-40.62	2.17	0.10	-8.28	-4.13e-03	-0.02
6	5	0.0	-24.21	0.60	-0.02	-2.09	0.0	4.33e-03
6	5	58.33	-24.21	0.60	-0.02	-1.73	-8.87e-03	4.83e-03
6	5	116.67	-25.40	0.63	-9.57e-03	-0.54	-0.01	3.08e-03
6	5	175.00	-25.75	0.63	-7.18e-03	0.24	-0.02	1.33e-03
6	5	233.33	-25.69	0.64	-6.52e-03	0.82	-0.02	-9.75e-04
6	5	291.67	-25.51	0.67	-1.03e-03	1.35	-0.02	-4.26e-03
6	5	350.00	-15.93	0.75	0.04	-3.30	-1.45e-03	-7.06e-03
6	19	0.0	-301.07	38.17	-0.10	-92.12	-0.02	-2.36e-03
6	19	58.33	-301.07	38.17	-0.10	-91.56	-0.04	-4.38e-03
6	19	116.67	-287.80	35.87	-7.91e-03	-76.91	-0.07	-0.02
6	19	175.00	-271.91	34.53	0.02	-65.11	-0.06	-0.04
6	19	233.33	-254.72	33.76	0.01	-55.08	-0.05	-0.05
6	19	291.67	-237.29	33.08	0.02	-46.14	-0.04	-0.06
6	19	350.00	-230.25	31.62	3.17e-04	-33.68	7.96e-03	-0.06
6	22	0.0	231.69	-36.26	0.05	86.27	0.02	0.02
6	22	58.33	231.69	-36.26	0.05	86.83	7.84e-03	0.02
6	22	116.67	214.61	-33.89	-0.02	75.70	0.02	0.03
6	22	175.00	197.38	-32.53	-0.04	66.21	1.81e-03	0.04
6	22	233.33	180.02	-31.73	-0.03	57.91	-0.02	0.04
6	22	291.67	162.76	-30.96	-0.03	50.59	-0.03	0.04
6	22	350.00	184.13	-29.24	0.11	24.24	-0.01	0.04
6	23	0.0	-281.26	34.08	-0.11	-84.76	-0.02	-8.11e-03
6	23	58.33	-281.26	34.08	-0.11	-84.20	-0.04	-0.01
6	23	116.67	-270.10	31.99	-0.01	-70.59	-0.06	-0.03
6	23	175.00	-255.73	30.79	0.02	-59.58	-0.06	-0.04
6	23	233.33	-242.68	30.11	0.01	-51.17	-0.04	-0.05
6	23	291.67	-226.13	29.50	0.02	-42.72	-0.04	-0.06
6	23	350.00	-217.94	28.14	-5.57e-03	-31.68	8.43e-03	-0.07
6	51	0.0	-262.42	33.57	-0.08	-79.05	-0.02	2.40e-04
6	51	58.33	-262.42	33.57	-0.08	-78.49	-0.03	-1.45e-03
6	51	116.67	-251.06	31.63	-6.05e-03	-65.59	-0.06	-0.01
6	51	175.00	-237.56	30.49	0.02	-55.29	-0.05	-0.03
6	51	233.33	-223.09	29.84	9.68e-03	-46.63	-0.04	-0.04
6	51	291.67	-208.58	29.29	0.02	-39.03	-0.04	-0.05
6	51	350.00	-201.02	28.18	1.16e-04	-29.75	8.69e-03	-0.05
6	54	0.0	193.03	-31.67	0.04	73.21	0.02	0.01
6	54	58.33	193.03	-31.67	0.04	73.76	3.81e-03	0.02
6	54	116.67	177.87	-29.65	-0.02	64.38	0.01	0.02

6	54	175.00	163.02	-28.49	-0.04	56.39	-7.18e-03	0.03
6	54	233.33	148.39	-27.82	-0.03	49.46	-0.03	0.04
6	54	291.67	134.05	-27.17	-0.02	43.48	-0.04	0.04
6	54	350.00	154.90	-25.80	0.11	20.32	-0.01	0.03
6	55	0.0	-232.99	28.21	-0.09	-68.65	-0.02	-4.49e-03
6	55	58.33	-232.99	28.21	-0.09	-68.09	-0.03	-6.03e-03
6	55	116.67	-224.31	26.56	-9.81e-03	-56.69	-0.05	-0.02
6	55	175.00	-212.93	25.61	0.02	-47.54	-0.05	-0.03
6	55	233.33	-203.39	25.08	8.91e-03	-40.87	-0.03	-0.04
6	55	291.67	-190.43	24.62	0.02	-34.09	-0.04	-0.05
6	55	350.00	-181.80	23.67	-4.96e-03	-26.91	9.10e-03	-0.06
6	83	0.0	-232.79	29.45	-0.08	-69.13	-0.02	1.28e-03
6	83	58.33	-232.79	29.45	-0.08	-68.58	-0.03	-1.02e-04
6	83	116.67	-223.11	27.77	-6.79e-03	-57.11	-0.05	-0.01
6	83	175.00	-211.44	26.78	0.02	-47.99	-0.05	-0.03
6	83	233.33	-198.89	26.22	7.03e-03	-40.35	-0.04	-0.03
6	83	291.67	-186.31	25.75	0.01	-33.65	-0.04	-0.04
6	83	350.00	-177.98	24.81	6.39e-03	-26.53	7.58e-03	-0.05
6	86	0.0	163.40	-27.55	0.03	63.29	0.02	0.01
6	86	58.33	163.40	-27.55	0.03	63.85	1.34e-03	0.02
6	86	116.67	149.92	-25.79	-0.02	55.90	5.43e-03	0.02
6	86	175.00	136.91	-24.78	-0.04	49.08	-0.01	0.03
6	86	233.33	124.19	-24.19	-0.03	43.17	-0.03	0.03
6	86	291.67	111.78	-23.63	-0.02	38.10	-0.04	0.03
6	86	350.00	131.86	-22.43	0.11	17.10	-0.01	0.03
6	87	0.0	-206.40	24.65	-0.08	-59.83	-0.01	-2.87e-03
6	87	58.33	-206.40	24.65	-0.08	-59.28	-0.03	-4.11e-03
6	87	116.67	-199.12	23.23	-0.01	-49.15	-0.05	-0.02
6	87	175.00	-189.36	22.41	0.02	-41.07	-0.04	-0.03
6	87	233.33	-181.21	21.95	6.30e-03	-35.20	-0.03	-0.04
6	87	291.67	-170.02	21.57	0.01	-29.24	-0.04	-0.05
6	87	350.00	-160.74	20.77	1.92e-03	-23.99	7.93e-03	-0.05
6	115	0.0	-366.01	46.96	-0.12	-113.92	-0.03	-5.13e-03
6	115	58.33	-366.01	46.96	-0.12	-113.36	-0.04	-7.79e-03
6	115	116.67	-349.13	44.09	-7.14e-03	-95.60	-0.08	-0.03
6	115	175.00	-329.19	42.42	0.03	-81.23	-0.07	-0.04
6	115	233.33	-307.70	41.45	0.02	-68.94	-0.05	-0.06
6	115	291.67	-285.89	40.58	0.03	-57.96	-0.04	-0.07
6	115	350.00	-280.43	38.70	-0.01	-40.64	9.64e-03	-0.07
6	118	0.0	296.63	-45.06	0.07	108.08	0.03	0.02
6	118	58.33	296.63	-45.06	0.07	108.63	0.01	0.02
6	118	116.67	275.94	-42.11	-0.02	94.39	0.03	0.04
6	118	175.00	254.66	-40.42	-0.05	82.32	0.01	0.05
6	118	233.33	233.00	-39.43	-0.04	71.77	-0.02	0.05
6	118	291.67	211.36	-38.46	-0.03	62.41	-0.03	0.05
6	118	350.00	234.31	-36.32	0.13	31.20	-0.01	0.05
6	119	0.0	-348.54	42.93	-0.14	-107.16	-0.03	-0.01
6	119	58.33	-348.54	42.93	-0.14	-106.61	-0.04	-0.02
6	119	116.67	-333.84	40.25	-0.01	-89.80	-0.08	-0.03
6	119	175.00	-315.36	38.71	0.03	-76.13	-0.07	-0.05
6	119	233.33	-298.29	37.83	0.02	-65.52	-0.05	-0.06
6	119	291.67	-277.09	37.03	0.03	-54.92	-0.05	-0.08
6	119	350.00	-270.28	35.23	-0.02	-38.82	0.01	-0.08
6	143	0.0	-25.57	0.65	-0.02	-2.20	0.0	4.65e-03
6	143	58.33	-25.57	0.65	-0.02	-1.82	-9.54e-03	5.18e-03
6	143	116.67	-26.86	0.67	-0.01	-0.55	-0.02	3.30e-03
6	143	175.00	-27.25	0.68	-7.70e-03	0.27	-0.02	1.42e-03
6	143	233.33	-27.21	0.69	-6.97e-03	0.89	-0.02	-1.05e-03
6	143	291.67	-27.05	0.72	-1.06e-03	1.46	-0.02	-4.57e-03
6	143	350.00	-16.87	0.80	0.04	-3.49	-1.55e-03	-7.57e-03
6	146	0.0	-42.88	1.21	-0.03	-3.59	0.0	8.83e-03
6	146	58.33	-42.88	1.21	-0.03	-2.88	-0.02	9.82e-03
6	146	116.67	-45.34	1.26	-0.02	-0.68	-0.03	6.21e-03
6	146	175.00	-46.27	1.27	-0.01	0.76	-0.04	2.64e-03
6	146	233.33	-46.46	1.29	-0.01	1.84	-0.05	-2.03e-03
6	146	291.67	-46.46	1.35	-1.50e-03	2.86	-0.05	-8.64e-03
6	146	350.00	-28.70	1.52	0.07	-5.86	-2.89e-03	-0.01
6	150	0.0	-25.57	0.65	-0.02	-2.20	0.0	4.65e-03
6	150	58.33	-25.57	0.65	-0.02	-1.82	-9.54e-03	5.18e-03
6	150	116.67	-26.86	0.67	-0.01	-0.55	-0.02	3.30e-03
6	150	175.00	-27.25	0.68	-7.70e-03	0.27	-0.02	1.42e-03
6	150	233.33	-27.21	0.69	-6.97e-03	0.89	-0.02	-1.05e-03
6	150	291.67	-27.05	0.72	-1.06e-03	1.46	-0.02	-4.57e-03
6	150	350.00	-16.87	0.80	0.04	-3.49	-1.55e-03	-7.57e-03
6	151	0.0	-36.21	1.00	-0.03	-3.04	0.0	7.27e-03

6	151	58.33	-36.21	1.00	-0.03	-2.46	-0.01	8.10e-03
6	151	116.67	-38.22	1.04	-0.02	-0.61	-0.02	5.13e-03
6	151	175.00	-38.94	1.05	-0.01	0.59	-0.03	2.18e-03
6	151	233.33	-39.04	1.07	-0.01	1.50	-0.04	-1.67e-03
6	151	291.67	-38.97	1.12	-1.32e-03	2.35	-0.04	-7.12e-03
6	151	350.00	-24.09	1.26	0.06	-4.92	-2.39e-03	-0.01
6	155	0.0	-25.57	0.65	-0.02	-2.20	0.0	4.65e-03
6	155	58.33	-25.57	0.65	-0.02	-1.82	-9.54e-03	5.18e-03
6	155	116.67	-26.86	0.67	-0.01	-0.55	-0.02	3.30e-03
6	155	175.00	-27.25	0.68	-7.70e-03	0.27	-0.02	1.42e-03
6	155	233.33	-27.21	0.69	-6.97e-03	0.89	-0.02	-1.05e-03
6	155	291.67	-27.05	0.72	-1.06e-03	1.46	-0.02	-4.57e-03
6	155	350.00	-16.87	0.80	0.04	-3.49	-1.55e-03	-7.57e-03
6	156	0.0	-34.69	0.95	-0.02	-2.92	0.0	6.90e-03
6	156	58.33	-34.69	0.95	-0.02	-2.36	-0.01	7.68e-03
6	156	116.67	-36.59	0.99	-0.02	-0.60	-0.02	4.87e-03
6	156	175.00	-37.27	1.00	-0.01	0.55	-0.03	2.08e-03
6	156	233.33	-37.35	1.01	-0.01	1.41	-0.04	-1.58e-03
6	156	291.67	-37.27	1.06	-1.28e-03	2.22	-0.04	-6.76e-03
6	156	350.00	-23.06	1.19	0.06	-4.72	-2.27e-03	-0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-366.01	-45.06	-0.14	-113.92	-0.08	-0.08
	296.63	46.96	0.13	108.63	0.03	0.05

Macro	Tipo	Angolo 1-Z (gradi)
7	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
7	4	0.0	-60.56	-1.73	-0.04	5.05	0.0	-0.01
7	4	58.33	-60.56	-1.73	-0.04	4.04	-0.03	-0.01
7	4	116.67	-64.08	-1.79	-0.03	0.92	-0.04	-9.00e-03
7	4	175.00	-65.44	-1.82	-0.02	-1.12	-0.05	-3.88e-03
7	4	233.33	-65.76	-1.84	-0.02	-2.66	-0.06	2.79e-03
7	4	291.67	-65.80	-1.93	-2.14e-03	-4.11	-0.07	0.01
7	4	350.00	-40.61	-2.17	0.11	8.28	-4.21e-03	0.02
7	5	0.0	-24.21	-0.60	-0.02	2.09	0.0	-4.36e-03
7	5	58.33	-24.21	-0.60	-0.02	1.73	-8.87e-03	-4.87e-03
7	5	116.67	-25.40	-0.63	-9.57e-03	0.54	-0.01	-3.12e-03
7	5	175.00	-25.75	-0.63	-7.18e-03	-0.24	-0.02	-1.37e-03
7	5	233.33	-25.69	-0.64	-6.52e-03	-0.82	-0.02	9.35e-04
7	5	291.67	-25.51	-0.67	-1.05e-03	-1.35	-0.02	4.21e-03
7	5	350.00	-15.93	-0.75	0.04	3.30	-1.48e-03	7.06e-03
7	16	0.0	231.73	36.27	0.05	-86.28	0.02	-0.02
7	16	58.33	231.73	36.27	0.05	-86.84	7.85e-03	-0.02
7	16	116.67	214.64	33.90	-0.02	-75.70	0.02	-0.03
7	16	175.00	197.40	32.54	-0.04	-66.21	1.83e-03	-0.04
7	16	233.33	180.04	31.74	-0.03	-57.91	-0.03	-0.04
7	16	291.67	162.78	30.97	-0.03	-50.58	-0.03	-0.04
7	16	350.00	184.14	29.26	0.08	-24.24	-0.01	-0.04
7	17	0.0	-301.11	-38.18	-0.10	92.12	-0.02	2.51e-03
7	17	58.33	-301.11	-38.18	-0.10	91.56	-0.04	4.51e-03
7	17	116.67	-287.82	-35.88	-8.01e-03	76.91	-0.07	0.02
7	17	175.00	-271.92	-34.54	0.02	65.11	-0.06	0.04
7	17	233.33	-254.73	-33.77	0.01	55.08	-0.05	0.05
7	17	291.67	-237.30	-33.09	0.02	46.14	-0.04	0.06
7	17	350.00	-230.26	-31.64	0.03	33.68	9.25e-03	0.06
7	29	0.0	-281.28	-34.09	-0.11	84.76	-0.02	8.29e-03
7	29	58.33	-281.28	-34.09	-0.11	84.21	-0.04	0.01
7	29	116.67	-270.12	-32.00	-0.01	70.59	-0.06	0.03
7	29	175.00	-255.74	-30.80	0.02	59.58	-0.06	0.04
7	29	233.33	-242.68	-30.12	0.01	51.16	-0.04	0.05
7	29	291.67	-226.12	-29.51	0.02	42.72	-0.05	0.06
7	29	350.00	-217.93	-29.31	0.03	31.67	0.01	0.07
7	48	0.0	193.07	31.68	0.04	-73.21	0.02	-0.01
7	48	58.33	193.07	31.68	0.04	-73.77	3.83e-03	-0.02
7	48	116.67	177.90	29.67	-0.02	-64.39	0.01	-0.02
7	48	175.00	163.05	28.50	-0.04	-56.39	-7.16e-03	-0.04
7	48	233.33	148.41	27.83	-0.03	-49.46	-0.03	-0.04
7	48	291.67	134.07	27.18	-0.02	-43.48	-0.04	-0.04
7	48	350.00	154.91	25.81	0.09	-20.32	-0.01	-0.03

7	49	0.0	-262.45	-33.59	-0.08	79.06	-0.02	-1.09e-04
7	49	58.33	-262.45	-33.59	-0.08	78.50	-0.03	1.56e-03
7	49	116.67	-251.09	-31.64	-6.18e-03	65.60	-0.06	0.02
7	49	175.00	-237.57	-30.51	0.02	55.29	-0.05	0.03
7	49	233.33	-223.10	-29.86	9.85e-03	46.63	-0.04	0.04
7	49	291.67	-208.59	-29.30	0.02	39.03	-0.04	0.05
7	49	350.00	-201.03	-28.20	0.03	29.75	9.78e-03	0.05
7	61	0.0	-233.01	-28.23	-0.09	68.66	-0.02	4.65e-03
7	61	58.33	-233.01	-28.23	-0.09	68.10	-0.03	6.16e-03
7	61	116.67	-224.32	-26.57	-0.01	56.69	-0.05	0.02
7	61	175.00	-212.93	-25.62	0.02	47.55	-0.05	0.03
7	61	233.33	-203.38	-25.09	9.03e-03	40.87	-0.03	0.04
7	61	291.67	-190.41	-24.63	0.01	34.09	-0.04	0.05
7	61	350.00	-181.79	-24.95	0.03	26.90	0.01	0.06
7	80	0.0	163.44	27.56	0.03	-63.30	0.02	-0.01
7	80	58.33	163.44	27.56	0.03	-63.85	1.35e-03	-0.02
7	80	116.67	149.95	25.80	-0.02	-55.90	5.45e-03	-0.02
7	80	175.00	136.93	24.79	-0.04	-49.08	-0.01	-0.03
7	80	233.33	124.21	24.20	-0.03	-43.17	-0.03	-0.03
7	80	291.67	111.80	23.64	-0.02	-38.10	-0.04	-0.03
7	80	350.00	131.87	22.45	0.08	-17.10	-0.01	-0.03
7	81	0.0	-232.82	-29.46	-0.08	69.14	-0.02	-1.17e-03
7	81	58.33	-232.82	-29.46	-0.08	68.58	-0.03	1.94e-04
7	81	116.67	-223.13	-27.78	-6.90e-03	57.11	-0.05	0.01
7	81	175.00	-211.46	-26.79	0.02	47.99	-0.05	0.03
7	81	233.33	-198.90	-26.23	7.18e-03	40.35	-0.04	0.03
7	81	291.67	-186.32	-25.76	0.01	33.65	-0.04	0.04
7	81	350.00	-177.99	-24.83	0.03	26.53	8.52e-03	0.05
7	93	0.0	-206.42	-24.66	-0.08	59.84	-0.01	3.00e-03
7	93	58.33	-206.42	-24.66	-0.08	59.28	-0.03	4.22e-03
7	93	116.67	-199.13	-23.24	-0.01	49.16	-0.05	0.02
7	93	175.00	-189.37	-22.42	0.02	41.07	-0.04	0.03
7	93	233.33	-181.20	-21.96	6.40e-03	35.19	-0.03	0.04
7	93	291.67	-170.00	-21.57	0.01	29.23	-0.04	0.05
7	93	350.00	-160.73	-21.92	0.03	23.98	9.17e-03	0.05
7	112	0.0	296.68	45.07	0.07	-108.08	0.03	-0.02
7	112	58.33	296.68	45.07	0.07	-108.64	0.01	-0.02
7	112	116.67	275.98	42.13	-0.02	-94.40	0.03	-0.04
7	112	175.00	254.69	40.43	-0.05	-82.32	0.01	-0.05
7	112	233.33	233.02	39.44	-0.04	-71.77	-0.02	-0.05
7	112	291.67	211.38	38.47	-0.03	-62.41	-0.03	-0.05
7	112	350.00	234.32	36.34	0.09	-31.20	-0.02	-0.05
7	113	0.0	-366.06	-46.97	-0.12	113.93	-0.03	5.32e-03
7	113	58.33	-366.06	-46.97	-0.12	113.37	-0.04	7.97e-03
7	113	116.67	-349.16	-44.10	-7.25e-03	95.61	-0.08	0.03
7	113	175.00	-329.21	-42.43	0.03	81.23	-0.07	0.05
7	113	233.33	-307.71	-41.46	0.02	68.94	-0.05	0.06
7	113	291.67	-285.90	-40.60	0.03	57.96	-0.04	0.07
7	113	350.00	-280.44	-38.72	0.03	40.64	0.01	0.07
7	125	0.0	-348.57	-42.94	-0.14	107.18	-0.03	0.01
7	125	58.33	-348.57	-42.94	-0.14	106.62	-0.04	0.02
7	125	116.67	-333.86	-40.26	-0.01	89.80	-0.08	0.03
7	125	175.00	-315.37	-38.72	0.03	76.13	-0.07	0.05
7	125	233.33	-298.28	-37.84	0.02	65.51	-0.05	0.06
7	125	291.67	-277.08	-37.04	0.03	54.91	-0.05	0.08
7	125	350.00	-270.26	-36.56	0.03	38.82	0.01	0.08
7	143	0.0	-25.57	-0.65	-0.02	2.20	0.0	-4.68e-03
7	143	58.33	-25.57	-0.65	-0.02	1.82	-9.53e-03	-5.23e-03
7	143	116.67	-26.85	-0.67	-0.01	0.55	-0.02	-3.34e-03
7	143	175.00	-27.25	-0.68	-7.70e-03	-0.27	-0.02	-1.46e-03
7	143	233.33	-27.21	-0.69	-6.98e-03	-0.89	-0.02	1.01e-03
7	143	291.67	-27.04	-0.72	-1.09e-03	-1.46	-0.02	4.53e-03
7	143	350.00	-16.87	-0.80	0.04	3.49	-1.58e-03	7.57e-03
7	146	0.0	-42.87	-1.21	-0.03	3.59	0.0	-8.89e-03
7	146	58.33	-42.87	-1.21	-0.03	2.88	-0.02	-9.91e-03
7	146	116.67	-45.33	-1.26	-0.02	0.68	-0.03	-6.29e-03
7	146	175.00	-46.26	-1.27	-0.01	-0.76	-0.04	-2.72e-03
7	146	233.33	-46.46	-1.29	-0.01	-1.84	-0.05	1.95e-03
7	146	291.67	-46.45	-1.35	-1.55e-03	-2.86	-0.05	8.55e-03
7	146	350.00	-28.70	-1.52	0.08	5.86	-2.95e-03	0.01
7	150	0.0	-25.57	-0.65	-0.02	2.20	0.0	-4.68e-03
7	150	58.33	-25.57	-0.65	-0.02	1.82	-9.53e-03	-5.23e-03
7	150	116.67	-26.85	-0.67	-0.01	0.55	-0.02	-3.34e-03
7	150	175.00	-27.25	-0.68	-7.70e-03	-0.27	-0.02	-1.46e-03
7	150	233.33	-27.21	-0.69	-6.98e-03	-0.89	-0.02	1.01e-03

7	150	291.67	-27.04	-0.72	-1.09e-03	-1.46	-0.02	4.53e-03
7	150	350.00	-16.87	-0.80	0.04	3.49	-1.58e-03	7.57e-03
7	151	0.0	-36.21	-1.00	-0.03	3.04	0.0	-7.33e-03
7	151	58.33	-36.21	-1.00	-0.03	2.46	-0.01	-8.17e-03
7	151	116.67	-38.21	-1.04	-0.02	0.61	-0.02	-5.19e-03
7	151	175.00	-38.93	-1.05	-0.01	-0.59	-0.03	-2.25e-03
7	151	233.33	-39.03	-1.07	-0.01	-1.50	-0.04	1.60e-03
7	151	291.67	-38.96	-1.12	-1.36e-03	-2.35	-0.04	7.05e-03
7	151	350.00	-24.09	-1.26	0.06	4.92	-2.44e-03	0.01
7	155	0.0	-25.57	-0.65	-0.02	2.20	0.0	-4.68e-03
7	155	58.33	-25.57	-0.65	-0.02	1.82	-9.53e-03	-5.23e-03
7	155	116.67	-26.85	-0.67	-0.01	0.55	-0.02	-3.34e-03
7	155	175.00	-27.25	-0.68	-7.70e-03	-0.27	-0.02	-1.46e-03
7	155	233.33	-27.21	-0.69	-6.98e-03	-0.89	-0.02	1.01e-03
7	155	291.67	-27.04	-0.72	-1.09e-03	-1.46	-0.02	4.53e-03
7	155	350.00	-16.87	-0.80	0.04	3.49	-1.58e-03	7.57e-03
7	156	0.0	-34.69	-0.95	-0.02	2.92	0.0	-6.95e-03
7	156	58.33	-34.69	-0.95	-0.02	2.36	-0.01	-7.75e-03
7	156	116.67	-36.59	-0.99	-0.02	0.60	-0.02	-4.93e-03
7	156	175.00	-37.26	-1.00	-0.01	-0.55	-0.03	-2.14e-03
7	156	233.33	-37.35	-1.01	-0.01	-1.41	-0.04	1.51e-03
7	156	291.67	-37.26	-1.06	-1.32e-03	-2.22	-0.04	6.69e-03
7	156	350.00	-23.06	-1.19	0.06	4.72	-2.32e-03	0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-366.06	-46.97	-0.14	-108.64	-0.08	-0.05
	296.68	45.07	0.11	113.93	0.03	0.08

Macro	Tipo	Angolo 1-Z (gradi)
8	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
8	4	0.0	-232.33	6.21	-0.18	-152.34	0.0	0.01
8	4	58.33	-232.33	6.21	-0.18	-155.96	-0.11	0.01
8	4	116.67	-227.13	6.24	-0.10	-152.07	-0.17	7.92e-03
8	4	175.00	-223.80	6.26	-0.07	-151.52	-0.21	2.14e-03
8	4	233.33	-221.25	6.27	-0.03	-152.78	-0.23	-5.17e-03
8	4	291.67	-218.69	6.32	0.07	-155.00	-0.19	-0.01
8	4	350.00	-205.35	6.55	0.32	-154.01	-2.32e-04	-0.02
8	5	0.0	-94.86	2.12	-0.06	-53.90	0.0	3.58e-03
8	5	58.33	-94.86	2.12	-0.06	-55.14	-0.04	4.30e-03
8	5	116.67	-92.05	2.13	-0.03	-53.17	-0.06	2.78e-03
8	5	175.00	-89.90	2.13	-0.02	-52.60	-0.07	7.92e-04
8	5	233.33	-88.03	2.14	-0.01	-52.80	-0.07	-1.74e-03
8	5	291.67	-86.15	2.16	0.02	-53.41	-0.06	-4.33e-03
8	5	350.00	-79.65	2.24	0.11	-54.08	8.16e-06	-5.40e-03
8	16	0.0	-572.39	49.62	-5.45	86.69	-1.56	-0.09
8	16	58.33	-572.39	49.62	-5.45	84.71	-1.62	-0.09
8	16	116.67	-548.90	49.52	-1.92	66.21	-3.80	-0.10
8	16	175.00	-523.61	49.11	0.05	48.92	-4.37	-0.13
8	16	233.33	-497.22	48.66	1.27	31.80	-4.01	-0.17
8	16	291.67	-472.40	48.99	2.43	11.49	-2.94	-0.19
8	16	350.00	-429.03	49.16	3.67	5.78	-1.04	-0.19
8	17	0.0	304.21	-42.83	5.25	-254.67	1.56	0.10
8	17	58.33	304.21	-42.83	5.25	-256.65	1.51	0.10
8	17	116.67	287.45	-42.69	1.80	-233.30	3.62	0.11
8	17	175.00	266.84	-42.27	-0.12	-215.05	4.15	0.14
8	17	233.33	244.26	-41.81	-1.31	-199.09	3.76	0.16
8	17	291.67	223.28	-42.08	-2.36	-181.06	2.74	0.18
8	17	350.00	196.38	-42.00	-3.32	-175.25	1.04	0.17
8	24	0.0	-536.24	56.86	-5.08	100.21	-1.46	-0.11
8	24	58.33	-536.24	56.86	-5.08	98.23	-1.52	-0.11
8	24	116.67	-524.62	56.82	-1.91	62.39	-3.54	-0.12
8	24	175.00	-497.08	57.03	0.04	51.61	-4.07	-0.15
8	24	233.33	-472.46	57.28	1.18	34.46	-3.74	-0.19
8	24	291.67	-450.13	57.47	2.26	12.99	-2.74	-0.22
8	24	350.00	-411.04	57.54	3.44	3.58	-0.97	-0.21
8	28	0.0	-532.25	57.96	-5.01	102.25	-1.43	-0.10
8	28	58.33	-532.25	57.96	-5.01	100.27	-1.49	-0.09
8	28	116.67	-520.88	57.91	-1.90	64.56	-3.49	-0.10
8	28	175.00	-493.83	58.13	0.02	53.65	-4.04	-0.14

8	28	233.33	-469.80	58.38	1.14	36.27	-3.72	-0.17
8	28	291.67	-448.91	58.57	2.23	13.13	-2.73	-0.20
8	28	350.00	-409.64	58.64	3.43	4.14	-0.96	-0.19
8	48	0.0	-507.83	44.75	-4.67	67.73	-1.34	-0.08
8	48	58.33	-507.83	44.75	-4.67	65.75	-1.40	-0.08
8	48	116.67	-487.28	44.72	-1.63	49.20	-3.26	-0.08
8	48	175.00	-465.37	44.28	0.07	33.86	-3.74	-0.12
8	48	233.33	-442.79	43.80	1.10	18.68	-3.43	-0.15
8	48	291.67	-422.51	44.09	2.08	-0.05	-2.52	-0.17
8	48	350.00	-385.25	44.29	3.16	-7.01	-0.88	-0.17
8	49	0.0	239.64	-37.96	4.47	-235.72	1.34	0.09
8	49	58.33	239.64	-37.96	4.47	-237.70	1.28	0.09
8	49	116.67	225.83	-37.89	1.52	-216.29	3.07	0.09
8	49	175.00	208.60	-37.44	-0.14	-199.99	3.51	0.12
8	49	233.33	189.84	-36.95	-1.13	-185.97	3.18	0.14
8	49	291.67	173.39	-37.19	-2.01	-169.52	2.32	0.15
8	49	350.00	152.60	-37.13	-2.81	-162.46	0.88	0.15
8	56	0.0	-456.97	49.82	-4.13	74.96	-1.18	-0.09
8	56	58.33	-456.97	49.82	-4.13	72.98	-1.24	-0.08
8	56	116.67	-450.79	49.87	-1.56	36.61	-2.88	-0.10
8	56	175.00	-426.86	50.16	0.07	29.24	-3.31	-0.13
8	56	233.33	-406.34	50.44	0.97	15.54	-3.03	-0.16
8	56	291.67	-389.27	50.60	1.84	-3.31	-2.23	-0.18
8	56	350.00	-357.60	50.64	2.81	-13.87	-0.78	-0.17
8	76	0.0	-224.31	52.77	-1.27	81.75	-0.34	-5.74e-03
8	76	58.33	-224.31	52.77	-1.27	79.78	-0.40	-7.81e-04
8	76	116.67	-225.28	52.68	-0.48	53.44	-0.91	4.85e-03
8	76	175.00	-220.93	52.67	-0.02	36.28	-1.06	-5.84e-03
8	76	233.33	-217.39	52.61	0.24	17.93	-0.99	-0.02
8	76	291.67	-223.32	52.49	0.57	-15.69	-0.72	-0.03
8	76	350.00	-206.04	52.36	0.92	-25.19	-0.22	-0.02
8	80	0.0	-459.10	39.59	-4.07	48.72	-1.16	-0.07
8	80	58.33	-459.10	39.59	-4.07	46.74	-1.22	-0.07
8	80	116.67	-440.78	39.58	-1.43	32.52	-2.84	-0.07
8	80	175.00	-421.42	39.19	0.06	19.16	-3.27	-0.10
8	80	233.33	-401.57	38.76	0.96	5.83	-3.00	-0.13
8	80	291.67	-383.85	39.02	1.82	-10.77	-2.21	-0.15
8	80	350.00	-350.51	39.21	2.77	-17.12	-0.77	-0.15
8	81	0.0	190.92	-32.81	3.87	-216.71	1.16	0.08
8	81	58.33	190.92	-32.81	3.87	-218.69	1.10	0.08
8	81	116.67	179.34	-32.76	1.31	-199.61	2.66	0.08
8	81	175.00	164.65	-32.35	-0.13	-185.29	3.04	0.10
8	81	233.33	148.61	-31.91	-0.99	-173.12	2.75	0.12
8	81	291.67	134.73	-32.11	-1.75	-158.80	2.00	0.13
8	81	350.00	117.86	-32.05	-2.42	-152.35	0.77	0.13
8	88	0.0	-413.68	43.99	-3.59	54.86	-1.02	-0.08
8	88	58.33	-413.68	43.99	-3.59	52.88	-1.08	-0.07
8	88	116.67	-408.26	44.04	-1.36	20.85	-2.51	-0.09
8	88	175.00	-387.09	44.30	0.06	14.62	-2.88	-0.11
8	88	233.33	-369.03	44.55	0.84	2.71	-2.64	-0.14
8	88	291.67	-354.14	44.70	1.60	-13.91	-1.94	-0.16
8	88	350.00	-325.76	44.74	2.45	-23.39	-0.67	-0.15
8	108	0.0	-212.03	47.23	-1.12	63.08	-0.30	-3.86e-03
8	108	58.33	-212.03	47.23	-1.12	61.10	-0.36	7.03e-04
8	108	116.67	-212.69	47.16	-0.43	37.86	-0.80	5.45e-03
8	108	175.00	-208.68	47.15	-0.02	22.67	-0.94	-4.23e-03
8	108	233.33	-205.43	47.10	0.21	6.34	-0.87	-0.01
8	108	291.67	-210.72	46.99	0.50	-23.75	-0.64	-0.02
8	108	350.00	-194.68	46.89	0.82	-32.30	-0.19	-0.02
8	112	0.0	-679.66	60.08	-6.76	125.76	-1.95	-0.11
8	112	58.33	-679.66	60.08	-6.76	123.78	-2.01	-0.11
8	112	116.67	-651.22	59.94	-2.38	100.64	-4.71	-0.12
8	112	175.00	-620.32	59.46	0.05	79.30	-5.41	-0.16
8	112	233.33	-587.85	58.93	1.58	58.38	-4.96	-0.21
8	112	291.67	-557.01	59.33	3.02	33.88	-3.64	-0.24
8	112	350.00	-504.71	59.51	4.53	27.54	-1.29	-0.24
8	113	0.0	411.47	-53.30	6.55	-293.75	1.95	0.13
8	113	58.33	411.47	-53.30	6.55	-295.72	1.89	0.13
8	113	116.67	389.78	-53.11	2.26	-267.73	4.52	0.13
8	113	175.00	363.55	-52.62	-0.13	-245.43	5.19	0.17
8	113	233.33	334.90	-52.08	-1.61	-225.67	4.72	0.20
8	113	291.67	307.89	-52.42	-2.94	-203.45	3.43	0.22
8	113	350.00	272.07	-52.35	-4.18	-197.01	1.29	0.22
8	120	0.0	-646.37	69.91	-6.43	145.48	-1.85	-0.14
8	120	58.33	-646.37	69.91	-6.43	143.50	-1.91	-0.13

8	120	116.67	-630.69	69.82	-2.41	100.91	-4.48	-0.15
8	120	175.00	-596.95	70.04	0.05	86.35	-5.15	-0.19
8	120	233.33	-566.25	70.32	1.50	64.67	-4.72	-0.24
8	120	291.67	-537.85	70.53	2.87	38.29	-3.46	-0.27
8	120	350.00	-489.70	70.59	4.33	27.63	-1.23	-0.26
8	124	0.0	-641.64	71.24	-6.34	147.94	-1.82	-0.12
8	124	58.33	-641.64	71.24	-6.34	145.96	-1.88	-0.12
8	124	116.67	-626.25	71.15	-2.40	103.52	-4.41	-0.13
8	124	175.00	-593.10	71.36	0.02	88.80	-5.11	-0.18
8	124	233.33	-563.10	71.65	1.45	66.84	-4.70	-0.22
8	124	291.67	-536.43	71.87	2.82	38.46	-3.45	-0.25
8	124	350.00	-488.06	71.92	4.31	28.30	-1.23	-0.24
8	143	0.0	-99.98	2.28	-0.07	-57.69	0.0	3.85e-03
8	143	58.33	-99.98	2.28	-0.07	-59.02	-0.04	4.62e-03
8	143	116.67	-97.09	2.29	-0.04	-56.98	-0.06	2.98e-03
8	143	175.00	-94.92	2.29	-0.02	-56.42	-0.07	8.44e-04
8	143	233.33	-93.04	2.30	-0.01	-56.66	-0.08	-1.88e-03
8	143	291.67	-91.16	2.32	0.02	-57.34	-0.07	-4.65e-03
8	143	350.00	-84.43	2.40	0.12	-57.93	0.0	-5.79e-03
8	146	0.0	-164.81	4.34	-0.13	-106.73	0.0	7.30e-03
8	146	58.33	-164.81	4.34	-0.13	-109.26	-0.07	8.74e-03
8	146	116.67	-161.00	4.36	-0.07	-106.43	-0.12	5.55e-03
8	146	175.00	-158.51	4.37	-0.05	-105.99	-0.14	1.51e-03
8	146	233.33	-156.56	4.38	-0.02	-106.83	-0.16	-3.61e-03
8	146	291.67	-154.61	4.42	0.05	-108.36	-0.13	-8.80e-03
8	146	350.00	-144.97	4.58	0.23	-107.83	-1.49e-04	-0.01
8	150	0.0	-99.98	2.28	-0.07	-57.69	0.0	3.85e-03
8	150	58.33	-99.98	2.28	-0.07	-59.02	-0.04	4.62e-03
8	150	116.67	-97.09	2.29	-0.04	-56.98	-0.06	2.98e-03
8	150	175.00	-94.92	2.29	-0.02	-56.42	-0.07	8.44e-04
8	150	233.33	-93.04	2.30	-0.01	-56.66	-0.08	-1.88e-03
8	150	291.67	-91.16	2.32	0.02	-57.34	-0.07	-4.65e-03
8	150	350.00	-84.43	2.40	0.12	-57.93	0.0	-5.79e-03
8	151	0.0	-139.78	3.58	-0.11	-88.38	0.0	6.01e-03
8	151	58.33	-139.78	3.58	-0.11	-90.47	-0.06	7.20e-03
8	151	116.67	-136.33	3.60	-0.06	-87.97	-0.10	4.59e-03
8	151	175.00	-133.96	3.61	-0.04	-87.51	-0.12	1.26e-03
8	151	233.33	-132.05	3.61	-0.02	-88.14	-0.13	-2.96e-03
8	151	291.67	-130.13	3.64	0.04	-89.36	-0.11	-7.25e-03
8	151	350.00	-121.64	3.78	0.19	-89.20	-1.10e-04	-8.94e-03
8	155	0.0	-99.98	2.28	-0.07	-57.69	0.0	3.85e-03
8	155	58.33	-99.98	2.28	-0.07	-59.02	-0.04	4.62e-03
8	155	116.67	-97.09	2.29	-0.04	-56.98	-0.06	2.98e-03
8	155	175.00	-94.92	2.29	-0.02	-56.42	-0.07	8.44e-04
8	155	233.33	-93.04	2.30	-0.01	-56.66	-0.08	-1.88e-03
8	155	291.67	-91.16	2.32	0.02	-57.34	-0.07	-4.65e-03
8	155	350.00	-84.43	2.40	0.12	-57.93	0.0	-5.79e-03
8	156	0.0	-134.09	3.39	-0.10	-83.99	0.0	5.70e-03
8	156	58.33	-134.09	3.39	-0.10	-85.97	-0.06	6.83e-03
8	156	116.67	-130.72	3.41	-0.06	-83.54	-0.09	4.36e-03
8	156	175.00	-128.38	3.42	-0.04	-83.07	-0.11	1.20e-03
8	156	233.33	-126.48	3.43	-0.02	-83.64	-0.12	-2.81e-03
8	156	291.67	-124.56	3.45	0.04	-84.78	-0.10	-6.88e-03
8	156	350.00	-116.32	3.58	0.18	-84.74	-9.44e-05	-8.49e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-679.66	-53.30	-6.76	-295.72	-5.41	-0.27
			411.47	71.92	6.55	147.94	5.19	0.22

Macro	Tipo	Angolo 1-Z (gradi)
9	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
9	4	0.0	-9.74	-0.26	-0.05	-1.30	0.0	-0.01
9	4	58.33	-9.74	-0.26	-0.05	-1.45	-0.03	-0.02
9	4	116.67	-7.82	-0.28	-0.03	-0.89	-0.05	-9.46e-03
9	4	175.00	-6.20	-0.29	-0.02	-0.52	-0.06	-3.29e-03
9	4	233.33	-4.82	-0.30	-0.01	-0.31	-0.07	4.35e-03
9	4	291.67	-3.75	-0.31	0.02	-0.29	-0.06	0.01
9	4	350.00	-2.53	-0.32	0.10	-0.18	0.0	0.02
9	7	0.0	-6.58	-0.22	-0.04	-1.03	0.0	-0.01

9	7	58.33	-6.58	-0.22	-0.04	-1.16	-0.02	-0.01
9	7	116.67	-5.10	-0.23	-0.02	-0.74	-0.04	-7.44e-03
9	7	175.00	-3.84	-0.24	-0.02	-0.46	-0.05	-2.59e-03
9	7	233.33	-2.77	-0.25	-0.01	-0.30	-0.05	3.42e-03
9	7	291.67	-1.94	-0.26	0.02	-0.29	-0.04	0.01
9	7	350.00	-1.02	-0.27	0.08	-0.23	0.0	0.01
9	9	0.0	-13.05	-0.14	-0.03	-0.87	0.0	-7.76e-03
9	9	58.33	-13.05	-0.14	-0.03	-0.95	-0.02	-9.27e-03
9	9	116.67	-11.41	-0.16	-0.02	-0.50	-0.03	-5.78e-03
9	9	175.00	-10.04	-0.16	-0.01	-0.21	-0.04	-2.03e-03
9	9	233.33	-8.87	-0.17	-8.59e-03	-0.04	-0.04	2.64e-03
9	9	291.67	-7.91	-0.17	0.01	-1.61e-03	-0.03	8.07e-03
9	9	350.00	-6.65	-0.18	0.06	0.21	0.0	0.01
9	19	0.0	140.95	33.16	0.09	-117.13	0.04	-0.03
9	19	58.33	140.95	33.16	0.09	-117.22	0.02	-0.04
9	19	116.67	134.43	32.16	-4.35e-03	-103.21	0.05	-0.04
9	19	175.00	126.60	31.14	-0.03	-90.42	0.04	-0.05
9	19	233.33	118.01	30.36	-0.05	-78.62	0.03	-0.04
9	19	291.67	108.96	29.89	-0.03	-67.76	0.03	-0.04
9	19	350.00	100.29	29.39	-1.17e-03	-57.62	0.02	-0.04
9	22	0.0	-157.32	-33.46	-0.15	115.58	-0.04	0.02
9	22	58.33	-157.32	-33.46	-0.15	115.49	-0.05	0.02
9	22	116.67	-148.21	-32.48	-0.03	102.18	-0.10	0.03
9	22	175.00	-138.17	-31.47	3.93e-03	89.85	-0.11	0.04
9	22	233.33	-127.69	-30.70	0.03	78.30	-0.11	0.05
9	22	291.67	-117.12	-30.25	0.05	67.48	-0.09	0.05
9	22	350.00	-106.59	-29.76	0.11	57.57	-0.02	0.06
9	29	0.0	-99.46	-26.68	-0.12	105.47	-0.03	0.01
9	29	58.33	-99.46	-26.68	-0.12	105.39	-0.04	0.01
9	29	116.67	-94.62	-25.80	8.82e-03	93.34	-0.07	0.03
9	29	175.00	-88.83	-25.56	0.03	82.11	-0.07	0.04
9	29	233.33	-82.47	-25.35	0.01	71.53	-0.05	0.06
9	29	291.67	-75.77	-24.94	0.02	61.56	-0.04	0.07
9	29	350.00	-68.95	-24.57	0.04	52.23	-5.11e-03	0.07
9	51	0.0	122.09	29.42	0.08	-100.24	0.03	-0.03
9	51	58.33	122.09	29.42	0.08	-100.33	0.02	-0.03
9	51	116.67	116.53	28.57	-2.85e-03	-88.09	0.04	-0.04
9	51	175.00	109.54	27.63	-0.03	-77.06	0.04	-0.04
9	51	233.33	101.83	26.90	-0.04	-67.00	0.03	-0.03
9	51	291.67	93.77	26.51	-0.02	-57.91	0.03	-0.03
9	51	350.00	86.32	26.09	1.17e-03	-49.57	0.02	-0.03
9	54	0.0	-138.46	-29.72	-0.13	98.69	-0.03	0.02
9	54	58.33	-138.46	-29.72	-0.13	98.60	-0.05	0.02
9	54	116.67	-130.30	-28.89	-0.03	87.06	-0.09	0.03
9	54	175.00	-121.11	-27.96	3.34e-04	76.48	-0.10	0.04
9	54	233.33	-111.52	-27.25	0.03	66.69	-0.10	0.04
9	54	291.67	-101.93	-26.87	0.05	57.63	-0.09	0.05
9	54	350.00	-92.63	-26.46	0.10	49.51	-0.02	0.05
9	61	0.0	-78.37	-22.33	-0.09	85.57	-0.02	8.32e-03
9	61	58.33	-78.37	-22.33	-0.09	85.48	-0.04	9.56e-03
9	61	116.67	-74.63	-21.64	0.01	75.50	-0.06	0.02
9	61	175.00	-69.73	-21.55	0.02	66.32	-0.05	0.04
9	61	233.33	-64.26	-21.46	8.51e-03	57.79	-0.04	0.05
9	61	291.67	-58.51	-21.13	0.01	49.87	-0.04	0.06
9	61	350.00	-52.88	-20.87	0.03	42.63	-3.96e-03	0.06
9	83	0.0	105.49	25.74	0.06	-87.31	0.03	-0.03
9	83	58.33	105.49	25.74	0.06	-87.39	0.01	-0.03
9	83	116.67	100.80	25.00	-4.22e-03	-76.66	0.04	-0.03
9	83	175.00	94.80	24.16	-0.02	-67.03	0.03	-0.04
9	83	233.33	88.14	23.53	-0.04	-58.27	0.02	-0.03
9	83	291.67	81.16	23.18	-0.02	-50.38	0.02	-0.03
9	83	350.00	74.78	22.82	6.98e-03	-43.17	0.02	-0.02
9	86	0.0	-121.86	-26.04	-0.12	85.75	-0.03	0.01
9	86	58.33	-121.86	-26.04	-0.12	85.67	-0.04	0.01
9	86	116.67	-114.57	-25.32	-0.03	75.63	-0.09	0.02
9	86	175.00	-106.37	-24.50	-1.53e-03	66.45	-0.09	0.03
9	86	233.33	-97.82	-23.87	0.02	57.95	-0.10	0.03
9	86	291.67	-89.32	-23.54	0.04	50.10	-0.08	0.04
9	86	350.00	-81.09	-23.19	0.10	43.11	-0.02	0.04
9	93	0.0	-68.62	-19.49	-0.08	74.14	-0.02	6.18e-03
9	93	58.33	-68.62	-19.49	-0.08	74.05	-0.03	7.08e-03
9	93	116.67	-65.26	-18.89	7.70e-03	65.39	-0.06	0.02
9	93	175.00	-60.85	-18.83	0.02	57.45	-0.05	0.03
9	93	233.33	-55.95	-18.76	6.11e-03	50.06	-0.04	0.04
9	93	291.67	-50.83	-18.48	0.01	43.23	-0.04	0.05

9	93	350.00	-45.82	-18.26	0.03	36.99	-3.38e-03	0.06
9	115	0.0	176.09	40.90	0.12	-145.52	0.04	-0.04
9	115	58.33	176.09	40.90	0.12	-145.61	0.03	-0.04
9	115	116.67	167.74	39.66	-2.32e-03	-128.34	0.07	-0.05
9	115	175.00	157.90	38.41	-0.03	-112.50	0.06	-0.06
9	115	233.33	147.16	37.46	-0.06	-97.83	0.05	-0.05
9	115	291.67	135.89	36.88	-0.04	-84.26	0.04	-0.05
9	115	350.00	124.95	36.26	-0.01	-71.56	0.03	-0.05
9	118	0.0	-192.46	-41.20	-0.17	143.97	-0.04	0.02
9	118	58.33	-192.46	-41.20	-0.17	143.88	-0.06	0.02
9	118	116.67	-181.51	-39.98	-0.03	127.31	-0.12	0.04
9	118	175.00	-169.47	-38.75	8.38e-03	111.92	-0.13	0.05
9	118	233.33	-156.85	-37.81	0.04	97.51	-0.12	0.06
9	118	291.67	-144.04	-37.24	0.06	83.98	-0.10	0.07
9	118	350.00	-131.25	-36.63	0.12	71.50	-0.03	0.07
9	125	0.0	-126.01	-33.67	-0.14	134.20	-0.03	0.02
9	125	58.33	-126.01	-33.67	-0.14	134.11	-0.05	0.02
9	125	116.67	-120.02	-32.55	0.01	118.80	-0.09	0.04
9	125	175.00	-112.92	-32.20	0.04	104.50	-0.08	0.06
9	125	233.33	-105.10	-31.89	0.02	91.02	-0.06	0.08
9	125	291.67	-96.82	-31.37	0.02	78.28	-0.05	0.09
9	125	350.00	-88.34	-30.88	0.04	66.28	-6.58e-03	0.09
9	145	0.0	-7.44	-0.18	-0.03	-0.90	0.0	-8.51e-03
9	145	58.33	-7.44	-0.18	-0.03	-1.01	-0.02	-0.01
9	145	116.67	-6.05	-0.19	-0.02	-0.62	-0.03	-6.29e-03
9	145	175.00	-4.87	-0.20	-0.02	-0.37	-0.04	-2.19e-03
9	145	233.33	-3.87	-0.21	-9.41e-03	-0.22	-0.05	2.89e-03
9	145	291.67	-3.07	-0.22	0.01	-0.21	-0.04	8.82e-03
9	145	350.00	-2.15	-0.22	0.06	-0.12	0.0	0.01
9	146	0.0	-7.78	-0.18	-0.03	-0.93	0.0	-8.95e-03
9	146	58.33	-7.78	-0.18	-0.03	-1.03	-0.02	-0.01
9	146	116.67	-6.36	-0.19	-0.02	-0.63	-0.03	-6.62e-03
9	146	175.00	-5.16	-0.20	-0.02	-0.36	-0.04	-2.30e-03
9	146	233.33	-4.13	-0.21	-9.89e-03	-0.21	-0.05	3.04e-03
9	146	291.67	-3.33	-0.22	0.01	-0.19	-0.04	9.27e-03
9	146	350.00	-2.39	-0.23	0.07	-0.09	0.0	0.01
9	147	0.0	-9.98	-0.11	-0.02	-0.64	0.0	-5.58e-03
9	147	58.33	-9.98	-0.11	-0.02	-0.70	-0.01	-6.67e-03
9	147	116.67	-8.75	-0.11	-0.01	-0.37	-0.02	-4.16e-03
9	147	175.00	-7.71	-0.12	-0.01	-0.15	-0.03	-1.46e-03
9	147	233.33	-6.83	-0.12	-6.18e-03	-0.03	-0.03	1.90e-03
9	147	291.67	-6.10	-0.13	9.17e-03	-2.51e-04	-0.02	5.81e-03
9	147	350.00	-5.14	-0.13	0.04	0.16	0.0	8.25e-03
9	151	0.0	-8.00	-0.16	-0.03	-0.81	0.0	-7.37e-03
9	151	58.33	-8.00	-0.16	-0.03	-0.90	-0.02	-8.80e-03
9	151	116.67	-6.68	-0.17	-0.02	-0.54	-0.03	-5.46e-03
9	151	175.00	-5.56	-0.18	-0.01	-0.31	-0.03	-1.91e-03
9	151	233.33	-4.60	-0.18	-8.15e-03	-0.17	-0.04	2.50e-03
9	151	291.67	-3.83	-0.19	0.01	-0.16	-0.03	7.65e-03
9	151	350.00	-2.90	-0.19	0.06	-0.05	0.0	0.01
9	152	0.0	-9.44	-0.10	-0.02	-0.60	0.0	-4.88e-03
9	152	58.33	-9.44	-0.10	-0.02	-0.66	-0.01	-5.83e-03
9	152	116.67	-8.26	-0.11	-0.01	-0.36	-0.02	-3.65e-03
9	152	175.00	-7.26	-0.12	-8.99e-03	-0.16	-0.02	-1.28e-03
9	152	233.33	-6.41	-0.12	-5.41e-03	-0.05	-0.03	1.66e-03
9	152	291.67	-5.69	-0.12	8.08e-03	-0.03	-0.02	5.09e-03
9	152	350.00	-4.75	-0.12	0.04	0.12	0.0	7.21e-03
9	155	0.0	-9.30	-0.10	-0.02	-0.59	0.0	-4.70e-03
9	155	58.33	-9.30	-0.10	-0.02	-0.65	-0.01	-5.62e-03
9	155	116.67	-8.14	-0.11	-0.01	-0.35	-0.02	-3.52e-03
9	155	175.00	-7.15	-0.12	-8.68e-03	-0.16	-0.02	-1.24e-03
9	155	233.33	-6.30	-0.12	-5.22e-03	-0.06	-0.03	1.60e-03
9	155	291.67	-5.58	-0.12	7.81e-03	-0.04	-0.02	4.91e-03
9	155	350.00	-4.66	-0.12	0.04	0.11	0.0	6.95e-03
9	156	0.0	-8.18	-0.15	-0.03	-0.78	0.0	-6.99e-03
9	156	58.33	-8.18	-0.15	-0.03	-0.86	-0.02	-8.34e-03
9	156	116.67	-6.89	-0.16	-0.02	-0.51	-0.03	-5.18e-03
9	156	175.00	-5.78	-0.17	-0.01	-0.29	-0.03	-1.81e-03
9	156	233.33	-4.84	-0.17	-7.73e-03	-0.16	-0.04	2.37e-03
9	156	291.67	-4.08	-0.18	0.01	-0.14	-0.03	7.25e-03
9	156	350.00	-3.15	-0.18	0.05	-0.03	0.0	0.01

M_S

N memb.

V memb.

V orto

M memb.

M orto

T

-192.46
176.09-41.20
40.90-0.17
0.12-145.61
143.97-0.13
0.07-0.06
0.09

Macro	Tipo	Angolo 1-Z (gradi)
10	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
10	3	350.00	-99.37	-3.87	0.0	-4.17	0.0	-6.39e-06
10	3	408.33	-99.37	-3.87	0.0	-1.91	0.0	-8.33e-06
10	3	466.67	-98.48	-3.87	0.0	0.35	0.0	-7.72e-06
10	3	525.00	-97.59	-3.87	0.0	2.60	0.0	-7.64e-06
10	3	583.33	-96.71	-3.87	0.0	4.86	0.0	-7.62e-06
10	3	641.67	-95.82	-3.87	0.0	7.12	0.0	-7.50e-06
10	3	700.00	-90.97	-0.16	0.0	6.25	0.0	-6.31e-06
10	4	350.00	-107.61	-3.97	0.0	-4.32	0.0	-6.37e-06
10	4	408.33	-107.61	-3.97	0.0	-2.01	0.0	-8.31e-06
10	4	466.67	-106.73	-3.97	0.0	0.31	0.0	-7.70e-06
10	4	525.00	-105.84	-3.97	0.0	2.62	0.0	-7.62e-06
10	4	583.33	-104.96	-3.97	0.0	4.93	0.0	-7.60e-06
10	4	641.67	-104.07	-3.97	0.0	7.25	0.0	-7.48e-06
10	4	700.00	-98.80	-0.34	0.0	6.38	0.0	-6.28e-06
10	5	350.00	-39.85	-1.13	0.0	-1.38	0.0	-1.80e-06
10	5	408.33	-39.85	-1.13	0.0	-0.72	0.0	-2.35e-06
10	5	466.67	-39.16	-1.13	0.0	-0.06	0.0	-2.18e-06
10	5	525.00	-38.48	-1.13	0.0	0.60	0.0	-2.16e-06
10	5	583.33	-37.80	-1.13	0.0	1.26	0.0	-2.15e-06
10	5	641.67	-37.12	-1.13	0.0	1.92	0.0	-2.12e-06
10	5	700.00	-34.84	-0.25	0.0	1.68	0.0	-1.76e-06
10	23	350.00	-60.51	-12.85	0.43	-35.79	0.12	-0.06
10	23	408.33	-60.51	-12.85	0.43	-34.56	0.12	-0.06
10	23	466.67	-58.83	-12.78	0.28	-27.28	0.32	-0.06
10	23	525.00	-57.52	-12.71	0.11	-20.08	0.42	-0.06
10	23	583.33	-55.40	-12.64	-0.08	-11.98	0.43	-0.06
10	23	641.67	-56.21	-12.57	-0.28	-5.83	0.34	-0.06
10	23	700.00	-51.85	-4.56	-0.46	0.50	0.13	-0.06
10	24	350.00	-60.33	-8.82	0.44	-25.18	0.12	-0.07
10	24	408.33	-60.33	-8.82	0.44	-23.96	0.12	-0.07
10	24	466.67	-57.59	-8.82	0.29	-19.25	0.32	-0.07
10	24	525.00	-57.77	-8.82	0.11	-13.92	0.43	-0.07
10	24	583.33	-58.77	-8.84	-0.08	-9.78	0.43	-0.07
10	24	641.67	-57.62	-8.86	-0.28	-4.47	0.34	-0.07
10	24	700.00	-49.49	-3.09	-0.46	-0.81	0.13	-0.06
10	34	350.00	-58.45	6.91	-0.06	23.10	-0.02	5.61e-03
10	34	408.33	-58.45	6.91	-0.06	24.32	-0.02	5.70e-03
10	34	466.67	-56.39	6.79	-0.03	19.99	-0.05	6.36e-03
10	34	525.00	-58.17	6.66	-7.94e-03	16.77	-0.06	6.97e-03
10	34	583.33	-62.68	6.52	0.02	10.09	-0.07	7.71e-03
10	34	641.67	-58.66	6.36	0.03	8.65	-0.06	8.47e-03
10	34	700.00	-50.14	3.24	0.07	2.27	-0.02	8.52e-03
10	36	350.00	-59.18	1.99	0.14	6.90	0.04	-0.03
10	36	408.33	-59.18	1.99	0.14	8.12	0.04	-0.03
10	36	466.67	-56.29	1.89	0.10	6.48	0.10	-0.03
10	36	525.00	-58.12	1.78	0.04	6.10	0.13	-0.03
10	36	583.33	-62.68	1.65	-0.02	2.19	0.12	-0.03
10	36	641.67	-58.88	1.51	-0.09	3.36	0.10	-0.03
10	36	700.00	-48.60	1.17	-0.14	0.09	0.04	-0.03
10	55	350.00	-61.06	-11.55	0.39	-31.83	0.11	-0.05
10	55	408.33	-61.06	-11.55	0.39	-30.60	0.11	-0.05
10	55	466.67	-58.90	-11.47	0.25	-24.17	0.28	-0.05
10	55	525.00	-57.50	-11.40	0.09	-17.77	0.37	-0.05
10	55	583.33	-55.26	-11.33	-0.07	-10.41	0.38	-0.05
10	55	641.67	-56.08	-11.25	-0.24	-5.12	0.29	-0.05
10	55	700.00	-51.02	-4.02	-0.39	1.11	0.11	-0.05
10	56	350.00	-60.78	-7.38	0.40	-20.83	0.11	-0.06
10	56	408.33	-60.78	-7.38	0.40	-19.61	0.11	-0.06
10	56	466.67	-57.51	-7.37	0.25	-15.85	0.29	-0.06
10	56	525.00	-57.77	-7.37	0.09	-11.34	0.38	-0.06
10	56	583.33	-58.92	-7.39	-0.07	-8.16	0.37	-0.06
10	56	641.67	-57.76	-7.41	-0.25	-3.73	0.29	-0.06
10	56	700.00	-48.46	-2.50	-0.39	-0.36	0.11	-0.05
10	66	350.00	-58.19	6.85	-0.06	22.86	-0.02	2.57e-03
10	66	408.33	-58.19	6.85	-0.06	24.09	-0.02	2.67e-03
10	66	466.67	-56.15	6.73	-0.02	19.79	-0.04	3.23e-03

10	66	525.00	-58.22	6.59	-4.90e-03	16.69	-0.05	3.88e-03
10	66	583.33	-63.18	6.45	0.02	9.83	-0.07	4.63e-03
10	66	641.67	-59.12	6.28	0.03	8.54	-0.05	5.36e-03
10	66	700.00	-49.97	3.20	0.06	1.86	-0.02	5.54e-03
10	68	350.00	-59.18	2.63	0.13	8.79	0.03	-0.03
10	68	408.33	-59.18	2.63	0.13	10.01	0.03	-0.03
10	68	466.67	-56.03	2.53	0.09	7.95	0.09	-0.03
10	68	525.00	-58.16	2.42	0.04	7.29	0.12	-0.03
10	68	583.33	-63.17	2.28	-0.02	2.77	0.11	-0.03
10	68	641.67	-59.34	2.13	-0.08	3.65	0.08	-0.03
10	68	700.00	-47.98	1.42	-0.12	-0.02	0.03	-0.02
10	87	350.00	-60.89	-10.39	0.34	-28.22	0.10	-0.05
10	87	408.33	-60.89	-10.39	0.34	-26.99	0.10	-0.05
10	87	466.67	-58.85	-10.31	0.22	-21.21	0.25	-0.05
10	87	525.00	-57.52	-10.25	0.08	-15.46	0.33	-0.04
10	87	583.33	-55.43	-10.19	-0.06	-8.84	0.33	-0.04
10	87	641.67	-56.08	-10.12	-0.21	-4.07	0.25	-0.04
10	87	700.00	-51.23	-3.55	-0.34	1.41	0.10	-0.04
10	88	350.00	-60.63	-6.67	0.35	-18.40	0.10	-0.05
10	88	408.33	-60.63	-6.67	0.35	-17.18	0.10	-0.05
10	88	466.67	-57.60	-6.66	0.22	-13.78	0.25	-0.05
10	88	525.00	-57.77	-6.66	0.08	-9.71	0.33	-0.05
10	88	583.33	-58.73	-6.67	-0.06	-6.83	0.33	-0.05
10	88	641.67	-57.62	-6.69	-0.22	-2.82	0.25	-0.05
10	88	700.00	-48.92	-2.19	-0.34	0.07	0.10	-0.05
10	98	350.00	-58.26	5.85	-0.05	20.04	-0.01	1.98e-03
10	98	408.33	-58.26	5.85	-0.05	21.27	-0.01	2.06e-03
10	98	466.67	-56.36	5.74	-0.02	17.58	-0.04	2.55e-03
10	98	525.00	-58.18	5.62	-4.08e-03	14.99	-0.05	3.13e-03
10	98	583.33	-62.57	5.49	0.01	9.00	-0.06	3.79e-03
10	98	641.67	-58.89	5.34	0.02	8.01	-0.04	4.44e-03
10	98	700.00	-50.31	2.83	0.05	1.98	-0.02	4.60e-03
10	100	350.00	-59.15	2.17	0.11	7.73	0.03	-0.03
10	100	408.33	-59.15	2.17	0.11	8.96	0.03	-0.03
10	100	466.67	-56.26	2.08	0.08	7.22	0.08	-0.03
10	100	525.00	-58.12	1.97	0.03	6.74	0.10	-0.02
10	100	583.33	-62.56	1.86	-0.02	2.80	0.09	-0.02
10	100	641.67	-59.08	1.72	-0.07	3.69	0.07	-0.02
10	100	700.00	-48.50	1.27	-0.11	0.32	0.03	-0.02
10	119	350.00	-60.56	-15.45	0.53	-43.88	0.15	-0.08
10	119	408.33	-60.56	-15.45	0.53	-42.66	0.15	-0.08
10	119	466.67	-58.90	-15.37	0.35	-33.86	0.39	-0.08
10	119	525.00	-57.49	-15.29	0.13	-25.18	0.53	-0.08
10	119	583.33	-55.13	-15.21	-0.10	-15.46	0.54	-0.08
10	119	641.67	-56.19	-15.13	-0.34	-7.96	0.42	-0.08
10	119	700.00	-51.97	-5.62	-0.57	-0.32	0.17	-0.07
10	120	350.00	-60.37	-10.76	0.53	-31.52	0.15	-0.09
10	120	408.33	-60.37	-10.76	0.53	-30.30	0.15	-0.09
10	120	466.67	-57.48	-10.75	0.36	-24.50	0.40	-0.09
10	120	525.00	-57.78	-10.76	0.14	-18.01	0.53	-0.09
10	120	583.33	-59.03	-10.78	-0.10	-12.89	0.54	-0.08
10	120	641.67	-57.77	-10.80	-0.34	-6.38	0.42	-0.08
10	120	700.00	-49.25	-3.91	-0.57	-1.83	0.16	-0.08
10	130	350.00	-58.40	8.57	-0.08	27.84	-0.02	7.96e-03
10	130	408.33	-58.40	8.57	-0.08	29.06	-0.02	8.06e-03
10	130	466.67	-56.10	8.43	-0.04	23.71	-0.06	8.88e-03
10	130	525.00	-58.24	8.28	-0.01	19.63	-0.08	9.58e-03
10	130	583.33	-63.55	8.11	0.02	11.57	-0.09	0.01
10	130	641.67	-58.94	7.93	0.04	9.59	-0.07	0.01
10	130	700.00	-49.60	3.87	0.08	2.22	-0.03	0.01
10	132	350.00	-59.17	2.42	0.17	7.66	0.05	-0.04
10	132	408.33	-59.17	2.42	0.17	8.88	0.05	-0.04
10	132	466.67	-55.97	2.31	0.12	6.92	0.12	-0.04
10	132	525.00	-58.18	2.18	0.05	6.41	0.16	-0.04
10	132	583.33	-63.55	2.03	-0.03	1.82	0.16	-0.04
10	132	641.67	-59.19	1.86	-0.11	3.13	0.12	-0.03
10	132	700.00	-47.98	1.29	-0.18	-0.50	0.05	-0.03
10	143	350.00	-42.60	-1.24	0.0	-1.49	0.0	-1.96e-06
10	143	408.33	-42.60	-1.24	0.0	-0.77	0.0	-2.56e-06
10	143	466.67	-41.91	-1.24	0.0	-0.05	0.0	-2.37e-06
10	143	525.00	-41.23	-1.24	0.0	0.68	0.0	-2.35e-06
10	143	583.33	-40.55	-1.24	0.0	1.40	0.0	-2.34e-06
10	143	641.67	-39.87	-1.24	0.0	2.12	0.0	-2.31e-06
10	143	700.00	-37.48	-0.26	0.0	1.85	0.0	-1.92e-06
10	145	350.00	-70.09	-2.68	0.0	-2.91	0.0	-4.41e-06

10	145	408.33	-70.09	-2.68	0.0	-1.35	0.0	-5.76e-06
10	145	466.67	-69.41	-2.68	0.0	0.22	0.0	-5.33e-06
10	145	525.00	-68.73	-2.68	0.0	1.78	0.0	-5.28e-06
10	145	583.33	-68.05	-2.68	0.0	3.34	0.0	-5.27e-06
10	145	641.67	-67.37	-2.68	0.0	4.90	0.0	-5.18e-06
10	145	700.00	-63.89	-0.13	0.0	4.30	0.0	-4.36e-06
10	146	350.00	-75.59	-2.74	0.0	-3.00	0.0	-4.40e-06
10	146	408.33	-75.59	-2.74	0.0	-1.41	0.0	-5.74e-06
10	146	466.67	-74.91	-2.74	0.0	0.19	0.0	-5.32e-06
10	146	525.00	-74.23	-2.74	0.0	1.79	0.0	-5.26e-06
10	146	583.33	-73.55	-2.74	0.0	3.38	0.0	-5.25e-06
10	146	641.67	-72.86	-2.74	0.0	4.98	0.0	-5.17e-06
10	146	700.00	-69.11	-0.25	0.0	4.38	0.0	-4.34e-06
10	150	350.00	-42.60	-1.24	0.0	-1.49	0.0	-1.96e-06
10	150	408.33	-42.60	-1.24	0.0	-0.77	0.0	-2.56e-06
10	150	466.67	-41.91	-1.24	0.0	-0.05	0.0	-2.37e-06
10	150	525.00	-41.23	-1.24	0.0	0.68	0.0	-2.35e-06
10	150	583.33	-40.55	-1.24	0.0	1.40	0.0	-2.34e-06
10	150	641.67	-39.87	-1.24	0.0	2.12	0.0	-2.31e-06
10	150	700.00	-37.48	-0.26	0.0	1.85	0.0	-1.92e-06
10	151	350.00	-61.84	-2.24	0.0	-2.48	0.0	-3.68e-06
10	151	408.33	-61.84	-2.24	0.0	-1.17	0.0	-4.80e-06
10	151	466.67	-61.16	-2.24	0.0	0.14	0.0	-4.44e-06
10	151	525.00	-60.48	-2.24	0.0	1.45	0.0	-4.40e-06
10	151	583.33	-59.80	-2.24	0.0	2.76	0.0	-4.39e-06
10	151	641.67	-59.12	-2.24	0.0	4.06	0.0	-4.32e-06
10	151	700.00	-55.97	-0.17	0.0	3.56	0.0	-3.63e-06
10	155	350.00	-42.60	-1.24	0.0	-1.49	0.0	-1.96e-06
10	155	408.33	-42.60	-1.24	0.0	-0.77	0.0	-2.56e-06
10	155	466.67	-41.91	-1.24	0.0	-0.05	0.0	-2.37e-06
10	155	525.00	-41.23	-1.24	0.0	0.68	0.0	-2.35e-06
10	155	583.33	-40.55	-1.24	0.0	1.40	0.0	-2.34e-06
10	155	641.67	-39.87	-1.24	0.0	2.12	0.0	-2.31e-06
10	155	700.00	-37.48	-0.26	0.0	1.85	0.0	-1.92e-06
10	156	350.00	-59.09	-2.10	0.0	-2.34	0.0	-3.43e-06
10	156	408.33	-59.09	-2.10	0.0	-1.11	0.0	-4.48e-06
10	156	466.67	-58.41	-2.10	0.0	0.11	0.0	-4.15e-06
10	156	525.00	-57.73	-2.10	0.0	1.34	0.0	-4.11e-06
10	156	583.33	-57.05	-2.10	0.0	2.56	0.0	-4.10e-06
10	156	641.67	-56.37	-2.10	0.0	3.79	0.0	-4.03e-06
10	156	700.00	-53.32	-0.18	0.0	3.32	0.0	-3.38e-06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-107.61	-15.45	-0.57	-43.88	-0.09	-0.09
	-34.84	8.57	0.53	29.06	0.54	0.01

Macro	Tipo	Angolo 1-Z (gradi)
11	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
11	4	350.00	-107.61	-3.96	0.0	-4.31	0.0	-6.56e-06
11	4	408.33	-107.61	-3.96	0.0	-2.00	0.0	-8.55e-06
11	4	466.67	-106.73	-3.96	0.0	0.31	0.0	-7.92e-06
11	4	525.00	-105.84	-3.96	0.0	2.62	0.0	-7.83e-06
11	4	583.33	-104.96	-3.96	0.0	4.94	0.0	-7.81e-06
11	4	641.67	-104.07	-3.96	0.0	7.25	0.0	-7.69e-06
11	4	700.00	-98.80	-0.34	0.0	6.38	0.0	-6.65e-06
11	5	350.00	-39.85	-1.13	0.0	-1.38	0.0	-1.89e-06
11	5	408.33	-39.85	-1.13	0.0	-0.72	0.0	-2.46e-06
11	5	466.67	-39.16	-1.13	0.0	-0.06	0.0	-2.28e-06
11	5	525.00	-38.48	-1.13	0.0	0.60	0.0	-2.25e-06
11	5	583.33	-37.80	-1.13	0.0	1.26	0.0	-2.25e-06
11	5	641.67	-37.12	-1.13	0.0	1.92	0.0	-2.21e-06
11	5	700.00	-34.84	-0.25	0.0	1.68	0.0	-1.93e-06
11	24	350.00	-57.62	8.31	0.44	30.20	0.12	-0.07
11	24	408.33	-57.62	8.31	0.44	31.42	0.12	-0.07
11	24	466.67	-58.07	8.23	0.29	26.82	0.32	-0.07
11	24	525.00	-57.90	8.17	0.11	22.24	0.43	-0.07
11	24	583.33	-58.44	8.10	-0.08	16.92	0.43	-0.07
11	24	641.67	-56.51	8.02	-0.28	13.28	0.34	-0.07
11	24	700.00	-54.93	4.05	-0.46	6.19	0.13	-0.06

11	29	350.00	-60.51	-12.87	-0.43	-35.82	-0.12	0.06
11	29	408.33	-60.51	-12.87	-0.43	-34.60	-0.12	0.06
11	29	466.67	-58.83	-12.80	-0.28	-27.31	-0.32	0.06
11	29	525.00	-57.52	-12.73	-0.11	-20.09	-0.42	0.06
11	29	583.33	-55.40	-12.66	0.08	-11.99	-0.43	0.06
11	29	641.67	-56.22	-12.59	0.28	-5.82	-0.34	0.06
11	29	700.00	-51.85	-4.56	0.46	0.51	-0.13	0.06
11	40	350.00	-58.45	6.92	0.06	23.12	0.02	-5.67e-03
11	40	408.33	-58.45	6.92	0.06	24.34	0.02	-5.76e-03
11	40	466.67	-56.40	6.80	0.03	20.00	0.05	-6.42e-03
11	40	525.00	-58.17	6.68	7.97e-03	16.77	0.06	-7.03e-03
11	40	583.33	-62.67	6.53	-0.02	10.09	0.07	-7.77e-03
11	40	641.67	-58.65	6.37	-0.03	8.64	0.06	-8.52e-03
11	40	700.00	-50.15	3.24	-0.07	2.26	0.02	-8.57e-03
11	46	350.00	-59.18	1.99	-0.14	6.89	-0.04	0.03
11	46	408.33	-59.18	1.99	-0.14	8.12	-0.04	0.03
11	46	466.67	-56.29	1.90	-0.10	6.48	-0.10	0.03
11	46	525.00	-58.12	1.78	-0.04	6.09	-0.13	0.03
11	46	583.33	-62.67	1.65	0.02	2.19	-0.12	0.03
11	46	641.67	-58.87	1.51	0.09	3.35	-0.10	0.03
11	46	700.00	-48.62	1.17	0.14	0.09	-0.04	0.03
11	56	350.00	-57.09	7.02	0.40	26.30	0.11	-0.06
11	56	408.33	-57.09	7.02	0.40	27.52	0.11	-0.06
11	56	466.67	-58.00	6.94	0.25	23.76	0.29	-0.06
11	56	525.00	-57.92	6.87	0.09	19.98	0.38	-0.06
11	56	583.33	-58.61	6.80	-0.07	15.37	0.37	-0.06
11	56	641.67	-56.63	6.72	-0.25	12.59	0.29	-0.06
11	56	700.00	-55.74	3.52	-0.39	5.59	0.11	-0.05
11	61	350.00	-61.05	-11.56	-0.39	-31.85	-0.11	0.05
11	61	408.33	-61.05	-11.56	-0.39	-30.63	-0.11	0.05
11	61	466.67	-58.89	-11.48	-0.25	-24.19	-0.28	0.05
11	61	525.00	-57.50	-11.41	-0.09	-17.79	-0.37	0.05
11	61	583.33	-55.26	-11.34	0.07	-10.42	-0.38	0.05
11	61	641.67	-56.08	-11.27	0.24	-5.12	-0.29	0.05
11	61	700.00	-51.02	-4.03	0.39	1.11	-0.11	0.05
11	72	350.00	-58.20	6.86	0.06	22.88	0.02	-2.64e-03
11	72	408.33	-58.20	6.86	0.06	24.10	0.02	-2.74e-03
11	72	466.67	-56.15	6.74	0.02	19.80	0.04	-3.29e-03
11	72	525.00	-58.22	6.61	4.94e-03	16.70	0.05	-3.95e-03
11	72	583.33	-63.16	6.46	-0.02	9.83	0.07	-4.69e-03
11	72	641.67	-59.12	6.29	-0.03	8.54	0.05	-5.42e-03
11	72	700.00	-49.98	3.21	-0.06	1.86	0.02	-5.59e-03
11	78	350.00	-59.18	2.64	-0.13	8.79	-0.03	0.03
11	78	408.33	-59.18	2.64	-0.13	10.02	-0.03	0.03
11	78	466.67	-56.04	2.54	-0.09	7.95	-0.09	0.03
11	78	525.00	-58.16	2.42	-0.04	7.28	-0.12	0.03
11	78	583.33	-63.16	2.29	0.02	2.77	-0.11	0.03
11	78	641.67	-59.34	2.14	0.08	3.64	-0.08	0.03
11	78	700.00	-47.99	1.42	0.12	-0.03	-0.03	0.02
11	88	350.00	-57.26	5.90	0.35	22.79	0.10	-0.05
11	88	408.33	-57.26	5.90	0.35	24.02	0.10	-0.05
11	88	466.67	-58.03	5.82	0.22	20.88	0.25	-0.05
11	88	525.00	-57.91	5.76	0.08	17.72	0.33	-0.05
11	88	583.33	-58.46	5.70	-0.06	13.82	0.33	-0.05
11	88	641.67	-56.63	5.63	-0.22	11.56	0.25	-0.05
11	88	700.00	-55.52	3.06	-0.34	5.29	0.10	-0.05
11	93	350.00	-60.88	-10.40	-0.34	-28.24	-0.10	0.05
11	93	408.33	-60.88	-10.40	-0.34	-27.02	-0.10	0.05
11	93	466.67	-58.85	-10.33	-0.22	-21.23	-0.25	0.05
11	93	525.00	-57.52	-10.26	-0.08	-15.47	-0.33	0.04
11	93	583.33	-55.43	-10.20	0.06	-8.85	-0.33	0.04
11	93	641.67	-56.08	-10.13	0.21	-4.07	-0.25	0.04
11	93	700.00	-51.22	-3.55	0.34	1.41	-0.10	0.04
11	104	350.00	-58.26	5.86	0.05	20.06	0.01	-2.04e-03
11	104	408.33	-58.26	5.86	0.05	21.28	0.01	-2.12e-03
11	104	466.67	-56.37	5.75	0.02	17.59	0.04	-2.61e-03
11	104	525.00	-58.18	5.63	4.10e-03	14.99	0.05	-3.19e-03
11	104	583.33	-62.56	5.50	-0.01	9.00	0.06	-3.85e-03
11	104	641.67	-58.88	5.35	-0.02	8.00	0.04	-4.49e-03
11	104	700.00	-50.32	2.83	-0.05	1.97	0.02	-4.65e-03
11	110	350.00	-59.16	2.17	-0.11	7.74	-0.03	0.03
11	110	408.33	-59.16	2.17	-0.11	8.96	-0.03	0.03
11	110	466.67	-56.27	2.08	-0.08	7.22	-0.08	0.03
11	110	525.00	-58.12	1.98	-0.03	6.74	-0.10	0.02
11	110	583.33	-62.55	1.86	0.02	2.80	-0.09	0.02

11	110	641.67	-59.07	1.73	0.07	3.69	-0.07	0.02
11	110	700.00	-48.51	1.27	0.11	0.32	-0.03	0.02
11	120	350.00	-57.57	10.85	0.53	38.12	0.15	-0.09
11	120	408.33	-57.57	10.85	0.53	39.34	0.15	-0.09
11	120	466.67	-58.02	10.76	0.36	33.26	0.40	-0.09
11	120	525.00	-57.93	10.68	0.14	27.24	0.53	-0.09
11	120	583.33	-58.65	10.60	-0.10	20.36	0.54	-0.08
11	120	641.67	-56.53	10.52	-0.34	15.39	0.42	-0.08
11	120	700.00	-54.84	5.09	-0.57	7.03	0.16	-0.08
11	125	350.00	-60.56	-15.48	-0.53	-43.93	-0.15	0.08
11	125	408.33	-60.56	-15.48	-0.53	-42.70	-0.15	0.08
11	125	466.67	-58.89	-15.39	-0.35	-33.89	-0.39	0.08
11	125	525.00	-57.49	-15.32	-0.13	-25.20	-0.53	0.08
11	125	583.33	-55.13	-15.24	0.10	-15.46	-0.54	0.08
11	125	641.67	-56.19	-15.15	0.34	-7.96	-0.42	0.08
11	125	700.00	-51.97	-5.63	0.57	-0.32	-0.17	0.07
11	136	350.00	-58.40	8.59	0.08	27.86	0.02	-8.03e-03
11	136	408.33	-58.40	8.59	0.08	29.08	0.02	-8.13e-03
11	136	466.67	-56.10	8.45	0.04	23.72	0.06	-8.95e-03
11	136	525.00	-58.24	8.30	0.01	19.64	0.08	-9.64e-03
11	136	583.33	-63.54	8.13	-0.02	11.57	0.09	-0.01
11	136	641.67	-58.93	7.94	-0.04	9.59	0.07	-0.01
11	136	700.00	-49.62	3.88	-0.08	2.22	0.03	-0.01
11	142	350.00	-59.18	2.43	-0.17	7.66	-0.05	0.04
11	142	408.33	-59.18	2.43	-0.17	8.88	-0.05	0.04
11	142	466.67	-55.98	2.31	-0.12	6.92	-0.12	0.04
11	142	525.00	-58.18	2.18	-0.05	6.40	-0.16	0.04
11	142	583.33	-63.53	2.03	0.03	1.82	-0.16	0.04
11	142	641.67	-59.18	1.86	0.11	3.13	-0.12	0.03
11	142	700.00	-48.00	1.29	0.18	-0.50	-0.05	0.03
11	143	350.00	-42.60	-1.24	0.0	-1.49	0.0	-2.05e-06
11	143	408.33	-42.60	-1.24	0.0	-0.77	0.0	-2.68e-06
11	143	466.67	-41.91	-1.24	0.0	-0.05	0.0	-2.48e-06
11	143	525.00	-41.23	-1.24	0.0	0.68	0.0	-2.45e-06
11	143	583.33	-40.55	-1.24	0.0	1.40	0.0	-2.44e-06
11	143	641.67	-39.87	-1.24	0.0	2.12	0.0	-2.41e-06
11	143	700.00	-37.48	-0.26	0.0	1.85	0.0	-2.10e-06
11	146	350.00	-75.59	-2.74	0.0	-3.00	0.0	-4.54e-06
11	146	408.33	-75.59	-2.74	0.0	-1.40	0.0	-5.91e-06
11	146	466.67	-74.91	-2.74	0.0	0.19	0.0	-5.47e-06
11	146	525.00	-74.23	-2.74	0.0	1.79	0.0	-5.41e-06
11	146	583.33	-73.55	-2.74	0.0	3.38	0.0	-5.40e-06
11	146	641.67	-72.86	-2.74	0.0	4.98	0.0	-5.32e-06
11	146	700.00	-69.11	-0.25	0.0	4.38	0.0	-4.60e-06
11	150	350.00	-42.60	-1.24	0.0	-1.49	0.0	-2.05e-06
11	150	408.33	-42.60	-1.24	0.0	-0.77	0.0	-2.68e-06
11	150	466.67	-41.91	-1.24	0.0	-0.05	0.0	-2.48e-06
11	150	525.00	-41.23	-1.24	0.0	0.68	0.0	-2.45e-06
11	150	583.33	-40.55	-1.24	0.0	1.40	0.0	-2.44e-06
11	150	641.67	-39.87	-1.24	0.0	2.12	0.0	-2.41e-06
11	150	700.00	-37.48	-0.26	0.0	1.85	0.0	-2.10e-06
11	151	350.00	-61.84	-2.24	0.0	-2.48	0.0	-3.78e-06
11	151	408.33	-61.84	-2.24	0.0	-1.17	0.0	-4.93e-06
11	151	466.67	-61.16	-2.24	0.0	0.14	0.0	-4.57e-06
11	151	525.00	-60.48	-2.24	0.0	1.45	0.0	-4.52e-06
11	151	583.33	-59.80	-2.24	0.0	2.76	0.0	-4.50e-06
11	151	641.67	-59.12	-2.24	0.0	4.06	0.0	-4.44e-06
11	151	700.00	-55.97	-0.17	0.0	3.56	0.0	-3.83e-06
11	155	350.00	-42.60	-1.24	0.0	-1.49	0.0	-2.05e-06
11	155	408.33	-42.60	-1.24	0.0	-0.77	0.0	-2.68e-06
11	155	466.67	-41.91	-1.24	0.0	-0.05	0.0	-2.48e-06
11	155	525.00	-41.23	-1.24	0.0	0.68	0.0	-2.45e-06
11	155	583.33	-40.55	-1.24	0.0	1.40	0.0	-2.44e-06
11	155	641.67	-39.87	-1.24	0.0	2.12	0.0	-2.41e-06
11	155	700.00	-37.48	-0.26	0.0	1.85	0.0	-2.10e-06
11	156	350.00	-59.09	-2.10	0.0	-2.34	0.0	-3.54e-06
11	156	408.33	-59.09	-2.10	0.0	-1.11	0.0	-4.61e-06
11	156	466.67	-58.41	-2.10	0.0	0.11	0.0	-4.27e-06
11	156	525.00	-57.73	-2.10	0.0	1.34	0.0	-4.22e-06
11	156	583.33	-57.05	-2.10	0.0	2.56	0.0	-4.21e-06
11	156	641.67	-56.37	-2.10	0.0	3.79	0.0	-4.15e-06
11	156	700.00	-53.32	-0.18	0.0	3.32	0.0	-3.59e-06

M_S

N memb.
-107.61V memb.
-15.48V orto
-0.57M memb.
-43.93M orto
-0.54T
-0.09

-34.84 10.85 0.57 39.34 0.54 0.08

Macro	Tipo	Angolo 1-Z (gradi)
12	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
12	3	350.00	-175.73	3.77	0.12	-195.21	0.0	6.03e-03
12	3	408.33	-175.73	3.77	0.12	-197.41	0.07	5.56e-03
12	3	466.67	-172.27	3.82	-0.01	-200.84	0.06	3.82e-03
12	3	525.00	-170.44	3.85	-0.05	-204.72	0.03	2.18e-03
12	3	583.33	-169.24	3.85	-0.04	-208.83	9.29e-03	7.74e-04
12	3	641.67	-168.48	3.88	-0.02	-213.04	-1.13e-03	-5.86e-04
12	3	700.00	-163.07	1.38	0.03	-200.70	6.66e-03	-2.53e-03
12	4	350.00	-194.02	3.86	0.12	-206.88	0.0	5.63e-03
12	4	408.33	-194.02	3.86	0.12	-209.14	0.07	5.15e-03
12	4	466.67	-190.58	3.92	-0.02	-212.62	0.06	3.41e-03
12	4	525.00	-188.87	3.94	-0.05	-216.58	0.03	1.79e-03
12	4	583.33	-187.82	3.95	-0.04	-220.82	4.98e-03	4.50e-04
12	4	641.67	-187.24	3.97	-0.01	-225.21	-3.69e-03	-8.10e-04
12	4	700.00	-181.16	1.67	0.03	-212.99	9.45e-03	-2.34e-03
12	5	350.00	-86.90	1.10	0.04	-61.61	0.0	1.29e-03
12	5	408.33	-86.90	1.10	0.04	-62.25	0.02	1.15e-03
12	5	466.67	-83.85	1.11	-7.33e-03	-63.48	0.02	6.50e-04
12	5	525.00	-81.53	1.13	-0.02	-64.74	8.81e-03	1.95e-04
12	5	583.33	-79.46	1.13	-0.02	-66.15	-3.06e-04	-1.57e-04
12	5	641.67	-77.55	1.14	-4.36e-03	-67.72	-2.85e-03	-4.31e-04
12	5	700.00	-72.92	0.88	0.01	-65.68	2.79e-03	-6.25e-04
12	11	350.00	-196.50	3.32	0.11	-188.04	0.0	4.02e-03
12	11	408.33	-196.50	3.32	0.11	-189.98	0.06	3.60e-03
12	11	466.67	-192.94	3.37	-0.02	-193.02	0.05	2.16e-03
12	11	525.00	-191.04	3.39	-0.05	-196.45	0.02	8.62e-04
12	11	583.33	-189.75	3.40	-0.04	-200.21	-2.28e-03	-1.63e-04
12	11	641.67	-188.89	3.42	-8.31e-03	-204.21	-7.13e-03	-1.04e-03
12	11	700.00	-181.91	1.92	0.04	-194.74	0.01	-1.67e-03
12	19	350.00	-347.85	43.00	-1.27	392.57	-0.60	-0.47
12	19	408.33	-347.85	43.00	-1.27	391.37	-0.56	-0.46
12	19	466.67	-317.91	43.37	-0.39	342.18	-1.43	-0.43
12	19	525.00	-290.03	43.67	0.81	292.94	-1.41	-0.38
12	19	583.33	-264.69	43.84	1.31	243.66	-0.30	-0.35
12	19	641.67	-231.77	44.05	1.70	199.28	0.94	-0.32
12	19	700.00	-207.84	37.40	1.84	162.44	1.79	-0.22
12	22	350.00	123.14	-38.92	1.41	-608.81	0.60	0.48
12	22	408.33	123.14	-38.92	1.41	-610.00	0.64	0.47
12	22	466.67	98.89	-39.23	0.37	-564.75	1.50	0.43
12	22	525.00	74.70	-39.49	-0.87	-519.84	1.45	0.39
12	22	583.33	52.30	-39.66	-1.36	-475.21	0.31	0.35
12	22	641.67	21.80	-39.84	-1.72	-435.73	-0.94	0.32
12	22	700.00	6.64	-35.45	-1.81	-387.00	-1.78	0.21
12	28	350.00	-310.85	86.58	-1.23	507.88	-0.49	-0.45
12	28	408.33	-310.85	86.58	-1.23	506.69	-0.45	-0.44
12	28	466.67	-284.84	86.90	-0.23	442.66	-1.09	-0.41
12	28	525.00	-261.06	86.86	0.79	378.77	-1.05	-0.37
12	28	583.33	-239.88	86.56	1.19	315.18	-0.04	-0.34
12	28	641.67	-208.41	86.30	1.57	247.02	1.00	-0.32
12	28	700.00	-191.32	72.47	1.60	204.88	1.66	-0.21
12	30	350.00	99.79	-47.63	1.64	-606.76	0.55	0.48
12	30	408.33	99.79	-47.63	1.64	-607.96	0.59	0.48
12	30	466.67	78.19	-47.99	0.31	-561.92	1.35	0.44
12	30	525.00	56.67	-48.27	-0.81	-516.18	1.21	0.41
12	30	583.33	36.94	-48.40	-1.25	-470.72	0.25	0.37
12	30	641.67	9.70	-48.60	-1.56	-430.35	-0.88	0.35
12	30	700.00	-3.35	-42.62	-1.57	-380.32	-1.65	0.24
12	51	350.00	-313.94	34.81	-1.02	314.49	-0.53	-0.41
12	51	408.33	-313.94	34.81	-1.02	313.29	-0.49	-0.40
12	51	466.67	-288.07	35.25	-0.35	272.00	-1.30	-0.37
12	51	525.00	-264.33	35.61	0.74	230.64	-1.31	-0.33
12	51	583.33	-243.18	35.82	1.11	189.21	-0.27	-0.30
12	51	641.67	-212.14	36.07	1.43	153.11	0.96	-0.28
12	51	700.00	-191.83	30.67	1.52	121.67	1.62	-0.19
12	54	350.00	89.23	-30.73	1.16	-530.73	0.53	0.42
12	54	408.33	89.23	-30.73	1.16	-531.93	0.57	0.41

12	54	466.67	69.05	-31.11	0.34	-494.57	1.37	0.37
12	54	525.00	48.99	-31.43	-0.80	-457.54	1.34	0.34
12	54	583.33	30.79	-31.64	-1.16	-420.76	0.28	0.30
12	54	641.67	2.18	-31.86	-1.45	-389.56	-0.96	0.28
12	54	700.00	-9.37	-28.72	-1.49	-346.23	-1.61	0.19
12	76	350.00	-138.44	78.90	0.23	232.52	-0.02	-0.06
12	76	408.33	-138.44	78.90	0.23	231.32	0.02	-0.06
12	76	466.67	-132.04	78.87	0.10	191.64	0.07	-0.05
12	76	525.00	-127.29	78.31	0.27	152.24	-0.04	-0.04
12	76	583.33	-123.71	77.55	0.24	113.42	0.35	-0.04
12	76	641.67	-110.90	76.73	0.40	57.46	0.52	-0.03
12	76	700.00	-111.63	63.50	0.38	45.53	0.44	-9.85e-03
12	83	350.00	-287.75	30.29	-0.87	259.01	-0.46	-0.36
12	83	408.33	-287.75	30.29	-0.87	257.81	-0.42	-0.35
12	83	466.67	-264.90	30.69	-0.31	221.76	-1.14	-0.32
12	83	525.00	-244.06	31.01	0.65	185.62	-1.15	-0.29
12	83	583.33	-225.58	31.21	0.96	149.39	-0.24	-0.27
12	83	641.67	-198.03	31.43	1.24	117.93	0.85	-0.25
12	83	700.00	-179.89	26.65	1.32	91.22	1.42	-0.17
12	86	350.00	63.04	-26.20	1.01	-475.25	0.46	0.36
12	86	408.33	63.04	-26.20	1.01	-476.44	0.50	0.36
12	86	466.67	45.88	-26.54	0.29	-444.33	1.21	0.33
12	86	525.00	28.73	-26.84	-0.71	-412.51	1.19	0.29
12	86	583.33	13.18	-27.03	-1.01	-380.95	0.24	0.27
12	86	641.67	-11.93	-27.22	-1.26	-354.38	-0.86	0.25
12	86	700.00	-21.30	-24.70	-1.29	-315.78	-1.41	0.17
12	108	350.00	-134.31	70.27	0.23	192.67	-0.01	-0.05
12	108	408.33	-134.31	70.27	0.23	191.48	0.03	-0.05
12	108	466.67	-128.44	70.25	0.09	156.19	0.08	-0.05
12	108	525.00	-124.15	69.76	0.23	121.13	-0.03	-0.04
12	108	583.33	-120.95	69.08	0.20	86.58	0.32	-0.03
12	108	641.67	-109.45	68.35	0.35	36.67	0.46	-0.02
12	108	700.00	-109.78	56.48	0.33	26.97	0.39	-7.69e-03
12	115	350.00	-405.13	54.07	-1.62	517.67	-0.74	-0.58
12	115	408.33	-405.13	54.07	-1.62	516.48	-0.70	-0.57
12	115	466.67	-368.54	54.48	-0.47	455.28	-1.76	-0.53
12	115	525.00	-334.20	54.81	0.99	394.07	-1.73	-0.48
12	115	583.33	-302.76	54.99	1.64	332.85	-0.37	-0.43
12	115	641.67	-263.10	55.22	2.13	277.27	1.10	-0.40
12	115	700.00	-234.13	47.02	2.31	230.22	2.20	-0.27
12	118	350.00	180.42	-49.98	1.76	-733.91	0.74	0.59
12	118	408.33	180.42	-49.98	1.76	-735.11	0.78	0.58
12	118	466.67	149.52	-50.33	0.46	-677.85	1.83	0.53
12	118	525.00	118.87	-50.63	-1.05	-620.96	1.76	0.48
12	118	583.33	90.36	-50.81	-1.69	-564.41	0.38	0.43
12	118	641.67	53.13	-51.01	-2.15	-513.71	-1.11	0.40
12	118	700.00	32.93	-45.06	-2.27	-454.78	-2.19	0.26
12	124	350.00	-365.77	107.18	-1.63	665.94	-0.63	-0.57
12	124	408.33	-365.77	107.18	-1.63	664.75	-0.59	-0.56
12	124	466.67	-333.32	107.57	-0.30	584.80	-1.39	-0.52
12	124	525.00	-303.28	107.50	0.98	505.05	-1.32	-0.48
12	124	583.33	-276.17	107.15	1.52	425.68	-0.08	-0.43
12	124	641.67	-238.20	106.83	2.01	341.10	1.17	-0.41
12	124	700.00	-216.74	89.90	2.07	286.54	2.06	-0.27
12	126	350.00	157.01	-62.45	2.08	-745.57	0.70	0.61
12	126	408.33	157.01	-62.45	2.08	-746.76	0.74	0.60
12	126	466.67	128.74	-62.89	0.39	-687.13	1.67	0.56
12	126	525.00	100.73	-63.20	-0.99	-627.83	1.51	0.51
12	126	583.33	74.84	-63.35	-1.59	-568.83	0.32	0.47
12	126	641.67	41.32	-63.58	-2.00	-515.62	-1.03	0.44
12	126	700.00	23.13	-55.42	-2.03	-453.96	-2.05	0.30
12	143	350.00	-91.28	1.20	0.05	-67.43	0.0	1.43e-03
12	143	408.33	-91.28	1.20	0.05	-68.13	0.03	1.27e-03
12	143	466.67	-88.25	1.22	-7.79e-03	-69.44	0.02	7.28e-04
12	143	525.00	-85.99	1.23	-0.02	-70.80	9.37e-03	2.34e-04
12	143	583.33	-83.99	1.23	-0.02	-72.32	-3.50e-04	-1.51e-04
12	143	641.67	-82.17	1.24	-4.55e-03	-73.99	-3.00e-03	-4.55e-04
12	143	700.00	-77.50	0.92	0.01	-71.57	3.19e-03	-6.75e-04
12	145	350.00	-126.41	2.61	0.09	-135.25	0.0	4.12e-03
12	145	408.33	-126.41	2.61	0.09	-136.77	0.05	3.79e-03
12	145	466.67	-123.68	2.64	-8.45e-03	-139.18	0.04	2.59e-03
12	145	525.00	-122.12	2.66	-0.04	-141.88	0.02	1.46e-03
12	145	583.33	-121.00	2.66	-0.03	-144.75	6.18e-03	4.91e-04
12	145	641.67	-120.19	2.68	-0.01	-147.71	-1.05e-03	-4.36e-04
12	145	700.00	-116.00	1.02	0.02	-139.42	4.60e-03	-1.74e-03

12	146	350.00	-138.60	2.66	0.09	-143.03	0.0	3.85e-03
12	146	408.33	-138.60	2.66	0.09	-144.59	0.05	3.52e-03
12	146	466.67	-135.89	2.70	-0.01	-147.03	0.04	2.32e-03
12	146	525.00	-134.41	2.72	-0.04	-149.79	0.02	1.20e-03
12	146	583.33	-133.39	2.73	-0.03	-152.75	3.30e-03	2.75e-04
12	146	641.67	-132.70	2.74	-0.01	-155.83	-2.76e-03	-5.85e-04
12	146	700.00	-128.05	1.21	0.02	-147.61	6.46e-03	-1.62e-03
12	149	350.00	-140.26	2.30	0.07	-130.47	0.0	2.78e-03
12	149	408.33	-140.26	2.30	0.07	-131.82	0.04	2.49e-03
12	149	466.67	-137.46	2.34	-0.01	-133.96	0.04	1.48e-03
12	149	525.00	-135.85	2.36	-0.04	-136.37	0.01	5.80e-04
12	149	583.33	-134.68	2.36	-0.03	-139.01	-1.54e-03	-1.33e-04
12	149	641.67	-133.80	2.38	-6.02e-03	-141.83	-5.05e-03	-7.40e-04
12	149	700.00	-128.56	1.37	0.03	-135.44	7.90e-03	-1.17e-03
12	150	350.00	-91.28	1.20	0.05	-67.43	0.0	1.43e-03
12	150	408.33	-91.28	1.20	0.05	-68.13	0.03	1.27e-03
12	150	466.67	-88.25	1.22	-7.79e-03	-69.44	0.02	7.28e-04
12	150	525.00	-85.99	1.23	-0.02	-70.80	9.37e-03	2.34e-04
12	150	583.33	-83.99	1.23	-0.02	-72.32	-3.50e-04	-1.51e-04
12	150	641.67	-82.17	1.24	-4.55e-03	-73.99	-3.00e-03	-4.55e-04
12	150	700.00	-77.50	0.92	0.01	-71.57	3.19e-03	-6.75e-04
12	151	350.00	-115.87	2.18	0.07	-114.90	0.0	3.31e-03
12	151	408.33	-115.87	2.18	0.07	-116.18	0.04	3.04e-03
12	151	466.67	-113.05	2.22	-8.25e-03	-118.26	0.04	2.03e-03
12	151	525.00	-111.28	2.23	-0.03	-120.56	0.02	1.09e-03
12	151	583.33	-109.90	2.23	-0.03	-123.02	4.22e-03	2.99e-04
12	151	641.67	-108.79	2.25	-0.01	-125.60	-1.64e-03	-4.41e-04
12	151	700.00	-104.45	0.99	0.02	-119.06	4.18e-03	-1.42e-03
12	154	350.00	-117.23	2.07	0.07	-111.23	0.0	2.94e-03
12	154	408.33	-117.23	2.07	0.07	-112.45	0.04	2.68e-03
12	154	466.67	-114.39	2.10	-9.18e-03	-114.43	0.04	1.74e-03
12	154	525.00	-112.58	2.11	-0.03	-116.61	0.02	8.66e-04
12	154	583.33	-111.15	2.12	-0.03	-118.98	2.42e-03	1.48e-04
12	154	641.67	-109.99	2.13	-8.45e-03	-121.47	-2.51e-03	-5.03e-04
12	154	700.00	-105.42	1.05	0.02	-115.55	4.78e-03	-1.27e-03
12	155	350.00	-91.28	1.20	0.05	-67.43	0.0	1.43e-03
12	155	408.33	-91.28	1.20	0.05	-68.13	0.03	1.27e-03
12	155	466.67	-88.25	1.22	-7.79e-03	-69.44	0.02	7.28e-04
12	155	525.00	-85.99	1.23	-0.02	-70.80	9.37e-03	2.34e-04
12	155	583.33	-83.99	1.23	-0.02	-72.32	-3.50e-04	-1.51e-04
12	155	641.67	-82.17	1.24	-4.55e-03	-73.99	-3.00e-03	-4.55e-04
12	155	700.00	-77.50	0.92	0.01	-71.57	3.19e-03	-6.75e-04
12	156	350.00	-112.35	2.04	0.07	-108.12	0.0	3.04e-03
12	156	408.33	-112.35	2.04	0.07	-109.32	0.04	2.79e-03
12	156	466.67	-109.51	2.07	-8.19e-03	-111.29	0.04	1.85e-03
12	156	525.00	-107.67	2.09	-0.03	-113.45	0.02	9.68e-04
12	156	583.33	-106.20	2.09	-0.03	-115.78	3.57e-03	2.35e-04
12	156	641.67	-104.98	2.11	-9.25e-03	-118.22	-1.83e-03	-4.43e-04
12	156	700.00	-100.60	0.98	0.02	-112.28	4.04e-03	-1.32e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-405.13	-63.58	-2.27	-746.76	-2.19	-0.58
			180.42	107.57	2.31	665.94	2.20	0.61

Macro	Tipo	Angolo 1-Z (gradi)
13	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
13	4	350.00	-46.08	-3.82	-0.06	3.88	0.0	-0.01
13	4	408.33	-46.08	-3.82	-0.06	1.65	-0.03	-0.01
13	4	466.67	-44.69	-3.70	-0.02	-0.11	-0.04	-5.78e-03
13	4	525.00	-41.40	-3.67	-2.19e-03	-0.92	-0.05	-6.05e-05
13	4	583.33	-37.36	-3.69	-1.51e-03	-1.35	-0.05	4.84e-03
13	4	641.67	-32.82	-3.73	0.01	-1.56	-0.04	0.01
13	4	700.00	-17.74	-3.78	0.06	4.06	-2.03e-03	0.01
13	5	350.00	-18.21	-1.28	-0.02	1.40	0.0	-4.25e-03
13	5	408.33	-18.21	-1.28	-0.02	0.65	-0.01	-4.34e-03
13	5	466.67	-17.65	-1.23	-6.18e-03	-0.02	-0.01	-1.81e-03
13	5	525.00	-16.35	-1.22	-1.45e-04	-0.32	-0.01	1.28e-04
13	5	583.33	-14.75	-1.23	8.22e-04	-0.47	-0.01	1.71e-03
13	5	641.67	-12.94	-1.24	4.93e-03	-0.53	-0.01	3.41e-03

13	5	700.00	-7.18	-1.26	0.02	1.62	-5.30e-04	4.27e-03
13	16	350.00	128.64	29.79	-0.03	-36.58	-7.06e-04	-0.02
13	16	408.33	128.64	29.79	-0.03	-37.78	-0.02	-0.03
13	16	466.67	108.93	28.47	-0.04	-31.04	-0.04	-0.03
13	16	525.00	90.99	27.41	-0.04	-24.31	-0.06	-0.04
13	16	583.33	73.87	26.57	-0.03	-17.92	-0.07	-0.05
13	16	641.67	63.36	25.83	-0.01	-10.16	-0.08	-0.05
13	16	700.00	60.51	24.81	0.15	0.07	-0.03	-0.04
13	17	350.00	-180.96	-33.93	-0.03	40.90	7.06e-04	9.16e-03
13	17	408.33	-180.96	-33.93	-0.03	39.69	-0.02	0.01
13	17	466.67	-159.61	-32.48	0.02	30.96	-0.01	0.03
13	17	525.00	-137.89	-31.38	0.03	23.34	7.23e-03	0.04
13	17	583.33	-116.14	-30.57	0.03	16.48	0.02	0.05
13	17	641.67	-100.41	-29.86	0.02	8.51	0.04	0.06
13	17	700.00	-80.68	-28.90	-0.09	4.53	0.03	0.05
13	21	350.00	-180.80	-34.06	-0.04	40.94	-2.90e-04	0.01
13	21	408.33	-180.80	-34.06	-0.04	39.74	-0.02	0.01
13	21	466.67	-159.52	-32.63	0.02	30.97	-0.02	0.03
13	21	525.00	-137.82	-31.55	0.03	23.32	5.48e-03	0.04
13	21	583.33	-116.07	-30.74	0.03	16.42	0.02	0.05
13	21	641.67	-100.36	-30.05	0.03	8.42	0.04	0.06
13	21	700.00	-80.63	-29.09	-0.09	4.47	0.03	0.05
13	29	350.00	-172.01	-31.98	-0.05	38.20	-1.21e-03	0.01
13	29	408.33	-172.01	-31.98	-0.05	37.00	-0.02	0.02
13	29	466.67	-151.86	-30.66	0.02	28.80	-0.02	0.03
13	29	525.00	-131.27	-29.68	0.03	21.64	3.86e-03	0.04
13	29	583.33	-110.54	-28.97	0.04	15.21	-0.02	0.06
13	29	641.67	-95.43	-28.37	0.04	7.72	0.05	0.06
13	29	700.00	-76.31	-27.53	-0.11	4.17	0.03	0.06
13	48	350.00	107.73	25.10	-0.03	-31.39	-2.71e-03	-0.02
13	48	408.33	107.73	25.10	-0.03	-32.60	-0.02	-0.02
13	48	466.67	91.11	23.97	-0.04	-27.03	-0.04	-0.03
13	48	525.00	76.22	23.07	-0.03	-21.47	-0.06	-0.03
13	48	583.33	62.04	22.36	-0.03	-16.27	-0.07	-0.04
13	48	641.67	55.52	21.73	-7.00e-03	-9.40	-0.08	-0.04
13	48	700.00	54.47	20.87	0.15	-0.89	-0.03	-0.03
13	49	350.00	-160.06	-29.24	-0.03	35.71	2.71e-03	5.29e-03
13	49	408.33	-160.06	-29.24	-0.03	34.51	-0.02	7.12e-03
13	49	466.67	-141.80	-27.98	0.02	26.96	-8.55e-03	0.02
13	49	525.00	-123.12	-27.04	0.03	20.50	0.01	0.03
13	49	583.33	-104.30	-26.35	0.03	14.83	0.02	0.05
13	49	641.67	-92.57	-25.76	0.02	7.75	0.04	0.05
13	49	700.00	-74.64	-24.95	-0.09	5.49	0.03	0.05
13	53	350.00	-159.88	-29.38	-0.03	35.75	1.64e-03	6.86e-03
13	53	408.33	-159.88	-29.38	-0.03	34.54	-0.02	8.69e-03
13	53	466.67	-141.68	-28.14	0.02	26.96	-0.01	0.02
13	53	525.00	-123.02	-27.22	0.03	20.47	9.60e-03	0.03
13	53	583.33	-104.21	-26.54	0.03	14.76	0.02	0.05
13	53	641.67	-92.50	-25.95	0.02	7.66	0.04	0.05
13	53	700.00	-74.56	-25.15	-0.09	5.43	0.03	0.05
13	61	350.00	-146.08	-26.23	-0.04	31.91	1.36e-03	8.83e-03
13	61	408.33	-146.08	-26.23	-0.04	30.70	-0.02	0.01
13	61	466.67	-129.73	-25.13	0.02	23.93	-0.01	0.02
13	61	525.00	-112.88	-24.35	0.03	18.19	8.81e-03	0.04
13	61	583.33	-95.80	-23.78	0.03	13.20	-0.02	0.05
13	61	641.67	-85.55	-23.31	0.03	6.80	0.05	0.06
13	61	700.00	-68.62	-22.64	-0.11	5.32	0.03	0.05
13	80	350.00	90.52	21.55	-0.03	-27.09	-2.64e-03	-0.02
13	80	408.33	90.52	21.55	-0.03	-28.30	-0.02	-0.02
13	80	466.67	76.19	20.58	-0.04	-23.59	-0.04	-0.02
13	80	525.00	63.50	19.80	-0.03	-18.83	-0.06	-0.03
13	80	583.33	51.49	19.18	-0.02	-14.37	-0.07	-0.04
13	80	641.67	46.46	18.63	-4.91e-03	-8.37	-0.07	-0.04
13	80	700.00	46.64	17.88	0.14	-0.65	-0.03	-0.03
13	81	350.00	-142.85	-25.69	-0.03	31.41	2.64e-03	3.50e-03
13	81	408.33	-142.85	-25.69	-0.03	30.21	-0.02	5.09e-03
13	81	466.67	-126.87	-24.59	0.02	23.52	-9.78e-03	0.02
13	81	525.00	-110.40	-23.77	0.03	17.86	8.23e-03	0.03
13	81	583.33	-93.75	-23.17	0.02	12.93	0.02	0.04
13	81	641.67	-83.51	-22.66	0.02	6.72	0.03	0.05
13	81	700.00	-66.81	-21.96	-0.08	5.25	0.02	0.04
13	85	350.00	-142.68	-25.82	-0.03	31.44	1.68e-03	4.89e-03
13	85	408.33	-142.68	-25.82	-0.03	30.23	-0.02	6.48e-03
13	85	466.67	-126.76	-24.73	0.02	23.52	-0.01	0.02
13	85	525.00	-110.31	-23.93	0.02	17.83	6.29e-03	0.03

13	85	583.33	-93.67	-23.34	0.02	12.87	0.02	0.04
13	85	641.67	-83.44	-22.84	0.02	6.64	0.03	0.05
13	85	700.00	-66.73	-22.14	-0.07	5.20	0.02	0.05
13	93	350.00	-130.30	-23.00	-0.04	28.01	1.49e-03	6.56e-03
13	93	408.33	-130.30	-23.00	-0.04	26.80	-0.02	8.15e-03
13	93	466.67	-116.04	-22.04	0.01	20.81	-0.01	0.02
13	93	525.00	-101.21	-21.36	0.03	15.79	5.67e-03	0.03
13	93	583.33	-86.12	-20.87	0.03	11.46	-0.02	0.04
13	93	641.67	-77.17	-20.46	0.03	5.87	0.04	0.05
13	93	700.00	-61.36	-19.89	-0.10	5.08	0.03	0.05
13	112	350.00	165.77	37.58	-0.03	-45.87	2.46e-05	-0.03
13	112	408.33	165.77	37.58	-0.03	-47.08	-0.02	-0.03
13	112	466.67	141.02	35.93	-0.05	-38.42	-0.04	-0.04
13	112	525.00	118.20	34.60	-0.04	-29.90	-0.06	-0.05
13	112	583.33	96.32	33.57	-0.04	-21.82	-0.08	-0.06
13	112	641.67	81.83	32.65	-0.02	-12.23	-0.09	-0.06
13	112	700.00	76.12	31.38	0.18	0.02	-0.04	-0.05
13	113	350.00	-218.09	-41.72	-0.04	50.20	-2.46e-05	0.01
13	113	408.33	-218.09	-41.72	-0.04	48.99	-0.02	0.02
13	113	466.67	-191.70	-39.94	0.03	38.35	-0.01	0.03
13	113	525.00	-165.10	-38.58	0.04	28.93	0.01	0.05
13	113	583.33	-138.58	-37.56	0.04	20.37	0.03	0.06
13	113	641.67	-118.87	-36.67	0.03	10.57	0.05	0.07
13	113	700.00	-96.29	-35.46	-0.11	4.58	0.03	0.06
13	117	350.00	-217.91	-41.88	-0.04	50.25	-1.17e-03	0.02
13	117	408.33	-217.91	-41.88	-0.04	49.04	-0.02	0.02
13	117	466.67	-191.59	-40.11	0.03	38.36	-0.02	0.03
13	117	525.00	-165.01	-38.77	0.03	28.91	9.25e-03	0.05
13	117	583.33	-138.50	-37.77	0.04	20.31	0.03	0.06
13	117	641.67	-118.81	-36.89	0.03	10.47	0.05	0.07
13	117	700.00	-96.22	-35.69	-0.11	4.51	0.03	0.07
13	125	350.00	-210.71	-40.10	-0.06	47.74	-2.58e-03	0.02
13	125	408.33	-210.71	-40.10	-0.06	46.53	-0.02	0.02
13	125	466.67	-185.28	-38.44	0.02	36.36	-0.02	0.04
13	125	525.00	-159.57	-37.20	0.04	27.33	6.95e-03	0.06
13	125	583.33	-133.84	-36.29	0.05	19.11	-0.01	0.07
13	125	641.67	-114.25	-35.52	0.05	9.75	0.06	0.08
13	125	700.00	-92.06	-34.44	-0.14	4.01	0.04	0.07
13	143	350.00	-19.27	-1.38	-0.02	1.49	0.0	-4.59e-03
13	143	408.33	-19.27	-1.38	-0.02	0.69	-0.01	-4.69e-03
13	143	466.67	-18.69	-1.33	-6.68e-03	-0.03	-0.02	-1.96e-03
13	143	525.00	-17.32	-1.32	-2.12e-04	-0.35	-0.02	1.24e-04
13	143	583.33	-15.63	-1.33	7.61e-04	-0.51	-0.02	1.83e-03
13	143	641.67	-13.72	-1.34	5.20e-03	-0.57	-0.01	3.69e-03
13	143	700.00	-7.59	-1.36	0.02	1.72	-5.86e-04	4.65e-03
13	146	350.00	-32.58	-2.66	-0.04	2.72	0.0	-9.00e-03
13	146	408.33	-32.58	-2.66	-0.04	1.17	-0.02	-9.27e-03
13	146	466.67	-31.59	-2.58	-0.01	-0.08	-0.03	-4.01e-03
13	146	525.00	-29.27	-2.56	-1.45e-03	-0.64	-0.03	-2.07e-05
13	146	583.33	-26.41	-2.57	-8.63e-04	-0.95	-0.03	3.39e-03
13	146	641.67	-23.19	-2.60	8.03e-03	-1.08	-0.03	7.42e-03
13	146	700.00	-12.56	-2.64	0.04	2.87	-1.40e-03	9.84e-03
13	150	350.00	-19.27	-1.38	-0.02	1.49	0.0	-4.59e-03
13	150	408.33	-19.27	-1.38	-0.02	0.69	-0.01	-4.69e-03
13	150	466.67	-18.69	-1.33	-6.68e-03	-0.03	-0.02	-1.96e-03
13	150	525.00	-17.32	-1.32	-2.12e-04	-0.35	-0.02	1.24e-04
13	150	583.33	-15.63	-1.33	7.61e-04	-0.51	-0.02	1.83e-03
13	150	641.67	-13.72	-1.34	5.20e-03	-0.57	-0.01	3.69e-03
13	150	700.00	-7.59	-1.36	0.02	1.72	-5.86e-04	4.65e-03
13	151	350.00	-27.31	-2.19	-0.03	2.27	0.0	-7.37e-03
13	151	408.33	-27.31	-2.19	-0.03	1.00	-0.02	-7.58e-03
13	151	466.67	-26.45	-2.12	-0.01	-0.04	-0.03	-3.28e-03
13	151	525.00	-24.47	-2.10	-1.18e-03	-0.51	-0.03	-1.21e-05
13	151	583.33	-22.05	-2.11	-7.04e-04	-0.76	-0.03	2.78e-03
13	151	641.67	-19.33	-2.13	6.57e-03	-0.87	-0.02	6.08e-03
13	151	700.00	-10.50	-2.16	0.03	2.40	-1.14e-03	8.06e-03
13	155	350.00	-19.27	-1.38	-0.02	1.49	0.0	-4.59e-03
13	155	408.33	-19.27	-1.38	-0.02	0.69	-0.01	-4.69e-03
13	155	466.67	-18.69	-1.33	-6.68e-03	-0.03	-0.02	-1.96e-03
13	155	525.00	-17.32	-1.32	-2.12e-04	-0.35	-0.02	1.24e-04
13	155	583.33	-15.63	-1.33	7.61e-04	-0.51	-0.02	1.83e-03
13	155	641.67	-13.72	-1.34	5.20e-03	-0.57	-0.01	3.69e-03
13	155	700.00	-7.59	-1.36	0.02	1.72	-5.86e-04	4.65e-03
13	156	350.00	-26.16	-2.07	-0.03	2.16	0.0	-6.97e-03
13	156	408.33	-26.16	-2.07	-0.03	0.95	-0.02	-7.17e-03

13	156	466.67	-25.34	-2.00	-0.01	-0.04	-0.02	-3.09e-03
13	156	525.00	-23.45	-1.99	-1.04e-03	-0.48	-0.02	7.24e-06
13	156	583.33	-21.13	-2.00	-4.95e-04	-0.72	-0.02	2.64e-03
13	156	641.67	-18.52	-2.01	6.38e-03	-0.83	-0.02	5.74e-03
13	156	700.00	-10.09	-2.04	0.03	2.30	-1.06e-03	7.57e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-218.09	-41.88	-0.14	-47.08	-0.09	-0.06
			165.77	37.58	0.18	50.25	0.06	0.08

Macro	Tipo	Angolo 1-Z (gradi)
14	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
14	3	350.00	0.80	0.58	-0.04	1.13	-0.02	-0.02
14	3	408.33	0.80	0.58	-0.04	1.47	-0.04	-0.01
14	3	466.67	1.14	0.60	-0.03	1.58	-0.06	-4.95e-03
14	3	525.00	1.34	0.61	-0.02	1.62	-0.07	-5.40e-04
14	3	583.33	1.46	0.62	-0.01	1.62	-0.08	2.79e-03
14	3	641.67	1.55	0.62	-8.04e-04	1.60	-0.08	4.70e-03
14	3	700.00	1.45	0.63	0.09	1.47	-0.02	1.62e-03
14	4	350.00	0.40	0.55	-0.04	1.14	-0.02	-0.02
14	4	408.33	0.40	0.55	-0.04	1.46	-0.05	-0.01
14	4	466.67	0.74	0.57	-0.03	1.56	-0.06	-5.30e-03
14	4	525.00	0.93	0.58	-0.02	1.58	-0.07	-6.22e-04
14	4	583.33	1.03	0.58	-0.01	1.54	-0.08	2.87e-03
14	4	641.67	1.08	0.59	4.63e-04	1.47	-0.08	4.78e-03
14	4	700.00	0.96	0.59	0.09	1.31	-0.02	1.38e-03
14	7	350.00	1.50	0.51	-0.04	0.95	-0.02	-0.01
14	7	408.33	1.50	0.51	-0.04	1.25	-0.04	-8.52e-03
14	7	466.67	1.74	0.52	-0.02	1.36	-0.05	-4.09e-03
14	7	525.00	1.86	0.53	-0.01	1.41	-0.06	-4.33e-04
14	7	583.33	1.92	0.54	-0.01	1.42	-0.06	2.35e-03
14	7	641.67	1.96	0.54	-1.33e-03	1.43	-0.06	4.00e-03
14	7	700.00	1.84	0.55	0.08	1.33	-0.02	1.55e-03
14	9	350.00	-5.31	0.17	-0.03	0.58	-0.01	-0.01
14	9	408.33	-5.31	0.17	-0.03	0.68	-0.03	-6.65e-03
14	9	466.67	-4.84	0.18	-0.02	0.63	-0.04	-3.36e-03
14	9	525.00	-4.41	0.18	-8.02e-03	0.55	-0.04	-4.81e-04
14	9	583.33	-4.08	0.18	-3.61e-03	0.42	-0.04	1.51e-03
14	9	641.67	-3.85	0.18	4.79e-03	0.23	-0.04	2.22e-03
14	9	700.00	-3.62	0.18	0.04	0.04	-0.01	-5.49e-04
14	19	350.00	95.44	18.71	0.01	-50.71	0.22	-0.12
14	19	408.33	95.44	18.71	0.01	-50.53	0.20	-0.10
14	19	466.67	87.65	18.11	0.06	-44.36	0.09	-0.11
14	19	525.00	79.71	17.62	0.04	-38.65	0.12	-0.10
14	19	583.33	71.90	17.21	0.01	-33.21	0.14	-0.09
14	19	641.67	63.29	16.87	-1.48e-03	-28.51	0.15	-0.07
14	19	700.00	55.98	16.53	0.06	-23.60	0.11	-0.06
14	22	350.00	-98.43	-18.09	-0.06	51.97	-0.24	0.10
14	22	408.33	-98.43	-18.09	-0.06	52.15	-0.25	0.09
14	22	466.67	-90.01	-17.47	-0.09	46.07	-0.15	0.10
14	22	525.00	-81.57	-16.96	-0.06	40.37	-0.20	0.10
14	22	583.33	-73.36	-16.55	-0.03	34.89	-0.22	0.09
14	22	641.67	-64.42	-16.20	2.49e-03	30.09	-0.23	0.08
14	22	700.00	-56.95	-15.86	0.04	25.00	-0.14	0.06
14	35	350.00	46.65	7.42	0.46	-14.43	-0.03	-0.13
14	35	408.33	46.65	7.42	0.46	-14.25	-0.04	-0.09
14	35	466.67	45.44	7.22	0.18	-12.05	0.13	-0.08
14	35	525.00	40.66	7.06	0.08	-10.74	0.21	-0.06
14	35	583.33	36.09	6.92	0.02	-9.49	0.24	-0.04
14	35	641.67	31.98	6.78	-0.03	-8.19	0.23	-0.01
14	35	700.00	24.84	6.62	0.03	-8.42	0.22	-0.02
14	51	350.00	83.64	16.21	6.13e-03	-43.52	0.22	-0.11
14	51	408.33	83.64	16.21	6.13e-03	-43.34	0.20	-0.09
14	51	466.67	77.08	15.68	0.06	-37.94	0.08	-0.09
14	51	525.00	70.20	15.25	0.04	-33.02	0.11	-0.09
14	51	583.33	63.33	14.90	0.01	-28.39	0.13	-0.08
14	51	641.67	55.44	14.61	-2.60e-03	-24.53	0.14	-0.06
14	51	700.00	49.17	14.31	0.05	-20.28	0.09	-0.05
14	54	350.00	-86.64	-15.58	-0.05	44.78	-0.24	0.09

14	54	408.33	-86.64	-15.58	-0.05	44.96	-0.25	0.08
14	54	466.67	-79.43	-15.03	-0.09	39.64	-0.15	0.09
14	54	525.00	-72.06	-14.59	-0.06	34.74	-0.19	0.08
14	54	583.33	-64.79	-14.23	-0.02	30.06	-0.21	0.08
14	54	641.67	-56.57	-13.94	3.61e-03	26.12	-0.22	0.07
14	54	700.00	-50.14	-13.65	0.05	21.68	-0.11	0.05
14	67	350.00	44.86	6.84	0.48	-12.04	-0.03	-0.13
14	67	408.33	44.86	6.84	0.48	-11.86	-0.05	-0.09
14	67	466.67	43.79	6.65	0.19	-9.90	0.14	-0.08
14	67	525.00	39.14	6.51	0.09	-8.85	0.23	-0.06
14	67	583.33	34.65	6.38	0.02	-7.87	0.25	-0.04
14	67	641.67	30.58	6.24	-0.03	-6.83	0.24	-8.64e-03
14	67	700.00	23.20	6.08	0.03	-7.46	0.23	-0.02
14	83	350.00	72.84	14.16	1.55e-03	-37.82	0.19	-0.10
14	83	408.33	72.84	14.16	1.55e-03	-37.63	0.18	-0.08
14	83	466.67	67.18	13.69	0.05	-32.91	0.07	-0.08
14	83	525.00	61.22	13.32	0.03	-28.63	0.10	-0.07
14	83	583.33	55.24	13.02	9.56e-03	-24.61	0.11	-0.07
14	83	641.67	48.33	12.76	-2.45e-03	-21.28	0.12	-0.05
14	83	700.00	42.88	12.51	0.04	-17.58	0.07	-0.05
14	86	350.00	-75.84	-13.54	-0.05	39.07	-0.21	0.08
14	86	408.33	-75.84	-13.54	-0.05	39.26	-0.23	0.07
14	86	466.67	-69.54	-13.05	-0.08	34.62	-0.14	0.08
14	86	525.00	-63.07	-12.67	-0.05	30.35	-0.17	0.07
14	86	583.33	-56.70	-12.36	-0.02	26.28	-0.19	0.07
14	86	641.67	-49.46	-12.10	3.46e-03	22.86	-0.20	0.06
14	86	700.00	-43.85	-11.84	0.06	18.98	-0.10	0.05
14	99	350.00	39.47	6.05	0.43	-10.38	-0.03	-0.12
14	99	408.33	39.47	6.05	0.43	-10.20	-0.05	-0.08
14	99	466.67	38.58	5.88	0.17	-8.48	0.12	-0.07
14	99	525.00	34.50	5.76	0.08	-7.57	0.20	-0.05
14	99	583.33	30.55	5.64	0.01	-6.73	0.22	-0.03
14	99	641.67	26.95	5.53	-0.03	-5.84	0.21	-6.91e-03
14	99	700.00	20.39	5.38	0.03	-6.45	0.20	-0.02
14	115	350.00	118.09	23.12	0.02	-63.15	0.26	-0.14
14	115	408.33	118.09	23.12	0.02	-62.97	0.25	-0.13
14	115	466.67	108.30	22.39	0.07	-55.35	0.11	-0.13
14	115	525.00	98.43	21.77	0.05	-48.26	0.15	-0.12
14	115	583.33	88.77	21.26	0.02	-41.49	0.17	-0.11
14	115	641.67	78.26	20.84	-1.64e-03	-35.55	0.19	-0.09
14	115	700.00	69.17	20.42	0.06	-29.44	0.14	-0.07
14	118	350.00	-121.08	-22.50	-0.07	64.41	-0.28	0.12
14	118	408.33	-121.08	-22.50	-0.07	64.59	-0.30	0.12
14	118	466.67	-110.66	-21.74	-0.10	57.06	-0.18	0.13
14	118	525.00	-100.28	-21.12	-0.07	49.98	-0.23	0.12
14	118	583.33	-90.23	-20.60	-0.03	43.16	-0.26	0.11
14	118	641.67	-79.39	-20.17	2.65e-03	37.13	-0.27	0.10
14	118	700.00	-70.15	-19.75	0.04	30.84	-0.17	0.08
14	131	350.00	56.18	8.97	0.53	-18.25	-0.03	-0.15
14	131	408.33	56.18	8.97	0.53	-18.07	-0.04	-0.11
14	131	466.67	54.69	8.72	0.21	-15.34	0.16	-0.10
14	131	525.00	48.93	8.52	0.10	-13.68	0.26	-0.07
14	131	583.33	43.45	8.35	0.02	-12.09	0.29	-0.05
14	131	641.67	38.55	8.19	-0.04	-10.42	0.27	-0.02
14	131	700.00	30.19	8.00	0.02	-10.51	0.26	-0.03
14	145	350.00	-0.08	0.40	-0.03	0.78	-0.01	-0.01
14	145	408.33	-0.08	0.40	-0.03	1.02	-0.03	-7.16e-03
14	145	466.67	0.20	0.42	-0.02	1.10	-0.04	-3.46e-03
14	145	525.00	0.39	0.42	-0.01	1.12	-0.05	-3.78e-04
14	145	583.33	0.52	0.43	-8.58e-03	1.11	-0.05	1.94e-03
14	145	641.67	0.62	0.43	-3.09e-04	1.09	-0.05	3.24e-03
14	145	700.00	0.60	0.43	0.06	1.00	-0.02	1.04e-03
14	146	350.00	-0.34	0.38	-0.03	0.80	-0.01	-0.01
14	146	408.33	-0.34	0.38	-0.03	1.02	-0.03	-7.61e-03
14	146	466.67	-0.06	0.39	-0.02	1.08	-0.04	-3.70e-03
14	146	525.00	0.12	0.40	-0.01	1.09	-0.05	-4.33e-04
14	146	583.33	0.23	0.41	-8.34e-03	1.06	-0.05	2.00e-03
14	146	641.67	0.31	0.41	5.36e-04	1.00	-0.05	3.30e-03
14	146	700.00	0.27	0.41	0.07	0.89	-0.02	8.78e-04
14	147	350.00	-4.15	0.13	-0.02	0.42	-8.30e-03	-7.52e-03
14	147	408.33	-4.15	0.13	-0.02	0.49	-0.02	-4.75e-03
14	147	466.67	-3.78	0.13	-0.01	0.46	-0.03	-2.40e-03
14	147	525.00	-3.44	0.14	-5.78e-03	0.41	-0.03	-3.38e-04
14	147	583.33	-3.17	0.14	-2.59e-03	0.31	-0.03	1.09e-03
14	147	641.67	-2.98	0.14	3.42e-03	0.17	-0.03	1.60e-03

14	147	700.00	-2.78	0.14	0.03	0.04	-0.01	-4.10e-04
14	151	350.00	-1.14	0.33	-0.03	0.67	-0.01	-9.76e-03
14	151	408.33	-1.14	0.33	-0.03	0.86	-0.03	-6.17e-03
14	151	466.67	-0.83	0.35	-0.02	0.91	-0.04	-3.00e-03
14	151	525.00	-0.60	0.35	-9.25e-03	0.93	-0.04	-3.33e-04
14	151	583.33	-0.42	0.36	-6.92e-03	0.91	-0.04	1.66e-03
14	151	641.67	-0.27	0.36	3.03e-04	0.87	-0.04	2.72e-03
14	151	700.00	-0.21	0.36	0.05	0.77	-0.01	7.01e-04
14	152	350.00	-3.73	0.16	-0.02	0.40	-7.13e-03	-6.44e-03
14	152	408.33	-3.73	0.16	-0.02	0.50	-0.02	-4.03e-03
14	152	466.67	-3.36	0.17	-0.01	0.48	-0.02	-2.03e-03
14	152	525.00	-3.01	0.17	-5.40e-03	0.46	-0.03	-2.50e-04
14	152	583.33	-2.71	0.18	-2.97e-03	0.40	-0.03	1.00e-03
14	152	641.67	-2.47	0.18	2.07e-03	0.31	-0.03	1.51e-03
14	152	700.00	-2.25	0.18	0.03	0.21	-9.14e-03	-1.52e-04
14	155	350.00	-3.62	0.17	-0.02	0.40	-6.83e-03	-6.18e-03
14	155	408.33	-3.62	0.17	-0.02	0.50	-0.02	-3.85e-03
14	155	466.67	-3.25	0.18	-0.01	0.49	-0.02	-1.93e-03
14	155	525.00	-2.90	0.18	-5.31e-03	0.47	-0.03	-2.28e-04
14	155	583.33	-2.60	0.19	-3.07e-03	0.42	-0.03	9.82e-04
14	155	641.67	-2.35	0.19	1.73e-03	0.35	-0.03	1.49e-03
14	155	700.00	-2.12	0.19	0.03	0.26	-8.83e-03	-8.71e-05
14	156	350.00	-1.50	0.31	-0.02	0.63	-0.01	-9.25e-03
14	156	408.33	-1.50	0.31	-0.02	0.81	-0.02	-5.83e-03
14	156	466.67	-1.18	0.32	-0.02	0.85	-0.03	-2.85e-03
14	156	525.00	-0.93	0.33	-8.69e-03	0.86	-0.04	-3.18e-04
14	156	583.33	-0.73	0.33	-6.37e-03	0.84	-0.04	1.56e-03
14	156	641.67	-0.57	0.33	5.07e-04	0.79	-0.04	2.54e-03
14	156	700.00	-0.49	0.33	0.05	0.70	-0.01	5.89e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-121.08	-22.50	-0.10	-63.15	-0.30	-0.15
	118.09	23.12	0.53	64.59	0.29	0.13

Macro	Tipo	Angolo 1-Z (gradi)
15	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
15	3	350.00	0.80	-0.58	-0.04	-1.13	-0.02	0.02
15	3	408.33	0.80	-0.58	-0.04	-1.47	-0.04	0.01
15	3	466.67	1.14	-0.60	-0.03	-1.58	-0.06	5.01e-03
15	3	525.00	1.34	-0.61	-0.02	-1.62	-0.07	6.38e-04
15	3	583.33	1.46	-0.62	-0.01	-1.62	-0.08	-2.71e-03
15	3	641.67	1.55	-0.63	-7.48e-04	-1.60	-0.08	-4.64e-03
15	3	700.00	1.46	-0.63	0.09	-1.47	-0.02	-1.56e-03
15	4	350.00	0.40	-0.55	-0.04	-1.14	-0.02	0.02
15	4	408.33	0.40	-0.55	-0.04	-1.46	-0.04	0.01
15	4	466.67	0.75	-0.57	-0.03	-1.56	-0.06	5.37e-03
15	4	525.00	0.94	-0.58	-0.02	-1.57	-0.07	7.26e-04
15	4	583.33	1.03	-0.58	-0.01	-1.54	-0.08	-2.79e-03
15	4	641.67	1.08	-0.59	5.30e-04	-1.47	-0.08	-4.72e-03
15	4	700.00	0.96	-0.59	0.09	-1.31	-0.02	-1.32e-03
15	7	350.00	1.50	-0.51	-0.03	-0.95	-0.02	0.01
15	7	408.33	1.50	-0.51	-0.03	-1.25	-0.04	8.44e-03
15	7	466.67	1.75	-0.52	-0.02	-1.36	-0.05	4.14e-03
15	7	525.00	1.86	-0.53	-0.01	-1.41	-0.06	5.14e-04
15	7	583.33	1.92	-0.54	-0.01	-1.42	-0.06	-2.28e-03
15	7	641.67	1.96	-0.54	-1.29e-03	-1.43	-0.06	-3.95e-03
15	7	700.00	1.84	-0.55	0.08	-1.33	-0.02	-1.50e-03
15	9	350.00	-5.31	-0.17	-0.02	-0.58	-0.01	0.01
15	9	408.33	-5.31	-0.17	-0.02	-0.68	-0.03	6.60e-03
15	9	466.67	-4.83	-0.18	-0.02	-0.63	-0.04	3.40e-03
15	9	525.00	-4.41	-0.18	-8.24e-03	-0.55	-0.04	5.44e-04
15	9	583.33	-4.08	-0.18	-3.69e-03	-0.42	-0.04	-1.46e-03
15	9	641.67	-3.85	-0.18	4.85e-03	-0.23	-0.04	-2.19e-03
15	9	700.00	-3.61	-0.18	0.05	-0.04	-0.01	5.85e-04
15	16	350.00	-98.45	18.10	-0.06	-51.97	-0.24	-0.10
15	16	408.33	-98.45	18.10	-0.06	-52.15	-0.25	-0.09
15	16	466.67	-90.01	17.48	-0.09	-46.07	-0.16	-0.10
15	16	525.00	-81.57	16.97	-0.06	-40.37	-0.20	-0.10
15	16	583.33	-73.36	16.55	-0.03	-34.88	-0.22	-0.09

15	16	641.67	-64.41	16.21	2.25e-03	-30.09	-0.23	-0.08
15	16	700.00	-56.94	15.87	0.04	-24.99	-0.14	-0.06
15	17	350.00	95.46	-18.73	0.02	50.71	0.22	0.12
15	17	408.33	95.46	-18.73	0.02	50.53	0.20	0.10
15	17	466.67	87.66	-18.13	0.06	44.36	0.09	0.11
15	17	525.00	79.72	-17.63	0.04	38.65	0.12	0.10
15	17	583.33	71.91	-17.22	0.01	33.21	0.14	0.09
15	17	641.67	63.29	-16.88	-1.16e-03	28.50	0.15	0.07
15	17	700.00	55.98	-16.54	0.06	23.59	0.11	0.06
15	45	350.00	46.61	-7.42	0.45	14.42	-0.03	0.13
15	45	408.33	46.61	-7.42	0.45	14.24	-0.04	0.09
15	45	466.67	45.41	-7.21	0.18	12.03	0.13	0.08
15	45	525.00	40.63	-7.05	0.08	10.73	0.21	0.06
15	45	583.33	36.06	-6.91	0.02	9.48	0.24	0.04
15	45	641.67	31.96	-6.78	-0.03	8.18	0.23	0.01
15	45	700.00	24.84	-6.61	0.03	8.41	0.22	0.02
15	48	350.00	-86.65	15.60	-0.06	-44.78	-0.24	-0.09
15	48	408.33	-86.65	15.60	-0.06	-44.96	-0.25	-0.08
15	48	466.67	-79.44	15.04	-0.09	-39.64	-0.15	-0.09
15	48	525.00	-72.06	14.60	-0.06	-34.74	-0.19	-0.08
15	48	583.33	-64.79	14.24	-0.02	-30.06	-0.21	-0.08
15	48	641.67	-56.56	13.94	3.44e-03	-26.12	-0.23	-0.07
15	48	700.00	-50.13	13.65	0.05	-21.68	-0.11	-0.05
15	49	350.00	83.66	-16.22	8.91e-03	43.52	0.22	0.11
15	49	408.33	83.66	-16.22	8.91e-03	43.34	0.20	0.09
15	49	466.67	77.09	-15.68	0.06	37.94	0.08	0.09
15	49	525.00	70.21	-15.26	0.04	33.02	0.11	0.09
15	49	583.33	63.34	-14.91	0.01	28.39	0.13	0.08
15	49	641.67	55.44	-14.61	-2.35e-03	24.53	0.14	0.06
15	49	700.00	49.17	-14.32	0.05	20.28	0.09	0.05
15	77	350.00	44.82	-6.84	0.48	12.02	-0.04	0.13
15	77	408.33	44.82	-6.84	0.48	11.84	-0.05	0.09
15	77	466.67	43.75	-6.65	0.19	9.89	0.14	0.08
15	77	525.00	39.10	-6.50	0.09	8.84	0.22	0.06
15	77	583.33	34.63	-6.37	0.02	7.86	0.25	0.04
15	77	641.67	30.56	-6.24	-0.03	6.83	0.24	8.81e-03
15	77	700.00	23.20	-6.07	0.03	7.45	0.23	0.02
15	80	350.00	-75.85	13.55	-0.05	-39.07	-0.21	-0.08
15	80	408.33	-75.85	13.55	-0.05	-39.26	-0.23	-0.07
15	80	466.67	-69.55	13.06	-0.08	-34.62	-0.14	-0.08
15	80	525.00	-63.08	12.67	-0.05	-30.35	-0.17	-0.07
15	80	583.33	-56.70	12.36	-0.02	-26.28	-0.19	-0.07
15	80	641.67	-49.46	12.10	3.32e-03	-22.86	-0.20	-0.06
15	80	700.00	-43.85	11.84	0.06	-18.98	-0.10	-0.05
15	81	350.00	72.86	-14.17	4.05e-03	37.82	0.19	0.10
15	81	408.33	72.86	-14.17	4.05e-03	37.63	0.18	0.08
15	81	466.67	67.19	-13.70	0.05	32.91	0.07	0.08
15	81	525.00	61.23	-13.33	0.03	28.63	0.10	0.07
15	81	583.33	55.25	-13.02	9.51e-03	24.60	0.11	0.07
15	81	641.67	48.33	-12.77	-2.24e-03	21.28	0.12	0.05
15	81	700.00	42.88	-12.51	0.04	17.58	0.08	0.05
15	109	350.00	39.43	-6.05	0.43	10.36	-0.03	0.12
15	109	408.33	39.43	-6.05	0.43	10.18	-0.05	0.08
15	109	466.67	38.55	-5.88	0.17	8.46	0.12	0.07
15	109	525.00	34.47	-5.75	0.08	7.56	0.20	0.05
15	109	583.33	30.52	-5.64	0.01	6.72	0.22	0.03
15	109	641.67	26.93	-5.52	-0.03	5.83	0.21	7.06e-03
15	109	700.00	20.38	-5.37	0.03	6.44	0.20	0.02
15	112	350.00	-121.10	22.52	-0.07	-64.41	-0.28	-0.12
15	112	408.33	-121.10	22.52	-0.07	-64.59	-0.29	-0.12
15	112	466.67	-110.66	21.75	-0.10	-57.06	-0.18	-0.13
15	112	525.00	-100.29	21.13	-0.07	-49.97	-0.23	-0.12
15	112	583.33	-90.23	20.61	-0.03	-43.15	-0.26	-0.11
15	112	641.67	-79.38	20.18	2.33e-03	-37.13	-0.27	-0.10
15	112	700.00	-70.13	19.76	0.04	-30.84	-0.17	-0.08
15	113	350.00	118.11	-23.14	0.02	63.15	0.26	0.14
15	113	408.33	118.11	-23.14	0.02	62.97	0.25	0.13
15	113	466.67	108.31	-22.40	0.07	55.35	0.11	0.13
15	113	525.00	98.44	-21.78	0.05	48.25	0.15	0.12
15	113	583.33	88.78	-21.27	0.02	41.48	0.17	0.11
15	113	641.67	78.25	-20.85	-1.25e-03	35.54	0.19	0.09
15	113	700.00	69.17	-20.43	0.06	29.43	0.14	0.07
15	141	350.00	56.14	-8.97	0.53	18.23	-0.03	0.15
15	141	408.33	56.14	-8.97	0.53	18.05	-0.04	0.11
15	141	466.67	54.66	-8.71	0.21	15.33	0.16	0.10

15	141	525.00	48.90	-8.52	0.10	13.67	0.26	0.07
15	141	583.33	43.43	-8.35	0.02	12.07	0.29	0.05
15	141	641.67	38.52	-8.18	-0.04	10.41	0.27	0.02
15	141	700.00	30.19	-7.99	0.02	10.50	0.26	0.03
15	145	350.00	-0.08	-0.40	-0.03	-0.78	-0.01	0.01
15	145	408.33	-0.08	-0.40	-0.03	-1.02	-0.03	7.09e-03
15	145	466.67	0.20	-0.42	-0.02	-1.10	-0.04	3.50e-03
15	145	525.00	0.39	-0.42	-0.01	-1.12	-0.05	4.46e-04
15	145	583.33	0.52	-0.43	-8.66e-03	-1.11	-0.05	-1.89e-03
15	145	641.67	0.62	-0.43	-2.68e-04	-1.09	-0.05	-3.21e-03
15	145	700.00	0.61	-0.43	0.06	-1.00	-0.02	-9.97e-04
15	146	350.00	-0.34	-0.38	-0.03	-0.80	-0.01	0.01
15	146	408.33	-0.34	-0.38	-0.03	-1.02	-0.03	7.54e-03
15	146	466.67	-0.06	-0.39	-0.02	-1.08	-0.04	3.74e-03
15	146	525.00	0.12	-0.40	-0.01	-1.09	-0.05	5.05e-04
15	146	583.33	0.23	-0.41	-8.43e-03	-1.06	-0.05	-1.94e-03
15	146	641.67	0.31	-0.41	5.84e-04	-1.00	-0.05	-3.26e-03
15	146	700.00	0.28	-0.41	0.07	-0.89	-0.02	-8.34e-04
15	147	350.00	-4.15	-0.13	-0.02	-0.42	-8.44e-03	7.47e-03
15	147	408.33	-4.15	-0.13	-0.02	-0.49	-0.02	4.71e-03
15	147	466.67	-3.78	-0.13	-0.01	-0.46	-0.03	2.43e-03
15	147	525.00	-3.44	-0.14	-5.94e-03	-0.41	-0.03	3.84e-04
15	147	583.33	-3.17	-0.14	-2.65e-03	-0.31	-0.03	-1.05e-03
15	147	641.67	-2.98	-0.14	3.46e-03	-0.17	-0.03	-1.57e-03
15	147	700.00	-2.78	-0.14	0.03	-0.04	-0.01	4.36e-04
15	151	350.00	-1.14	-0.33	-0.02	-0.67	-0.01	9.70e-03
15	151	408.33	-1.14	-0.33	-0.02	-0.86	-0.03	6.11e-03
15	151	466.67	-0.83	-0.35	-0.02	-0.91	-0.04	3.04e-03
15	151	525.00	-0.60	-0.35	-9.46e-03	-0.92	-0.04	3.92e-04
15	151	583.33	-0.41	-0.36	-7.00e-03	-0.91	-0.04	-1.61e-03
15	151	641.67	-0.27	-0.36	3.40e-04	-0.87	-0.04	-2.69e-03
15	151	700.00	-0.21	-0.36	0.05	-0.77	-0.01	-6.65e-04
15	152	350.00	-3.73	-0.16	-0.02	-0.40	-7.25e-03	6.40e-03
15	152	408.33	-3.73	-0.16	-0.02	-0.50	-0.02	3.99e-03
15	152	466.67	-3.36	-0.17	-0.01	-0.48	-0.02	2.05e-03
15	152	525.00	-3.01	-0.17	-5.54e-03	-0.46	-0.03	2.89e-04
15	152	583.33	-2.71	-0.18	-3.02e-03	-0.40	-0.03	-9.71e-04
15	152	641.67	-2.47	-0.18	2.10e-03	-0.31	-0.03	-1.49e-03
15	152	700.00	-2.25	-0.18	0.03	-0.21	-8.95e-03	1.75e-04
15	155	350.00	-3.62	-0.17	-0.01	-0.40	-6.95e-03	6.14e-03
15	155	408.33	-3.62	-0.17	-0.01	-0.50	-0.02	3.81e-03
15	155	466.67	-3.25	-0.18	-0.01	-0.49	-0.02	1.96e-03
15	155	525.00	-2.90	-0.18	-5.44e-03	-0.47	-0.03	2.66e-04
15	155	583.33	-2.60	-0.19	-3.11e-03	-0.42	-0.03	-9.51e-04
15	155	641.67	-2.35	-0.19	1.76e-03	-0.35	-0.03	-1.47e-03
15	155	700.00	-2.12	-0.19	0.03	-0.26	-8.65e-03	1.09e-04
15	156	350.00	-1.49	-0.31	-0.02	-0.63	-0.01	9.19e-03
15	156	408.33	-1.49	-0.31	-0.02	-0.81	-0.02	5.78e-03
15	156	466.67	-1.18	-0.32	-0.02	-0.85	-0.03	2.89e-03
15	156	525.00	-0.92	-0.33	-8.88e-03	-0.86	-0.04	3.74e-04
15	156	583.33	-0.73	-0.33	-6.44e-03	-0.84	-0.04	-1.51e-03
15	156	641.67	-0.56	-0.33	5.42e-04	-0.79	-0.04	-2.51e-03
15	156	700.00	-0.48	-0.34	0.05	-0.70	-0.01	-5.54e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-121.10	-23.14	-0.10	-64.59	-0.29	-0.13
	118.11	22.52	0.53	63.15	0.29	0.15

Macro	Tipo	Angolo 1-Z (gradi)
16	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
16	4	350.00	-46.09	3.82	-0.06	-3.88	0.0	0.01
16	4	408.33	-46.09	3.82	-0.06	-1.65	-0.03	0.01
16	4	466.67	-44.69	3.70	-0.02	0.11	-0.04	5.94e-03
16	4	525.00	-41.41	3.67	-2.59e-03	0.92	-0.05	2.36e-04
16	4	583.33	-37.37	3.69	-1.69e-03	1.35	-0.05	-4.68e-03
16	4	641.67	-32.82	3.73	0.01	1.56	-0.04	-0.01
16	4	700.00	-17.74	3.78	0.06	-4.06	-2.05e-03	-0.01
16	5	350.00	-18.21	1.28	-0.02	-1.40	0.0	4.22e-03
16	5	408.33	-18.21	1.28	-0.02	-0.65	-0.01	4.34e-03

16	5	466.67	-17.65	1.23	-6.40e-03	0.02	-0.01	1.86e-03
16	5	525.00	-16.35	1.22	-2.76e-04	0.32	-0.01	-6.92e-05
16	5	583.33	-14.75	1.23	7.58e-04	0.47	-0.01	-1.66e-03
16	5	641.67	-12.94	1.24	4.88e-03	0.52	-0.01	-3.36e-03
16	5	700.00	-7.18	1.26	0.02	-1.62	-5.36e-04	-4.23e-03
16	15	350.00	-180.83	34.05	-0.04	-40.95	-2.15e-03	-0.01
16	15	408.33	-180.83	34.05	-0.04	-39.75	-0.02	-0.01
16	15	466.67	-159.53	32.61	0.02	-30.98	-0.02	-0.03
16	15	525.00	-137.83	31.56	0.03	-23.33	5.18e-03	-0.04
16	15	583.33	-116.08	30.78	0.03	-16.42	7.82e-04	-0.05
16	15	641.67	-100.34	30.09	0.03	-8.42	0.04	-0.06
16	15	700.00	-80.65	29.13	-0.09	-4.47	0.03	-0.06
16	19	350.00	-180.95	33.92	-0.04	-40.90	-1.07e-03	-8.59e-03
16	19	408.33	-180.95	33.92	-0.04	-39.70	-0.02	-0.01
16	19	466.67	-159.59	32.45	0.03	-30.97	-0.01	-0.03
16	19	525.00	-137.87	31.40	0.03	-23.34	6.99e-03	-0.04
16	19	583.33	-116.11	30.60	0.03	-16.47	2.80e-03	-0.05
16	19	641.67	-100.37	29.90	0.02	-8.50	0.04	-0.06
16	19	700.00	-80.68	28.93	-0.09	-4.53	0.03	-0.05
16	22	350.00	128.61	-29.78	-0.02	36.58	1.07e-03	0.02
16	22	408.33	128.61	-29.78	-0.02	37.79	-0.02	0.03
16	22	466.67	108.90	-28.45	-0.05	31.04	-0.03	0.03
16	22	525.00	90.96	-27.42	-0.04	24.31	-0.06	0.04
16	22	583.33	73.85	-26.61	-0.03	17.92	-0.05	0.05
16	22	641.67	63.31	-25.87	-0.01	10.15	-0.08	0.05
16	22	700.00	60.51	-24.85	0.15	-0.08	-0.03	0.04
16	23	350.00	-172.03	31.97	-0.05	-38.21	-2.76e-03	-0.01
16	23	408.33	-172.03	31.97	-0.05	-37.01	-0.02	-0.02
16	23	466.67	-151.87	30.63	0.02	-28.81	-0.02	-0.03
16	23	525.00	-131.28	29.69	0.03	-21.65	3.78e-03	-0.04
16	23	583.33	-110.55	29.00	0.04	-15.21	-0.01	-0.06
16	23	641.67	-95.42	28.40	0.04	-7.72	0.05	-0.06
16	23	700.00	-76.33	27.56	-0.11	-4.17	0.03	-0.06
16	47	350.00	-159.90	29.37	-0.04	-35.76	1.68e-05	-6.34e-03
16	47	408.33	-159.90	29.37	-0.04	-34.55	-0.02	-8.34e-03
16	47	466.67	-141.69	28.12	0.02	-26.97	-0.01	-0.02
16	47	525.00	-123.02	27.23	0.03	-20.47	9.39e-03	-0.03
16	47	583.33	-104.21	26.57	0.03	-14.76	2.89e-03	-0.05
16	47	641.67	-92.49	25.98	0.02	-7.65	0.04	-0.05
16	47	700.00	-74.59	25.18	-0.09	-5.44	0.03	-0.05
16	51	350.00	-160.04	29.23	-0.03	-35.71	1.17e-03	-4.78e-03
16	51	408.33	-160.04	29.23	-0.03	-34.51	-0.02	-6.78e-03
16	51	466.67	-141.77	27.96	0.03	-26.96	-0.01	-0.02
16	51	525.00	-123.08	27.05	0.03	-20.49	0.01	-0.03
16	51	583.33	-104.26	26.38	0.03	-14.81	5.28e-03	-0.05
16	51	641.67	-92.52	25.79	0.02	-7.74	0.04	-0.05
16	51	700.00	-74.64	24.98	-0.09	-5.49	0.03	-0.05
16	54	350.00	107.71	-25.09	-0.03	31.39	-1.17e-03	0.02
16	54	408.33	107.71	-25.09	-0.03	32.60	-0.02	0.02
16	54	466.67	91.08	-23.95	-0.05	27.03	-0.04	0.03
16	54	525.00	76.17	-23.08	-0.03	21.46	-0.06	0.03
16	54	583.33	62.00	-22.39	-0.03	16.26	-0.06	0.04
16	54	641.67	55.47	-21.76	-7.11e-03	9.39	-0.08	0.04
16	54	700.00	54.47	-20.89	0.15	0.89	-0.03	0.03
16	55	350.00	-146.10	26.23	-0.05	-31.92	1.96e-04	-8.25e-03
16	55	408.33	-146.10	26.23	-0.05	-30.71	-0.02	-0.01
16	55	466.67	-129.74	25.12	0.02	-23.94	-0.01	-0.02
16	55	525.00	-112.88	24.35	0.03	-18.19	8.85e-03	-0.04
16	55	583.33	-95.80	23.80	0.03	-13.19	-0.01	-0.05
16	55	641.67	-85.54	23.33	0.03	-6.80	0.05	-0.06
16	55	700.00	-68.65	22.66	-0.10	-5.33	0.03	-0.05
16	79	350.00	-142.70	25.81	-0.03	-31.45	2.67e-04	-4.44e-03
16	79	408.33	-142.70	25.81	-0.03	-30.24	-0.02	-6.18e-03
16	79	466.67	-126.77	24.71	0.02	-23.52	-0.01	-0.02
16	79	525.00	-110.31	23.94	0.02	-17.83	6.13e-03	-0.03
16	79	583.33	-93.67	23.36	0.02	-12.86	7.04e-05	-0.04
16	79	641.67	-83.42	22.86	0.02	-6.63	0.03	-0.05
16	79	700.00	-66.76	22.17	-0.07	-5.20	0.02	-0.05
16	83	350.00	-142.83	25.68	-0.03	-31.41	1.29e-03	-3.06e-03
16	83	408.33	-142.83	25.68	-0.03	-30.21	-0.02	-4.79e-03
16	83	466.67	-126.85	24.57	0.02	-23.52	-0.01	-0.02
16	83	525.00	-110.37	23.78	0.03	-17.85	8.11e-03	-0.03
16	83	583.33	-93.72	23.20	0.02	-12.91	2.22e-03	-0.04
16	83	641.67	-83.46	22.69	0.02	-6.71	0.03	-0.05
16	83	700.00	-66.82	21.99	-0.07	-5.25	0.02	-0.04

16	86	350.00	90.50	-21.54	-0.03	27.09	-1.29e-03	0.02
16	86	408.33	90.50	-21.54	-0.03	28.30	-0.02	0.02
16	86	466.67	76.16	-20.56	-0.04	23.59	-0.04	0.02
16	86	525.00	63.46	-19.81	-0.03	18.82	-0.06	0.03
16	86	583.33	51.45	-19.20	-0.02	14.36	-0.05	0.04
16	86	641.67	46.41	-18.66	-5.00e-03	8.36	-0.07	0.04
16	86	700.00	46.65	-17.90	0.14	0.65	-0.03	0.03
16	87	350.00	-130.32	23.00	-0.04	-28.02	4.76e-04	-6.06e-03
16	87	408.33	-130.32	23.00	-0.04	-26.81	-0.02	-7.81e-03
16	87	466.67	-116.05	22.03	0.02	-20.82	-0.01	-0.02
16	87	525.00	-101.21	21.36	0.03	-15.79	5.72e-03	-0.03
16	87	583.33	-86.12	20.88	0.03	-11.46	-0.01	-0.04
16	87	641.67	-77.16	20.48	0.03	-5.87	0.04	-0.05
16	87	700.00	-61.39	19.91	-0.09	-5.09	0.03	-0.05
16	111	350.00	-217.93	41.86	-0.05	-50.26	-3.46e-03	-0.01
16	111	408.33	-217.93	41.86	-0.05	-49.05	-0.02	-0.02
16	111	466.67	-191.61	40.08	0.03	-38.38	-0.02	-0.04
16	111	525.00	-165.03	38.79	0.03	-28.92	8.86e-03	-0.05
16	111	583.33	-138.51	37.81	0.04	-20.30	4.36e-03	-0.06
16	111	641.67	-118.80	36.94	0.03	-10.47	0.05	-0.07
16	111	700.00	-96.24	35.74	-0.11	-4.51	0.03	-0.07
16	115	350.00	-218.08	41.71	-0.04	-50.20	-2.22e-03	-0.01
16	115	408.33	-218.08	41.71	-0.04	-49.00	-0.02	-0.02
16	115	466.67	-191.68	39.91	0.03	-38.36	-0.02	-0.03
16	115	525.00	-165.08	38.60	0.04	-28.94	0.01	-0.05
16	115	583.33	-138.55	37.60	0.04	-20.36	6.58e-03	-0.06
16	115	641.67	-118.83	36.72	0.03	-10.56	0.05	-0.07
16	115	700.00	-96.29	35.51	-0.11	-4.58	0.03	-0.06
16	118	350.00	165.74	-37.57	-0.02	45.88	2.22e-03	0.03
16	118	408.33	165.74	-37.57	-0.02	47.08	-0.02	0.03
16	118	466.67	140.99	-35.90	-0.05	38.43	-0.03	0.04
16	118	525.00	118.17	-34.62	-0.04	29.91	-0.06	0.05
16	118	583.33	96.29	-33.61	-0.04	21.81	-0.06	0.06
16	118	641.67	81.77	-32.69	-0.02	12.22	-0.09	0.06
16	118	700.00	76.11	-31.43	0.18	-0.03	-0.04	0.05
16	119	350.00	-210.73	40.09	-0.06	-47.75	-4.60e-03	-0.02
16	119	408.33	-210.73	40.09	-0.06	-46.54	-0.02	-0.02
16	119	466.67	-185.30	38.41	0.03	-36.37	-0.02	-0.04
16	119	525.00	-159.59	37.21	0.04	-27.35	6.79e-03	-0.06
16	119	583.33	-133.86	36.33	0.05	-19.11	-0.01	-0.07
16	119	641.67	-114.24	35.56	0.05	-9.75	0.06	-0.08
16	119	700.00	-92.08	34.48	-0.13	-4.01	0.04	-0.07
16	143	350.00	-19.28	1.38	-0.02	-1.49	0.0	4.55e-03
16	143	408.33	-19.28	1.38	-0.02	-0.69	-0.01	4.69e-03
16	143	466.67	-18.69	1.33	-6.91e-03	0.03	-0.02	2.02e-03
16	143	525.00	-17.32	1.32	-3.54e-04	0.35	-0.02	-5.99e-05
16	143	583.33	-15.63	1.33	6.92e-04	0.51	-0.02	-1.78e-03
16	143	641.67	-13.72	1.34	5.15e-03	0.57	-0.01	-3.64e-03
16	143	700.00	-7.59	1.36	0.02	-1.72	-5.92e-04	-4.61e-03
16	146	350.00	-32.58	2.66	-0.04	-2.72	0.0	8.93e-03
16	146	408.33	-32.58	2.66	-0.04	-1.17	-0.02	9.25e-03
16	146	466.67	-31.59	2.58	-0.01	0.07	-0.03	4.13e-03
16	146	525.00	-29.27	2.56	-1.72e-03	0.64	-0.03	1.43e-04
16	146	583.33	-26.41	2.57	-9.91e-04	0.94	-0.03	-3.28e-03
16	146	641.67	-23.19	2.60	7.94e-03	1.08	-0.03	-7.32e-03
16	146	700.00	-12.57	2.64	0.04	-2.87	-1.41e-03	-9.77e-03
16	150	350.00	-19.28	1.38	-0.02	-1.49	0.0	4.55e-03
16	150	408.33	-19.28	1.38	-0.02	-0.69	-0.01	4.69e-03
16	150	466.67	-18.69	1.33	-6.91e-03	0.03	-0.02	2.02e-03
16	150	525.00	-17.32	1.32	-3.54e-04	0.35	-0.02	-5.99e-05
16	150	583.33	-15.63	1.33	6.92e-04	0.51	-0.02	-1.78e-03
16	150	641.67	-13.72	1.34	5.15e-03	0.57	-0.01	-3.64e-03
16	150	700.00	-7.59	1.36	0.02	-1.72	-5.92e-04	-4.61e-03
16	151	350.00	-27.31	2.19	-0.03	-2.27	0.0	7.31e-03
16	151	408.33	-27.31	2.19	-0.03	-1.00	-0.02	7.57e-03
16	151	466.67	-26.45	2.12	-0.01	0.04	-0.03	3.37e-03
16	151	525.00	-24.48	2.10	-1.40e-03	0.51	-0.03	1.12e-04
16	151	583.33	-22.05	2.11	-8.06e-04	0.76	-0.03	-2.69e-03
16	151	641.67	-19.33	2.13	6.50e-03	0.87	-0.02	-6.00e-03
16	151	700.00	-10.50	2.16	0.03	-2.40	-1.15e-03	-8.00e-03
16	155	350.00	-19.28	1.38	-0.02	-1.49	0.0	4.55e-03
16	155	408.33	-19.28	1.38	-0.02	-0.69	-0.01	4.69e-03
16	155	466.67	-18.69	1.33	-6.91e-03	0.03	-0.02	2.02e-03
16	155	525.00	-17.32	1.32	-3.54e-04	0.35	-0.02	-5.99e-05
16	155	583.33	-15.63	1.33	6.92e-04	0.51	-0.02	-1.78e-03

16	155	641.67	-13.72	1.34	5.15e-03	0.57	-0.01	-3.64e-03
16	155	700.00	-7.59	1.36	0.02	-1.72	-5.92e-04	-4.61e-03
16	156	350.00	-26.17	2.07	-0.03	-2.16	0.0	6.91e-03
16	156	408.33	-26.17	2.07	-0.03	-0.96	-0.02	7.16e-03
16	156	466.67	-25.34	2.00	-0.01	0.04	-0.02	3.18e-03
16	156	525.00	-23.45	1.99	-1.25e-03	0.48	-0.02	8.73e-05
16	156	583.33	-21.13	2.00	-5.92e-04	0.72	-0.02	-2.56e-03
16	156	641.67	-18.53	2.01	6.31e-03	0.83	-0.02	-5.66e-03
16	156	700.00	-10.09	2.04	0.03	-2.30	-1.07e-03	-7.51e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-218.08	-37.57	-0.13	-50.26	-0.09	-0.08
	165.74	41.86	0.18	47.08	0.06	0.06

Macro	Tipo	Angolo 1-Z (gradi)
17	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
17	3	700.00	-58.86	2.25	-0.08	6.76	-8.33e-03	1.22e-03
17	3	758.33	-58.86	2.25	-0.08	5.45	-0.06	1.80e-03
17	3	816.67	-56.47	7.05	3.01e-03	-5.81	-0.06	2.29e-03
17	3	875.00	-53.72	7.02	0.04	-13.18	-0.03	2.69e-03
17	3	933.33	-51.33	7.02	0.04	-20.39	-0.01	2.89e-03
17	3	991.67	-49.01	7.04	0.03	-27.66	3.66e-03	2.84e-03
17	3	1050.00	-44.15	2.80	-9.81e-03	-36.77	3.19e-04	2.28e-03
17	4	700.00	-78.13	2.88	-0.07	-5.04	-0.01	1.31e-03
17	4	758.33	-78.13	2.88	-0.07	-6.72	-0.05	1.82e-03
17	4	816.67	-76.11	7.90	0.01	-18.88	-0.05	2.17e-03
17	4	875.00	-73.57	7.86	0.04	-26.58	-0.02	2.42e-03
17	4	933.33	-71.40	7.86	0.04	-34.18	3.13e-03	2.46e-03
17	4	991.67	-69.27	7.88	0.02	-41.91	0.02	2.23e-03
17	4	1050.00	-63.56	2.32	-0.03	-51.95	4.04e-04	1.61e-03
17	7	700.00	-41.02	1.65	-0.07	10.64	-6.38e-03	1.02e-03
17	7	758.33	-41.02	1.65	-0.07	9.68	-0.05	1.55e-03
17	7	816.67	-39.16	5.71	-1.03e-03	0.40	-0.05	2.02e-03
17	7	875.00	-37.07	5.68	0.03	-5.77	-0.03	2.42e-03
17	7	933.33	-35.28	5.68	0.03	-11.79	-0.02	2.66e-03
17	7	991.67	-33.55	5.69	0.02	-17.83	-1.38e-03	2.68e-03
17	7	1050.00	-30.06	2.59	-5.85e-04	-25.29	2.40e-04	2.22e-03
17	9	700.00	-100.45	3.24	-0.01	-37.34	-0.01	7.56e-04
17	9	758.33	-100.45	3.24	-0.01	-39.23	-0.02	7.46e-04
17	9	816.67	-98.46	5.79	0.03	-47.09	6.26e-04	5.05e-04
17	9	875.00	-95.71	5.77	0.04	-51.34	0.02	1.93e-04
17	9	933.33	-93.18	5.76	0.03	-55.72	0.04	-2.40e-04
17	9	991.67	-90.60	5.79	-3.48e-03	-60.43	0.04	-8.24e-04
17	9	1050.00	-83.51	-0.41	-0.07	-67.24	4.12e-04	-1.25e-03
17	16	700.00	22.38	-19.72	-0.91	-213.44	2.35	-0.14
17	16	758.33	22.38	-19.72	-0.91	-214.35	2.32	-0.14
17	16	816.67	12.30	-19.28	-0.55	-181.76	1.81	-0.07
17	16	875.00	2.04	-19.36	-0.48	-147.04	1.49	-0.06
17	16	933.33	-8.31	-19.54	-0.50	-112.57	1.21	-0.05
17	16	991.67	-18.51	-19.84	-0.70	-78.43	0.87	-0.03
17	16	1050.00	-26.86	-20.67	-1.18	-46.44	0.34	-0.02
17	17	700.00	-112.11	22.85	0.82	209.31	-2.35	0.15
17	17	758.33	-112.11	22.85	0.82	208.40	-2.38	0.15
17	17	816.67	-97.99	27.60	0.56	162.85	-1.87	0.08
17	17	875.00	-83.14	27.64	0.52	119.91	-1.52	0.07
17	17	933.33	-68.61	27.83	0.54	77.31	-1.21	0.05
17	17	991.67	-54.28	28.14	0.73	34.88	-0.86	0.03
17	17	1050.00	-38.18	23.26	1.16	-7.64	-0.34	0.02
17	26	700.00	-97.03	42.08	0.74	232.72	-2.05	0.15
17	26	758.33	-97.03	42.08	0.74	231.80	-2.07	0.14
17	26	816.67	-86.03	47.25	0.54	181.73	-1.77	0.09
17	26	875.00	-74.07	46.70	0.48	134.81	-1.48	0.07
17	26	933.33	-62.24	46.25	0.55	88.51	-1.20	0.05
17	26	991.67	-50.49	45.97	0.72	42.40	-0.85	0.03
17	26	1050.00	-37.63	39.31	1.16	-5.71	-0.33	0.02
17	30	700.00	-97.78	40.85	0.77	231.06	-1.97	0.17
17	30	758.33	-97.78	40.85	0.77	230.15	-2.00	0.16
17	30	816.67	-86.66	46.06	0.49	180.40	-1.70	0.11
17	30	875.00	-74.58	45.50	0.46	133.74	-1.45	0.09

17	30	933.33	-62.60	45.06	0.52	87.69	-1.18	0.07
17	30	991.67	-50.71	44.77	0.71	41.83	-0.84	0.05
17	30	1050.00	-37.66	38.18	1.14	-5.75	-0.33	0.04
17	48	700.00	10.75	-15.96	-0.79	-183.96	2.10	-0.13
17	48	758.33	10.75	-15.96	-0.79	-184.87	2.07	-0.13
17	48	816.67	3.06	-15.42	-0.47	-157.79	1.62	-0.06
17	48	875.00	-4.90	-15.51	-0.44	-128.50	1.33	-0.05
17	48	933.33	-13.12	-15.71	-0.46	-99.41	1.07	-0.04
17	48	991.67	-21.32	-16.02	-0.63	-70.59	0.76	-0.02
17	48	1050.00	-27.81	-17.20	-1.03	-44.02	0.29	-0.01
17	49	700.00	-100.48	19.09	0.70	179.83	-2.11	0.13
17	49	758.33	-100.48	19.09	0.70	178.92	-2.13	0.13
17	49	816.67	-88.75	23.74	0.48	138.88	-1.68	0.06
17	49	875.00	-76.20	23.80	0.49	101.37	-1.35	0.05
17	49	933.33	-63.80	23.99	0.51	64.14	-1.07	0.04
17	49	991.67	-51.46	24.33	0.66	27.03	-0.75	0.02
17	49	1050.00	-37.22	19.79	1.01	-10.05	-0.29	0.02
17	58	700.00	-82.63	37.15	0.59	196.11	-1.73	0.12
17	58	758.33	-82.63	37.15	0.59	195.19	-1.75	0.12
17	58	816.67	-74.62	42.21	0.44	151.85	-1.53	0.07
17	58	875.00	-65.51	41.65	0.43	111.64	-1.29	0.05
17	58	933.33	-56.28	41.20	0.50	72.07	-1.05	0.03
17	58	991.67	-46.97	40.90	0.64	32.68	-0.74	0.02
17	58	1050.00	-36.50	34.70	1.01	-8.81	-0.29	5.25e-03
17	62	700.00	-83.37	36.03	0.62	194.63	-1.64	0.14
17	62	758.33	-83.37	36.03	0.62	193.72	-1.67	0.14
17	62	816.67	-75.24	41.14	0.39	150.67	-1.46	0.09
17	62	875.00	-66.00	40.58	0.40	110.70	-1.26	0.07
17	62	933.33	-56.64	40.12	0.47	71.34	-1.02	0.05
17	62	991.67	-47.19	39.82	0.63	32.16	-0.73	0.04
17	62	1050.00	-36.54	33.68	0.99	-8.83	-0.29	0.03
17	80	700.00	3.26	-13.62	-0.69	-160.54	1.84	-0.11
17	80	758.33	3.26	-13.62	-0.69	-161.46	1.81	-0.12
17	80	816.67	-3.08	-12.84	-0.41	-138.71	1.42	-0.05
17	80	875.00	-9.64	-12.92	-0.38	-113.72	1.16	-0.04
17	80	933.33	-16.47	-13.10	-0.41	-88.89	0.94	-0.03
17	80	991.67	-23.31	-13.38	-0.55	-64.31	0.66	-0.02
17	80	1050.00	-28.44	-14.78	-0.90	-41.88	0.26	-0.01
17	81	700.00	-92.99	16.74	0.60	156.41	-1.85	0.12
17	81	758.33	-92.99	16.74	0.60	155.50	-1.87	0.12
17	81	816.67	-82.61	21.16	0.42	119.79	-1.47	0.05
17	81	875.00	-71.46	21.21	0.43	86.59	-1.19	0.04
17	81	933.33	-60.44	21.39	0.45	53.63	-0.94	0.03
17	81	991.67	-49.47	21.69	0.58	20.76	-0.65	0.02
17	81	1050.00	-36.59	17.37	0.88	-12.19	-0.26	0.01
17	94	700.00	-77.74	31.79	0.54	169.44	-1.43	0.13
17	94	758.33	-77.74	31.79	0.54	168.53	-1.46	0.12
17	94	816.67	-70.56	36.62	0.34	130.16	-1.28	0.08
17	94	875.00	-62.35	36.12	0.36	94.80	-1.10	0.06
17	94	933.33	-54.04	35.71	0.41	59.97	-0.90	0.05
17	94	991.67	-45.65	35.44	0.55	25.29	-0.64	0.03
17	94	1050.00	-35.98	29.70	0.87	-11.13	-0.25	0.02
17	102	700.00	-42.35	33.94	0.10	89.11	-0.48	1.26e-03
17	102	758.33	-42.35	33.94	0.10	88.20	-0.50	4.10e-03
17	102	816.67	-41.52	37.77	0.13	64.38	-0.46	-8.05e-03
17	102	875.00	-39.83	36.76	0.11	43.94	-0.44	-5.07e-03
17	102	933.33	-38.02	35.75	0.20	24.16	-0.37	-0.01
17	102	991.67	-36.07	34.77	0.22	4.53	-0.25	-0.02
17	102	1050.00	-33.64	28.81	0.35	-19.36	-0.10	-0.03
17	112	700.00	39.48	-25.30	-1.12	-264.84	2.89	-0.18
17	112	758.33	39.48	-25.30	-1.12	-265.75	2.86	-0.18
17	112	816.67	26.20	-25.31	-0.68	-223.65	2.24	-0.09
17	112	875.00	12.70	-25.39	-0.59	-179.48	1.84	-0.08
17	112	933.33	-0.80	-25.60	-0.61	-135.64	1.50	-0.06
17	112	991.67	-14.07	-25.94	-0.86	-92.19	1.08	-0.04
17	112	1050.00	-25.43	-26.25	-1.46	-51.06	0.42	-0.03
17	113	700.00	-129.20	28.42	1.03	260.71	-2.90	0.18
17	113	758.33	-129.20	28.42	1.03	259.79	-2.92	0.18
17	113	816.67	-111.89	33.63	0.69	204.73	-2.29	0.10
17	113	875.00	-93.80	33.67	0.63	152.35	-1.87	0.08
17	113	933.33	-76.11	33.88	0.66	100.38	-1.50	0.06
17	113	991.67	-58.72	34.25	0.89	48.64	-1.06	0.04
17	113	1050.00	-39.61	28.83	1.44	-3.02	-0.42	0.03
17	122	700.00	-113.15	51.91	0.95	293.02	-2.57	0.18
17	122	758.33	-113.15	51.91	0.95	292.11	-2.60	0.18

17	122	816.67	-99.12	57.63	0.68	230.89	-2.20	0.12
17	122	875.00	-84.09	56.98	0.60	172.96	-1.84	0.10
17	122	933.33	-69.28	56.46	0.67	115.76	-1.50	0.07
17	122	991.67	-54.66	56.13	0.89	58.79	-1.06	0.04
17	122	1050.00	-39.08	48.55	1.44	-0.33	-0.42	0.03
17	126	700.00	-114.06	50.43	0.99	291.05	-2.49	0.21
17	126	758.33	-114.06	50.43	0.99	290.14	-2.51	0.21
17	126	816.67	-99.88	56.20	0.62	229.30	-2.13	0.14
17	126	875.00	-84.69	55.54	0.57	171.69	-1.80	0.12
17	126	933.33	-69.72	55.02	0.64	114.78	-1.48	0.09
17	126	991.67	-54.91	54.69	0.88	58.11	-1.05	0.06
17	126	1050.00	-39.11	47.20	1.43	-0.38	-0.41	0.05
17	145	700.00	-44.05	1.64	-0.06	3.40	-5.74e-03	8.45e-04
17	145	758.33	-44.05	1.64	-0.06	2.45	-0.04	1.24e-03
17	145	816.67	-42.13	4.95	2.76e-03	-5.42	-0.04	1.56e-03
17	145	875.00	-39.94	4.93	0.03	-10.54	-0.02	1.82e-03
17	145	933.33	-38.00	4.93	0.03	-15.57	-6.92e-03	1.95e-03
17	145	991.67	-36.11	4.94	0.02	-20.64	3.46e-03	1.90e-03
17	145	1050.00	-32.37	1.89	-8.41e-03	-27.01	2.27e-04	1.52e-03
17	146	700.00	-56.89	2.06	-0.05	-4.46	-7.53e-03	9.03e-04
17	146	758.33	-56.89	2.06	-0.05	-5.66	-0.04	1.25e-03
17	146	816.67	-55.22	5.51	9.27e-03	-14.14	-0.03	1.48e-03
17	146	875.00	-53.17	5.49	0.03	-19.48	-0.01	1.64e-03
17	146	933.33	-51.38	5.49	0.03	-24.76	2.90e-03	1.66e-03
17	146	991.67	-49.62	5.50	0.01	-30.14	0.01	1.50e-03
17	146	1050.00	-45.31	1.57	-0.02	-37.12	2.84e-04	1.07e-03
17	147	700.00	-71.78	2.30	-0.01	-26.00	-7.15e-03	5.34e-04
17	147	758.33	-71.78	2.30	-0.01	-27.34	-0.01	5.34e-04
17	147	816.67	-70.12	4.10	0.02	-32.94	-5.07e-04	3.70e-04
17	147	875.00	-67.94	4.09	0.03	-35.98	0.02	1.59e-04
17	147	933.33	-65.90	4.09	0.02	-39.12	0.03	-1.36e-04
17	147	991.67	-63.84	4.10	-1.95e-03	-42.49	0.03	-5.40e-04
17	147	1050.00	-58.61	-0.25	-0.05	-47.32	2.89e-04	-8.42e-04
17	151	700.00	-44.66	1.58	-0.05	-0.70	-5.09e-03	7.16e-04
17	151	758.33	-44.66	1.58	-0.05	-1.62	-0.03	1.02e-03
17	151	816.67	-42.67	4.36	4.64e-03	-8.45	-0.03	1.25e-03
17	151	875.00	-40.40	4.34	0.02	-12.81	-0.02	1.43e-03
17	151	933.33	-38.34	4.34	0.02	-17.12	-2.16e-03	1.50e-03
17	151	991.67	-36.32	4.35	0.01	-21.49	5.90e-03	1.41e-03
17	151	1050.00	-32.48	1.44	-0.01	-27.03	2.12e-04	1.08e-03
17	152	700.00	-51.22	1.62	-0.02	-13.41	-4.29e-03	4.40e-04
17	152	758.33	-51.22	1.62	-0.02	-14.36	-0.02	5.21e-04
17	152	816.67	-49.16	3.20	0.01	-19.00	-9.10e-03	4.95e-04
17	152	875.00	-46.76	3.19	0.02	-21.68	2.98e-03	4.45e-04
17	152	933.33	-44.49	3.19	0.02	-24.41	0.01	3.25e-04
17	152	991.67	-42.22	3.20	3.21e-03	-27.28	0.01	1.11e-04
17	152	1050.00	-37.91	0.27	-0.03	-31.13	1.98e-04	-1.22e-04
17	154	700.00	-50.00	1.73	-0.04	-5.21	-5.59e-03	6.97e-04
17	154	758.33	-50.00	1.73	-0.04	-6.22	-0.03	9.54e-04
17	154	816.67	-48.08	4.39	7.87e-03	-12.94	-0.02	1.11e-03
17	154	875.00	-45.84	4.37	0.02	-17.14	-0.01	1.23e-03
17	154	933.33	-43.81	4.37	0.02	-21.31	3.36e-03	1.23e-03
17	154	991.67	-41.80	4.38	0.01	-25.58	9.89e-03	1.09e-03
17	154	1050.00	-37.69	1.16	-0.02	-31.08	2.29e-04	7.53e-04
17	155	700.00	-46.09	1.45	-0.02	-10.27	-3.57e-03	4.17e-04
17	155	758.33	-46.09	1.45	-0.02	-11.11	-0.02	5.18e-04
17	155	816.67	-43.93	2.98	9.02e-03	-15.51	-0.01	5.27e-04
17	155	875.00	-41.47	2.97	0.02	-18.10	-3.99e-04	5.17e-04
17	155	933.33	-39.14	2.97	0.02	-20.73	8.96e-03	4.40e-04
17	155	991.67	-36.81	2.98	4.50e-03	-23.48	0.01	2.74e-04
17	155	1050.00	-32.73	0.40	-0.02	-27.08	1.76e-04	5.83e-05
17	156	700.00	-44.86	1.56	-0.04	-2.06	-4.87e-03	6.73e-04
17	156	758.33	-44.86	1.56	-0.04	-2.98	-0.03	9.50e-04
17	156	816.67	-42.85	4.16	5.27e-03	-9.46	-0.03	1.14e-03
17	156	875.00	-40.55	4.14	0.02	-13.56	-0.01	1.30e-03
17	156	933.33	-38.46	4.14	0.02	-17.63	-5.71e-04	1.35e-03
17	156	991.67	-36.39	4.15	0.01	-21.78	6.71e-03	1.25e-03
17	156	1050.00	-32.52	1.29	-0.01	-27.04	2.07e-04	9.33e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-129.20	-26.25	-1.46	-265.75	-2.92	-0.18
	39.48	57.63	1.44	293.02	2.89	0.21

Macro Tipo Angolo 1-Z (gradi)

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
18	3	700.00	-22.90	-0.42	-3.27e-05	-13.70	1.14e-04	1.64e-05
18	3	758.33	-22.90	-0.42	-3.27e-05	-13.45	9.54e-05	5.70e-06
18	3	816.67	-23.33	-7.03	-3.27e-05	-9.03	7.63e-05	-1.36e-06
18	3	875.00	-22.44	-7.03	-3.27e-05	-4.93	5.72e-05	-5.74e-06
18	3	933.33	-21.55	-7.03	-3.27e-05	-0.83	3.82e-05	-8.43e-06
18	3	991.67	-20.67	-7.03	-3.27e-05	3.27	1.91e-05	-9.75e-06
18	3	1050.00	-19.39	-2.28	-3.27e-05	4.51	0.0	-8.83e-06
18	4	700.00	-30.88	-0.74	-2.81e-05	-13.27	9.83e-05	1.38e-05
18	4	758.33	-30.88	-0.74	-2.81e-05	-12.85	8.19e-05	4.92e-06
18	4	816.67	-31.57	-7.88	-2.81e-05	-7.87	6.55e-05	-1.23e-06
18	4	875.00	-30.69	-7.88	-2.81e-05	-3.27	4.91e-05	-5.02e-06
18	4	933.33	-29.80	-7.88	-2.81e-05	1.32	3.28e-05	-7.33e-06
18	4	991.67	-28.92	-7.88	-2.81e-05	5.92	1.64e-05	-8.46e-06
18	4	1050.00	-27.33	-2.11	-2.81e-05	6.98	0.0	-7.61e-06
18	5	700.00	-16.33	-0.43	-5.18e-06	-3.38	1.81e-05	2.31e-06
18	5	758.33	-16.33	-0.43	-5.18e-06	-3.13	1.51e-05	0.0
18	5	816.67	-16.32	-2.75	-5.18e-06	-1.36	1.21e-05	0.0
18	5	875.00	-15.64	-2.75	-5.18e-06	0.24	9.06e-06	0.0
18	5	933.33	-14.96	-2.75	-5.18e-06	1.85	6.04e-06	-1.37e-06
18	5	991.67	-14.28	-2.75	-5.18e-06	3.45	3.02e-06	-1.58e-06
18	5	1050.00	-13.19	-0.47	-5.18e-06	3.62	0.0	-1.39e-06
18	11	700.00	-38.96	-1.12	-1.60e-05	-10.29	5.62e-05	7.40e-06
18	11	758.33	-38.96	-1.12	-1.60e-05	-9.64	4.68e-05	2.88e-06
18	11	816.67	-39.82	-7.84	-1.60e-05	-4.64	3.74e-05	0.0
18	11	875.00	-38.94	-7.84	-1.60e-05	-0.07	2.81e-05	-3.01e-06
18	11	933.33	-38.05	-7.84	-1.60e-05	4.51	1.87e-05	-4.35e-06
18	11	991.67	-37.17	-7.84	-1.60e-05	9.08	9.36e-06	-4.99e-06
18	11	1050.00	-35.21	-1.48	-1.60e-05	9.68	0.0	-4.40e-06
18	23	700.00	-16.04	-1.40	0.73	-4.95	0.15	-0.04
18	23	758.33	-16.04	-1.40	0.73	-4.74	0.15	-0.05
18	23	816.67	-16.17	-3.28	0.46	-1.96	0.51	-0.05
18	23	875.00	-15.97	-2.78	0.20	-0.02	0.72	-0.05
18	23	933.33	-15.99	-2.77	-0.10	1.92	0.75	-0.05
18	23	991.67	-14.09	-2.74	-0.41	4.03	0.60	-0.05
18	23	1050.00	-13.54	-0.38	-0.76	4.09	0.23	-0.04
18	24	700.00	-16.13	-1.14	0.69	-6.83	0.13	-0.05
18	24	758.33	-16.13	-1.14	0.69	-6.61	0.13	-0.05
18	24	816.67	-16.88	-3.83	0.47	-3.91	0.46	-0.05
18	24	875.00	-16.38	-3.41	0.20	-1.58	0.64	-0.05
18	24	933.33	-15.70	-3.51	-0.10	0.61	0.67	-0.05
18	24	991.67	-13.91	-3.59	-0.42	3.21	0.53	-0.05
18	24	1050.00	-13.67	-0.87	-0.76	3.73	0.21	-0.05
18	34	700.00	-17.61	0.31	-0.18	-10.35	-0.05	3.39e-03
18	34	758.33	-17.61	0.31	-0.18	-10.13	-0.05	3.90e-03
18	34	816.67	-18.73	-5.06	-0.06	-7.70	-0.17	5.17e-03
18	34	875.00	-17.42	-5.19	-0.02	-4.59	-0.24	6.59e-03
18	34	933.33	-15.47	-5.49	0.01	-1.71	-0.26	7.91e-03
18	34	991.67	-14.87	-5.79	0.06	1.60	-0.20	9.06e-03
18	34	1050.00	-14.26	-2.06	0.12	2.97	-0.08	9.24e-03
18	38	700.00	-17.50	0.32	-0.27	-10.63	-0.07	5.83e-03
18	38	758.33	-17.50	0.32	-0.27	-10.41	-0.07	6.34e-03
18	38	816.67	-18.64	-5.25	-0.12	-7.94	-0.24	7.17e-03
18	38	875.00	-17.35	-5.51	-0.05	-4.77	-0.34	7.75e-03
18	38	933.33	-15.39	-5.67	0.02	-1.83	-0.35	8.14e-03
18	38	991.67	-15.24	-5.86	0.12	1.42	-0.28	8.45e-03
18	38	1050.00	-14.55	-2.10	0.22	2.85	-0.11	8.21e-03
18	48	700.00	-15.67	-1.05	0.33	-7.59	0.05	-0.04
18	48	758.33	-15.67	-1.05	0.33	-7.37	0.05	-0.04
18	48	816.67	-16.62	-4.46	0.25	-4.60	0.20	-0.04
18	48	875.00	-16.18	-4.48	0.12	-2.10	0.29	-0.04
18	48	933.33	-15.47	-4.12	-0.05	0.22	0.31	-0.05
18	48	991.67	-15.18	-3.80	-0.19	2.63	0.25	-0.05
18	48	1050.00	-14.72	-0.98	-0.39	3.33	0.10	-0.05
18	55	700.00	-15.90	-1.31	0.63	-4.63	0.13	-0.04
18	55	758.33	-15.90	-1.31	0.63	-4.41	0.13	-0.04
18	55	816.67	-16.10	-3.22	0.40	-1.69	0.45	-0.04
18	55	875.00	-15.96	-2.68	0.18	0.16	0.63	-0.04
18	55	933.33	-16.05	-2.66	-0.08	2.03	0.66	-0.04
18	55	991.67	-14.05	-2.62	-0.36	4.11	0.53	-0.04

18	55	1050.00	-13.53	-0.32	-0.67	4.14	0.21	-0.04
18	66	700.00	-17.69	0.30	-0.17	-10.58	-0.05	1.54e-03
18	66	758.33	-17.69	0.30	-0.17	-10.36	-0.05	1.92e-03
18	66	816.67	-18.87	-5.14	-0.05	-7.92	-0.17	3.01e-03
18	66	875.00	-17.54	-5.27	-0.02	-4.76	-0.24	4.33e-03
18	66	933.33	-15.42	-5.57	8.44e-03	-1.86	-0.25	5.60e-03
18	66	991.67	-14.83	-5.88	0.05	1.51	-0.20	6.69e-03
18	66	1050.00	-14.27	-2.11	0.11	2.93	-0.08	6.94e-03
18	70	700.00	-17.59	0.30	-0.25	-10.88	-0.07	3.38e-03
18	70	758.33	-17.59	0.30	-0.25	-10.66	-0.07	3.73e-03
18	70	816.67	-18.78	-5.33	-0.11	-8.18	-0.23	4.34e-03
18	70	875.00	-17.47	-5.61	-0.04	-4.95	-0.32	4.83e-03
18	70	933.33	-15.35	-5.78	0.02	-1.98	-0.33	5.19e-03
18	70	991.67	-15.23	-5.97	0.10	1.33	-0.27	5.48e-03
18	70	1050.00	-14.58	-2.16	0.19	2.81	-0.10	5.36e-03
18	80	700.00	-15.81	-0.97	0.29	-7.52	0.04	-0.03
18	80	758.33	-15.81	-0.97	0.29	-7.30	0.04	-0.03
18	80	816.67	-16.69	-4.43	0.22	-4.55	0.17	-0.04
18	80	875.00	-16.23	-4.44	0.10	-2.07	0.25	-0.04
18	80	933.33	-15.52	-4.12	-0.04	0.26	0.27	-0.04
18	80	991.67	-15.18	-3.84	-0.17	2.66	0.22	-0.04
18	80	1050.00	-14.67	-1.00	-0.34	3.36	0.09	-0.04
18	87	700.00	-16.01	-1.20	0.55	-4.89	0.11	-0.03
18	87	758.33	-16.01	-1.20	0.55	-4.67	0.11	-0.03
18	87	816.67	-16.22	-3.32	0.35	-1.97	0.39	-0.04
18	87	875.00	-16.02	-2.83	0.15	-0.06	0.55	-0.04
18	87	933.33	-16.03	-2.82	-0.07	1.88	0.58	-0.03
18	87	991.67	-14.17	-2.79	-0.31	3.99	0.46	-0.03
18	87	1050.00	-13.59	-0.41	-0.59	4.07	0.18	-0.03
18	98	700.00	-17.63	0.23	-0.15	-10.22	-0.04	1.17e-03
18	98	758.33	-17.63	0.23	-0.15	-10.00	-0.04	1.49e-03
18	98	816.67	-18.70	-5.04	-0.05	-7.54	-0.15	2.44e-03
18	98	875.00	-17.45	-5.16	-0.02	-4.46	-0.21	3.60e-03
18	98	933.33	-15.47	-5.42	7.27e-03	-1.61	-0.23	4.72e-03
18	98	991.67	-14.86	-5.70	0.04	1.66	-0.18	5.68e-03
18	98	1050.00	-14.25	-2.01	0.09	3.00	-0.07	5.91e-03
18	102	700.00	-17.54	0.23	-0.22	-10.48	-0.06	2.78e-03
18	102	758.33	-17.54	0.23	-0.22	-10.26	-0.06	3.07e-03
18	102	816.67	-18.63	-5.21	-0.09	-7.77	-0.20	3.59e-03
18	102	875.00	-17.38	-5.46	-0.03	-4.62	-0.28	4.02e-03
18	102	933.33	-15.40	-5.60	0.02	-1.72	-0.30	4.33e-03
18	102	991.67	-15.22	-5.77	0.09	1.50	-0.24	4.58e-03
18	102	1050.00	-14.54	-2.05	0.17	2.88	-0.09	4.48e-03
18	119	700.00	-15.93	-1.63	0.91	-4.72	0.19	-0.05
18	119	758.33	-15.93	-1.63	0.91	-4.51	0.19	-0.06
18	119	816.67	-16.00	-3.14	0.58	-1.67	0.64	-0.06
18	119	875.00	-15.87	-2.58	0.24	0.22	0.90	-0.06
18	119	933.33	-15.98	-2.58	-0.12	2.10	0.94	-0.06
18	119	991.67	-13.92	-2.54	-0.52	4.18	0.74	-0.06
18	119	1050.00	-13.42	-0.28	-0.95	4.17	0.29	-0.06
18	120	700.00	-16.02	-1.34	0.87	-6.90	0.16	-0.06
18	120	758.33	-16.02	-1.34	0.87	-6.68	0.16	-0.06
18	120	816.67	-16.82	-3.78	0.59	-3.94	0.57	-0.07
18	120	875.00	-16.33	-3.31	0.25	-1.59	0.80	-0.07
18	120	933.33	-15.64	-3.43	-0.12	0.59	0.84	-0.06
18	120	991.67	-13.70	-3.53	-0.52	3.23	0.66	-0.06
18	120	1050.00	-13.58	-0.84	-0.95	3.75	0.26	-0.06
18	130	700.00	-17.69	0.44	-0.22	-10.84	-0.06	4.77e-03
18	130	758.33	-17.69	0.44	-0.22	-10.63	-0.06	5.43e-03
18	130	816.67	-18.96	-5.19	-0.08	-8.22	-0.20	7.01e-03
18	130	875.00	-17.55	-5.35	-0.03	-5.02	-0.29	8.73e-03
18	130	933.33	-15.41	-5.70	0.01	-2.06	-0.30	0.01
18	130	991.67	-14.83	-6.05	0.07	1.38	-0.24	0.01
18	130	1050.00	-14.28	-2.21	0.15	2.88	-0.10	0.01
18	134	700.00	-17.54	0.45	-0.34	-11.15	-0.09	8.06e-03
18	134	758.33	-17.54	0.45	-0.34	-10.93	-0.09	8.73e-03
18	134	816.67	-18.85	-5.41	-0.16	-8.50	-0.29	9.80e-03
18	134	875.00	-17.45	-5.72	-0.06	-5.22	-0.41	0.01
18	134	933.33	-15.32	-5.91	0.03	-2.21	-0.43	0.01
18	134	991.67	-15.25	-6.13	0.15	1.18	-0.34	0.01
18	134	1050.00	-14.62	-2.25	0.28	2.74	-0.13	0.01
18	143	700.00	-17.20	-0.45	-5.76e-06	-3.71	2.02e-05	2.59e-06
18	143	758.33	-17.20	-0.45	-5.76e-06	-3.45	1.68e-05	1.09e-06
18	143	816.67	-17.24	-2.97	-5.76e-06	-1.54	1.34e-05	0.0
18	143	875.00	-16.56	-2.97	-5.76e-06	0.20	1.01e-05	-1.05e-06

18	143	933.33	-15.88	-2.97	-5.76e-06	1.93	6.72e-06	-1.53e-06
18	143	991.67	-15.19	-2.97	-5.76e-06	3.67	3.36e-06	-1.76e-06
18	143	1050.00	-14.08	-0.52	-5.76e-06	3.86	0.0	-1.55e-06
18	145	700.00	-16.98	-0.32	-2.22e-05	-9.40	7.77e-05	1.11e-05
18	145	758.33	-16.98	-0.32	-2.22e-05	-9.22	6.47e-05	3.88e-06
18	145	816.67	-17.24	-4.93	-2.22e-05	-6.11	5.18e-05	0.0
18	145	875.00	-16.56	-4.93	-2.22e-05	-3.23	3.88e-05	-3.90e-06
18	145	933.33	-15.88	-4.93	-2.22e-05	-0.36	2.59e-05	-5.72e-06
18	145	991.67	-15.19	-4.93	-2.22e-05	2.52	1.29e-05	-6.61e-06
18	145	1050.00	-14.21	-1.56	-2.22e-05	3.36	0.0	-5.99e-06
18	146	700.00	-22.30	-0.53	-1.91e-05	-9.12	6.68e-05	9.35e-06
18	146	758.33	-22.30	-0.53	-1.91e-05	-8.81	5.57e-05	3.36e-06
18	146	816.67	-22.74	-5.50	-1.91e-05	-5.33	4.46e-05	0.0
18	146	875.00	-22.06	-5.50	-1.91e-05	-2.13	3.34e-05	-3.41e-06
18	146	933.33	-21.37	-5.50	-1.91e-05	1.08	2.23e-05	-4.99e-06
18	146	991.67	-20.69	-5.50	-1.91e-05	4.29	1.11e-05	-5.75e-06
18	146	1050.00	-19.50	-1.44	-1.91e-05	5.01	0.0	-5.17e-06
18	149	700.00	-27.69	-0.79	-1.11e-05	-7.13	3.88e-05	5.09e-06
18	149	758.33	-27.69	-0.79	-1.11e-05	-6.67	3.23e-05	2.00e-06
18	149	816.67	-28.24	-5.47	-1.11e-05	-3.18	2.59e-05	0.0
18	149	875.00	-27.55	-5.47	-1.11e-05	0.01	1.94e-05	-2.07e-06
18	149	933.33	-26.87	-5.47	-1.11e-05	3.21	1.29e-05	-3.00e-06
18	149	991.67	-26.19	-5.47	-1.11e-05	6.40	6.46e-06	-3.44e-06
18	149	1050.00	-24.75	-1.02	-1.11e-05	6.81	0.0	-3.03e-06
18	150	700.00	-17.20	-0.45	-5.76e-06	-3.71	2.02e-05	2.59e-06
18	150	758.33	-17.20	-0.45	-5.76e-06	-3.45	1.68e-05	1.09e-06
18	150	816.67	-17.24	-2.97	-5.76e-06	-1.54	1.34e-05	0.0
18	150	875.00	-16.56	-2.97	-5.76e-06	0.20	1.01e-05	-1.05e-06
18	150	933.33	-15.88	-2.97	-5.76e-06	1.93	6.72e-06	-1.53e-06
18	150	991.67	-15.19	-2.97	-5.76e-06	3.67	3.36e-06	-1.76e-06
18	150	1050.00	-14.08	-0.52	-5.76e-06	3.86	0.0	-1.55e-06
18	151	700.00	-17.05	-0.36	-1.73e-05	-7.70	6.04e-05	8.52e-06
18	151	758.33	-17.05	-0.36	-1.73e-05	-7.49	5.03e-05	3.04e-06
18	151	816.67	-17.24	-4.35	-1.73e-05	-4.74	4.03e-05	0.0
18	151	875.00	-16.56	-4.35	-1.73e-05	-2.20	3.02e-05	-3.04e-06
18	151	933.33	-15.88	-4.35	-1.73e-05	0.33	2.01e-05	-4.47e-06
18	151	991.67	-15.19	-4.35	-1.73e-05	2.87	1.01e-05	-5.16e-06
18	151	1050.00	-14.17	-1.24	-1.73e-05	3.51	0.0	-4.66e-06
18	154	700.00	-19.20	-0.46	-1.44e-05	-7.01	5.03e-05	6.99e-06
18	154	758.33	-19.20	-0.46	-1.44e-05	-6.75	4.19e-05	2.56e-06
18	154	816.67	-19.44	-4.38	-1.44e-05	-3.97	3.36e-05	0.0
18	154	875.00	-18.76	-4.38	-1.44e-05	-1.42	2.52e-05	-2.56e-06
18	154	933.33	-18.08	-4.38	-1.44e-05	1.13	1.68e-05	-3.75e-06
18	154	991.67	-17.39	-4.38	-1.44e-05	3.69	8.39e-06	-4.33e-06
18	154	1050.00	-16.27	-1.10	-1.44e-05	4.22	0.0	-3.89e-06
18	155	700.00	-17.20	-0.45	-5.76e-06	-3.71	2.02e-05	2.59e-06
18	155	758.33	-17.20	-0.45	-5.76e-06	-3.45	1.68e-05	1.09e-06
18	155	816.67	-17.24	-2.97	-5.76e-06	-1.54	1.34e-05	0.0
18	155	875.00	-16.56	-2.97	-5.76e-06	0.20	1.01e-05	-1.05e-06
18	155	933.33	-15.88	-2.97	-5.76e-06	1.93	6.72e-06	-1.53e-06
18	155	991.67	-15.19	-2.97	-5.76e-06	3.67	3.36e-06	-1.76e-06
18	155	1050.00	-14.08	-0.52	-5.76e-06	3.86	0.0	-1.55e-06
18	156	700.00	-17.07	-0.37	-1.56e-05	-7.13	5.47e-05	7.67e-06
18	156	758.33	-17.07	-0.37	-1.56e-05	-6.91	4.55e-05	2.77e-06
18	156	816.67	-17.24	-4.15	-1.56e-05	-4.28	3.64e-05	0.0
18	156	875.00	-16.56	-4.15	-1.56e-05	-1.86	2.73e-05	-2.76e-06
18	156	933.33	-15.88	-4.15	-1.56e-05	0.56	1.82e-05	-4.05e-06
18	156	991.67	-15.19	-4.15	-1.56e-05	2.98	9.11e-06	-4.67e-06
18	156	1050.00	-14.16	-1.14	-1.56e-05	3.56	0.0	-4.21e-06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-39.82	-7.88	-0.95	-13.70	-0.43	-0.07
	-13.19	0.45	0.91	9.68	0.94	0.01

Macro	Tipo	Angolo 1-Z (gradi)
19	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
19	3	700.00	-22.90	-0.42	3.84e-05	-13.70	-1.34e-04	-2.38e-05
19	3	758.33	-22.90	-0.42	3.84e-05	-13.46	-1.12e-04	-1.27e-05
19	3	816.67	-23.33	-7.03	3.84e-05	-9.04	-8.96e-05	-5.41e-06

19	3	875.00	-22.44	-7.03	3.84e-05	-4.93	-6.72e-05	0.0
19	3	933.33	-21.55	-7.03	3.84e-05	-0.83	-4.48e-05	1.87e-06
19	3	991.67	-20.67	-7.03	3.84e-05	3.27	-2.24e-05	3.33e-06
19	3	1050.00	-19.39	-2.28	3.84e-05	4.51	0.0	3.37e-06
19	4	700.00	-30.88	-0.74	3.35e-05	-13.28	-1.17e-04	-2.07e-05
19	4	758.33	-30.88	-0.74	3.35e-05	-12.85	-9.78e-05	-1.12e-05
19	4	816.67	-31.57	-7.88	3.35e-05	-7.87	-7.82e-05	-4.82e-06
19	4	875.00	-30.69	-7.88	3.35e-05	-3.27	-5.87e-05	0.0
19	4	933.33	-29.80	-7.88	3.35e-05	1.32	-3.91e-05	1.54e-06
19	4	991.67	-28.92	-7.88	3.35e-05	5.92	-1.96e-05	2.81e-06
19	4	1050.00	-27.33	-2.11	3.35e-05	6.98	0.0	2.82e-06
19	5	700.00	-16.33	-0.43	6.61e-06	-3.38	-2.31e-05	-3.88e-06
19	5	758.33	-16.33	-0.43	6.61e-06	-3.13	-1.93e-05	-2.31e-06
19	5	816.67	-16.32	-2.75	6.61e-06	-1.36	-1.54e-05	0.0
19	5	875.00	-15.64	-2.75	6.61e-06	0.24	-1.16e-05	0.0
19	5	933.33	-14.96	-2.75	6.61e-06	1.84	-7.72e-06	0.0
19	5	991.67	-14.28	-2.75	6.61e-06	3.45	-3.86e-06	0.0
19	5	1050.00	-13.19	-0.47	6.61e-06	3.62	0.0	0.0
19	11	700.00	-38.96	-1.12	2.02e-05	-10.29	-7.08e-05	-1.22e-05
19	11	758.33	-38.96	-1.12	2.02e-05	-9.64	-5.90e-05	-7.05e-06
19	11	816.67	-39.82	-7.84	2.02e-05	-4.64	-4.72e-05	-3.06e-06
19	11	875.00	-38.94	-7.84	2.02e-05	-0.07	-3.54e-05	0.0
19	11	933.33	-38.05	-7.84	2.02e-05	4.51	-2.36e-05	0.0
19	11	991.67	-37.17	-7.84	2.02e-05	9.08	-1.18e-05	1.55e-06
19	11	1050.00	-35.21	-1.48	2.02e-05	9.68	0.0	1.49e-06
19	24	700.00	-18.10	0.64	0.69	-9.14	0.13	-0.05
19	24	758.33	-18.10	0.64	0.69	-8.93	0.13	-0.05
19	24	816.67	-18.28	-4.98	0.47	-6.46	0.45	-0.05
19	24	875.00	-16.72	-5.46	0.21	-3.69	0.64	-0.05
19	24	933.33	-15.77	-5.47	-0.10	-0.72	0.67	-0.05
19	24	991.67	-16.30	-5.50	-0.42	1.97	0.53	-0.05
19	24	1050.00	-14.77	-1.87	-0.76	3.04	0.21	-0.05
19	29	700.00	-16.05	-1.40	-0.73	-4.94	-0.15	0.04
19	29	758.33	-16.05	-1.40	-0.73	-4.72	-0.15	0.05
19	29	816.67	-16.17	-3.28	-0.46	-1.95	-0.51	0.05
19	29	875.00	-15.98	-2.78	-0.20	-0.01	-0.72	0.05
19	29	933.33	-16.00	-2.77	0.10	1.92	-0.75	0.05
19	29	991.67	-14.10	-2.74	0.41	4.04	-0.60	0.05
19	29	1050.00	-13.54	-0.38	0.76	4.10	-0.23	0.04
19	40	700.00	-17.61	0.31	0.18	-10.37	0.05	-3.44e-03
19	40	758.33	-17.61	0.31	0.18	-10.15	0.05	-3.96e-03
19	40	816.67	-18.72	-5.06	0.06	-7.71	0.17	-5.23e-03
19	40	875.00	-17.42	-5.20	0.02	-4.60	0.24	-6.65e-03
19	40	933.33	-15.47	-5.49	-0.01	-1.72	0.26	-7.96e-03
19	40	991.67	-14.87	-5.79	-0.06	1.60	0.20	-9.11e-03
19	40	1050.00	-14.26	-2.06	-0.12	2.97	0.08	-9.28e-03
19	44	700.00	-17.49	0.32	0.27	-10.64	0.07	-5.89e-03
19	44	758.33	-17.49	0.32	0.27	-10.43	0.07	-6.40e-03
19	44	816.67	-18.63	-5.25	0.12	-7.95	0.24	-7.23e-03
19	44	875.00	-17.34	-5.52	0.05	-4.78	0.34	-7.81e-03
19	44	933.33	-15.39	-5.68	-0.02	-1.84	0.35	-8.19e-03
19	44	991.67	-15.24	-5.87	-0.12	1.42	0.28	-8.50e-03
19	44	1050.00	-14.55	-2.10	-0.22	2.85	0.11	-8.25e-03
19	49	700.00	-15.55	-1.30	-0.33	-5.78	-0.05	0.04
19	49	758.33	-15.55	-1.30	-0.33	-5.57	-0.05	0.04
19	49	816.67	-15.85	-3.92	-0.25	-2.70	-0.20	0.04
19	49	875.00	-16.17	-3.86	-0.12	-0.47	-0.29	0.04
19	49	933.33	-15.77	-3.40	0.05	1.52	-0.31	0.05
19	49	991.67	-15.38	-2.97	0.19	3.45	-0.25	0.05
19	49	1050.00	-14.58	-0.51	0.39	3.69	-0.10	0.05
19	61	700.00	-15.90	-1.31	-0.63	-4.62	-0.13	0.04
19	61	758.33	-15.90	-1.31	-0.63	-4.40	-0.13	0.04
19	61	816.67	-16.11	-3.22	-0.40	-1.68	-0.45	0.04
19	61	875.00	-15.96	-2.68	-0.18	0.17	-0.63	0.04
19	61	933.33	-16.05	-2.66	0.08	2.04	-0.66	0.04
19	61	991.67	-14.05	-2.62	0.36	4.11	-0.53	0.04
19	61	1050.00	-13.53	-0.32	0.67	4.14	-0.21	0.04
19	72	700.00	-17.69	0.30	0.17	-10.60	0.05	-1.60e-03
19	72	758.33	-17.69	0.30	0.17	-10.38	0.05	-1.98e-03
19	72	816.67	-18.86	-5.14	0.05	-7.94	0.17	-3.07e-03
19	72	875.00	-17.54	-5.28	0.02	-4.77	0.24	-4.39e-03
19	72	933.33	-15.43	-5.58	-8.49e-03	-1.86	0.25	-5.65e-03
19	72	991.67	-14.83	-5.89	-0.05	1.51	0.20	-6.73e-03
19	72	1050.00	-14.27	-2.11	-0.11	2.93	0.08	-6.98e-03
19	76	700.00	-17.58	0.30	0.25	-10.89	0.07	-3.44e-03

19	76	758.33	-17.58	0.30	0.25	-10.67	0.07	-3.79e-03
19	76	816.67	-18.78	-5.34	0.11	-8.19	0.23	-4.40e-03
19	76	875.00	-17.46	-5.61	0.04	-4.96	0.32	-4.89e-03
19	76	933.33	-15.35	-5.78	-0.02	-1.99	0.33	-5.25e-03
19	76	991.67	-15.23	-5.97	-0.10	1.32	0.27	-5.52e-03
19	76	1050.00	-14.58	-2.16	-0.19	2.80	0.10	-5.40e-03
19	81	700.00	-15.70	-1.19	-0.29	-5.91	-0.04	0.03
19	81	758.33	-15.70	-1.19	-0.29	-5.69	-0.04	0.03
19	81	816.67	-15.99	-3.94	-0.22	-2.86	-0.17	0.04
19	81	875.00	-16.21	-3.89	-0.10	-0.61	-0.25	0.04
19	81	933.33	-15.79	-3.48	0.04	1.43	-0.27	0.04
19	81	991.67	-15.37	-3.09	0.17	3.40	-0.22	0.04
19	81	1050.00	-14.54	-0.57	0.34	3.68	-0.09	0.04
19	93	700.00	-16.02	-1.20	-0.55	-4.88	-0.11	0.03
19	93	758.33	-16.02	-1.20	-0.55	-4.67	-0.11	0.03
19	93	816.67	-16.22	-3.32	-0.35	-1.96	-0.39	0.04
19	93	875.00	-16.02	-2.83	-0.15	-0.05	-0.55	0.04
19	93	933.33	-16.04	-2.82	0.07	1.88	-0.58	0.03
19	93	991.67	-14.17	-2.79	0.31	3.99	-0.46	0.03
19	93	1050.00	-13.60	-0.41	0.59	4.08	-0.18	0.03
19	104	700.00	-17.63	0.23	0.15	-10.23	0.04	-1.22e-03
19	104	758.33	-17.63	0.23	0.15	-10.02	0.04	-1.55e-03
19	104	816.67	-18.70	-5.04	0.05	-7.55	0.15	-2.50e-03
19	104	875.00	-17.45	-5.16	0.02	-4.47	0.21	-3.65e-03
19	104	933.33	-15.47	-5.43	-7.31e-03	-1.61	0.22	-4.77e-03
19	104	991.67	-14.86	-5.70	-0.04	1.66	0.18	-5.72e-03
19	104	1050.00	-14.26	-2.01	-0.09	2.99	0.07	-5.95e-03
19	108	700.00	-17.54	0.22	0.22	-10.49	0.06	-2.84e-03
19	108	758.33	-17.54	0.22	0.22	-10.28	0.06	-3.13e-03
19	108	816.67	-18.62	-5.21	0.09	-7.78	0.20	-3.65e-03
19	108	875.00	-17.38	-5.46	0.03	-4.63	0.28	-4.07e-03
19	108	933.33	-15.40	-5.61	-0.02	-1.72	0.29	-4.38e-03
19	108	991.67	-15.22	-5.78	-0.09	1.50	0.23	-4.62e-03
19	108	1050.00	-14.54	-2.05	-0.17	2.88	0.09	-4.52e-03
19	120	700.00	-18.21	0.87	0.87	-9.34	0.16	-0.06
19	120	758.33	-18.21	0.87	0.87	-9.13	0.16	-0.06
19	120	816.67	-18.44	-5.10	0.59	-6.71	0.57	-0.07
19	120	875.00	-16.77	-5.65	0.25	-3.93	0.80	-0.07
19	120	933.33	-15.78	-5.65	-0.12	-0.89	0.84	-0.06
19	120	991.67	-16.47	-5.68	-0.52	1.83	0.66	-0.06
19	120	1050.00	-14.88	-1.97	-0.95	2.97	0.26	-0.06
19	125	700.00	-15.94	-1.63	-0.91	-4.71	-0.19	0.05
19	125	758.33	-15.94	-1.63	-0.91	-4.49	-0.19	0.06
19	125	816.67	-16.01	-3.14	-0.58	-1.66	-0.64	0.06
19	125	875.00	-15.87	-2.58	-0.24	0.23	-0.90	0.06
19	125	933.33	-15.99	-2.58	0.12	2.11	-0.94	0.06
19	125	991.67	-13.92	-2.54	0.52	4.19	-0.74	0.06
19	125	1050.00	-13.43	-0.28	0.95	4.17	-0.29	0.06
19	136	700.00	-17.69	0.44	0.22	-10.86	0.06	-4.83e-03
19	136	758.33	-17.69	0.44	0.22	-10.64	0.06	-5.50e-03
19	136	816.67	-18.95	-5.19	0.08	-8.24	0.20	-7.08e-03
19	136	875.00	-17.54	-5.36	0.03	-5.03	0.29	-8.79e-03
19	136	933.33	-15.41	-5.70	-0.01	-2.07	0.30	-0.01
19	136	991.67	-14.83	-6.06	-0.07	1.38	0.24	-0.01
19	136	1050.00	-14.28	-2.21	-0.15	2.88	0.10	-0.01
19	140	700.00	-17.54	0.45	0.34	-11.17	0.09	-8.12e-03
19	140	758.33	-17.54	0.45	0.34	-10.95	0.09	-8.80e-03
19	140	816.67	-18.84	-5.42	0.16	-8.51	0.29	-9.87e-03
19	140	875.00	-17.45	-5.72	0.06	-5.23	0.41	-0.01
19	140	933.33	-15.32	-5.91	-0.03	-2.21	0.43	-0.01
19	140	991.67	-15.25	-6.13	-0.15	1.18	0.34	-0.01
19	140	1050.00	-14.62	-2.25	-0.28	2.74	0.13	-0.01
19	143	700.00	-17.20	-0.45	7.32e-06	-3.71	-2.56e-05	-4.32e-06
19	143	758.33	-17.20	-0.45	7.32e-06	-3.45	-2.14e-05	-2.55e-06
19	143	816.67	-17.24	-2.97	7.32e-06	-1.54	-1.71e-05	-1.07e-06
19	143	875.00	-16.56	-2.97	7.32e-06	0.20	-1.28e-05	0.0
19	143	933.33	-15.88	-2.97	7.32e-06	1.93	-8.55e-06	0.0
19	143	991.67	-15.19	-2.97	7.32e-06	3.67	-4.27e-06	0.0
19	143	1050.00	-14.08	-0.52	7.32e-06	3.86	0.0	0.0
19	145	700.00	-16.98	-0.32	2.61e-05	-9.40	-9.13e-05	-1.62e-05
19	145	758.33	-16.98	-0.32	2.61e-05	-9.22	-7.61e-05	-8.63e-06
19	145	816.67	-17.24	-4.93	2.61e-05	-6.11	-6.09e-05	-3.67e-06
19	145	875.00	-16.56	-4.93	2.61e-05	-3.23	-4.57e-05	0.0
19	145	933.33	-15.88	-4.93	2.61e-05	-0.36	-3.04e-05	1.28e-06
19	145	991.67	-15.19	-4.93	2.61e-05	2.52	-1.52e-05	2.26e-06

19	145	1050.00	-14.21	-1.56	2.61e-05	3.36	0.0	2.29e-06
19	146	700.00	-22.30	-0.53	2.29e-05	-9.12	-8.00e-05	-1.41e-05
19	146	758.33	-22.30	-0.53	2.29e-05	-8.81	-6.67e-05	-7.66e-06
19	146	816.67	-22.74	-5.50	2.29e-05	-5.33	-5.33e-05	-3.28e-06
19	146	875.00	-22.06	-5.50	2.29e-05	-2.13	-4.00e-05	0.0
19	146	933.33	-21.37	-5.50	2.29e-05	1.08	-2.67e-05	1.06e-06
19	146	991.67	-20.69	-5.50	2.29e-05	4.29	-1.33e-05	1.92e-06
19	146	1050.00	-19.50	-1.44	2.29e-05	5.01	0.0	1.92e-06
19	149	700.00	-27.69	-0.79	1.40e-05	-7.13	-4.90e-05	-8.43e-06
19	149	758.33	-27.69	-0.79	1.40e-05	-6.68	-4.08e-05	-4.88e-06
19	149	816.67	-28.24	-5.48	1.40e-05	-3.18	-3.26e-05	-2.11e-06
19	149	875.00	-27.55	-5.48	1.40e-05	0.01	-2.45e-05	0.0
19	149	933.33	-26.87	-5.48	1.40e-05	3.20	-1.63e-05	0.0
19	149	991.67	-26.19	-5.48	1.40e-05	6.40	-8.16e-06	1.08e-06
19	149	1050.00	-24.75	-1.02	1.40e-05	6.81	0.0	1.03e-06
19	150	700.00	-17.20	-0.45	7.32e-06	-3.71	-2.56e-05	-4.32e-06
19	150	758.33	-17.20	-0.45	7.32e-06	-3.45	-2.14e-05	-2.55e-06
19	150	816.67	-17.24	-2.97	7.32e-06	-1.54	-1.71e-05	-1.07e-06
19	150	875.00	-16.56	-2.97	7.32e-06	0.20	-1.28e-05	0.0
19	150	933.33	-15.88	-2.97	7.32e-06	1.93	-8.55e-06	0.0
19	150	991.67	-15.19	-2.97	7.32e-06	3.67	-4.27e-06	0.0
19	150	1050.00	-14.08	-0.52	7.32e-06	3.86	0.0	0.0
19	151	700.00	-17.05	-0.36	2.05e-05	-7.70	-7.16e-05	-1.26e-05
19	151	758.33	-17.05	-0.36	2.05e-05	-7.49	-5.97e-05	-6.81e-06
19	151	816.67	-17.24	-4.35	2.05e-05	-4.74	-4.77e-05	-2.89e-06
19	151	875.00	-16.56	-4.35	2.05e-05	-2.20	-3.58e-05	0.0
19	151	933.33	-15.88	-4.35	2.05e-05	0.33	-2.39e-05	0.0
19	151	991.67	-15.19	-4.35	2.05e-05	2.87	-1.19e-05	1.77e-06
19	151	1050.00	-14.17	-1.24	2.05e-05	3.51	0.0	1.78e-06
19	154	700.00	-19.20	-0.46	1.73e-05	-7.02	-6.05e-05	-1.06e-05
19	154	758.33	-19.20	-0.46	1.73e-05	-6.75	-5.04e-05	-5.81e-06
19	154	816.67	-19.44	-4.38	1.73e-05	-3.97	-4.03e-05	-2.48e-06
19	154	875.00	-18.76	-4.38	1.73e-05	-1.42	-3.03e-05	0.0
19	154	933.33	-18.08	-4.38	1.73e-05	1.13	-2.02e-05	0.0
19	154	991.67	-17.39	-4.38	1.73e-05	3.69	-1.01e-05	1.46e-06
19	154	1050.00	-16.27	-1.10	1.73e-05	4.22	0.0	1.46e-06
19	155	700.00	-17.20	-0.45	7.32e-06	-3.71	-2.56e-05	-4.32e-06
19	155	758.33	-17.20	-0.45	7.32e-06	-3.45	-2.14e-05	-2.55e-06
19	155	816.67	-17.24	-2.97	7.32e-06	-1.54	-1.71e-05	-1.07e-06
19	155	875.00	-16.56	-2.97	7.32e-06	0.20	-1.28e-05	0.0
19	155	933.33	-15.88	-2.97	7.32e-06	1.93	-8.55e-06	0.0
19	155	991.67	-15.19	-2.97	7.32e-06	3.67	-4.27e-06	0.0
19	155	1050.00	-14.08	-0.52	7.32e-06	3.86	0.0	0.0
19	156	700.00	-17.07	-0.37	1.86e-05	-7.13	-6.50e-05	-1.14e-05
19	156	758.33	-17.07	-0.37	1.86e-05	-6.91	-5.42e-05	-6.20e-06
19	156	816.67	-17.24	-4.15	1.86e-05	-4.28	-4.34e-05	-2.63e-06
19	156	875.00	-16.56	-4.15	1.86e-05	-1.86	-3.25e-05	0.0
19	156	933.33	-15.88	-4.15	1.86e-05	0.56	-2.17e-05	0.0
19	156	991.67	-15.19	-4.15	1.86e-05	2.98	-1.08e-05	1.60e-06
19	156	1050.00	-14.16	-1.14	1.86e-05	3.56	0.0	1.61e-06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-39.82	-7.88	-0.95	-13.70	-0.94	-0.07
	-13.19	0.87	0.95	9.68	0.84	0.06

Macro	Tipo	Angolo 1-Z (gradi)
20	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
20	3	700.00	-58.86	2.24	0.08	6.74	8.37e-03	-1.21e-03
20	3	758.33	-58.86	2.24	0.08	5.44	0.06	-1.78e-03
20	3	816.67	-56.46	7.05	-2.70e-03	-5.82	0.06	-2.26e-03
20	3	875.00	-53.71	7.02	-0.04	-13.19	0.04	-2.70e-03
20	3	933.33	-51.32	7.02	-0.04	-20.41	0.01	-2.94e-03
20	3	991.67	-49.00	7.04	-0.03	-27.68	-2.54e-03	-2.89e-03
20	3	1050.00	-44.15	2.79	6.88e-03	-36.77	-2.79e-04	-2.30e-03
20	4	700.00	-78.12	2.87	0.07	-5.05	0.01	-1.30e-03
20	4	758.33	-78.12	2.87	0.07	-6.73	0.05	-1.79e-03
20	4	816.67	-76.11	7.90	-0.01	-18.90	0.05	-2.15e-03
20	4	875.00	-73.56	7.86	-0.04	-26.60	0.02	-2.43e-03
20	4	933.33	-71.39	7.86	-0.04	-34.20	-2.08e-03	-2.50e-03

20	4	991.67	-69.27	7.88	-0.02	-41.94	-0.01	-2.28e-03
20	4	1050.00	-63.56	2.31	0.03	-51.95	-3.62e-04	-1.62e-03
20	7	700.00	-41.02	1.64	0.07	10.63	6.42e-03	-1.01e-03
20	7	758.33	-41.02	1.64	0.07	9.67	0.05	-1.53e-03
20	7	816.67	-39.16	5.71	1.28e-03	0.39	0.05	-2.00e-03
20	7	875.00	-37.07	5.68	-0.03	-5.79	0.03	-2.43e-03
20	7	933.33	-35.27	5.68	-0.03	-11.81	0.02	-2.69e-03
20	7	991.67	-33.55	5.69	-0.02	-17.84	2.31e-03	-2.72e-03
20	7	1050.00	-30.06	2.58	-1.83e-03	-25.29	-2.07e-04	-2.24e-03
20	9	700.00	-100.45	3.23	0.01	-37.35	0.01	-7.49e-04
20	9	758.33	-100.45	3.23	0.01	-39.24	0.02	-7.34e-04
20	9	816.67	-98.46	5.79	-0.03	-47.11	-4.85e-04	-4.95e-04
20	9	875.00	-95.71	5.77	-0.04	-51.35	-0.02	-1.96e-04
20	9	933.33	-93.17	5.76	-0.03	-55.74	-0.04	2.20e-04
20	9	991.67	-90.59	5.78	3.67e-03	-60.45	-0.04	8.02e-04
20	9	1050.00	-83.51	-0.41	0.07	-67.24	-3.85e-04	1.26e-03
20	19	700.00	-112.13	22.84	-0.82	209.33	2.35	-0.15
20	19	758.33	-112.13	22.84	-0.82	208.42	2.38	-0.15
20	19	816.67	-98.01	27.62	-0.56	162.85	1.87	-0.08
20	19	875.00	-83.15	27.66	-0.52	119.91	1.52	-0.07
20	19	933.33	-68.61	27.84	-0.54	77.29	1.22	-0.05
20	19	991.67	-54.27	28.15	-0.72	34.85	0.86	-0.03
20	19	1050.00	-38.14	23.27	-1.16	-7.61	0.33	-0.02
20	22	700.00	22.41	-19.72	0.91	-213.48	-2.34	0.14
20	22	758.33	22.41	-19.72	0.91	-214.39	-2.32	0.14
20	22	816.67	12.33	-19.30	0.55	-181.79	-1.81	0.07
20	22	875.00	2.06	-19.37	0.48	-147.06	-1.49	0.06
20	22	933.33	-8.30	-19.56	0.50	-112.58	-1.21	0.05
20	22	991.67	-18.51	-19.85	0.70	-78.43	-0.87	0.03
20	22	1050.00	-26.89	-20.69	1.19	-46.47	-0.33	0.02
20	24	700.00	-97.80	40.86	-0.77	231.08	1.97	-0.17
20	24	758.33	-97.80	40.86	-0.77	230.17	1.99	-0.16
20	24	816.67	-86.68	46.06	-0.49	180.41	1.70	-0.12
20	24	875.00	-74.59	45.50	-0.46	133.74	1.45	-0.09
20	24	933.33	-62.61	45.06	-0.52	87.68	1.18	-0.07
20	24	991.67	-50.71	44.77	-0.71	41.81	0.84	-0.05
20	24	1050.00	-37.66	38.16	-1.14	-5.81	0.33	-0.04
20	28	700.00	-97.06	42.09	-0.74	232.74	2.05	-0.15
20	28	758.33	-97.06	42.09	-0.74	231.83	2.07	-0.14
20	28	816.67	-86.06	47.25	-0.53	181.75	1.76	-0.10
20	28	875.00	-74.10	46.70	-0.48	134.81	1.48	-0.07
20	28	933.33	-62.25	46.25	-0.55	88.51	1.20	-0.05
20	28	991.67	-50.50	45.96	-0.72	42.38	0.85	-0.03
20	28	1050.00	-37.64	39.28	-1.16	-5.78	0.33	-0.02
20	51	700.00	-100.50	19.08	-0.70	179.85	2.11	-0.13
20	51	758.33	-100.50	19.08	-0.70	178.94	2.13	-0.13
20	51	816.67	-88.77	23.76	-0.48	138.88	1.67	-0.06
20	51	875.00	-76.21	23.81	-0.49	101.36	1.35	-0.05
20	51	933.33	-63.80	24.01	-0.51	64.13	1.08	-0.04
20	51	991.67	-51.45	24.34	-0.65	27.01	0.75	-0.03
20	51	1050.00	-37.18	19.80	-1.01	-10.01	0.29	-0.02
20	54	700.00	10.78	-15.97	0.79	-183.99	-2.10	0.13
20	54	758.33	10.78	-15.97	0.79	-184.90	-2.07	0.13
20	54	816.67	3.09	-15.44	0.47	-157.82	-1.62	0.06
20	54	875.00	-4.88	-15.52	0.44	-128.52	-1.32	0.05
20	54	933.33	-13.11	-15.73	0.46	-99.42	-1.07	0.04
20	54	991.67	-21.33	-16.03	0.63	-70.59	-0.76	0.02
20	54	1050.00	-27.85	-17.22	1.03	-44.07	-0.29	0.02
20	56	700.00	-83.39	36.04	-0.62	194.64	1.64	-0.14
20	56	758.33	-83.39	36.04	-0.62	193.73	1.67	-0.14
20	56	816.67	-75.26	41.15	-0.39	150.67	1.46	-0.10
20	56	875.00	-66.01	40.58	-0.40	110.70	1.26	-0.07
20	56	933.33	-56.64	40.12	-0.47	71.33	1.02	-0.05
20	56	991.67	-47.19	39.82	-0.63	32.14	0.73	-0.04
20	56	1050.00	-36.54	33.65	-0.99	-8.88	0.29	-0.03
20	60	700.00	-82.67	37.16	-0.59	196.12	1.72	-0.12
20	60	758.33	-82.67	37.16	-0.59	195.21	1.75	-0.12
20	60	816.67	-74.65	42.21	-0.44	151.86	1.53	-0.08
20	60	875.00	-65.53	41.65	-0.43	111.64	1.29	-0.05
20	60	933.33	-56.29	41.20	-0.50	72.07	1.04	-0.03
20	60	991.67	-46.98	40.90	-0.64	32.66	0.74	-0.01
20	60	1050.00	-36.51	34.67	-1.01	-8.87	0.29	-3.75e-03
20	83	700.00	-93.01	16.74	-0.60	156.42	1.85	-0.12
20	83	758.33	-93.01	16.74	-0.60	155.51	1.87	-0.12
20	83	816.67	-82.63	21.18	-0.42	119.79	1.47	-0.05

20	83	875.00	-71.47	21.22	-0.43	86.58	1.19	-0.04
20	83	933.33	-60.44	21.40	-0.45	53.61	0.94	-0.03
20	83	991.67	-49.46	21.70	-0.58	20.74	0.65	-0.02
20	83	1050.00	-36.56	17.38	-0.88	-12.16	0.25	-0.02
20	86	700.00	3.29	-13.62	0.69	-160.57	-1.84	0.11
20	86	758.33	3.29	-13.62	0.69	-161.48	-1.81	0.12
20	86	816.67	-3.06	-12.85	0.41	-138.73	-1.42	0.05
20	86	875.00	-9.63	-12.94	0.39	-113.73	-1.16	0.04
20	86	933.33	-16.47	-13.12	0.41	-88.90	-0.94	0.03
20	86	991.67	-23.32	-13.39	0.55	-64.32	-0.66	0.02
20	86	1050.00	-28.48	-14.80	0.90	-41.92	-0.25	0.01
20	88	700.00	-77.76	31.80	-0.54	169.45	1.43	-0.13
20	88	758.33	-77.76	31.80	-0.54	168.54	1.45	-0.12
20	88	816.67	-70.58	36.63	-0.33	130.17	1.28	-0.09
20	88	875.00	-62.36	36.12	-0.36	94.79	1.10	-0.06
20	88	933.33	-54.05	35.71	-0.41	59.96	0.90	-0.05
20	88	991.67	-45.65	35.44	-0.55	25.27	0.63	-0.03
20	88	1050.00	-35.99	29.68	-0.87	-11.18	0.25	-0.02
20	108	700.00	-42.39	33.94	-0.10	89.11	0.48	-1.36e-03
20	108	758.33	-42.39	33.94	-0.10	88.20	0.50	-4.12e-03
20	108	816.67	-41.55	37.75	-0.13	64.39	0.46	4.91e-03
20	108	875.00	-39.86	36.74	-0.11	43.94	0.44	4.95e-03
20	108	933.33	-38.04	35.73	-0.20	24.16	0.35	7.20e-03
20	108	991.67	-36.09	34.75	-0.23	4.52	0.25	0.02
20	108	1050.00	-33.69	28.76	-0.36	-19.52	0.10	0.03
20	115	700.00	-129.23	28.41	-1.03	260.74	2.89	-0.18
20	115	758.33	-129.23	28.41	-1.03	259.83	2.92	-0.18
20	115	816.67	-111.92	33.65	-0.69	204.74	2.29	-0.10
20	115	875.00	-93.81	33.69	-0.63	152.35	1.86	-0.08
20	115	933.33	-76.12	33.90	-0.66	100.36	1.50	-0.06
20	115	991.67	-58.71	34.26	-0.89	48.60	1.06	-0.04
20	115	1050.00	-39.56	28.85	-1.45	-2.99	0.41	-0.03
20	118	700.00	39.51	-25.30	1.12	-264.89	-2.88	0.18
20	118	758.33	39.51	-25.30	1.12	-265.80	-2.86	0.18
20	118	816.67	26.23	-25.33	0.68	-223.68	-2.23	0.09
20	118	875.00	12.72	-25.41	0.59	-179.50	-1.83	0.08
20	118	933.33	-0.79	-25.62	0.61	-135.65	-1.50	0.06
20	118	991.67	-14.07	-25.95	0.86	-92.18	-1.07	0.04
20	118	1050.00	-25.47	-26.26	1.47	-51.09	-0.41	0.03
20	120	700.00	-114.09	50.44	-0.99	291.07	2.48	-0.21
20	120	758.33	-114.09	50.44	-0.99	290.16	2.51	-0.21
20	120	816.67	-99.91	56.20	-0.62	229.32	2.13	-0.15
20	120	875.00	-84.71	55.55	-0.57	171.70	1.80	-0.12
20	120	933.33	-69.73	55.02	-0.64	114.77	1.47	-0.09
20	120	991.67	-54.91	54.69	-0.88	58.08	1.05	-0.06
20	120	1050.00	-39.11	47.17	-1.43	-0.45	0.41	-0.05
20	124	700.00	-113.19	51.92	-0.95	293.06	2.57	-0.18
20	124	758.33	-113.19	51.92	-0.95	292.15	2.60	-0.18
20	124	816.67	-99.16	57.63	-0.68	230.92	2.20	-0.13
20	124	875.00	-84.12	56.98	-0.60	172.97	1.84	-0.10
20	124	933.33	-69.30	56.46	-0.67	115.75	1.49	-0.07
20	124	991.67	-54.66	56.12	-0.89	58.76	1.06	-0.04
20	124	1050.00	-39.08	48.51	-1.45	-0.42	0.42	-0.02
20	145	700.00	-44.05	1.63	0.06	3.39	5.76e-03	-8.38e-04
20	145	758.33	-44.05	1.63	0.06	2.44	0.04	-1.22e-03
20	145	816.67	-42.12	4.95	-2.55e-03	-5.43	0.04	-1.54e-03
20	145	875.00	-39.94	4.93	-0.02	-10.55	0.02	-1.83e-03
20	145	933.33	-38.00	4.93	-0.03	-15.58	7.62e-03	-1.98e-03
20	145	991.67	-36.11	4.94	-0.02	-20.66	-2.68e-03	-1.94e-03
20	145	1050.00	-32.37	1.89	6.35e-03	-27.01	-1.99e-04	-1.53e-03
20	146	700.00	-56.89	2.05	0.05	-4.47	7.53e-03	-8.96e-04
20	146	758.33	-56.89	2.05	0.05	-5.67	0.04	-1.23e-03
20	146	816.67	-55.22	5.51	-9.03e-03	-14.15	0.03	-1.46e-03
20	146	875.00	-53.17	5.49	-0.03	-19.49	0.01	-1.65e-03
20	146	933.33	-51.38	5.49	-0.03	-24.77	-2.16e-03	-1.69e-03
20	146	991.67	-49.62	5.50	-0.01	-30.16	-0.01	-1.53e-03
20	146	1050.00	-45.31	1.56	0.02	-37.12	-2.55e-04	-1.07e-03
20	147	700.00	-71.77	2.29	0.01	-26.01	7.10e-03	-5.29e-04
20	147	758.33	-71.77	2.29	0.01	-27.34	0.01	-5.25e-04
20	147	816.67	-70.12	4.10	-0.02	-32.95	6.12e-04	-3.63e-04
20	147	875.00	-67.93	4.09	-0.03	-35.99	-0.02	-1.61e-04
20	147	933.33	-65.90	4.09	-0.02	-39.13	-0.03	1.22e-04
20	147	991.67	-63.83	4.10	2.09e-03	-42.50	-0.03	5.24e-04
20	147	1050.00	-58.61	-0.25	0.05	-47.32	-2.70e-04	8.48e-04
20	151	700.00	-44.66	1.58	0.05	-0.71	5.10e-03	-7.11e-04

20	151	758.33	-44.66	1.58	0.05	-1.63	0.03	-1.01e-03
20	151	816.67	-42.66	4.36	-4.45e-03	-8.46	0.03	-1.24e-03
20	151	875.00	-40.39	4.34	-0.02	-12.82	0.02	-1.44e-03
20	151	933.33	-38.34	4.34	-0.02	-17.13	2.76e-03	-1.52e-03
20	151	991.67	-36.32	4.35	-0.01	-21.51	-5.22e-03	-1.45e-03
20	151	1050.00	-32.48	1.44	0.01	-27.03	-1.87e-04	-1.09e-03
20	152	700.00	-51.22	1.62	0.02	-13.42	4.27e-03	-4.36e-04
20	152	758.33	-51.22	1.62	0.02	-14.36	0.02	-5.13e-04
20	152	816.67	-49.16	3.20	-0.01	-19.01	9.22e-03	-4.88e-04
20	152	875.00	-46.76	3.19	-0.02	-21.69	-2.73e-03	-4.47e-04
20	152	933.33	-44.49	3.19	-0.02	-24.42	-0.01	-3.39e-04
20	152	991.67	-42.22	3.20	-3.10e-03	-27.29	-0.01	-1.28e-04
20	152	1050.00	-37.91	0.27	0.03	-31.13	-1.82e-04	1.22e-04
20	154	700.00	-50.00	1.73	0.04	-5.22	5.59e-03	-6.91e-04
20	154	758.33	-50.00	1.73	0.04	-6.23	0.03	-9.41e-04
20	154	816.67	-48.08	4.39	-7.68e-03	-12.95	0.03	-1.10e-03
20	154	875.00	-45.84	4.37	-0.02	-17.15	0.01	-1.23e-03
20	154	933.33	-43.81	4.37	-0.02	-21.32	-2.77e-03	-1.26e-03
20	154	991.67	-41.79	4.38	-0.01	-25.59	-9.22e-03	-1.12e-03
20	154	1050.00	-37.69	1.16	0.02	-31.09	-2.06e-04	-7.58e-04
20	155	700.00	-46.08	1.45	0.02	-10.27	3.56e-03	-4.13e-04
20	155	758.33	-46.08	1.45	0.02	-11.12	0.02	-5.10e-04
20	155	816.67	-43.92	2.98	-8.89e-03	-15.52	0.01	-5.19e-04
20	155	875.00	-41.46	2.97	-0.02	-18.11	6.40e-04	-5.18e-04
20	155	933.33	-39.14	2.97	-0.02	-20.74	-8.57e-03	-4.55e-04
20	155	991.67	-36.81	2.98	-4.40e-03	-23.49	-0.01	-2.91e-04
20	155	1050.00	-32.73	0.40	0.02	-27.09	-1.60e-04	-5.91e-05
20	156	700.00	-44.86	1.56	0.04	-2.07	4.88e-03	-6.68e-04
20	156	758.33	-44.86	1.56	0.04	-2.98	0.03	-9.38e-04
20	156	816.67	-42.84	4.16	-5.08e-03	-9.47	0.03	-1.13e-03
20	156	875.00	-40.55	4.14	-0.02	-13.58	0.01	-1.30e-03
20	156	933.33	-38.45	4.14	-0.02	-17.64	1.14e-03	-1.37e-03
20	156	991.67	-36.39	4.15	-0.01	-21.79	-6.06e-03	-1.28e-03
20	156	1050.00	-32.52	1.29	0.01	-27.04	-1.83e-04	-9.40e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-129.23	-26.26	-1.45	-265.80	-2.88	-0.21
	39.51	57.63	1.47	293.06	2.92	0.18

Macro	Tipo	Angolo 1-Z (gradi)
21	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
21	4	700.00	-18.21	-3.05	0.02	2.94	0.0	2.49e-03
21	4	758.33	-18.21	-3.05	0.02	1.17	0.01	1.05e-03
21	4	816.67	-16.26	-2.96	-0.02	0.11	4.91e-03	-3.08e-03
21	4	875.00	-13.35	-2.93	-0.02	-0.45	-6.25e-03	-3.64e-03
21	4	933.33	-10.10	-2.93	-0.02	-0.83	-0.02	-2.02e-03
21	4	991.67	-6.77	-2.95	-0.02	-1.19	-0.03	1.85e-03
21	4	1050.00	-0.61	-3.01	0.04	-0.13	-2.13e-03	6.45e-03
21	7	700.00	-13.56	-2.31	0.02	2.33	0.0	2.79e-03
21	7	758.33	-13.56	-2.31	0.02	0.99	0.01	1.77e-03
21	7	816.67	-12.02	-2.24	-0.01	0.21	6.31e-03	-1.80e-03
21	7	875.00	-9.77	-2.21	-0.01	-0.19	-1.61e-03	-2.47e-03
21	7	933.33	-7.27	-2.21	-0.01	-0.46	-9.13e-03	-1.58e-03
21	7	991.67	-4.70	-2.22	-0.01	-0.70	-0.02	6.29e-04
21	7	1050.00	-0.37	-2.25	0.02	-0.06	-1.23e-03	3.34e-03
21	11	700.00	-17.80	-2.89	0.02	2.68	0.0	1.22e-03
21	11	758.33	-17.80	-2.89	0.02	1.00	0.01	-2.41e-04
21	11	816.67	-16.00	-2.82	-0.02	-0.05	1.36e-03	-3.59e-03
21	11	875.00	-13.26	-2.79	-0.02	-0.61	-9.90e-03	-3.80e-03
21	11	933.33	-10.18	-2.80	-0.02	-1.01	-0.02	-1.86e-03
21	11	991.67	-7.02	-2.82	-0.02	-1.38	-0.03	2.74e-03
21	11	1050.00	-0.72	-2.90	0.05	-0.18	-2.51e-03	8.09e-03
21	16	700.00	16.15	5.97	-9.70e-03	7.63	-0.02	-7.05e-03
21	16	758.33	16.15	5.97	-9.70e-03	6.69	-9.34e-03	-0.01
21	16	816.67	9.15	5.15	-0.09	5.01	-0.05	-0.02
21	16	875.00	5.21	4.57	-0.05	3.63	-0.07	-0.03
21	16	933.33	2.79	4.15	-0.01	2.32	-0.08	-0.04
21	16	991.67	1.14	3.85	0.02	1.03	-0.09	-0.05
21	16	1050.00	1.12	2.68	0.20	0.64	-0.04	-0.04

21	17	700.00	-36.81	-9.21	0.03	-4.40	0.02	9.62e-03
21	17	758.33	-36.81	-9.21	0.03	-5.34	0.02	0.01
21	17	816.67	-27.55	-8.29	0.07	-4.83	0.05	0.02
21	17	875.00	-20.27	-7.68	0.03	-4.05	0.07	0.03
21	17	933.33	-14.13	-7.25	-0.01	-3.16	0.07	0.04
21	17	991.67	-8.66	-6.97	-0.04	-2.25	0.06	0.05
21	17	1050.00	-1.91	-5.86	-0.15	-0.78	0.04	0.05
21	45	700.00	-28.37	-5.58	0.21	1.14	0.06	-0.03
21	45	758.33	-28.37	-5.58	0.21	0.20	0.07	-0.03
21	45	816.67	-22.74	-5.25	0.15	-0.31	0.17	-0.02
21	45	875.00	-17.44	-5.04	0.05	-0.55	0.23	3.19e-03
21	45	933.33	-12.46	-4.88	-0.04	-0.67	0.23	0.03
21	45	991.67	-7.73	-4.76	-0.14	-0.76	0.19	0.05
21	45	1050.00	-1.57	-4.69	-0.32	-0.15	0.08	0.05
21	48	700.00	11.10	5.21	-0.01	8.10	-0.02	-3.41e-03
21	48	758.33	11.10	5.21	-0.01	7.16	-0.01	-6.34e-03
21	48	816.67	5.56	4.60	-0.09	5.35	-0.05	-0.02
21	48	875.00	2.68	4.19	-0.05	3.85	-0.08	-0.03
21	48	933.33	1.10	3.88	-9.02e-03	2.47	-0.09	-0.04
21	48	991.67	0.16	3.66	0.03	1.11	-0.09	-0.04
21	48	1050.00	0.69	2.51	0.20	0.63	-0.04	-0.04
21	49	700.00	-31.76	-8.45	0.04	-4.87	0.02	5.98e-03
21	49	758.33	-31.76	-8.45	0.04	-5.81	0.03	7.42e-03
21	49	816.67	-23.97	-7.74	0.07	-5.17	0.06	0.02
21	49	875.00	-17.74	-7.29	0.03	-4.28	0.07	0.02
21	49	933.33	-12.43	-6.98	-0.01	-3.31	0.07	0.04
21	49	991.67	-7.67	-6.78	-0.05	-2.33	0.07	0.04
21	49	1050.00	-1.49	-5.69	-0.16	-0.77	0.04	0.05
21	77	700.00	-27.52	-5.50	0.22	1.12	0.07	-0.03
21	77	758.33	-27.52	-5.50	0.22	0.18	0.08	-0.03
21	77	816.67	-22.24	-5.25	0.15	-0.32	0.18	-0.02
21	77	875.00	-17.14	-5.08	0.05	-0.54	0.24	9.97e-04
21	77	933.33	-12.28	-4.95	-0.04	-0.66	0.24	0.03
21	77	991.67	-7.64	-4.86	-0.14	-0.75	0.19	0.05
21	77	1050.00	-1.49	-4.80	-0.33	-0.13	0.09	0.06
21	80	700.00	8.14	4.37	-7.74e-03	7.44	-0.02	-2.48e-03
21	80	758.33	8.14	4.37	-7.74e-03	6.50	-8.96e-03	-5.16e-03
21	80	816.67	3.52	3.86	-0.08	4.81	-0.04	-0.02
21	80	875.00	1.25	3.51	-0.04	3.43	-0.07	-0.03
21	80	933.33	0.15	3.25	-9.00e-03	2.17	-0.08	-0.03
21	80	991.67	-0.38	3.06	0.03	0.93	-0.09	-0.04
21	80	1050.00	0.52	2.04	0.18	0.55	-0.03	-0.03
21	81	700.00	-28.80	-7.61	0.03	-4.21	0.02	5.05e-03
21	81	758.33	-28.80	-7.61	0.03	-5.15	0.02	6.24e-03
21	81	816.67	-21.92	-7.00	0.06	-4.63	0.05	0.01
21	81	875.00	-16.32	-6.61	0.02	-3.86	0.06	0.02
21	81	933.33	-11.49	-6.35	-0.01	-3.01	0.06	0.03
21	81	991.67	-7.13	-6.18	-0.04	-2.15	0.06	0.04
21	81	1050.00	-1.32	-5.22	-0.14	-0.69	0.03	0.04
21	109	700.00	-25.51	-5.05	0.20	1.17	0.06	-0.03
21	109	758.33	-25.51	-5.05	0.20	0.23	0.07	-0.03
21	109	816.67	-20.72	-4.83	0.14	-0.27	0.16	-0.02
21	109	875.00	-16.03	-4.68	0.05	-0.50	0.21	4.63e-04
21	109	933.33	-11.52	-4.57	-0.04	-0.63	0.21	0.02
21	109	991.67	-7.19	-4.50	-0.13	-0.74	0.17	0.04
21	109	1050.00	-1.36	-4.45	-0.29	-0.12	0.08	0.05
21	112	700.00	23.06	7.70	-0.01	8.58	-0.02	-0.01
21	112	758.33	23.06	7.70	-0.01	7.64	-0.01	-0.01
21	112	816.67	13.98	6.63	-0.10	5.81	-0.06	-0.03
21	112	875.00	8.58	5.88	-0.05	4.26	-0.09	-0.04
21	112	933.33	5.04	5.34	-0.01	2.78	-0.10	-0.05
21	112	991.67	2.45	4.95	0.03	1.31	-0.11	-0.06
21	112	1050.00	1.56	3.56	0.23	0.78	-0.04	-0.05
21	113	700.00	-43.73	-10.93	0.04	-5.35	0.02	0.01
21	113	758.33	-43.73	-10.93	0.04	-6.29	0.03	0.01
21	113	816.67	-32.38	-9.77	0.09	-5.63	0.06	0.03
21	113	875.00	-23.64	-8.98	0.03	-4.69	0.08	0.04
21	113	933.33	-16.38	-8.44	-9.32e-03	-3.63	0.08	0.05
21	113	991.67	-9.96	-8.06	-0.04	-2.53	0.08	0.06
21	113	1050.00	-2.35	-6.74	-0.18	-0.91	0.04	0.06
21	141	700.00	-32.06	-6.34	0.25	1.07	0.08	-0.04
21	141	758.33	-32.06	-6.34	0.25	0.13	0.08	-0.03
21	141	816.67	-25.44	-5.93	0.18	-0.39	0.20	-0.02
21	141	875.00	-19.40	-5.66	0.06	-0.61	0.27	5.10e-03
21	141	933.33	-13.79	-5.46	-0.04	-0.72	0.27	0.03

21	141	991.67	-8.51	-5.31	-0.16	-0.79	0.22	0.06
21	141	1050.00	-1.82	-5.22	-0.38	-0.17	0.10	0.06
21	145	700.00	-11.96	-1.96	0.02	1.97	0.0	1.98e-03
21	145	758.33	-11.96	-1.96	0.02	0.82	9.85e-03	1.09e-03
21	145	816.67	-10.63	-1.90	-9.61e-03	0.14	4.24e-03	-1.73e-03
21	145	875.00	-8.67	-1.88	-0.01	-0.21	-2.63e-03	-2.19e-03
21	145	933.33	-6.49	-1.88	-0.01	-0.45	-9.52e-03	-1.31e-03
21	145	991.67	-4.25	-1.89	-9.26e-03	-0.67	-0.01	8.46e-04
21	145	1050.00	-0.39	-1.92	0.02	-0.06	-1.19e-03	3.44e-03
21	146	700.00	-12.90	-2.12	0.02	2.06	0.0	1.65e-03
21	146	758.33	-12.90	-2.12	0.02	0.82	9.55e-03	6.48e-04
21	146	816.67	-11.52	-2.06	-0.01	0.08	3.18e-03	-2.18e-03
21	146	875.00	-9.46	-2.04	-0.01	-0.32	-4.59e-03	-2.54e-03
21	146	933.33	-7.16	-2.04	-0.01	-0.59	-0.01	-1.39e-03
21	146	991.67	-4.80	-2.05	-0.01	-0.84	-0.02	1.35e-03
21	146	1050.00	-0.46	-2.10	0.03	-0.09	-1.51e-03	4.59e-03
21	149	700.00	-12.64	-2.02	0.01	1.88	0.0	8.01e-04
21	149	758.33	-12.64	-2.02	0.01	0.71	7.29e-03	-2.13e-04
21	149	816.67	-11.35	-1.97	-0.01	-0.03	8.12e-04	-2.52e-03
21	149	875.00	-9.40	-1.95	-0.01	-0.43	-7.02e-03	-2.65e-03
21	149	933.33	-7.21	-1.95	-0.02	-0.70	-0.02	-1.28e-03
21	149	991.67	-4.97	-1.97	-0.01	-0.96	-0.02	1.94e-03
21	149	1050.00	-0.53	-2.02	0.04	-0.12	-1.76e-03	5.68e-03
21	151	700.00	-10.74	-1.70	0.01	1.70	0.0	1.46e-03
21	151	758.33	-10.74	-1.70	0.01	0.71	7.89e-03	6.75e-04
21	151	816.67	-9.56	-1.65	-8.50e-03	0.10	2.93e-03	-1.63e-03
21	151	875.00	-7.82	-1.63	-0.01	-0.21	-3.11e-03	-1.96e-03
21	151	933.33	-5.88	-1.63	-0.01	-0.43	-9.40e-03	-1.11e-03
21	151	991.67	-3.88	-1.64	-8.36e-03	-0.62	-0.01	9.39e-04
21	151	1050.00	-0.39	-1.67	0.02	-0.07	-1.13e-03	3.37e-03
21	154	700.00	-10.71	-1.68	0.01	1.65	0.0	1.15e-03
21	154	758.33	-10.71	-1.68	0.01	0.67	7.12e-03	3.59e-04
21	154	816.67	-9.56	-1.63	-8.65e-03	0.06	2.07e-03	-1.77e-03
21	154	875.00	-7.85	-1.61	-0.01	-0.26	-4.06e-03	-2.02e-03
21	154	933.33	-5.94	-1.61	-0.01	-0.48	-0.01	-1.07e-03
21	154	991.67	-3.97	-1.62	-8.71e-03	-0.68	-0.02	1.17e-03
21	154	1050.00	-0.42	-1.66	0.02	-0.08	-1.23e-03	3.81e-03
21	156	700.00	-10.33	-1.62	0.01	1.61	0.0	1.28e-03
21	156	758.33	-10.33	-1.62	0.01	0.67	7.24e-03	5.36e-04
21	156	816.67	-9.20	-1.57	-8.13e-03	0.09	2.50e-03	-1.60e-03
21	156	875.00	-7.53	-1.55	-9.89e-03	-0.21	-3.27e-03	-1.88e-03
21	156	933.33	-5.67	-1.55	-0.01	-0.42	-9.36e-03	-1.04e-03
21	156	991.67	-3.76	-1.56	-8.06e-03	-0.61	-0.01	9.69e-04
21	156	1050.00	-0.40	-1.59	0.02	-0.07	-1.10e-03	3.35e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-43.73	-10.93	-0.38	-6.29	-0.11	-0.06
			23.06	7.70	0.25	8.58	0.27	0.06

Macro	Tipo	Angolo 1-Z (gradi)
22	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
22	3	700.00	0.97	0.64	0.11	0.75	-0.11	-8.27e-03
22	3	758.33	0.97	0.64	0.11	1.12	-0.05	0.01
22	3	816.67	0.55	0.64	0.04	0.80	-0.03	2.24e-03
22	3	875.00	0.23	0.64	6.37e-03	0.55	-0.02	-1.83e-03
22	3	933.33	-0.04	0.64	4.49e-03	0.33	-0.02	-2.82e-03
22	3	991.67	-0.33	0.64	0.02	0.09	-0.01	-2.10e-03
22	3	1050.00	-0.48	0.63	0.02	-0.07	0.0	-1.56e-03
22	7	700.00	1.37	0.56	0.09	0.72	-0.10	-6.75e-03
22	7	758.33	1.37	0.56	0.09	1.04	-0.04	8.91e-03
22	7	816.67	0.91	0.56	0.03	0.76	-0.02	2.04e-03
22	7	875.00	0.56	0.56	6.00e-03	0.53	-0.02	-1.48e-03
22	7	933.33	0.25	0.56	4.43e-03	0.34	-0.02	-2.48e-03
22	7	991.67	-0.06	0.56	0.01	0.14	-8.52e-03	-2.12e-03
22	7	1050.00	-0.27	0.55	0.01	3.88e-03	0.0	-1.81e-03
22	9	700.00	-3.45	0.19	0.06	-0.30	-0.07	-6.13e-03
22	9	758.33	-3.45	0.19	0.06	-0.19	-0.03	4.09e-03
22	9	816.67	-2.96	0.19	0.01	-0.22	-0.02	-1.09e-04
22	9	875.00	-2.52	0.18	-2.07e-03	-0.29	-0.03	-1.56e-03

22	9	933.33	-2.12	0.18	-3.18e-03	-0.38	-0.03	-7.38e-04
22	9	991.67	-1.83	0.18	0.01	-0.54	-0.02	1.75e-03
22	9	1050.00	-1.28	0.16	0.03	-0.55	0.0	3.27e-03
22	19	700.00	41.30	16.07	0.24	-22.28	0.08	-0.05
22	19	758.33	41.30	16.07	0.24	-22.08	0.12	-0.01
22	19	816.67	33.73	15.67	0.05	-17.72	0.19	0.02
22	19	875.00	26.11	15.30	-0.03	-13.54	0.19	0.03
22	19	933.33	18.49	14.92	-0.06	-9.54	0.17	0.05
22	19	991.67	10.84	14.56	-0.09	-5.73	0.13	0.06
22	19	1050.00	3.41	14.27	-0.21	-1.96	0.06	0.06
22	22	700.00	-42.48	-15.38	-0.12	22.89	-0.21	0.04
22	22	758.33	-42.48	-15.38	-0.12	23.08	-0.18	0.02
22	22	816.67	-34.94	-14.99	-0.01	18.44	-0.22	-0.02
22	22	875.00	-27.28	-14.62	0.03	14.01	-0.22	-0.03
22	22	933.33	-19.60	-14.24	0.07	9.76	-0.20	-0.05
22	22	991.67	-11.94	-13.88	0.11	5.68	-0.15	-0.06
22	22	1050.00	-4.30	-13.59	0.24	1.76	-0.06	-0.06
22	34	700.00	-20.90	-6.62	-0.42	9.50	-0.18	0.06
22	34	758.33	-20.90	-6.62	-0.42	9.70	-0.14	0.04
22	34	816.67	-17.21	-6.43	-0.14	7.77	-0.33	-0.02
22	34	875.00	-13.51	-6.30	-0.04	5.91	-0.39	-0.03
22	34	933.33	-9.80	-6.18	0.07	4.12	-0.38	-0.06
22	34	991.67	-6.09	-6.07	0.21	2.37	-0.29	-0.08
22	34	1050.00	-2.32	-6.00	0.41	0.68	-0.11	-0.08
22	51	700.00	36.09	13.95	0.26	-19.28	0.06	-0.05
22	51	758.33	36.09	13.95	0.26	-19.08	0.10	-0.01
22	51	816.67	29.52	13.61	0.06	-15.32	0.18	0.02
22	51	875.00	22.86	13.29	-0.02	-11.71	0.19	0.04
22	51	933.33	16.19	12.97	-0.06	-8.25	0.18	0.05
22	51	991.67	9.48	12.66	-0.09	-4.97	0.14	0.06
22	51	1050.00	2.96	12.41	-0.22	-1.71	0.06	0.06
22	54	700.00	-37.27	-13.26	-0.14	19.88	-0.19	0.04
22	54	758.33	-37.27	-13.26	-0.14	20.08	-0.15	0.03
22	54	816.67	-30.72	-12.92	-0.02	16.03	-0.21	-0.02
22	54	875.00	-24.03	-12.61	0.03	12.17	-0.22	-0.04
22	54	933.33	-17.30	-12.29	0.06	8.48	-0.20	-0.05
22	54	991.67	-10.58	-11.98	0.11	4.92	-0.16	-0.06
22	54	1050.00	-3.85	-11.74	0.25	1.51	-0.06	-0.06
22	70	700.00	-18.43	-5.58	-0.45	8.07	-0.12	0.06
22	70	758.33	-18.43	-5.58	-0.45	8.26	-0.08	0.05
22	70	816.67	-15.22	-5.42	-0.16	6.63	-0.34	-0.02
22	70	875.00	-11.99	-5.31	-0.04	5.05	-0.40	-0.03
22	70	933.33	-8.73	-5.23	0.07	3.52	-0.40	-0.06
22	70	991.67	-5.46	-5.15	0.22	2.01	-0.31	-0.08
22	70	1050.00	-2.12	-5.11	0.44	0.56	-0.12	-0.09
22	83	700.00	31.43	12.20	0.24	-16.77	0.04	-0.05
22	83	758.33	31.43	12.20	0.24	-16.57	0.08	-0.01
22	83	816.67	25.70	11.90	0.06	-13.31	0.16	0.02
22	83	875.00	19.89	11.63	-0.02	-10.18	0.17	0.03
22	83	933.33	14.07	11.35	-0.05	-7.18	0.16	0.04
22	83	991.67	8.21	11.08	-0.08	-4.33	0.13	0.05
22	83	1050.00	2.53	10.86	-0.20	-1.50	0.05	0.05
22	86	700.00	-32.61	-11.51	-0.12	17.37	-0.17	0.04
22	86	758.33	-32.61	-11.51	-0.12	17.57	-0.14	0.02
22	86	816.67	-26.91	-11.22	-0.02	14.02	-0.19	-0.02
22	86	875.00	-21.06	-10.94	0.02	10.64	-0.20	-0.03
22	86	933.33	-15.19	-10.66	0.05	7.41	-0.18	-0.05
22	86	991.67	-9.31	-10.40	0.10	4.29	-0.14	-0.05
22	86	1050.00	-3.42	-10.19	0.23	1.30	-0.05	-0.05
22	102	700.00	-16.32	-4.86	-0.39	7.11	-0.11	0.05
22	102	758.33	-16.32	-4.86	-0.39	7.31	-0.08	0.04
22	102	816.67	-13.49	-4.72	-0.14	5.85	-0.31	-0.02
22	102	875.00	-10.63	-4.63	-0.04	4.45	-0.36	-0.03
22	102	933.33	-7.76	-4.55	0.06	3.10	-0.36	-0.05
22	102	991.67	-4.88	-4.49	0.20	1.76	-0.28	-0.07
22	102	1050.00	-1.92	-4.45	0.39	0.48	-0.11	-0.08
22	115	700.00	51.16	19.83	0.26	-27.69	0.12	-0.06
22	115	758.33	51.16	19.83	0.26	-27.49	0.15	-0.02
22	115	816.67	41.79	19.34	0.05	-22.05	0.23	0.02
22	115	875.00	32.36	18.88	-0.04	-16.84	0.23	0.04
22	115	933.33	22.94	18.41	-0.07	-11.84	0.20	0.05
22	115	991.67	13.50	17.95	-0.11	-7.09	0.16	0.06
22	115	1050.00	4.30	17.59	-0.25	-2.41	0.07	0.07
22	118	700.00	-52.34	-19.15	-0.14	28.29	-0.25	0.05
22	118	758.33	-52.34	-19.15	-0.14	28.49	-0.21	0.03

22	118	816.67	-42.99	-18.66	-0.02	22.76	-0.26	-0.02
22	118	875.00	-33.53	-18.20	0.04	17.30	-0.26	-0.04
22	118	933.33	-24.05	-17.72	0.08	12.07	-0.23	-0.06
22	118	991.67	-14.59	-17.27	0.13	7.05	-0.17	-0.07
22	118	1050.00	-5.20	-16.92	0.28	2.21	-0.07	-0.07
22	130	700.00	-24.98	-8.06	-0.50	11.45	-0.20	0.07
22	130	758.33	-24.98	-8.06	-0.50	11.65	-0.16	0.05
22	130	816.67	-20.55	-7.84	-0.16	9.34	-0.38	-0.02
22	130	875.00	-16.11	-7.67	-0.04	7.12	-0.45	-0.03
22	130	933.33	-11.65	-7.53	0.09	4.97	-0.44	-0.06
22	130	991.67	-7.20	-7.40	0.25	2.87	-0.34	-0.09
22	130	1050.00	-2.70	-7.31	0.48	0.85	-0.13	-0.09
22	145	700.00	0.32	0.44	0.08	0.49	-0.08	-5.84e-03
22	145	758.33	0.32	0.44	0.08	0.75	-0.03	7.15e-03
22	145	816.67	0.10	0.44	0.02	0.54	-0.02	1.53e-03
22	145	875.00	-0.06	0.44	4.38e-03	0.37	-0.02	-1.27e-03
22	145	933.33	-0.19	0.44	3.05e-03	0.21	-0.02	-1.93e-03
22	145	991.67	-0.33	0.44	0.01	0.05	-8.61e-03	-1.37e-03
22	145	1050.00	-0.38	0.44	0.01	-0.06	0.0	-9.70e-04
22	147	700.00	-2.63	0.14	0.04	-0.21	-0.05	-4.41e-03
22	147	758.33	-2.63	0.14	0.04	-0.12	-0.02	2.98e-03
22	147	816.67	-2.24	0.14	0.01	-0.15	-0.02	-3.74e-05
22	147	875.00	-1.89	0.14	-1.25e-03	-0.19	-0.02	-1.10e-03
22	147	933.33	-1.58	0.14	-2.06e-03	-0.26	-0.02	-5.35e-04
22	147	991.67	-1.33	0.13	0.01	-0.37	-0.01	1.20e-03
22	147	1050.00	-0.92	0.13	0.02	-0.38	0.0	2.25e-03
22	151	700.00	-0.36	0.37	0.07	0.35	-0.07	-5.15e-03
22	151	758.33	-0.36	0.37	0.07	0.56	-0.03	5.95e-03
22	151	816.67	-0.43	0.37	0.02	0.40	-0.02	1.20e-03
22	151	875.00	-0.45	0.37	3.39e-03	0.27	-0.02	-1.11e-03
22	151	933.33	-0.46	0.37	2.24e-03	0.14	-0.01	-1.55e-03
22	151	991.67	-0.49	0.37	0.01	-3.62e-03	-8.35e-03	-9.12e-04
22	151	1050.00	-0.43	0.36	0.01	-0.09	0.0	-4.79e-04
22	152	700.00	-2.09	0.18	0.04	-0.03	-0.04	-3.73e-03
22	152	758.33	-2.09	0.18	0.04	0.08	-0.02	3.11e-03
22	152	816.67	-1.78	0.18	0.01	0.04	-0.01	3.39e-04
22	152	875.00	-1.48	0.18	6.21e-04	-0.02	-0.01	-8.04e-04
22	152	933.33	-1.20	0.18	-1.37e-04	-0.08	-0.01	-6.51e-04
22	152	991.67	-0.96	0.18	8.31e-03	-0.17	-8.85e-03	3.67e-04
22	152	1050.00	-0.62	0.17	0.02	-0.21	0.0	9.84e-04
22	155	700.00	-1.96	0.19	0.04	0.02	-0.04	-3.56e-03
22	155	758.33	-1.96	0.19	0.04	0.13	-0.02	3.14e-03
22	155	816.67	-1.66	0.19	0.01	0.08	-0.01	4.33e-04
22	155	875.00	-1.38	0.19	1.09e-03	0.03	-0.01	-7.31e-04
22	155	933.33	-1.11	0.19	3.44e-04	-0.04	-0.01	-6.80e-04
22	155	991.67	-0.87	0.19	7.80e-03	-0.13	-7.74e-03	1.60e-04
22	155	1050.00	-0.55	0.18	0.01	-0.16	0.0	6.67e-04
22	156	700.00	-0.59	0.34	0.06	0.30	-0.06	-4.93e-03
22	156	758.33	-0.59	0.34	0.06	0.50	-0.03	5.55e-03
22	156	816.67	-0.60	0.34	0.02	0.36	-0.02	1.09e-03
22	156	875.00	-0.59	0.34	3.06e-03	0.23	-0.02	-1.06e-03
22	156	933.33	-0.56	0.34	1.97e-03	0.11	-0.01	-1.43e-03
22	156	991.67	-0.55	0.34	0.01	-0.02	-8.26e-03	-7.59e-04
22	156	1050.00	-0.45	0.34	0.01	-0.10	0.0	-3.15e-04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-52.34	-19.15	-0.50	-27.69	-0.45	-0.09
	51.16	19.83	0.48	28.49	0.23	0.07

Macro	Tipo	Angolo 1-Z (gradi)
23	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
23	3	700.00	0.97	-0.64	0.11	-0.75	-0.11	8.23e-03
23	3	758.33	0.97	-0.64	0.11	-1.12	-0.05	-0.01
23	3	816.67	0.56	-0.64	0.04	-0.81	-0.03	-2.27e-03
23	3	875.00	0.24	-0.64	6.26e-03	-0.55	-0.02	1.78e-03
23	3	933.33	-0.03	-0.64	4.42e-03	-0.33	-0.02	2.76e-03
23	3	991.67	-0.32	-0.64	0.02	-0.09	-0.01	2.04e-03
23	3	1050.00	-0.47	-0.63	0.02	0.06	0.0	1.45e-03
23	7	700.00	1.37	-0.56	0.09	-0.72	-0.10	6.72e-03

23	7	758.33	1.37	-0.56	0.09	-1.04	-0.04	-8.89e-03
23	7	816.67	0.92	-0.56	0.03	-0.76	-0.02	-2.07e-03
23	7	875.00	0.56	-0.56	5.90e-03	-0.54	-0.02	1.44e-03
23	7	933.33	0.25	-0.56	4.38e-03	-0.34	-0.02	2.43e-03
23	7	991.67	-0.05	-0.56	0.01	-0.15	-8.44e-03	2.07e-03
23	7	1050.00	-0.27	-0.55	0.01	-6.23e-03	0.0	1.72e-03
23	9	700.00	-3.45	-0.19	0.06	0.30	-0.06	6.11e-03
23	9	758.33	-3.45	-0.19	0.06	0.19	-0.03	-4.06e-03
23	9	816.67	-2.95	-0.19	0.01	0.22	-0.02	9.90e-05
23	9	875.00	-2.51	-0.18	-2.17e-03	0.28	-0.03	1.54e-03
23	9	933.33	-2.12	-0.18	-3.30e-03	0.38	-0.03	6.94e-04
23	9	991.67	-1.82	-0.18	0.01	0.53	-0.02	-1.81e-03
23	9	1050.00	-1.28	-0.16	0.03	0.55	0.0	-3.38e-03
23	16	700.00	-42.48	15.38	-0.11	-22.88	-0.21	-0.04
23	16	758.33	-42.48	15.38	-0.11	-23.08	-0.18	-0.02
23	16	816.67	-34.93	14.99	-0.01	-18.43	-0.22	0.02
23	16	875.00	-27.27	14.61	0.03	-14.00	-0.22	0.03
23	16	933.33	-19.60	14.23	0.06	-9.75	-0.20	0.05
23	16	991.67	-11.93	13.87	0.11	-5.68	-0.15	0.06
23	16	1050.00	-4.30	13.59	0.24	-1.76	-0.06	0.06
23	17	700.00	41.30	-16.07	0.24	22.27	0.08	0.05
23	17	758.33	41.30	-16.07	0.24	22.08	0.12	0.01
23	17	816.67	33.73	-15.67	0.05	17.71	0.19	-0.02
23	17	875.00	26.11	-15.30	-0.03	13.54	0.19	-0.03
23	17	933.33	18.49	-14.92	-0.06	9.53	0.17	-0.05
23	17	991.67	10.84	-14.55	-0.09	5.72	0.13	-0.06
23	17	1050.00	3.41	-14.26	-0.21	1.96	0.06	-0.06
23	40	700.00	-20.89	6.61	-0.42	-9.49	-0.18	-0.06
23	40	758.33	-20.89	6.61	-0.42	-9.69	-0.14	-0.04
23	40	816.67	-17.20	6.43	-0.14	-7.76	-0.33	0.02
23	40	875.00	-13.50	6.29	-0.04	-5.91	-0.39	0.03
23	40	933.33	-9.79	6.17	0.07	-4.11	-0.38	0.06
23	40	991.67	-6.08	6.07	0.21	-2.36	-0.29	0.08
23	40	1050.00	-2.32	5.99	0.41	-0.68	-0.11	0.08
23	48	700.00	-37.27	13.26	-0.13	-19.88	-0.19	-0.04
23	48	758.33	-37.27	13.26	-0.13	-20.07	-0.15	-0.03
23	48	816.67	-30.72	12.92	-0.02	-16.02	-0.22	0.02
23	48	875.00	-24.03	12.60	0.03	-12.17	-0.22	0.04
23	48	933.33	-17.30	12.28	0.06	-8.47	-0.21	0.05
23	48	991.67	-10.57	11.98	0.11	-4.92	-0.16	0.06
23	48	1050.00	-3.85	11.73	0.25	-1.51	-0.06	0.06
23	49	700.00	36.09	-13.95	0.26	19.27	0.06	0.05
23	49	758.33	36.09	-13.95	0.26	19.07	0.10	0.01
23	49	816.67	29.52	-13.60	0.06	15.31	0.18	-0.02
23	49	875.00	22.87	-13.29	-0.02	11.71	0.19	-0.04
23	49	933.33	16.20	-12.97	-0.06	8.25	0.18	-0.05
23	49	991.67	9.48	-12.66	-0.09	4.96	0.14	-0.06
23	49	1050.00	2.96	-12.41	-0.22	1.71	0.06	-0.06
23	76	700.00	-18.42	5.57	-0.45	-8.06	-0.12	-0.06
23	76	758.33	-18.42	5.57	-0.45	-8.26	-0.08	-0.05
23	76	816.67	-15.22	5.42	-0.16	-6.62	-0.34	0.02
23	76	875.00	-11.98	5.31	-0.04	-5.04	-0.40	0.03
23	76	933.33	-8.72	5.22	0.07	-3.51	-0.40	0.06
23	76	991.67	-5.46	5.15	0.22	-2.01	-0.31	0.08
23	76	1050.00	-2.12	5.10	0.44	-0.56	-0.12	0.09
23	80	700.00	-32.61	11.51	-0.12	-17.37	-0.17	-0.04
23	80	758.33	-32.61	11.51	-0.12	-17.57	-0.14	-0.02
23	80	816.67	-26.90	11.21	-0.02	-14.02	-0.19	0.02
23	80	875.00	-21.06	10.94	0.02	-10.64	-0.20	0.03
23	80	933.33	-15.18	10.66	0.05	-7.40	-0.18	0.05
23	80	991.67	-9.31	10.40	0.10	-4.29	-0.14	0.05
23	80	1050.00	-3.42	10.19	0.23	-1.30	-0.05	0.05
23	81	700.00	31.43	-12.20	0.24	16.76	0.05	0.05
23	81	758.33	31.43	-12.20	0.24	16.56	0.08	0.01
23	81	816.67	25.70	-11.90	0.06	13.30	0.16	-0.02
23	81	875.00	19.90	-11.63	-0.02	10.18	0.17	-0.03
23	81	933.33	14.08	-11.35	-0.05	7.17	0.16	-0.04
23	81	991.67	8.22	-11.08	-0.08	4.33	0.13	-0.05
23	81	1050.00	2.53	-10.86	-0.20	1.50	0.05	-0.05
23	108	700.00	-16.31	4.85	-0.39	-7.10	-0.11	-0.05
23	108	758.33	-16.31	4.85	-0.39	-7.30	-0.08	-0.04
23	108	816.67	-13.48	4.72	-0.14	-5.85	-0.31	0.02
23	108	875.00	-10.63	4.62	-0.04	-4.45	-0.36	0.03
23	108	933.33	-7.75	4.55	0.06	-3.09	-0.36	0.05
23	108	991.67	-4.88	4.48	0.20	-1.76	-0.28	0.07

23	108	1050.00	-1.92	4.44	0.39	-0.48	-0.11	0.08
23	112	700.00	-52.33	19.15	-0.14	-28.28	-0.25	-0.05
23	112	758.33	-52.33	19.15	-0.14	-28.48	-0.21	-0.03
23	112	816.67	-42.99	18.65	-0.02	-22.75	-0.26	0.02
23	112	875.00	-33.52	18.19	0.04	-17.30	-0.26	0.04
23	112	933.33	-24.05	17.72	0.08	-12.06	-0.23	0.06
23	112	991.67	-14.59	17.27	0.13	-7.04	-0.17	0.07
23	112	1050.00	-5.19	16.91	0.28	-2.20	-0.07	0.07
23	113	700.00	51.16	-19.83	0.26	27.68	0.12	0.06
23	113	758.33	51.16	-19.83	0.26	27.48	0.16	0.02
23	113	816.67	41.79	-19.34	0.05	22.04	0.23	-0.02
23	113	875.00	32.36	-18.88	-0.04	16.83	0.23	-0.04
23	113	933.33	22.94	-18.40	-0.07	11.83	0.20	-0.05
23	113	991.67	13.50	-17.95	-0.11	7.08	0.16	-0.07
23	113	1050.00	4.30	-17.58	-0.25	2.40	0.07	-0.07
23	136	700.00	-24.97	8.05	-0.50	-11.44	-0.20	-0.07
23	136	758.33	-24.97	8.05	-0.50	-11.64	-0.16	-0.05
23	136	816.67	-20.54	7.83	-0.17	-9.33	-0.38	0.02
23	136	875.00	-16.10	7.67	-0.04	-7.11	-0.45	0.03
23	136	933.33	-11.65	7.52	0.09	-4.96	-0.44	0.07
23	136	991.67	-7.19	7.40	0.25	-2.87	-0.34	0.09
23	136	1050.00	-2.70	7.31	0.48	-0.84	-0.13	0.09
23	145	700.00	0.32	-0.44	0.08	-0.49	-0.08	5.81e-03
23	145	758.33	0.32	-0.44	0.08	-0.75	-0.03	-7.14e-03
23	145	816.67	0.10	-0.44	0.02	-0.54	-0.02	-1.55e-03
23	145	875.00	-0.05	-0.44	4.30e-03	-0.37	-0.02	1.24e-03
23	145	933.33	-0.18	-0.44	3.00e-03	-0.22	-0.02	1.88e-03
23	145	991.67	-0.33	-0.44	0.01	-0.05	-8.56e-03	1.32e-03
23	145	1050.00	-0.37	-0.44	0.01	0.06	0.0	8.90e-04
23	147	700.00	-2.62	-0.14	0.04	0.21	-0.05	4.40e-03
23	147	758.33	-2.62	-0.14	0.04	0.12	-0.02	-2.96e-03
23	147	816.67	-2.24	-0.14	0.01	0.14	-0.02	3.03e-05
23	147	875.00	-1.89	-0.14	-1.32e-03	0.19	-0.02	1.07e-03
23	147	933.33	-1.57	-0.14	-2.14e-03	0.26	-0.02	5.04e-04
23	147	991.67	-1.33	-0.13	0.01	0.37	-0.01	-1.24e-03
23	147	1050.00	-0.91	-0.13	0.02	0.38	0.0	-2.33e-03
23	151	700.00	-0.36	-0.37	0.07	-0.35	-0.07	5.13e-03
23	151	758.33	-0.36	-0.37	0.07	-0.56	-0.03	-5.93e-03
23	151	816.67	-0.42	-0.37	0.02	-0.40	-0.02	-1.22e-03
23	151	875.00	-0.45	-0.37	3.32e-03	-0.27	-0.02	1.08e-03
23	151	933.33	-0.46	-0.37	2.19e-03	-0.14	-0.01	1.51e-03
23	151	991.67	-0.49	-0.37	0.01	1.05e-03	-8.31e-03	8.69e-04
23	151	1050.00	-0.43	-0.36	0.01	0.09	0.0	4.07e-04
23	152	700.00	-2.09	-0.18	0.04	0.03	-0.04	3.72e-03
23	152	758.33	-2.09	-0.18	0.04	-0.08	-0.02	-3.09e-03
23	152	816.67	-1.77	-0.18	0.01	-0.04	-0.01	-3.47e-04
23	152	875.00	-1.48	-0.18	5.65e-04	0.02	-0.01	7.85e-04
23	152	933.33	-1.20	-0.18	-1.89e-04	0.08	-0.01	6.25e-04
23	152	991.67	-0.96	-0.18	8.27e-03	0.17	-8.87e-03	-4.00e-04
23	152	1050.00	-0.62	-0.17	0.02	0.20	0.0	-1.04e-03
23	155	700.00	-1.96	-0.19	0.04	-0.02	-0.04	3.55e-03
23	155	758.33	-1.96	-0.19	0.04	-0.13	-0.02	-3.13e-03
23	155	816.67	-1.66	-0.19	0.01	-0.08	-0.01	-4.41e-04
23	155	875.00	-1.37	-0.19	1.04e-03	-0.03	-0.01	7.12e-04
23	155	933.33	-1.10	-0.19	2.99e-04	0.04	-0.01	6.55e-04
23	155	991.67	-0.87	-0.19	7.78e-03	0.12	-7.74e-03	-1.90e-04
23	155	1050.00	-0.55	-0.18	0.01	0.16	0.0	-7.21e-04
23	156	700.00	-0.59	-0.34	0.06	-0.30	-0.06	4.90e-03
23	156	758.33	-0.59	-0.34	0.06	-0.50	-0.03	-5.53e-03
23	156	816.67	-0.60	-0.34	0.02	-0.36	-0.02	-1.10e-03
23	156	875.00	-0.58	-0.34	2.99e-03	-0.23	-0.02	1.03e-03
23	156	933.33	-0.55	-0.34	1.92e-03	-0.11	-0.01	1.39e-03
23	156	991.67	-0.54	-0.34	0.01	0.02	-8.23e-03	7.18e-04
23	156	1050.00	-0.44	-0.34	0.01	0.10	0.0	2.46e-04
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-52.33	-19.83	-0.50	-28.48	-0.45	-0.07
			51.16	19.15	0.48	27.68	0.23	0.09

Macro	Tipo	Angolo 1-Z (gradi)
24	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
24	4	700.00	-18.21	3.05	0.02	-2.94	0.0	-2.50e-03
24	4	758.33	-18.21	3.05	0.02	-1.17	0.01	-1.07e-03
24	4	816.67	-16.26	2.96	-0.02	-0.11	4.93e-03	3.04e-03
24	4	875.00	-13.35	2.93	-0.02	0.44	-6.14e-03	3.59e-03
24	4	933.33	-10.10	2.93	-0.02	0.83	-0.02	1.99e-03
24	4	991.67	-6.77	2.95	-0.01	1.19	-0.03	-1.82e-03
24	4	1050.00	-0.61	3.01	0.04	0.13	-2.07e-03	-6.28e-03
24	7	700.00	-13.56	2.31	0.02	-2.33	0.0	-2.80e-03
24	7	758.33	-13.56	2.31	0.02	-0.99	0.01	-1.79e-03
24	7	816.67	-12.02	2.24	-0.01	-0.22	6.34e-03	1.77e-03
24	7	875.00	-9.77	2.21	-0.01	0.18	-1.52e-03	2.44e-03
24	7	933.33	-7.27	2.21	-0.01	0.46	-8.87e-03	1.56e-03
24	7	991.67	-4.70	2.22	-9.75e-03	0.70	-0.01	-6.01e-04
24	7	1050.00	-0.37	2.25	0.02	0.06	-1.18e-03	-3.20e-03
24	11	700.00	-17.80	2.89	0.02	-2.68	0.0	-1.21e-03
24	11	758.33	-17.80	2.89	0.02	-1.00	0.01	2.32e-04
24	11	816.67	-16.00	2.82	-0.02	0.05	1.36e-03	3.56e-03
24	11	875.00	-13.26	2.79	-0.02	0.61	-9.80e-03	3.76e-03
24	11	933.33	-10.18	2.80	-0.02	1.00	-0.02	1.83e-03
24	11	991.67	-7.02	2.82	-0.02	1.38	-0.03	-2.71e-03
24	11	1050.00	-0.72	2.90	0.05	0.18	-2.45e-03	-7.93e-03
24	19	700.00	-36.78	9.20	0.03	4.42	0.02	-9.67e-03
24	19	758.33	-36.78	9.20	0.03	5.36	0.02	-0.01
24	19	816.67	-27.53	8.28	0.07	4.85	0.05	-0.02
24	19	875.00	-20.25	7.67	0.03	4.06	0.07	-0.03
24	19	933.33	-14.12	7.25	-0.01	3.17	0.07	-0.04
24	19	991.67	-8.65	6.96	-0.04	2.25	0.06	-0.05
24	19	1050.00	-1.90	4.93	-0.14	0.78	0.03	-0.05
24	22	700.00	16.11	-5.96	-9.91e-03	-7.65	-0.02	7.10e-03
24	22	758.33	16.11	-5.96	-9.91e-03	-6.71	-9.44e-03	0.01
24	22	816.67	9.12	-5.14	-0.09	-5.03	-0.05	0.02
24	22	875.00	5.19	-4.57	-0.05	-3.64	-0.07	0.03
24	22	933.33	2.78	-4.15	-0.01	-2.33	-0.08	0.04
24	22	991.67	1.14	-3.84	0.03	-1.04	-0.09	0.05
24	22	1050.00	1.11	-1.74	0.19	-0.64	-0.04	0.04
24	35	700.00	-28.43	5.59	0.21	-1.15	0.06	0.03
24	35	758.33	-28.43	5.59	0.21	-0.21	0.07	0.03
24	35	816.67	-22.78	5.26	0.15	0.31	0.17	0.02
24	35	875.00	-17.48	5.05	0.05	0.54	0.23	-3.21e-03
24	35	933.33	-12.49	4.89	-0.04	0.67	0.23	-0.03
24	35	991.67	-7.75	4.77	-0.14	0.76	0.19	-0.05
24	35	1050.00	-1.57	4.71	-0.29	0.14	0.08	-0.05
24	51	700.00	-31.72	8.44	0.04	4.89	0.02	-6.02e-03
24	51	758.33	-31.72	8.44	0.04	5.84	0.03	-7.46e-03
24	51	816.67	-23.94	7.73	0.07	5.19	0.06	-0.02
24	51	875.00	-17.72	7.28	0.03	4.29	0.07	-0.02
24	51	933.33	-12.42	6.98	-0.01	3.32	0.07	-0.04
24	51	991.67	-7.67	6.78	-0.05	2.33	0.07	-0.05
24	51	1050.00	-1.48	4.72	-0.15	0.77	0.04	-0.05
24	54	700.00	11.05	-5.20	-0.01	-8.12	-0.02	3.45e-03
24	54	758.33	11.05	-5.20	-0.01	-7.18	-0.01	6.37e-03
24	54	816.67	5.53	-4.60	-0.09	-5.37	-0.05	0.02
24	54	875.00	2.65	-4.18	-0.05	-3.87	-0.08	0.03
24	54	933.33	1.08	-3.88	-8.67e-03	-2.48	-0.09	0.04
24	54	991.67	0.15	-3.66	0.03	-1.12	-0.09	0.04
24	54	1050.00	0.69	-1.54	0.19	-0.63	-0.04	0.04
24	67	700.00	-27.58	5.51	0.22	-1.13	0.07	0.03
24	67	758.33	-27.58	5.51	0.22	-0.18	0.08	0.03
24	67	816.67	-22.28	5.26	0.15	0.31	0.18	0.02
24	67	875.00	-17.18	5.09	0.05	0.53	0.24	-1.01e-03
24	67	933.33	-12.31	4.96	-0.04	0.66	0.24	-0.03
24	67	991.67	-7.65	4.87	-0.14	0.75	0.19	-0.05
24	67	1050.00	-1.49	4.81	-0.30	0.13	0.09	-0.06
24	83	700.00	-28.76	7.60	0.03	4.23	0.02	-5.09e-03
24	83	758.33	-28.76	7.60	0.03	5.17	0.02	-6.28e-03
24	83	816.67	-21.89	6.99	0.06	4.64	0.05	-0.01
24	83	875.00	-16.30	6.61	0.02	3.87	0.06	-0.02
24	83	933.33	-11.48	6.35	-0.01	3.02	0.06	-0.03
24	83	991.67	-7.12	6.18	-0.04	2.15	0.06	-0.04
24	83	1050.00	-1.31	4.36	-0.13	0.69	0.03	-0.04
24	86	700.00	8.10	-4.36	-7.87e-03	-7.46	-0.02	2.51e-03
24	86	758.33	8.10	-4.36	-7.87e-03	-6.52	-9.03e-03	5.18e-03
24	86	816.67	3.49	-3.86	-0.08	-4.82	-0.04	0.02

24	86	875.00	1.23	-3.51	-0.04	-3.44	-0.07	0.03
24	86	933.33	0.14	-3.25	-8.67e-03	-2.17	-0.08	0.03
24	86	991.67	-0.39	-3.06	0.03	-0.94	-0.08	0.04
24	86	1050.00	0.52	-1.17	0.17	-0.55	-0.03	0.04
24	99	700.00	-25.56	5.06	0.20	-1.18	0.06	0.03
24	99	758.33	-25.56	5.06	0.20	-0.24	0.07	0.03
24	99	816.67	-20.77	4.84	0.14	0.27	0.16	0.02
24	99	875.00	-16.07	4.69	0.05	0.50	0.21	-4.76e-04
24	99	933.33	-11.55	4.59	-0.04	0.63	0.21	-0.02
24	99	991.67	-7.21	4.51	-0.13	0.74	0.17	-0.04
24	99	1050.00	-1.36	4.46	-0.27	0.12	0.08	-0.05
24	115	700.00	-43.69	10.92	0.04	5.37	0.02	-0.01
24	115	758.33	-43.69	10.92	0.04	6.31	0.03	-0.01
24	115	816.67	-32.36	9.76	0.08	5.65	0.06	-0.03
24	115	875.00	-23.63	8.98	0.03	4.70	0.08	-0.04
24	115	933.33	-16.36	8.43	-9.35e-03	3.63	0.08	-0.05
24	115	991.67	-9.95	8.06	-0.05	2.53	0.08	-0.06
24	115	1050.00	-2.35	5.64	-0.17	0.92	0.04	-0.06
24	118	700.00	23.03	-7.69	-0.01	-8.60	-0.02	0.01
24	118	758.33	23.03	-7.69	-0.01	-7.66	-0.01	0.01
24	118	816.67	13.95	-6.62	-0.10	-5.83	-0.06	0.03
24	118	875.00	8.56	-5.87	-0.05	-4.27	-0.09	0.04
24	118	933.33	5.02	-5.33	-0.01	-2.79	-0.10	0.05
24	118	991.67	2.44	-4.94	0.03	-1.32	-0.11	0.06
24	118	1050.00	1.56	-2.45	0.21	-0.78	-0.04	0.05
24	131	700.00	-32.12	6.35	0.25	-1.08	0.08	0.04
24	131	758.33	-32.12	6.35	0.25	-0.13	0.08	0.03
24	131	816.67	-25.50	5.94	0.18	0.38	0.20	0.02
24	131	875.00	-19.44	5.67	0.06	0.61	0.27	-5.11e-03
24	131	933.33	-13.82	5.47	-0.04	0.72	0.27	-0.03
24	131	991.67	-8.53	5.32	-0.16	0.79	0.22	-0.06
24	131	1050.00	-1.82	5.23	-0.34	0.17	0.10	-0.06
24	145	700.00	-11.96	1.96	0.02	-1.97	0.0	-1.99e-03
24	145	758.33	-11.96	1.96	0.02	-0.82	9.83e-03	-1.11e-03
24	145	816.67	-10.63	1.90	-9.55e-03	-0.14	4.26e-03	1.71e-03
24	145	875.00	-8.67	1.88	-0.01	0.21	-2.56e-03	2.16e-03
24	145	933.33	-6.49	1.88	-0.01	0.45	-9.30e-03	1.28e-03
24	145	991.67	-4.25	1.89	-8.81e-03	0.66	-0.01	-8.23e-04
24	145	1050.00	-0.39	1.92	0.02	0.06	-1.15e-03	-3.32e-03
24	146	700.00	-12.91	2.12	0.02	-2.06	0.0	-1.65e-03
24	146	758.33	-12.91	2.12	0.02	-0.82	9.52e-03	-6.60e-04
24	146	816.67	-11.52	2.06	-0.01	-0.08	3.19e-03	2.15e-03
24	146	875.00	-9.46	2.04	-0.01	0.31	-4.51e-03	2.51e-03
24	146	933.33	-7.16	2.04	-0.01	0.59	-0.01	1.37e-03
24	146	991.67	-4.80	2.05	-0.01	0.84	-0.02	-1.32e-03
24	146	1050.00	-0.46	2.10	0.03	0.09	-1.46e-03	-4.47e-03
24	149	700.00	-12.64	2.02	0.01	-1.88	0.0	-8.00e-04
24	149	758.33	-12.64	2.02	0.01	-0.71	7.24e-03	2.06e-04
24	149	816.67	-11.35	1.97	-0.01	0.03	8.15e-04	2.49e-03
24	149	875.00	-9.40	1.95	-0.01	0.42	-6.95e-03	2.62e-03
24	149	933.33	-7.21	1.95	-0.02	0.70	-0.02	1.26e-03
24	149	991.67	-4.97	1.97	-0.01	0.96	-0.02	-1.92e-03
24	149	1050.00	-0.53	2.02	0.04	0.12	-1.72e-03	-5.57e-03
24	151	700.00	-10.74	1.70	0.01	-1.70	0.0	-1.46e-03
24	151	758.33	-10.74	1.70	0.01	-0.71	7.87e-03	-6.86e-04
24	151	816.67	-9.56	1.65	-8.45e-03	-0.10	2.95e-03	1.61e-03
24	151	875.00	-7.82	1.63	-0.01	0.21	-3.05e-03	1.93e-03
24	151	933.33	-5.88	1.63	-0.01	0.43	-9.21e-03	1.09e-03
24	151	991.67	-3.88	1.64	-7.98e-03	0.62	-0.01	-9.19e-04
24	151	1050.00	-0.39	1.67	0.02	0.07	-1.09e-03	-3.27e-03
24	154	700.00	-10.71	1.68	0.01	-1.65	0.0	-1.15e-03
24	154	758.33	-10.71	1.68	0.01	-0.67	7.09e-03	-3.68e-04
24	154	816.67	-9.56	1.63	-8.59e-03	-0.06	2.08e-03	1.75e-03
24	154	875.00	-7.85	1.61	-0.01	0.26	-3.99e-03	1.99e-03
24	154	933.33	-5.94	1.61	-0.01	0.48	-0.01	1.06e-03
24	154	991.67	-3.97	1.63	-8.34e-03	0.67	-0.02	-1.15e-03
24	154	1050.00	-0.42	1.66	0.02	0.08	-1.19e-03	-3.72e-03
24	156	700.00	-10.33	1.62	0.01	-1.61	0.0	-1.29e-03
24	156	758.33	-10.33	1.62	0.01	-0.67	7.22e-03	-5.46e-04
24	156	816.67	-9.20	1.57	-8.08e-03	-0.09	2.51e-03	1.58e-03
24	156	875.00	-7.53	1.55	-9.81e-03	0.21	-3.21e-03	1.85e-03
24	156	933.33	-5.67	1.55	-0.01	0.42	-9.19e-03	1.02e-03
24	156	991.67	-3.76	1.56	-7.70e-03	0.61	-0.01	-9.51e-04
24	156	1050.00	-0.40	1.59	0.02	0.07	-1.07e-03	-3.26e-03

M_S

N memb.	V memb.	V orto	M memb.	M orto	T
-43.69	-7.69	-0.34	-8.60	-0.11	-0.06
23.03	10.92	0.25	6.31	0.27	0.06

34 VERIFICHE S.L. ELEMENTI IN LEGNO

34.1 LEGENDA TABELLA VERIFICHE S.L. ELEMENTI IN LEGNO

Il programma consente la verifica dei seguenti tipi di elementi:

1. Aste 2. Travi 3. Pilastri

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

ok: verifica con esito positivo

NV: verifica con esito negativo

Le verifiche sono condotte in ottemperanza alle NTC 17 Gennaio 2018, oppure seguendo le indicazioni analitiche riportate nella norma tecnica UNI EN 1995-1-1:2005 "Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici"; in particolare le verifiche effettuate sono riconducibili ai punti:

NTC 2018

- 4.4.8 Stati limite ultimi
- 4.4.8.1.7 Tensoflessione
- 4.4.8.1.8 Pressoflessione
- 4.4.8.1.11 Taglio e torsione
- 4.4.8.2.1 Elementi inflessi
- 4.4.8.2.2 Elementi compressi

EC5

- 2.2.2 Ultimate limit states
- 2.2.3 Serviceability limit states
- 2.4.1 Design value of material property
- 2.4.3 Design resistances
- 3.1.3 Strength modification (k_{mod})
- 3.1.4 Deformation modification (k_{def})
- 6. Ultimate limit states
- 6.2 Design of cross-sections subjected to combined stresses
- 6.3 Stability of members

Simbologia adottata nelle tabelle di verifica

Le verifiche effettuate ai sensi delle NTC 2018 sono dettagliatamente riportate come da tabella seguente:

Elem.	Numero dell'elemento
Tipo	Codice di individuazione del tipo di elemento: Trave (T), Pilastro (P), Asta (A)
Stato	Codice della verifica: ok verificato, NV non verificato
Note	Numero della sezione (s) e del materiale (m) dell'archivio
Ver N+/M	Verifica come da formule 4.4.6a e 4.4.6b per tensoflessione, con i valori di k_m definiti nel par. 4.4.8.1.6
Ver N-/M	Verifica come da formule 4.4.7a e 4.4.7b per pressoflessione, con i valori di k_m definiti nel par. 4.4.8.1.6
Ver V/T	Verifica come da formula 4.4.10 (taglio torsione) con interazione ottenuta per quadratura del termine di taglio
Ver N(s)	Verifica instabilità a compressione come da par. 4.4.8.2.2
$K_{cy}(z)$	Fattore di instabilità $K_{crit,c}$ utilizzato nella formula 4.4.13, in funzione della snellezza relativa
Ver M(s)	Verifica instabilità laterale come da par. 4.4.8.2.1, effettuata in entrambi i piani principali y e z
$K_{crit}(y)/(z)$	Fattore di instabilità laterale utilizzato nella formula 4.4.11 rispettivamente per la flessione y e z
$w_{,net R}$	Massima deformazione in combinazione rara (F frequente, P quasi permanente)
$w_{,net Ri}$	Massima deformazione in combinazione rara (F frequente, P quasi permanente) valutata a tempo infinito
k_{def}	Fattore di deformazione dell'elemento
Rif. cmb	Numero della combinazione in cui si è attinto il valore riportato per le verifiche

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE	PAG. 680 DI 722

Le verifiche effettuate ai sensi dell'EC5 sono dettagliatamente riportate come da tabella seguente:

Elem.	Numero dell'elemento
Tipo	Codice di individuazione del tipo di elemento: Trave (T), Pilastro (P), Asta (A)
Stato	Codice della verifica ok verificato, NV non verificato
Note	Numero della sezione (s) e del materiale (m) dell'archivio
Ver N+/M	Verifica come da formula 6.17 e 6.18 per tensoflessione
Ver N-/M	Verifica come da formula 6.19 e 6.20 per pressoflessione
Ver V/T	Verifica come da formula 6.13 e 6.14 (taglio torsione) con interazione ottenuta per quadratura del termine di taglio
Ver N(s)	Verifica come da formula 6.23 e 6.24 per pressoflessione di elementi con snellezza relativa in un piano maggiore di 0.3
Kcy (z)	Fattore di instabilità utilizzato nella formula 6.23 (6.24)
Ver M(s)	Verifica come da formula 6.35 (effettuata in entrambi i piani principali) per instabilità laterale
Kcrit (y) (z)	Fattore di instabilità laterale utilizzato nella formula 6.35 rispettivamente per la flessione y e z
w,net R	Massima deformazione in combinazione rara (F frequente, P quasi permanente)
w,net Ri	Massima deformazione in combinazione rara (F frequente, P quasi permanente) valutata a tempo infinito
kdef	Fattore di deformazione dell' elemento
Rif. cmb	Numero della combinazione in cui si è attinto il valore riportato per le verifiche

Si sottolinea che le cinque verifiche sono espresse dal rapporto tra domanda e capacità, affinché la verifica sia positiva il rapporto deve essere inferiore o uguale a 1. La capacità è affetta dal termine **kmod**, espressione della classe di servizio e della durata dei carichi (si considera a livello di combinazione il caso di carico di minor durata).

Le deformazioni dell' elemento espresse in rapporto ad un millesimo di lunghezza sono rappresentate dal valore istantaneo e dal valore a tempo infinito. Il valore della deformazione a tempo infinito per una combinazione di carichi è ottenuta sommando per ogni caso di carico sia il valore istantaneo che il valore ottenuto dall' aliquota quasi-permanente amplificata del fattore kdef (formula 2.2 e 2.3).

In termini analitici il contributo del caso di carico con coefficiente di combinazione **Psi** (diverso da 0) è:
 $Psi + kdef \times Psi^2$

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

Test N°	Titolo
97	FATTORE DI STRUTTURA
98	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
99	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
101	VERIFICHE EC5
102	SNELLEZZE EC5

Elem.	Note	Pos.	Ver N+/M	Ver N-/M	Ver V/T	Rif. cmb	Ver N(s)	Kcy	Kcz	Ver M(s)	Kcrit(y)	Kcrit(z)	Rif. cmb
1 ok	T,s=2,m=78	0.0	4.28e-02	2.80e-02	4.89e-02	4,141,4			4.74e-03	1.0	1.0		0,125
		58.1	6.45e-03	1.59e-05	3.06e-03	124,125,141			3.99e-03	1.0	1.0		0,125
2 ok	T,s=2,m=78	0.0	5.95e-02	4.60e-02	1.97e-02	4,141,4			7.64e-03	1.0	1.0		0,125
		58.1	4.30e-02	2.80e-02	2.27e-03	4,141,140			6.45e-03	1.0	1.0		0,125
3 ok	T,s=2,m=78	0.0	4.96e-02	6.20e-02	7.22e-02	4,125,125			9.32e-03	1.0	1.0		0,125
		58.1	5.92e-02	4.60e-02	0.2	4,141,4			8.85e-03	1.0	1.0		0,125
4 ok	T,s=2,m=78	0.0	0.1	0.1	5.98e-02	4,125,4			2.74e-02	1.0	1.0		0,125
		52.2	5.19e-02	6.07e-02	0.2	4,125,4			1.58e-02	1.0	1.0		0,125
5 ok	T,s=2,m=78	0.0	0.1	9.64e-02	3.62e-02	4,125,125			1.47e-02	1.0	1.0		0,125
		52.2	0.1	0.1	2.28e-02	4,125,120			2.14e-02	1.0	1.0		0,125
6 ok	T,s=2,m=78	0.0	9.16e-02	6.16e-02	3.80e-02	4,125,4			7.53e-03	1.0	1.0		0,4
		52.2	0.1	9.61e-02	2.04e-02	4,125,121			1.41e-02	1.0	1.0		0,4
7 ok	T,s=2,m=78	0.0	4.76e-02	2.54e-02	5.05e-02	4,141,4			2.76e-03	1.0	1.0		0,126
		52.2	8.78e-02	6.18e-02	2.04e-02	4,125,121			7.53e-03	1.0	1.0		0,4
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO						PROGETTO STRUTTURE							
TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE						PAG. 681 DI 722							

8 ok	T,s=2,m=78	0.0	1.82e-02	3.34e-02	0.1	137,114,4	5.02e-03	1.0	1.0	0,4
		52.2	2.96e-02	4.67e-02	3.61e-02	127,4,4	6.50e-03	1.0	1.0	0,4
9 ok	T,s=2,m=78	0.0	7.32e-02	6.21e-02	6.17e-02	125,4,121	5.12e-03	1.0	1.0	0,4
		58.0	3.38e-02	2.64e-02	3.54e-02	114,4,121	2.54e-03	1.0	1.0	0,124
10 ok	T,s=2,m=78	0.0	2.42e-02	4.27e-02	3.64e-02	127,4,112	2.65e-03	1.0	1.0	0,4
		52.5	7.32e-02	6.22e-02	6.06e-02	125,4,113	4.93e-03	1.0	1.0	0,125
11 ok	T,s=2,m=78	0.0	2.18e-02	3.75e-02	1.84e-02	135,115,120	2.56e-03	1.0	1.0	0,120
		52.5	2.55e-02	4.27e-02	2.88e-02	135,4,121	2.56e-03	1.0	1.0	0,4
12 ok	T,s=2,m=78	0.0	4.40e-02	4.17e-02	1.60e-02	112,120,120	3.00e-03	1.0	1.0	0,120
		52.5	3.85e-02	3.59e-02	2.15e-02	115,123,121	2.47e-03	1.0	1.0	0,120
13 ok	T,s=2,m=78	0.0	4.84e-02	4.04e-02	1.76e-02	112,113,119	2.31e-03	1.0	1.0	0,113
		52.5	4.42e-02	2.85e-02	2.12e-02	112,113,125	1.86e-03	1.0	1.0	0,112
14 ok	T,s=2,m=78	0.0	4.13e-02	3.92e-02	1.65e-02	112,113,114	1.96e-03	1.0	1.0	0,113
		52.5	4.80e-02	4.02e-02	1.84e-02	112,113,111	2.22e-03	1.0	1.0	0,112
15 ok	T,s=2,m=78	0.0	2.89e-03	2.80e-03	2.87e-02	140,141,113	2.99e-04	1.0	1.0	0,125
		52.5	4.07e-02	3.89e-02	3.08e-02	112,113,112	1.75e-03	1.0	1.0	0,113
16 ok	T,s=2,m=78	0.0	3.60e-02	3.77e-02	1.27e-02	124,125,121	1.63e-03	1.0	1.0	0,125
		52.2	2.82e-02	2.66e-02	1.10e-02	124,125,120	9.69e-04	1.0	1.0	0,117
17 ok	T,s=2,m=78	0.0	2.43e-02	2.59e-02	1.24e-02	116,124,120	1.16e-03	1.0	1.0	0,124
		52.2	3.86e-02	3.55e-02	1.91e-02	125,124,121	1.78e-03	1.0	1.0	0,124
18 ok	T,s=2,m=78	0.0	1.87e-02	2.01e-02	1.04e-02	112,124,120	1.55e-03	1.0	1.0	0,140
		52.2	2.33e-02	2.58e-02	1.21e-02	112,124,121	1.74e-03	1.0	1.0	0,140
19 ok	T,s=2,m=78	0.0	1.09e-02	1.37e-02	1.20e-02	125,124,4	1.80e-03	1.0	1.0	0,124
		52.2	9.60e-03	2.00e-02	8.58e-03	125,124,121	2.00e-03	1.0	1.0	0,124
20 ok	T,s=2,m=78	0.0	2.93e-02	1.44e-02	2.12e-02	125,4,4	2.97e-03	1.0	1.0	0,124
		52.2	1.23e-02	1.38e-02	9.51e-03	125,124,123	3.00e-03	1.0	1.0	0,124
21 ok	T,s=2,m=78	0.0	9.25e-02	5.84e-02	3.59e-02	125,116,117	5.24e-03	1.0	1.0	0,124
		58.0	2.96e-02	1.44e-02	1.82e-02	125,4,117	3.80e-03	1.0	1.0	0,124
22 ok	T,s=2,m=78	0.0	2.65e-02	3.45e-02	3.49e-02	125,4,117	5.98e-03	1.0	1.0	0,124
		52.5	9.12e-02	5.25e-02	3.57e-02	125,116,117	6.87e-03	1.0	1.0	0,124
23 ok	T,s=2,m=78	0.0	2.70e-02	4.28e-02	2.22e-02	117,112,121	5.85e-03	1.0	1.0	0,124
		52.5	2.63e-02	3.45e-02	2.27e-02	117,4,121	4.78e-03	1.0	1.0	0,124
24 ok	T,s=2,m=78	0.0	4.49e-02	5.26e-02	1.31e-02	113,112,121	5.64e-03	1.0	1.0	0,124
		52.5	2.63e-02	4.31e-02	1.35e-02	117,112,121	4.78e-03	1.0	1.0	0,124
25 ok	T,s=2,m=78	0.0	5.19e-02	5.31e-02	9.02e-03	113,112,121	4.80e-03	1.0	1.0	0,124
		52.5	4.42e-02	5.28e-02	9.19e-03	113,112,121	4.59e-03	1.0	1.0	0,124
26 ok	T,s=2,m=78	0.0	3.96e-02	3.77e-02	9.34e-03	117,112,123	2.69e-03	1.0	1.0	0,124
		52.5	5.12e-02	5.34e-02	9.56e-03	113,112,123	3.75e-03	1.0	1.0	0,124
27 ok	T,s=2,m=78	0.0	9.91e-03	1.28e-02	2.08e-02	130,141,113	4.74e-04	1.0	1.0	0,119
		52.5	3.86e-02	3.81e-02	2.08e-02	113,112,112	1.76e-03	1.0	1.0	0,124
28 ok	T,s=2,m=78	0.0	4.28e-02	2.80e-02	4.88e-02	4,131,4	4.75e-03	1.0	1.0	0,119
		58.1	6.46e-03	1.60e-05	3.07e-03	122,119,131	4.00e-03	1.0	1.0	0,119
29 ok	T,s=2,m=78	0.0	5.92e-02	4.59e-02	1.97e-02	4,131,4	4.17e-03	1.0	1.0	0,119
		58.1	4.27e-02	2.80e-02	2.27e-03	4,131,134	2.98e-03	1.0	1.0	0,119
30 ok	T,s=2,m=78	0.0	4.89e-02	4.99e-02	7.24e-02	4,119,119	9.42e-03	1.0	1.0	0,119
		58.1	5.85e-02	4.60e-02	0.2	4,131,4	8.94e-03	1.0	1.0	0,119
31 ok	T,s=2,m=78	0.0	0.1	0.1	5.97e-02	4,119,4	2.06e-02	1.0	1.0	0,119
		52.2	5.17e-02	4.98e-02	0.2	4,119,4	9.01e-03	1.0	1.0	0,119
32 ok	T,s=2,m=78	0.0	0.1	8.62e-02	3.42e-02	4,119,119	1.58e-02	1.0	1.0	0,119
		52.2	0.1	0.1	2.09e-02	4,119,126	2.25e-02	1.0	1.0	0,119
33 ok	T,s=2,m=78	0.0	9.02e-02	5.35e-02	3.79e-02	4,131,4	8.16e-03	1.0	1.0	0,119
		52.2	0.1	8.61e-02	2.05e-02	4,119,123	1.41e-02	1.0	1.0	0,4
34 ok	T,s=2,m=78	0.0	4.76e-02	2.78e-02	5.05e-02	4,129,4	4.53e-03	1.0	1.0	0,119
		52.2	8.79e-02	5.35e-02	2.08e-02	4,131,123	7.53e-03	1.0	1.0	0,4
35 ok	T,s=2,m=78	0.0	1.44e-02	2.65e-02	0.1	134,4,4	4.42e-03	1.0	1.0	0,119
		52.2	2.93e-02	4.66e-02	3.62e-02	113,4,4	4.47e-03	1.0	1.0	0,119
36 ok	T,s=2,m=78	0.0	2.60e-02	7.19e-02	6.14e-02	37,119,123	6.86e-03	1.0	1.0	0,119
		58.0	7.96e-03	2.65e-02	3.51e-02	30,4,123	2.66e-03	1.0	1.0	0,120
37 ok	T,s=2,m=78	0.0	2.65e-02	4.27e-02	3.60e-02	113,4,118	2.30e-03	1.0	1.0	0,4
		52.5	2.60e-02	7.18e-02	6.02e-02	37,119,115	6.45e-03	1.0	1.0	0,119
38 ok	T,s=2,m=78	0.0	3.86e-02	2.80e-02	1.84e-02	113,4,126	1.40e-03	1.0	1.0	0,113
		52.5	2.60e-02	4.27e-02	2.87e-02	129,4,123	2.19e-03	1.0	1.0	0,4
39 ok	T,s=2,m=78	0.0	4.42e-02	2.85e-02	1.60e-02	118,115,126	1.86e-03	1.0	1.0	0,118
		52.5	3.86e-02	2.80e-02	2.15e-02	113,4,123	1.40e-03	1.0	1.0	0,113
40 ok	T,s=2,m=78	0.0	4.78e-02	4.02e-02	1.76e-02	118,115,125	2.22e-03	1.0	1.0	0,118
		52.5	4.38e-02	2.85e-02	2.12e-02	118,115,119	1.86e-03	1.0	1.0	0,118
41 ok	T,s=2,m=78	0.0	4.16e-02	3.95e-02	1.66e-02	118,115,116	1.99e-03	1.0	1.0	0,111
		52.5	4.79e-02	4.02e-02	1.85e-02	118,115,117	2.22e-03	1.0	1.0	0,118
42 ok	T,s=2,m=78	0.0	2.93e-03	2.83e-03	2.87e-02	134,131,115	3.28e-04	1.0	1.0	0,119
		52.5	4.10e-02	3.92e-02	3.08e-02	118,115,118	1.79e-03	1.0	1.0	0,115
43 ok	T,s=2,m=78	0.0	3.61e-02	3.78e-02	1.27e-02	122,119,123	1.63e-03	1.0	1.0	0,119
		52.2	2.82e-02	2.66e-02	1.10e-02	122,119,126	9.65e-04	1.0	1.0	0,111
44 ok	T,s=2,m=78	0.0	2.61e-02	2.13e-02	1.24e-02	122,134,126	6.38e-04	1.0	1.0	0,122
		52.2	3.58e-02	3.77e-02	1.90e-02	122,119,123	1.42e-03	1.0	1.0	0,119
45 ok	T,s=2,m=78	0.0	1.82e-02	1.97e-02	1.03e-02	118,122,126	1.49e-03	1.0	1.0	0,134

46 ok	T,s=2,m=78	52.2	2.35e-02	2.59e-02	1.20e-02	118,122,123													1.67e-03	1.0	1.0	0,134
		0.0	1.10e-02	1.38e-02	1.20e-02	119,122,4													1.87e-03	1.0	1.0	0,122
		52.2	9.38e-03	1.97e-02	8.60e-03	119,122,123													2.07e-03	1.0	1.0	0,122
47 ok	T,s=2,m=78	0.0	2.95e-02	1.44e-02	2.12e-02	119,4,4													3.03e-03	1.0	1.0	0,122
		52.2	1.25e-02	1.39e-02	9.55e-03	119,122,121													3.07e-03	1.0	1.0	0,122
48 ok	T,s=2,m=78	0.0	9.27e-02	5.86e-02	3.59e-02	119,114,111													5.28e-03	1.0	1.0	0,122
		58.0	2.97e-02	1.44e-02	1.82e-02	119,4,111													3.82e-03	1.0	1.0	0,122
49 ok	T,s=2,m=78	0.0	2.65e-02	3.45e-02	3.48e-02	119,4,111													5.98e-03	1.0	1.0	0,122
		52.5	9.13e-02	5.27e-02	3.56e-02	119,114,111													6.88e-03	1.0	1.0	0,122
50 ok	T,s=2,m=78	0.0	2.70e-02	4.28e-02	2.22e-02	111,118,123													5.85e-03	1.0	1.0	0,122
		52.5	2.64e-02	3.45e-02	2.28e-02	111,4,123													4.79e-03	1.0	1.0	0,122
51 ok	T,s=2,m=78	0.0	4.50e-02	5.27e-02	1.31e-02	115,118,123													5.64e-03	1.0	1.0	0,122
		52.5	2.64e-02	4.32e-02	1.35e-02	111,118,123													4.78e-03	1.0	1.0	0,122
52 ok	T,s=2,m=78	0.0	5.19e-02	5.32e-02	9.02e-03	115,118,123													4.80e-03	1.0	1.0	0,122
		52.5	4.42e-02	5.28e-02	9.19e-03	115,118,123													4.59e-03	1.0	1.0	0,122
53 ok	T,s=2,m=78	0.0	3.96e-02	3.77e-02	9.33e-03	111,118,121													2.69e-03	1.0	1.0	0,122
		52.5	5.13e-02	5.34e-02	9.55e-03	115,118,121													3.75e-03	1.0	1.0	0,122
54 ok	T,s=2,m=78	0.0	9.92e-03	1.29e-02	2.08e-02	136,131,115													4.74e-04	1.0	1.0	0,125
		52.5	3.87e-02	3.81e-02	2.08e-02	115,118,118													1.76e-03	1.0	1.0	0,122
55 ok	T,s=2,m=78	0.0	1.18e-03	5.51e-04	0.2	125,118,3	9.88e-04	1.0	0.6										6.88e-04	1.0	1.0	124,140
		319.0	1.50e-03	6.93e-04	0.2	125,119,3	1.32e-03	1.0	0.6										6.88e-04	1.0	1.0	124,140
56 ok	T,s=2,m=78	0.0	6.04e-03	6.24e-03	7.53e-03	116,124,121													1.18e-04	1.0	1.0	0,140
		48.7	1.16e-02	1.21e-02	9.87e-03	116,124,4													1.92e-04	1.0	1.0	0,140
57 ok	T,s=2,m=78	0.0	1.24e-02	5.72e-03	1.06e-02	124,138,120													1.37e-04	1.0	1.0	0,124
		48.7	8.80e-03	3.53e-03	1.07e-02	4,134,121													6.98e-05	1.0	1.0	0,4
58 ok	T,s=2,m=78	0.0	8.54e-03		1.10e-02	4,0,4													6.98e-05	1.0	1.0	0,4
		48.7	2.41e-04		4.40e-03	9,0,120													0.0	1.0	1.0	0,120
59 ok	T,s=2,m=78	0.0	1.57e-03	2.57e-04	5.86e-02	125,112,9	2.68e-03	1.0	0.6										2.50e-03	1.0	1.0	124,124
		319.0	1.75e-03	4.14e-04	5.86e-02	125,119,9	2.86e-03	1.0	0.6										2.50e-03	1.0	1.0	124,124
60 ok	T,s=2,m=78	0.0	6.62e-04	4.12e-04	5.48e-04	125,119,4													3.39e-04	1.0	1.0	0,124
		48.7	5.81e-03	3.86e-03	3.54e-03	9,11,9													3.40e-04	1.0	1.0	0,124
61 ok	T,s=2,m=78	0.0	5.85e-03	1.31e-03	1.26e-03	9,140,9													1.74e-04	1.0	1.0	0,140
		48.7	6.30e-03	4.96e-03	2.15e-03	11,4,11													1.78e-04	1.0	1.0	0,140
62 ok	T,s=2,m=78	0.0	6.31e-03	2.40e-03	3.79e-03	11,124,11													4.58e-05	1.0	1.0	0,140
		48.7	7.29e-05	0.0	1.68e-04	141,140,9													4.14e-05	1.0	1.0	0,140
63 ok	T,s=2,m=78	0.0	1.50e-02	1.23e-02	3.57e-03	125,124,125													1.88e-03	1.0	1.0	0,124
		52.2	2.23e-03	2.56e-04	3.30e-03	125,112,124													1.73e-03	1.0	1.0	0,124
64 ok	T,s=2,m=78	0.0	1.14e-02	7.50e-03	1.61e-03	125,124,11													3.06e-03	1.0	1.0	0,124
		52.2	1.62e-02	1.24e-02	1.65e-03	125,124,9													3.16e-03	1.0	1.0	0,124
65 ok	T,s=2,m=78	0.0	2.63e-03	6.61e-06	1.51e-03	125,124,124													2.57e-03	1.0	1.0	0,124
		52.2	1.09e-02	7.50e-03	2.99e-03	125,124,9													2.62e-03	1.0	1.0	0,124
66 ok	T,s=2,m=78	0.0	1.51e-02	1.24e-02	3.55e-03	119,122,119													1.88e-03	1.0	1.0	0,122
		52.2	2.21e-03	2.27e-04	3.26e-03	119,118,122													1.73e-03	1.0	1.0	0,122
67 ok	T,s=2,m=78	0.0	9.46e-03	7.46e-03	1.61e-03	119,122,11													9.43e-04	1.0	1.0	0,122
		52.2	1.41e-02	1.24e-02	1.65e-03	119,122,9													1.04e-03	1.0	1.0	0,122
68 ok	T,s=2,m=78	0.0	2.71e-03	6.31e-06	1.50e-03	119,122,122													2.51e-03	1.0	1.0	0,122
		52.2	1.11e-02	7.46e-03	2.99e-03	119,122,9													2.56e-03	1.0	1.0	0,122
69 ok	T,s=2,m=78	0.0	1.14e-03	4.92e-04	0.2	119,112,3	9.46e-04	1.0	0.6										6.94e-04	1.0	1.0	122,134
		319.0	1.52e-03	7.04e-04	0.2	119,125,3	1.33e-03	1.0	0.6										6.94e-04	1.0	1.0	122,134
70 ok	T,s=2,m=78	0.0	6.04e-03	6.24e-03	7.52e-03	114,122,123													1.18e-04	1.0	1.0	0,134
		48.7	1.16e-02	1.21e-02	9.86e-03	114,122,4													1.92e-04	1.0	1.0	0,134
71 ok	T,s=2,m=78	0.0	1.24e-02	5.72e-03	1.06e-02	122,128,126													1.37e-04	1.0	1.0	0,122
		48.7	8.80e-03	3.53e-03	1.07e-02	4,140,123													6.98e-05	1.0	1.0	0,4
72 ok	T,s=2,m=78	0.0	8.54e-03		1.10e-02	4,0,4													6.98e-05	1.0	1.0	0,4
		48.7	2.41e-04		4.40e-03	9,0,126													0.0	1.0	1.0	0,121
73 ok	T,s=2,m=78	0.0	6.31e-03	2.40e-03	3.79e-03	11,122,11													4.58e-05	1.0	1.0	0,134
		48.7	7.29e-05	0.0	1.68e-04	131,134,9													4.14e-05	1.0	1.0	0,134
74 ok	T,s=2,m=78	0.0	5.85e-03	1.28e-03	1.26e-03	9,4,9													1.74e-04	1.0	1.0	0,134
		48.7	6.30e-03	4.96e-03	2.15e-03	11,4,11													1.77e-04	1.0	1.0	0,134
75 ok	T,s=2,m=78	0.0	6.68e-04	4.19e-04	5.47e-04	119,125,4													3.39e-04	1.0	1.0	0,122
		48.7	5.81e-03	3.87e-03	3.54e-03	9,11,9													3.40e-04	1.0	1.0	0,122
76 ok	T,s=2,m=78	0.0	1.55e-03	2.28e-04	5.86e-02	119,118,11	2.66e-03	1.0	0.6										2.50e-03	1.0	1.0	122,122
		319.0	1.75e-03	4.21e-04	5.86e-02	119,125,9	2.86e-03	1.0	0.6										2.50e-03	1.0	1.0	122,122

Elem.	Ver N+ /M	Ver N- /M	Ver V/T	Ver N(s)	Kcy	Kcz	Ver M(s)	Kcrit(y)	Kcrit
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6	0.2	0.2	0.2	146,151,156	0.8	0.4	0.3	0.3	146,154,156
7	0.4	0.3	0.3	146,151,156	0.8	0.7	0.6	0.6	146,154,156
8	0.6	0.5	0.5	146,151,156	0.8	1.1	1.0	0.9	146,154,156
9	0.4	0.3	0.3	146,151,156	0.8	0.7	0.7	0.6	146,154,156
10	0.1	0.1	0.1	146,151,156	0.8	0.2	0.2	0.2	146,154,156
11	9.36e-02	7.73e-02	7.33e-02	146,151,156	0.8	0.2	0.2	0.1	146,154,156
12	7.25e-02	5.97e-02	5.66e-02	146,151,156	0.8	0.1	0.1	0.1	146,154,156
13	6.49e-02	5.32e-02	5.04e-02	146,151,156	0.8	0.1	0.1	9.95e-02	146,154,156
14	6.86e-02	5.62e-02	5.35e-02	146,151,156	0.8	0.1	0.1	0.1	146,154,156
15	8.91e-02	7.32e-02	6.95e-02	146,151,156	0.8	0.2	0.1	0.1	146,154,156
16	0.3	0.2	0.2	146,151,156	0.8	0.5	0.4	0.4	146,154,156
17	0.2	0.2	0.2	146,151,156	0.8	0.4	0.4	0.3	146,154,156
18	0.3	0.2	0.2	146,151,156	0.8	0.5	0.4	0.4	146,154,156
19	0.3	0.3	0.3	146,151,156	0.8	0.6	0.6	0.5	146,154,156
20	0.4	0.3	0.3	146,151,156	0.8	0.7	0.7	0.6	146,154,156
21	0.4	0.3	0.3	146,151,156	0.8	0.7	0.7	0.6	146,154,156
22	0.2	0.2	0.2	146,151,156	0.8	0.4	0.4	0.3	146,154,156
23	0.1	0.1	0.1	146,151,156	0.8	0.3	0.2	0.2	146,154,156
24	0.1	9.24e-02	8.75e-02	146,151,156	0.8	0.2	0.2	0.2	146,154,156
25	0.1	8.25e-02	7.82e-02	146,151,156	0.8	0.2	0.2	0.2	146,154,156
26	0.1	8.99e-02	8.52e-02	146,151,156	0.8	0.2	0.2	0.2	146,154,156
27	0.1	0.1	9.93e-02	146,151,156	0.8	0.2	0.2	0.2	146,154,156
28	0.2	0.1	0.1	146,151,156	0.8	0.3	0.2	0.2	146,154,156
29	0.3	0.2	0.2	146,151,156	0.8	0.6	0.5	0.5	146,154,156
30	0.8	0.7	0.6	146,151,156	0.8	1.5	1.3	1.2	146,154,156
31	0.7	0.6	0.5	146,151,156	0.8	1.3	1.1	1.1	146,154,156
32	4.79e-02	3.95e-02	3.72e-02	146,151,156	0.8	8.72e-02	7.71e-02	7.44e-02	146,154,156
33	0.2	0.2	0.2	146,151,156	0.8	0.4	0.3	0.3	146,154,156
34	0.4	0.3	0.3	146,151,156	0.8	0.7	0.6	0.6	146,154,156
35	0.6	0.5	0.5	146,151,156	0.8	1.1	1.0	0.9	146,154,156
36	0.4	0.3	0.3	146,151,156	0.8	0.7	0.7	0.6	146,154,156
37	0.1	0.1	0.1	146,151,156	0.8	0.2	0.2	0.2	146,154,156
38	9.36e-02	7.73e-02	7.33e-02	146,151,156	0.8	0.2	0.2	0.1	146,154,156
39	7.25e-02	5.97e-02	5.66e-02	146,151,156	0.8	0.1	0.1	0.1	146,154,156
40	6.49e-02	5.32e-02	5.05e-02	146,151,156	0.8	0.1	0.1	9.96e-02	146,154,156
41	6.86e-02	5.62e-02	5.35e-02	146,151,156	0.8	0.1	0.1	0.1	146,154,156
42	8.91e-02	7.32e-02	6.95e-02	146,151,156	0.8	0.2	0.1	0.1	146,154,156
43	0.3	0.2	0.2	146,151,156	0.8	0.5	0.4	0.4	146,154,156
44	0.2	0.2	0.2	146,151,156	0.8	0.4	0.4	0.3	146,154,156
45	0.3	0.2	0.2	146,151,156	0.8	0.5	0.4	0.4	146,154,156
46	0.3	0.3	0.3	146,151,156	0.8	0.6	0.6	0.5	146,154,156
47	0.4	0.3	0.3	146,151,156	0.8	0.7	0.7	0.6	146,154,156
48	0.4	0.3	0.3	146,151,156	0.8	0.7	0.7	0.6	146,154,156
49	0.2	0.2	0.2	146,151,156	0.8	0.4	0.4	0.3	146,154,156
50	0.1	0.1	0.1	146,151,156	0.8	0.3	0.2	0.2	146,154,156
51	0.1	9.24e-02	8.75e-02	146,151,156	0.8	0.2	0.2	0.2	146,154,156
52	0.1	8.25e-02	7.82e-02	146,151,156	0.8	0.2	0.2	0.2	146,154,156
53	0.1	9.00e-02	8.52e-02	146,151,156	0.8	0.2	0.2	0.2	146,154,156
54	0.1	0.1	9.94e-02	146,151,156	0.8	0.2	0.2	0.2	146,154,156
55	0.3	0.3	0.3	145,151,156	0.8	0.6	0.5	0.5	146,151,156
56	4.75e-02	3.38e-02	3.04e-02	147,152,155	0.8	8.54e-02	7.18e-02	5.47e-02	147,152,155
57	6.44e-02	5.40e-02	5.18e-02	146,151,156	0.8	0.1	0.1	0.1	146,154,156
58	0.1	8.51e-02	8.12e-02	146,151,156	0.8	0.2	0.2	0.2	146,154,156
59	0.3	0.3	0.2	146,151,156	0.8	0.6	0.5	0.5	146,154,156
60	9.90e-02	7.46e-02	6.65e-02	145,151,156	0.8	0.2	0.2	0.1	145,151,156
61	8.01e-02	6.35e-02	5.79e-02	145,151,156	0.8	0.1	0.1	0.1	145,151,156
62	0.1	9.57e-02	8.89e-02	145,151,156	0.8	0.2	0.2	0.2	145,151,156
63	0.3	0.3	0.2	149,154,156	0.8	0.6	0.5	0.5	149,154,156
64	0.3	0.2	0.2	146,154,156	0.8	0.6	0.5	0.5	146,154,156
65	0.3	0.2	0.2	146,151,156	0.8	0.6	0.5	0.5	146,154,156
66	0.3	0.3	0.2	149,154,156	0.8	0.6	0.5	0.5	149,154,156
67	0.3	0.2	0.2	146,154,156	0.8	0.6	0.5	0.5	146,154,156
68	0.3	0.2	0.2	146,151,156	0.8	0.6	0.5	0.5	146,154,156
69	0.3	0.3	0.3	145,151,156	0.8	0.6	0.5	0.5	146,151,156
70	4.75e-02	3.38e-02	3.04e-02	147,152,155	0.8	8.55e-02	7.18e-02	5.48e-02	147,152,155
71	6.45e-02	5.41e-02	5.18e-02	146,151,156	0.8	0.1	0.1	0.1	146,154,156
72	0.1	8.52e-02	8.13e-02	146,151,156	0.8	0.2	0.2	0.2	146,154,156
73	0.1	9.57e-02	8.89e-02	145,151,156	0.8	0.2	0.2	0.2	145,151,156
74	8.01e-02	6.35e-02	5.80e-02	145,151,156	0.8	0.1	0.1	0.1	145,151,156
75	9.90e-02	7.46e-02	6.65e-02	145,151,156	0.8	0.2	0.2	0.1	145,151,156
76	0.3	0.3	0.2	146,151,156	0.8	0.6	0.5	0.5	146,154,156

Elem.	w,net R 0.81	w,net F 0.67	w,net P 0.63		w,net Ri 1.49	w,net Fi 1.33	w,net Pi 1.24
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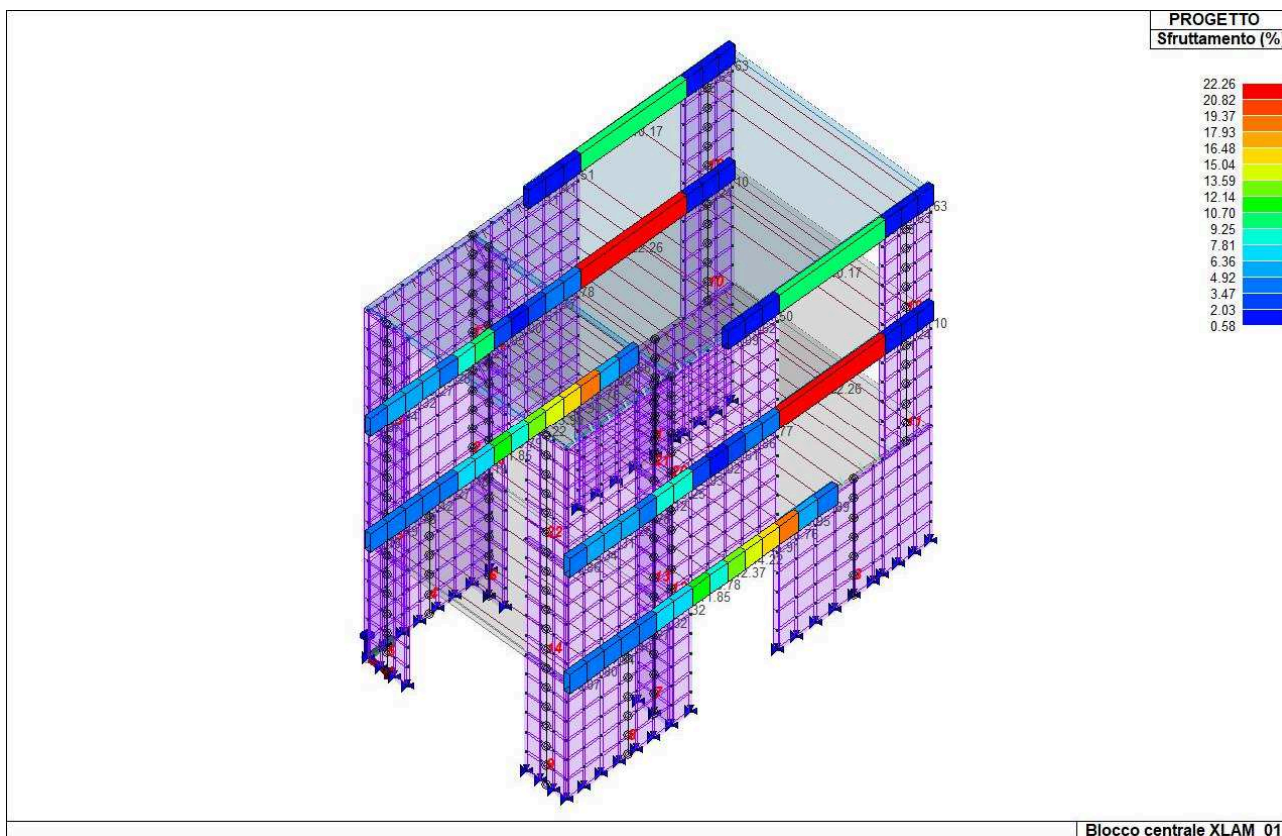


Figura 34: Sfruttamento elementi D2 [%]

35 VERIFICHE S.L. PANNELLI XLAM

35.1 LEGENDA TABELLA VERIFICHE S.L. PANNELLI XLAM

Il programma consente la verifica dei seguenti tipi di elementi:

1. gusci
2. setti

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

- ok:** verifica con esito positivo
- NV:** verifica con esito negativo

Le verifiche sono condotte in ottemperanza alle NTC 17 Gennaio 2018 seguendo anche le indicazioni analitiche riportate nella norma tecnica UNI EN 1995-1-1:2005 "Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici" e nella norma tedesca DIN 1052 (D) - 2008.

Utilizzando il riferimento tecnico dell' Università di Monaco "Teilprojekt 15 - TP 15 Flächen aus Brettstapeln, Brettsperrholz und Verbundkonstruktionen" che permette di valutare in modo esaustivo il comportamento del pannello in presenza di significative deformazioni a taglio si è valutata in fase di verifica la migrazione degli sforzi dal "Piano B" al "Piano A" come previsto nell' appendice D parte 3 della norma tedesca DIN 1052 (D) - 2008.

In particolare le verifiche effettuate sono riconducibili a quanto previsto nell' appendice D e al capitolo 10.7 della DIN:

- 10.7.1 (127) tensoflessione
- 10.7.1 (128) pressoflessione
- 10.7.1 (129) taglio torsione
- 10.7.1 (130) trazione e taglio di rotolamento
- 10.7.1 (131) compressione e taglio di rotolamento
- App D. (26) momento torcente di incollaggio

Viene riportata un'ulteriore verifica (Mestek 5.4.5) in cui tutte le tensioni normali sono rapportate alla resistenza di progetto a flessione.

Le verifiche sono riportate in due distinte tabelle. Nella prima sono riportate le sollecitazioni sulle connessioni e le verifiche delle stesse. Nella seconda invece sono riportate le verifiche dei pannelli (raccolte per macroelementi e riportate ai nodi). Di seguito si esplicita il significato dei dati riportati nelle tabelle:

Setto/Guscio	Numero del macroelemento
Mat.	Materiale degli strati
N. strati	Numero di strati
Spessore	Spessore degli strati
Incoll.	Tavole incollate lungo il lato (si/no)
Direz. fibre	Inclinazione della direzione (0) rispetto all' asse X (per gusci)
Stato	Codice della verifica: ok verificato, NV non verificato
V.connes.	Codice della verifica delle connessioni: ok verificato, NV non verificato
V.Piede	Verifica delle connessioni alla base del pannello
Azione V	Taglio agente al piede del pannello
Rif.cmb	Combinazione di riferimento per la verifica delle connessioni al piede
V.testa	Verifica delle connessioni in testa al pannello
Azione V	Taglio agente in testa al pannello
Rif. Cmb	Combinazione di riferimento per la verifica delle connessioni in testa
V h-d	Verifica degli hold down
Azione N	Sforzo normale al piede del pannello
Azione M	Momento al piede del pannello
Rif. cmb	Combinazione di riferimento per la verifica degli hold down
Nodo	Numero del nodo per il quale si riportano le verifiche; prima riga direzione (0) seconda riga direzione (1)
V.127	Verifica come da DIN 10.7.1 (127) per tensoflessione
V.128	Verifica come da DIN 10.7.1 (128) per pressoflessione
V.545	Verifica come da riferimento tecnico dell' Università di Monaco Tp 15. (tensioni normali rapportate alla resistenza di progetto a flessione)
V.129	Verifica come da DIN 10.7.1 (129) per taglio torsione
V.130	Verifica come da DIN 10.7.1 (130) trazione e taglio di rotolamento
V.131	Verifica come da DIN 10.7.1 (131) compressione e taglio di rotolamento
M. D26	Momento torcente di incollaggio come da DIN App D. (26)
Fac. B-A	Fattore di riduzione della quota afferente al piano B in relazione alla deformabilità a taglio
Qsup. A	Quota afferente al piano A
Qsup. B	Quota afferente al piano B

A chiarimento delle verifiche riportate si precisa quanto segue.

Il programma consente la modellazione di pannelli XLAM con un numero di strati dispari di ugual spessore. Gli strati sono costituiti da tavole che possono o meno essere incollate lungo il lato lungo.

Gli strati sono caratterizzati dai moduli E0, G0, E90, G90 e Gori, rispettivamente in direzione 0 (parallela alle fibre), 90 (ortogonale alle fibre) e orizzontale.

Per convenzione la direzione 0 del pannello è quella parallela alle fibre del primo (e ultimo) strato. La direzione 0 pertanto ha caratteristiche di resistenza e rigidità superiore alla direzione 1. Il programma ipotizza che la direzione 0 sia verticale per i setti e inclinata rispetto all'asse X per i gusci (inclinazione settabile da criterio di progetto). In fase di verifica non esiste interazione tra direzione 0 e 1.

La peculiarità del pannello XLAM è data dalla presenza di strati molto deformabili a taglio (G90 è di un ordine di grandezza inferiore a G0) così da invalidare l'ipotesi di conservazione delle sezioni piane. L'appendice D della DIN 1052 (D) - 2008 fornisce indicazioni per la valutazione delle rigidità e delle tensioni sui pannelli XLAM, anche considerando la cedevolezza a taglio degli strati. In sostanza le azioni di piastra vengono ripartite su due piani ideali A e B mentre le azioni di lastra sono riportate sul piano ideale C. La deformabilità a taglio regola la ripartizione tra i piani A e B. Utilizzando il riferimento tecnico dell'Università di Monaco "Teilprojekt 15 - TP 15 Flächen aus Brettstapeln, Brettsperrholz und Verbundkonstruktionen" si è implementato l'algoritmo di ripartizione indicato al cap. 5.4.2.3 basato sull'analogia del taglio per carico sinusoidale. In base a questa analogia la quota di carico afferente al piano B viene ridotta in funzione delle caratteristiche statiche del pacchetto di strati e della luce del pannello nella direzione di studio.

Per entrambe le direzioni 0 e 1 si avranno 8 componenti di sollecitazione:

- Momento flettente ripartito su piano A e piano B
- Momento torcente ripartito su piano A e piano B
- Taglio ortogonale ripartito su piano A e piano B
- Sforzo normale su piano C
- Taglio membranale su piano C

Inoltre:

nel caso in cui le tavole siano incollate

- il momento di incollaggio è nullo
- il momento torcente viene ripartito sul piano A e B e verificato per la parte competente allo strato e al pannello (quota di Steiner)
- la resistenza al taglio di piano è offerta dall'intero spessore del pannello
- la dimensione "a" di fig. 16 par. 8.9.3 DIN 1052 (D) è identica nelle due direzioni

in caso contrario

- il momento di incollaggio viene computato secondo DIN D.26
- il momento torcente non viene verificato
- la resistenza al taglio di piano è offerta dallo spessore del pannello ridotto del 75%
- E90 DEVE ESSERE ASSUNTO PARI 0 (gli strati esterni si trascurano per tutti gli effetti in direzione debole)
- la dimensione "a" di fig. 16 par. 8.9.3 DIN 1052 (D) è minore in direzione (1)

Le verifiche V.127, V.128, V.545, V129 (ossia le verifiche per le tensioni normali e tangenziali) sono effettuate per gli strati pari in direzione 0 e per gli strati dispari in direzione 1 (ovvero gli strati con E0), le verifiche V130 e V131 sono effettuate per gli strati pari in direzione 1 e per gli strati dispari in direzione 0 (ovvero gli strati con G90).

Ai fini della verifica a taglio di piastra, è consentita una verifica semplificata che affida al piano B l' intero taglio e

determina la tensione tangenziale dividendo il taglio per la dimensione "a" di fig. 16 par. 8.9.3.

Il programma prevede a scelta dell' utente questa possibilità.

Si sottolinea che le sei verifiche sono espresse dal rapporto tra domanda e capacità, affinché la verifica sia positiva il rapporto deve essere inferiore o uguale a 1. La capacità è affetta dal termine **kmod**, espressione della classe di servizio e della durata dei carichi (si considera a livello di combinazione il caso di carico di minor durata).

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

Test N°	Titolo
126	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
127	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI
128	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM
129	VERIFICA HOLD DOWN DI UN PANNELLO IN XLAM

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
1	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.55	-78.5	23	0.55	-79.0	23	0.39	-1.073e+04	2.063e+06	122

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
11	0.0	0.15	0.0	0,4,0	0.04	1.35e-03	0.02	119,119,4	0.14	119	0.0	0.0	0.0
	2.16e-04	1.18e-03	0.0	123,126,0	0.04	1.10e-03	1.10e-03	119,120,120			1.00	0.04	0.96
13	0.10	0.17	0.0	122,119,0	0.03	2.10e-03	0.02	119,120,119	0.13	119	0.86	0.06	0.94
	2.40e-03	1.95e-03	0.0	122,119,0	0.03	1.09e-03	1.09e-03	119,120,120			1.00	0.04	0.96
15	0.0	0.15	0.0	0,4,0	0.04	1.35e-03	0.02	119,119,4	0.15	119	0.0	0.0	0.0
	2.16e-04	2.28e-03	0.0	123,4,0	0.04	1.10e-03	1.10e-03	119,120,120			1.00	0.04	0.96
16	0.0	0.15	0.0	0,4,0	0.05	1.35e-03	0.02	119,119,4	0.17	119	0.0	0.0	0.0
	2.16e-04	5.68e-03	0.0	123,4,0	0.05	1.13e-03	1.13e-03	119,120,120			1.00	0.04	0.96
17	0.0	0.15	0.0	0,4,0	0.04	1.35e-03	0.02	119,119,4	0.15	119	0.0	0.0	0.0
	2.16e-04	3.61e-03	0.0	123,4,0	0.04	1.13e-03	1.13e-03	119,120,120			1.00	0.04	0.96
18	0.0	0.16	0.0	0,4,0	0.04	1.18e-03	0.02	119,119,4	0.16	119	0.0	0.0	0.0
	0.0	3.77e-03	0.0	0,4,0	0.04	2.91e-04	2.91e-04	119,121,121			0.0	0.0	0.0
19	0.0	0.16	0.0	0,4,0	0.05	1.18e-03	0.02	119,119,4	0.18	119	0.0	0.0	0.0
	0.0	7.36e-03	0.0	0,4,0	0.05	2.91e-04	2.91e-04	119,121,121			0.0	0.0	0.0
20	0.0	0.16	0.0	0,4,0	0.06	9.15e-04	0.02	119,121,4	0.18	119	0.0	0.0	0.0
	0.0	7.04e-03	0.0	0,4,0	0.06	1.05e-04	1.05e-04	119,126,126			0.0	0.0	0.0
21	0.0	0.16	0.0	0,4,0	0.06	9.15e-04	0.02	119,121,4	0.19	119	0.0	0.0	0.0
	0.0	0.01	0.0	0,4,0	0.06	1.63e-04	1.63e-04	119,120,120			0.0	0.0	0.0
22	0.01	0.16	0.0	122,4,0	0.09	1.30e-03	0.02	119,126,119	0.23	119	0.86	0.06	0.94
	0.0	0.01	0.0	0,4,0	0.09	2.32e-04	2.32e-04	119,121,121			0.0	0.0	0.0
23	0.01	0.16	0.0	122,4,0	0.09	1.30e-03	0.02	119,126,119	0.23	119	0.86	0.06	0.94
	1.38e-04	0.02	0.0	122,4,0	0.09	2.32e-04	2.32e-04	119,121,121			1.00	0.04	0.96
24	0.04	0.18	0.0	122,119,0	0.14	2.14e-03	0.02	119,120,119	0.29	119	0.86	0.06	0.94
	3.27e-03	0.02	0.0	122,4,0	0.14	1.52e-03	1.52e-03	119,123,123			1.00	0.04	0.96
25	0.04	0.18	0.0	122,119,0	0.14	2.14e-03	0.02	119,120,119	0.29	119	0.86	0.06	0.94
	3.27e-03	0.02	0.0	122,4,0	0.14	1.52e-03	1.52e-03	119,123,123			1.00	0.04	0.96
26	0.04	0.18	0.0	122,119,0	0.14	2.14e-03	0.02	119,120,119	0.29	119	0.86	0.06	0.94

	3.27e-03	0.02	0.0	122,4,0	0.14	1.52e-03	1.52e-03119,123,123			1.00	0.04	0.96
27	0.04	0.18	0.0	122,119,0	0.14	2.14e-03	0.02119,120,119	0.29	119	0.86	0.06	0.94
	3.27e-03	0.02	0.0	122,4,0	0.14	1.52e-03	1.52e-03119,123,123			1.00	0.04	0.96
28	0.0	0.07	0.0	0,4,0	0.05	1.28e-03	7.13e-03 119,120,4	0.17	119	0.0	0.0	0.0
	0.0	6.90e-03	0.0	0,4,0	0.05	1.13e-03	1.13e-03119,121,121			0.0	0.0	0.0
29	0.0	0.07	0.0	0,4,0	0.04	1.28e-03	7.13e-03 119,120,4	0.15	119	0.0	0.0	0.0
	0.0	4.46e-03	0.0	0,4,0	0.04	1.13e-03	1.13e-03119,121,121			0.0	0.0	0.0
30	0.0	0.07	0.0	0,4,0	0.05	1.05e-03	6.97e-03 119,126,4	0.18	119	0.0	0.0	0.0
	5.25e-04	8.41e-03	0.0	122,4,0	0.05	2.89e-04	2.89e-04119,120,120			1.00	0.04	0.96
31	0.0	0.06	0.0	0,4,0	0.06	6.93e-04	6.73e-03 119,126,4	0.19	119	0.0	0.0	0.0
	7.19e-04	0.01	0.0	122,4,0	0.06	1.77e-04	1.77e-04119,120,120			1.00	0.04	0.96
32	0.0	0.06	0.0	0,4,0	0.06	8.74e-04	6.44e-03 119,126,4	0.19	119	0.0	0.0	0.0
	7.19e-04	0.02	0.0	122,4,0	0.06	1.82e-04	1.82e-04119,123,123			1.00	0.04	0.96
33	0.0	0.06	0.0	0,4,0	0.06	1.66e-03	6.30e-03 119,125,4	0.19	119	0.0	0.0	0.0
	8.41e-03	0.02	0.0	122,4,0	0.06	1.19e-03	1.19e-03119,121,121			1.00	0.04	0.96
34	0.0	0.06	0.0	0,4,0	0.06	1.66e-03	6.30e-03 119,125,4	0.19	119	0.0	0.0	0.0
	8.41e-03	0.02	0.0	122,4,0	0.06	1.19e-03	1.19e-03119,121,121			1.00	0.04	0.96
35	0.0	0.03	0.0	0,4,0	0.04	1.26e-03	3.21e-03119,125,124	0.16	119	0.0	0.0	0.0
	1.43e-03	6.90e-03	0.0	122,4,0	0.04	1.13e-03	1.13e-03119,121,121			1.00	0.04	0.96
36	0.0	0.03	0.0	0,4,0	0.04	1.26e-03	3.10e-03119,125,122	0.15	119	0.0	0.0	0.0
	0.0	4.46e-03	0.0	0,4,0	0.04	1.13e-03	1.13e-03119,121,121			0.0	0.0	0.0
37	0.0	0.03	0.0	0,4,0	0.04	1.02e-03	3.21e-03119,125,124	0.16	119	0.0	0.0	0.0
	1.61e-03	8.41e-03	0.0	122,4,0	0.04	2.91e-04	2.91e-04119,120,120			1.00	0.04	0.96
38	0.0	0.03	0.0	0,4,0	0.05	6.22e-04	3.12e-03119,122,122	0.16	119	0.0	0.0	0.0
	1.61e-03	0.01	0.0	122,4,0	0.05	1.77e-04	1.77e-04119,120,120			1.00	0.04	0.96
39	0.0	0.02	0.0	0,4,0	0.05	8.80e-04	3.10e-03119,121,122	0.16	119	0.0	0.0	0.0
	1.55e-03	0.02	0.0	122,4,0	0.05	2.34e-04	2.34e-04119,123,123			1.00	0.04	0.96
40	0.0	0.02	0.0	0,4,0	0.05	1.83e-03	3.35e-03119,122,122	0.16	119	0.0	0.0	0.0
	9.55e-03	0.02	0.0	126,119,0	0.05	1.19e-03	1.19e-03119,121,121			1.00	0.04	0.96
41	0.0	0.02	0.0	0,4,0	0.05	1.83e-03	3.35e-03119,122,122	0.16	119	0.0	0.0	0.0
	9.55e-03	0.02	0.0	126,119,0	0.05	1.19e-03	1.19e-03119,121,121			1.00	0.04	0.96
42	0.0	0.03	0.0	0,4,0	0.04	1.30e-03	4.40e-03119,121,122	0.15	119	0.0	0.0	0.0
	4.22e-03	7.69e-03	0.0	122,119,0	0.04	1.13e-03	1.13e-03119,121,121			1.00	0.04	0.96
43	0.0	0.03	0.0	0,4,0	0.04	1.30e-03	4.11e-03119,121,122	0.15	119	0.0	0.0	0.0
	1.73e-03	4.26e-03	0.0	122,4,0	0.04	1.13e-03	1.13e-03119,121,121			1.00	0.04	0.96
44	0.0	0.03	0.0	0,4,0	0.04	1.06e-03	4.40e-03122,126,122	0.16	122	0.0	0.0	0.0
	4.22e-03	8.22e-03	0.0	122,119,0	0.04	2.91e-04	2.91e-04122,120,120			1.00	0.04	0.96
45	0.0	0.03	0.0	0,4,0	0.05	6.43e-04	4.23e-03122,123,122	0.16	122	0.0	0.0	0.0
	3.57e-03	0.01	0.0	122,4,0	0.05	1.30e-04	1.30e-04122,120,120			1.00	0.04	0.96
46	0.0	0.03	0.0	0,4,0	0.05	9.23e-04	3.65e-03122,125,122	0.17	122	0.0	0.0	0.0
	2.87e-03	0.02	0.0	122,4,0	0.05	2.85e-04	2.85e-04122,120,120			1.00	0.04	0.96
47	0.0	0.02	0.0	0,4,0	0.05	1.92e-03	3.60e-03122,119,119	0.17	122	0.0	0.0	0.0
	9.55e-03	0.02	0.0	126,123,0	0.05	1.09e-03	1.09e-03122,121,121			1.00	0.04	0.96
48	0.0	0.02	0.0	0,4,0	0.05	1.92e-03	3.60e-03122,119,119	0.17	122	0.0	0.0	0.0
	9.55e-03	0.02	0.0	126,123,0	0.05	1.09e-03	1.09e-03122,121,121			1.00	0.04	0.96
49	3.39e-03	0.05	0.0	119,4,0	0.04	1.34e-03	6.84e-03122,122,122	0.15	122	0.86	0.06	0.94
	7.38e-03	8.55e-03	0.0	122,119,0	0.04	1.13e-03	1.13e-03122,121,121			1.00	0.04	0.96
50	3.68e-04	0.05	0.0	119,4,0	0.04	1.34e-03	6.38e-03119,122,122	0.15	119	0.86	0.06	0.94
	3.82e-03	4.73e-03	0.0	122,119,0	0.04	1.13e-03	1.13e-03119,121,121			1.00	0.04	0.96
51	6.63e-03	0.05	0.0	119,4,0	0.05	1.09e-03	7.01e-03122,125,122	0.17	122	0.86	0.06	0.94
	7.38e-03	8.55e-03	0.0	122,119,0	0.05	2.87e-04	2.87e-04122,120,120			1.00	0.04	0.96
52	9.20e-03	0.05	0.0	119,122,0	0.06	6.56e-04	7.01e-03122,124,122	0.18	122	0.86	0.06	0.94
	6.27e-03	9.83e-03	0.0	122,119,0	0.06	1.13e-04	1.13e-04122,120,120			1.00	0.04	0.96
53	0.01	0.06	0.0	119,122,0	0.07	9.65e-04	7.82e-03122,126,126	0.21	122	0.86	0.06	0.94
	5.47e-03	0.01	0.0	122,4,0	0.07	3.21e-04	3.21e-04122,120,120			1.00	0.04	0.96
54	0.02	0.06	0.0	119,122,0	0.10	1.92e-03	8.55e-03122,119,122	0.24	122	0.86	0.06	0.94
	6.10e-03	0.01	0.0	126,123,0	0.10	1.05e-03	1.05e-03122,121,121			1.00	0.04	0.96
55	0.02	0.06	0.0	119,122,0	0.10	1.92e-03	8.55e-03122,119,122	0.24	122	0.86	0.06	0.94
	6.10e-03	0.01	0.0	126,123,0	0.10	1.05e-03	1.05e-03122,121,121			1.00	0.04	0.96
56	3.39e-03	0.07	0.0	119,4,0	0.04	1.41e-03	7.18e-03122,120,126	0.15	122	0.86	0.06	0.94
	8.93e-03	8.55e-03	0.0	122,119,0	0.04	1.13e-03	1.13e-03122,120,120			1.00	0.04	0.96
57	3.68e-04	0.07	0.0	119,4,0	0.04	1.41e-03	7.12e-03 119,120,4	0.15	119	0.86	0.06	0.94
	4.97e-03	4.78e-03	0.0	122,119,0	0.04	1.13e-03	1.13e-03119,120,120			1.00	0.04	0.96
58	6.63e-03	0.07	0.0	119,4,0	0.05	1.16e-03	7.50e-03122,123,122	0.17	122	0.86	0.06	0.94
	8.93e-03	8.55e-03	0.0	122,119,0	0.05	2.84e-04	2.84e-04122,121,121			1.00	0.04	0.96
59	9.20e-03	0.07	0.0	119,4,0	0.06	7.07e-04	7.61e-03122,123,126	0.18	122	0.86	0.06	0.94
	7.30e-03	9.66e-03	0.0	122,119,0	0.06	1.13e-04	1.13e-04122,120,120			1.00	0.04	0.96
60	0.01	0.07	0.0	119,4,0	0.07	9.93e-04	8.92e-03122,119,126	0.21	122	0.86	0.06	0.94
	6.33e-03	0.01	0.0	122,119,0	0.07	4.57e-04	4.57e-04122,120,120			1.00	0.04	0.96
61	0.02	0.07	0.0	119,122,0	0.10	1.88e-03	0.01122,119,122	0.24	122	0.86	0.06	0.94
	6.33e-03	0.01	0.0	122,119,0	0.10	1.03e-03	1.03e-03122,121,121			1.00	0.04	0.96
62	0.02	0.07	0.0	119,122,0	0.10	1.88e-03	0.01122,119,122	0.24	122	0.86	0.06	0.94
	5.82e-03	0.01	0.0	126,123,0	0.10	1.03e-03	1.03e-03122,121,121			1.00	0.04	0.96
70	0.10	0.17	0.0	122,119,0	0.03	2.10e-03	0.02119,120,119	0.13	119	0.86	0.06	0.94
	3.71e-03	2.90e-03	0.0	122,119,0	0.03	1.09e-03	1.09e-03119,120,120			1.00	0.04	0.96

71	0.08	0.15	0.0	122,119,0	0.02	1.85e-03	0.02	119,120,119	0.10	119	0.86	0.06	0.94
	3.71e-03	2.90e-03	0.0	122,119,0	0.02	2.89e-04	2.89e-04	119,121,121			1.00	0.04	0.96
72	0.06	0.14	0.0	122,119,0	0.01	1.43e-03	0.02	122,120,123	0.08	122	0.86	0.06	0.94
	2.11e-03	2.10e-03	0.0	122,119,0	0.01	8.94e-05	8.94e-05	122,120,120			1.00	0.04	0.96
73	0.05	0.12	0.0	122,119,0	7.34e-03	1.36e-03	0.02	122,123,123	0.07	122	0.86	0.06	0.94
	1.12e-03	4.26e-03	0.0	122,4,0	7.34e-03	3.05e-04	3.05e-04	122,120,120			1.00	0.04	0.96
74	0.03	0.11	0.0	122,119,0	5.94e-03	2.11e-03	0.01	122,123,119	0.06	122	0.86	0.06	0.94
	0.0	0.01	0.0	0,4,0	5.94e-03	7.32e-04	7.32e-04	122,121,121			0.0	0.0	0.0
75	0.02	0.10	0.0	122,119,0	5.16e-03	2.11e-03	0.01	122,123,119	0.06	122	0.86	0.06	0.94
	0.0	0.01	0.0	0,4,0	5.16e-03	7.32e-04	7.32e-04	122,121,121			0.0	0.0	0.0
124	0.02	0.08	0.0	119,4,0	0.03	2.09e-03	0.01	122,120,122	0.14	122	0.86	0.06	0.94
	6.33e-03	0.01	0.0	122,119,0	0.03	1.02e-03	1.02e-03	122,121,121			1.00	0.04	0.96
125	0.10	0.17	0.0	122,119,0	0.03	2.10e-03	0.02	119,120,119	0.14	119	0.86	0.06	0.94
	8.35e-03	6.89e-03	0.0	122,119,0	0.03	1.12e-03	1.12e-03	119,120,120			1.00	0.04	0.96
126	0.10	0.17	0.0	122,119,0	0.03	2.10e-03	0.02	119,120,119	0.14	119	0.86	0.06	0.94
	5.14e-03	4.21e-03	0.0	122,119,0	0.03	1.12e-03	1.12e-03	119,120,120			1.00	0.04	0.96
127	0.08	0.15	0.0	122,119,0	0.03	1.85e-03	0.02	119,120,119	0.13	119	0.86	0.06	0.94
	8.35e-03	6.89e-03	0.0	122,119,0	0.03	2.89e-04	2.89e-04	119,121,121			1.00	0.04	0.96
128	0.06	0.14	0.0	122,119,0	0.03	1.43e-03	0.02	122,120,123	0.12	122	0.86	0.06	0.94
	5.74e-03	5.67e-03	0.0	122,119,0	0.03	9.33e-05	9.33e-05	122,120,120			1.00	0.04	0.96
129	0.05	0.12	0.0	122,119,0	0.02	1.36e-03	0.02	122,123,123	0.11	122	0.86	0.06	0.94
	4.29e-03	7.58e-03	0.0	122,119,0	0.02	3.96e-04	3.96e-04	122,120,120			1.00	0.04	0.96
130	0.03	0.11	0.0	122,119,0	0.02	2.11e-03	0.01	122,123,119	0.11	122	0.86	0.06	0.94
	2.81e-03	0.01	0.0	122,4,0	0.02	8.93e-04	8.93e-04	122,121,121			1.00	0.04	0.96
418	0.02	0.08	0.0	119,4,0	0.03	2.09e-03	0.01	122,120,122	0.13	122	0.86	0.06	0.94
	5.18e-03	0.01	0.0	126,123,0	0.03	1.02e-03	1.02e-03	122,121,121			1.00	0.04	0.96
425	0.02	0.10	0.0	122,119,0	0.02	2.11e-03	0.01	122,123,119	0.10	122	0.86	0.06	0.94
	7.41e-04	0.01	0.0	122,4,0	0.02	8.93e-04	8.93e-04	122,121,121			1.00	0.04	0.96
431	0.0	0.09	0.0	0,4,0	0.03	1.41e-03	9.05e-03	119,120,4	0.14	119	0.0	0.0	0.0
	8.93e-03	8.48e-03	0.0	122,119,0	0.03	1.13e-03	1.13e-03	119,120,120			1.00	0.04	0.96
432	0.0	0.09	0.0	0,4,0	0.03	1.41e-03	9.05e-03	119,120,4	0.14	119	0.0	0.0	0.0
	5.14e-03	4.78e-03	0.0	122,119,0	0.03	1.13e-03	1.13e-03	119,120,120			1.00	0.04	0.96
433	0.0	0.08	0.0	0,4,0	0.03	1.16e-03	9.00e-03	122,123,4	0.14	122	0.0	0.0	0.0
	8.93e-03	8.48e-03	0.0	122,119,0	0.03	2.85e-04	2.85e-04	122,121,121			1.00	0.04	0.96
434	0.0	0.08	0.0	0,4,0	0.03	7.07e-04	8.98e-03	122,123,4	0.14	122	0.0	0.0	0.0
	7.30e-03	8.75e-03	0.0	122,119,0	0.03	1.09e-04	1.09e-04	122,120,120			1.00	0.04	0.96
435	8.06e-03	0.08	0.0	119,4,0	0.03	1.18e-03	8.98e-03	122,120,4	0.14	122	0.86	0.06	0.94
	6.33e-03	0.01	0.0	122,119,0	0.03	4.57e-04	4.57e-04	122,120,120			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.10	0.18	0.0		0.14	2.14e-03	0.02		0.29				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
2	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.89	86.6	26	0.74	72.5	26	0.74	1.645e+04	-8.706e+06	111

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
26	0.07	0.20	0.0	122,119,0	0.13	5.92e-03	0.03	119,124,119	0.28	119	0.86	0.06	0.94
	0.01	0.02	0.0	122,119,0	0.13	4.77e-04	4.77e-04	119,123,123			1.00	0.04	0.96
147	0.04	0.09	0.0	112,113,0	0.05	0.01	0.02	122,115,118	0.17	122	0.86	0.06	0.94
	0.02	0.02	0.0	126,123,0	0.05	0.01	0.01	122,112,112			1.00	0.04	0.96
148	0.05	0.09	0.0	112,113,0	0.07	0.01	0.02	122,115,113	0.21	122	0.86	0.06	0.94
	0.02	0.02	0.0	126,123,0	0.07	0.01	0.01	122,112,112			1.00	0.04	0.96
155	0.05	0.09	0.0	112,113,0	0.07	0.01	0.02	122,115,113	0.21	122	0.86	0.06	0.94
	0.02	0.02	0.0	126,123,0	0.07	0.01	0.01	122,112,112			1.00	0.04	0.96
162	0.05	0.06	0.0	115,118,0	0.05	5.49e-03	0.01	119,112,113	0.17	119	0.86	0.06	0.94
	0.02	0.01	0.0	113,112,0	0.05	3.65e-03	3.65e-03	119,120,120			1.00	0.04	0.96
169	0.07	0.07	0.0	115,118,0	0.04	3.07e-03	0.01	119,124,118	0.15	119	0.86	0.06	0.94
	0.02	0.02	0.0	117,116,0	0.04	1.62e-03	1.62e-03	119,118,118			1.00	0.04	0.96
176	0.09	0.09	0.0	115,118,0	0.03	4.70e-03	0.01	119,124,118	0.13	119	0.86	0.06	0.94
	0.02	0.02	0.0	117,116,0	0.03	1.20e-03	1.20e-03	119,115,115			1.00	0.04	0.96
183	0.15	0.13	0.0	111,114,0	0.02	0.01	0.03	131,112,118	0.10	131	0.86	0.06	0.94
	0.02	0.02	0.0	117,116,0	0.02	6.89e-03	6.89e-03	131,112,112			1.00	0.04	0.96
189	0.15	0.13	0.0	111,114,0	0.01	0.01	0.03	129,112,118	0.08	129	0.86	0.06	0.94
	0.02	0.01	0.0	113,112,0	0.01	6.89e-03	6.89e-03	129,112,112			1.00	0.04	0.96
309	0.15	0.13	0.0	111,114,0	0.01	0.01	0.03	129,112,118	0.08	129	0.86	0.06	0.94

310	0.02	0.02	0.0 113,112,0	0.01	0.02	0.02129,112,112			1.00	0.04	0.96
	0.15	0.13	0.0 111,114,0	0.02	0.01	0.03131,112,118	0.10	131	0.86	0.06	0.94
	0.04	0.03	0.0 113,112,0	0.02	0.02	0.02131,112,112			1.00	0.04	0.96
311	0.14	0.12	0.0 115,114,0	0.01	3.60e-03	0.02129,116,118	0.08	129	0.86	0.06	0.94
	0.02	0.02	0.0 113,112,0	0.01	0.02	0.02129,112,112			1.00	0.04	0.96
312	0.14	0.12	0.0 115,114,0	0.02	3.60e-03	0.02131,116,118	0.11	131	0.86	0.06	0.94
	0.05	0.04	0.0 113,112,0	0.02	0.02	0.02131,112,112			1.00	0.04	0.96
313	0.13	0.11	0.0 111,114,0	0.01	8.53e-04	0.02129,115,114	0.08	129	0.86	0.06	0.94
	0.02	0.01	0.0 112,112,0	0.01	0.01	0.01129,112,112			1.00	0.04	0.96
314	0.13	0.11	0.0 111,114,0	0.02	2.14e-03	0.02131,111,114	0.11	131	0.86	0.06	0.94
	0.05	0.04	0.0 113,112,0	0.02	0.01	0.01131,112,112			1.00	0.04	0.96
315	0.11	0.09	0.0 111,114,0	0.01	8.53e-04	0.01129,115,114	0.08	129	0.86	0.06	0.94
	0.02	0.01	0.0 113,112,0	0.01	0.01	0.01129,112,112			1.00	0.04	0.96
316	0.11	0.09	0.0 111,114,0	0.02	2.14e-03	0.01131,111,114	0.11	131	0.86	0.06	0.94
	0.04	0.03	0.0 113,112,0	0.02	0.01	0.01131,112,112			1.00	0.04	0.96
317	0.09	0.08	0.0 115,118,0	0.01	8.29e-03	0.01129,111,114	0.08	129	0.86	0.06	0.94
	0.01	7.84e-03	0.0 112,113,0	0.01	9.44e-03	9.44e-03129,112,112			1.00	0.04	0.96
318	0.09	0.08	0.0 115,118,0	0.02	9.01e-03	0.02131,124,122	0.10	131	0.86	0.06	0.94
	0.04	0.03	0.0 131,131,0	0.02	9.44e-03	9.44e-03131,112,112			1.00	0.04	0.96
319	0.08	0.07	0.0 111,114,0	9.90e-03	9.01e-03	0.02129,124,122	0.08	129	0.86	0.06	0.94
	0.04	0.03	0.0 131,131,0	9.90e-03	9.28e-03	9.28e-03129,138,138			1.00	0.04	0.96
320	0.08	0.07	0.0 111,114,0	0.01	9.01e-03	0.02131,124,122	0.09	131	0.86	0.06	0.94
	0.04	0.03	0.0 131,131,0	0.01	9.28e-03	9.28e-03131,138,138			1.00	0.04	0.96
321	0.09	0.09	0.0 111,118,0	0.03	4.70e-03	0.01119,124,114	0.14	119	0.86	0.06	0.94
	0.05	0.04	0.0 117,116,0	0.03	4.48e-03	4.48e-03119,116,116			1.00	0.04	0.96
322	0.09	0.09	0.0 111,114,0	0.03	3.18e-03	0.01119,116,114	0.14	119	0.86	0.06	0.94
	0.06	0.05	0.0 112,112,0	0.03	8.69e-03	8.69e-03119,116,116			1.00	0.04	0.96
323	0.09	0.08	0.0 111,114,0	0.03	2.80e-03	0.01119,116,114	0.14	119	0.86	0.06	0.94
	0.06	0.05	0.0 112,112,0	0.03	9.18e-03	9.18e-03119,116,116			1.00	0.04	0.96
324	0.08	0.08	0.0 111,114,0	0.03	3.11e-03	0.01119,116,114	0.14	119	0.86	0.06	0.94
	0.06	0.05	0.0 112,113,0	0.03	9.18e-03	9.18e-03119,116,116			1.00	0.04	0.96
325	0.07	0.06	0.0 111,114,0	0.03	3.11e-03	0.01119,116,114	0.14	119	0.86	0.06	0.94
	0.05	0.04	0.0 112,113,0	0.03	7.75e-03	7.75e-03119,112,112			1.00	0.04	0.96
326	0.06	0.06	0.0 111,114,0	0.03	2.25e-03	9.94e-03119,137,117	0.13	119	0.86	0.06	0.94
	0.04	0.03	0.0 112,113,0	0.03	5.74e-03	5.74e-03119,115,115			1.00	0.04	0.96
327	0.07	0.07	0.0 115,118,0	0.04	3.07e-03	0.01119,124,118	0.16	119	0.86	0.06	0.94
	0.05	0.04	0.0 117,116,0	0.04	4.15e-03	4.15e-03119,115,115			1.00	0.04	0.96
328	0.06	0.07	0.0 115,118,0	0.05	2.13e-03	0.01119,120,121	0.17	119	0.86	0.06	0.94
	0.06	0.05	0.0 112,112,0	0.05	4.32e-03	4.32e-03119,112,112			1.00	0.04	0.96
329	0.06	0.06	0.0 115,118,0	0.05	5.08e-03	0.01119,116,114	0.17	119	0.86	0.06	0.94
	0.07	0.05	0.0 116,117,0	0.05	6.15e-03	6.15e-03119,116,116			1.00	0.04	0.96
330	0.05	0.06	0.0 111,114,0	0.05	6.38e-03	0.01119,116,117	0.17	119	0.86	0.06	0.94
	0.07	0.05	0.0 116,117,0	0.05	7.88e-03	7.88e-03119,119,119			1.00	0.04	0.96
331	0.05	0.06	0.0 111,114,0	0.05	6.38e-03	0.01119,116,117	0.17	119	0.86	0.06	0.94
	0.07	0.05	0.0 116,117,0	0.05	7.88e-03	7.88e-03119,119,119			1.00	0.04	0.96
332	0.05	0.05	0.0 111,113,0	0.04	4.27e-03	0.01119,117,117	0.16	119	0.86	0.06	0.94
	0.06	0.04	0.0 116,117,0	0.04	6.62e-03	6.62e-03119,119,119			1.00	0.04	0.96
333	0.05	0.06	0.0 115,113,0	0.05	5.49e-03	0.01119,112,113	0.18	119	0.86	0.06	0.94
	0.04	0.03	0.0 116,116,0	0.06	0.01	0.01119,112,112			1.00	0.04	0.96
334	0.05	0.06	0.0 115,113,0	0.06	2.61e-03	0.01119,113,113	0.19	119	0.86	0.06	0.94
	0.06	0.05	0.0 116,116,0	0.06	0.01	0.01119,112,112			1.00	0.04	0.96
335	0.05	0.06	0.0 115,113,0	0.06	6.34e-03	0.01119,116,114	0.19	119	0.86	0.06	0.94
	0.07	0.05	0.0 116,117,0	0.06	0.01	0.01119,112,112			1.00	0.04	0.96
336	0.04	0.05	0.0 115,118,0	0.06	0.01	0.02119,116,117	0.19	119	0.86	0.06	0.94
	0.08	0.06	0.0 116,117,0	0.06	9.22e-03	9.22e-03119,113,113			1.00	0.04	0.96
337	0.05	0.06	0.0 116,117,0	0.06	0.01	0.03119,116,117	0.19	119	0.86	0.06	0.94
	0.08	0.06	0.0 116,117,0	0.06	0.01	0.01119,119,119			1.00	0.04	0.96
338	0.05	0.06	0.0 116,117,0	0.06	0.01	0.03119,114,117	0.18	119	0.86	0.06	0.94
	0.08	0.06	0.0 111,114,0	0.06	0.01	0.01119,119,119			1.00	0.04	0.96
339	0.05	0.09	0.0 112,113,0	0.08	0.01	0.02122,115,113	0.22	122	0.86	0.06	0.94
	0.02	0.02	0.0 117,115,0	0.08	0.02	0.02122,112,112			1.00	0.04	0.96
340	0.05	0.08	0.0 112,113,0	0.09	2.93e-03	0.01122,116,113	0.23	122	0.86	0.06	0.94
	0.04	0.03	0.0 117,116,0	0.09	0.02	0.02122,112,112			1.00	0.04	0.96
341	0.04	0.07	0.0 112,113,0	0.09	6.34e-03	0.01122,116,113	0.23	122	0.86	0.06	0.94
	0.06	0.04	0.0 116,117,0	0.09	0.02	0.02122,112,112			1.00	0.04	0.96
342	0.03	0.05	0.0 116,117,0	0.09	0.01	0.02122,111,117	0.23	122	0.86	0.06	0.94
	0.08	0.06	0.0 116,117,0	0.09	0.02	0.02122,113,113			1.00	0.04	0.96
343	0.05	0.06	0.0 116,111,0	0.08	0.04	0.07122,114,111	0.22	122	0.86	0.06	0.94
	0.12	0.08	0.0 111,114,0	0.08	0.02	0.02122,113,113			1.00	0.04	0.96
344	0.05	0.06	0.0 116,111,0	0.07	0.04	0.07122,114,111	0.20	122	0.86	0.06	0.94
	0.12	0.08	0.0 111,114,0	0.07	0.01	0.01122,119,119			1.00	0.04	0.96
345	0.05	0.09	0.0 112,113,0	0.08	0.01	0.02122,115,113	0.22	122	0.86	0.06	0.94
	0.03	0.03	0.0 118,115,0	0.08	0.02	0.02122,112,112			1.00	0.04	0.96
346	0.05	0.08	0.0 112,113,0	0.09	2.93e-03	0.01122,116,113	0.23	122	0.86	0.06	0.94
	0.03	0.03	0.0 118,115,0	0.09	0.02	0.02122,112,112			1.00	0.04	0.96

347	0.03	0.07	0.0	112,113,0	0.09	5.22e-03	0.01122,116,113	0.23	122	0.86	0.06	0.94
	0.03	0.02	0.0	116,116,0	0.09	0.02	0.02122,112,112			1.00	0.04	0.96
348	0.02	0.05	0.0	112,113,0	0.09	0.01	0.02122,111,117	0.23	122	0.86	0.06	0.94
	0.07	0.05	0.0	111,114,0	0.09	0.02	0.02122,113,113			1.00	0.04	0.96
349	0.03	0.06	0.0	114,111,0	0.08	0.04	0.07122,114,111	0.22	122	0.86	0.06	0.94
	0.12	0.08	0.0	111,114,0	0.08	0.02	0.02122,113,113			1.00	0.04	0.96
350	0.03	0.06	0.0	114,111,0	0.07	0.04	0.07122,114,111	0.20	122	0.86	0.06	0.94
	0.12	0.08	0.0	111,114,0	0.07	7.12e-03	7.12e-03122,119,119			1.00	0.04	0.96
351	0.04	0.09	0.0	112,113,0	0.05	0.01	0.02122,115,118	0.17	122	0.86	0.06	0.94
	0.03	0.03	0.0	118,115,0	0.05	0.02	0.02122,115,115			1.00	0.04	0.96
352	0.04	0.07	0.0	112,113,0	0.05	2.92e-03	0.01122,116,118	0.17	122	0.86	0.06	0.94
	0.03	0.03	0.0	118,115,0	0.05	0.02	0.02122,115,115			1.00	0.04	0.96
353	0.03	0.06	0.0	112,113,0	0.04	3.94e-03	0.01122,111,114	0.16	122	0.86	0.06	0.94
	0.02	0.02	0.0	118,115,0	0.04	0.01	0.01122,115,115			1.00	0.04	0.96
354	0.01	0.04	0.0	112,113,0	0.04	5.42e-03	0.01122,111,118	0.16	122	0.86	0.06	0.94
	0.05	0.04	0.0	119,122,0	0.04	0.01	0.01122,119,119			1.00	0.04	0.96
355	0.01	0.03	0.0	111,4,0	0.04	5.42e-03	9.05e-03122,111,117	0.15	122	0.86	0.06	0.94
	0.05	0.04	0.0	119,122,0	0.04	0.01	0.01122,119,119			1.00	0.04	0.96
356	9.51e-03	0.03	0.0	111,114,0	0.03	3.42e-03	6.90e-03122,111,114	0.12	122	0.86	0.06	0.94
	0.04	0.03	0.0	119,122,0	0.03	4.11e-03	4.11e-03122,111,111			1.00	0.04	0.96
357	0.01	0.03	0.0	115,118,0	0.05	4.37e-03	8.16e-03122,112,118	0.17	122	0.86	0.06	0.94
	0.02	0.02	0.0	122,119,0	0.05	5.44e-03	5.44e-03122,115,115			1.00	0.04	0.96
358	0.01	0.03	0.0	3,118,0	0.05	4.37e-03	8.16e-03122,112,118	0.17	122	0.86	0.06	0.94
	0.02	0.02	0.0	122,119,0	0.05	1.56e-03	1.56e-03122,115,115			1.00	0.04	0.96
359	0.02	0.03	0.0	115,118,0	0.05	1.99e-03	7.65e-03122,118,118	0.17	122	0.86	0.06	0.94
	0.01	0.02	0.0	122,119,0	0.05	5.82e-03	5.82e-03122,115,115			1.00	0.04	0.96
360	0.02	0.03	0.0	115,118,0	0.04	3.16e-03	7.51e-03122,111,118	0.16	122	0.86	0.06	0.94
	0.01	0.02	0.0	122,119,0	0.04	5.82e-03	5.82e-03122,115,115			1.00	0.04	0.96
361	0.01	0.03	0.0	111,114,0	0.04	3.16e-03	6.52e-03122,111,114	0.16	122	0.86	0.06	0.94
	0.03	0.03	0.0	119,122,0	0.04	4.47e-03	4.47e-03122,119,119			1.00	0.04	0.96
362	0.01	0.03	0.0	111,114,0	0.04	3.42e-03	6.90e-03122,111,114	0.15	122	0.86	0.06	0.94
	0.03	0.03	0.0	119,122,0	0.04	4.47e-03	4.47e-03122,119,119			1.00	0.04	0.96
363	9.51e-03	0.03	0.0	111,114,0	0.03	3.42e-03	6.90e-03122,111,114	0.12	122	0.86	0.06	0.94
	0.03	0.03	0.0	119,122,0	0.03	4.11e-03	4.11e-03122,111,111			1.00	0.04	0.96
364	0.02	2.26e-03	0.0	3,126,0	0.03	1.99e-03	1.99e-03122,119,119	0.14	122	0.86	0.06	0.94
	0.02	0.02	0.0	122,119,0	0.03	1.37e-03	1.37e-03122,111,111			1.00	0.04	0.96
365	0.02	0.0	0.0	3,0,0	0.03	1.99e-03	1.99e-03122,119,119	0.14	122	0.86	0.06	0.94
	0.02	0.02	0.0	122,119,0	0.03	6.63e-04	6.63e-04122,117,117			1.00	0.04	0.96
366	0.01	8.49e-03	0.0	119,122,0	0.03	1.39e-03	3.42e-03122,122,122	0.14	122	0.86	0.06	0.94
	0.01	0.02	0.0	122,119,0	0.03	1.71e-03	1.71e-03122,111,111			1.00	0.04	0.96
367	0.01	0.01	0.0	119,122,0	0.03	1.68e-03	4.20e-03122,111,114	0.14	122	0.86	0.06	0.94
	0.01	0.02	0.0	122,119,0	0.03	1.71e-03	1.71e-03122,111,111			1.00	0.04	0.96
368	8.73e-03	0.01	0.0	119,11,0	0.03	1.68e-03	4.20e-03122,111,114	0.14	122	0.86	0.06	0.94
	0.02	0.03	0.0	119,122,0	0.03	1.64e-03	1.64e-03122,119,119			1.00	0.04	0.96
369	5.43e-03	0.02	0.0	119,11,0	0.03	2.44e-03	4.13e-03122,111,122	0.14	122	0.86	0.06	0.94
	0.03	0.03	0.0	119,122,0	0.03	1.64e-03	1.64e-03122,119,119			1.00	0.04	0.96
370	0.0	0.02	0.0	0,11,0	0.02	2.44e-03	4.13e-03122,111,122	0.12	122	0.0	0.0	0.0
	0.03	0.03	0.0	119,122,0	0.02	1.59e-03	1.59e-03122,118,118			1.00	0.04	0.96
371	0.02	0.01	0.0	3,11,0	0.03	2.41e-03	4.22e-03119,119,119	0.14	119	0.86	0.06	0.94
	0.03	0.03	0.0	122,119,0	0.03	2.04e-03	2.04e-03119,111,111			1.00	0.04	0.96
372	0.02	0.01	0.0	3,122,0	0.03	2.41e-03	4.00e-03119,119,122	0.13	119	0.86	0.06	0.94
	0.03	0.03	0.0	122,119,0	0.03	1.41e-03	1.41e-03119,112,112			1.00	0.04	0.96
373	0.01	0.02	0.0	119,119,0	0.03	1.65e-03	4.94e-03119,119,119	0.14	119	0.86	0.06	0.94
	0.01	0.02	0.0	122,119,0	0.03	2.19e-03	2.19e-03119,111,111			1.00	0.04	0.96
374	8.46e-03	0.03	0.0	119,119,0	0.03	7.66e-04	5.63e-03119,119,119	0.14	119	0.86	0.06	0.94
	0.01	0.02	0.0	122,119,0	0.03	2.19e-03	2.19e-03119,111,111			1.00	0.04	0.96
375	5.89e-03	0.04	0.0	122,4,0	0.03	1.75e-03	6.65e-03119,119,119	0.14	119	0.86	0.06	0.94
	0.02	0.03	0.0	119,122,0	0.03	1.35e-03	1.35e-03119,111,111			1.00	0.04	0.96
376	1.99e-03	0.04	0.0	122,4,0	0.03	2.64e-03	6.65e-03119,119,119	0.13	119	0.86	0.06	0.94
	0.03	0.03	0.0	119,122,0	0.03	1.59e-03	1.59e-03119,118,118			1.00	0.04	0.96
377	0.0	0.04	0.0	0,4,0	0.02	2.64e-03	6.28e-03122,119,119	0.10	122	0.0	0.0	0.0
	0.03	0.03	0.0	119,122,0	0.02	1.59e-03	1.59e-03122,118,118			1.00	0.04	0.96
378	0.07	0.20	0.0	122,119,0	0.13	5.92e-03	0.03119,124,119	0.28	119	0.86	0.06	0.94
	0.03	0.03	0.0	122,119,0	0.13	2.04e-03	2.04e-03119,111,111			1.00	0.04	0.96
379	0.07	0.20	0.0	122,119,0	0.13	5.92e-03	0.03119,124,119	0.28	119	0.86	0.06	0.94
	0.03	0.03	0.0	122,119,0	0.13	1.41e-03	1.41e-03119,112,112			1.00	0.04	0.96
380	0.05	0.18	0.0	122,119,0	0.07	3.86e-03	0.03119,124,119	0.20	119	0.86	0.06	0.94
	8.06e-03	0.02	0.0	122,119,0	0.07	2.19e-03	2.19e-03119,111,111			1.00	0.04	0.96
381	0.04	0.15	0.0	122,119,0	0.04	1.95e-03	0.02119,126,119	0.15	119	0.86	0.06	0.94
	8.66e-03	0.01	0.0	122,119,0	0.04	2.19e-03	2.19e-03119,111,111			1.00	0.04	0.96
382	0.03	0.13	0.0	122,119,0	0.03	1.83e-03	0.02119,124,119	0.14	119	0.86	0.06	0.94
	0.02	0.03	0.0	119,122,0	0.03	1.35e-03	1.35e-03119,111,111			1.00	0.04	0.96
383	0.01	0.11	0.0	122,4,0	0.03	3.12e-03	0.02119,119,119	0.13	119	0.86	0.06	0.94
	0.03	0.04	0.0	119,122,0	0.03	1.01e-03	1.01e-03119,114,114			1.00	0.04	0.96
384	4.03e-03	0.09	0.0	122,4,0	0.02	3.12e-03	0.01119,119,119	0.10	119	0.86	0.06	0.94

385	0.03	0.04	0.0	119,122,0	0.02	1.01e-03	1.01e-03	119,114,114		1.00	0.04	0.96	
	0.07	0.20	0.0	122,119,0	0.13	5.92e-03	0.03	119,124,119	0.28	119	0.86	0.06	0.94
	0.01	0.02	0.0	122,119,0	0.13	1.66e-03	1.66e-03	119,112,112		1.00	0.04	0.96	
386	0.05	0.18	0.0	122,119,0	0.07	3.86e-03	0.03	119,124,119	0.20	119	0.86	0.06	0.94
	1.07e-03	8.25e-03	0.0	122,4,0	0.07	1.66e-03	1.66e-03	119,112,112		1.00	0.04	0.96	
387	0.04	0.15	0.0	122,119,0	0.04	1.95e-03	0.02	119,126,119	0.15	119	0.86	0.06	0.94
	6.45e-03	9.70e-03	0.0	122,119,0	0.04	1.16e-03	1.16e-03	119,112,112		1.00	0.04	0.96	
388	0.03	0.13	0.0	122,119,0	0.02	1.83e-03	0.02	119,124,119	0.11	119	0.86	0.06	0.94
	0.02	0.03	0.0	119,122,0	0.02	6.62e-04	6.62e-04	119,116,116		1.00	0.04	0.96	
389	0.01	0.11	0.0	122,4,0	0.02	3.12e-03	0.02	119,119,119	0.10	119	0.86	0.06	0.94
	0.03	0.04	0.0	119,122,0	0.02	9.73e-04	9.73e-04	119,114,114		1.00	0.04	0.96	
390	4.03e-03	0.09	0.0	122,4,0	3.13e-03	3.12e-03	0.01	119,119,119	0.04	119	0.86	0.06	0.94
	0.03	0.04	0.0	119,122,0	3.11e-03	9.73e-04	9.73e-04	119,114,114		1.00	0.04	0.96	
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.15	0.20	0.0		0.13	0.04	0.07		0.28				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
3	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb			
ok	0.55	-78.5	29	0.55	-78.9	29	0.39	-1.074e+04	2.064e+06	124			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
12	0.0	0.15	0.0	0,4,0	0.04	1.35e-03	0.02	125,122,4	0.14	125	0.0	0.0	0.0
	2.15e-04	1.18e-03	0.0	121,120,0	0.04	1.10e-03	1.10e-03	125,121,121		1.00	0.04	0.96	
14	0.10	0.17	0.0	124,125,0	0.03	2.10e-03	0.02	125,121,125	0.13	125	0.86	0.06	0.94
	2.40e-03	1.95e-03	0.0	124,125,0	0.03	1.09e-03	1.09e-03	125,121,121		1.00	0.04	0.96	
63	0.10	0.17	0.0	124,125,0	0.03	2.10e-03	0.02	125,121,125	0.14	125	0.86	0.06	0.94
	5.14e-03	4.20e-03	0.0	124,125,0	0.03	1.12e-03	1.12e-03	125,121,121		1.00	0.04	0.96	
65	0.08	0.15	0.0	124,125,0	0.03	1.85e-03	0.02	125,121,125	0.13	125	0.86	0.06	0.94
	8.35e-03	6.90e-03	0.0	124,125,0	0.03	2.89e-04	2.89e-04	125,120,120		1.00	0.04	0.96	
66	0.06	0.14	0.0	124,125,0	0.03	1.43e-03	0.02	124,121,121	0.12	124	0.86	0.06	0.94
	5.74e-03	5.66e-03	0.0	124,125,0	0.03	9.12e-05	9.12e-05	124,126,126		1.00	0.04	0.96	
67	0.05	0.12	0.0	124,125,0	0.02	1.36e-03	0.02	124,121,121	0.11	124	0.86	0.06	0.94
	4.29e-03	7.62e-03	0.0	124,125,0	0.02	3.95e-04	3.95e-04	124,121,121		1.00	0.04	0.96	
68	0.03	0.11	0.0	124,125,0	0.02	2.11e-03	0.01	124,126,125	0.11	124	0.86	0.06	0.94
	2.86e-03	0.01	0.0	124,4,0	0.02	8.94e-04	8.94e-04	124,120,120		1.00	0.04	0.96	
69	0.02	0.10	0.0	124,125,0	0.02	2.11e-03	0.01	124,126,125	0.10	124	0.86	0.06	0.94
	8.04e-04	0.01	0.0	124,4,0	0.02	8.94e-04	8.94e-04	124,120,120		1.00	0.04	0.96	
76	0.0	0.15	0.0	0,4,0	0.04	1.35e-03	0.02	125,122,4	0.15	125	0.0	0.0	0.0
	2.15e-04	2.28e-03	0.0	121,4,0	0.04	1.10e-03	1.10e-03	125,121,121		1.00	0.04	0.96	
77	0.0	0.15	0.0	0,4,0	0.05	1.35e-03	0.02	125,122,4	0.17	125	0.0	0.0	0.0
	2.15e-04	5.68e-03	0.0	121,4,0	0.05	1.13e-03	1.13e-03	125,121,121		1.00	0.04	0.96	
78	0.0	0.15	0.0	0,4,0	0.04	1.35e-03	0.02	125,122,4	0.15	125	0.0	0.0	0.0
	2.15e-04	3.61e-03	0.0	121,4,0	0.04	1.13e-03	1.13e-03	125,121,121		1.00	0.04	0.96	
79	0.0	0.16	0.0	0,4,0	0.04	1.18e-03	0.02	125,122,4	0.16	125	0.0	0.0	0.0
	0.0	3.77e-03	0.0	0,4,0	0.04	2.92e-04	2.92e-04	125,120,120		1.00	0.04	0.96	
80	0.0	0.16	0.0	0,4,0	0.05	1.18e-03	0.02	125,122,4	0.18	125	0.0	0.0	0.0
	0.0	7.36e-03	0.0	0,4,0	0.05	2.92e-04	2.92e-04	125,120,120		1.00	0.04	0.96	
81	0.0	0.16	0.0	0,4,0	0.06	9.29e-04	0.02	125,120,4	0.18	125	0.0	0.0	0.0
	0.0	7.04e-03	0.0	0,4,0	0.06	1.20e-04	1.20e-04	125,120,120		1.00	0.04	0.96	
82	0.0	0.16	0.0	0,4,0	0.06	9.29e-04	0.02	125,120,4	0.19	125	0.0	0.0	0.0
	3.97e-04	0.01	0.0	124,4,0	0.06	1.48e-04	1.48e-04	125,121,121		1.00	0.04	0.96	
83	0.01	0.16	0.0	124,4,0	0.09	1.33e-03	0.02	125,121,125	0.23	125	0.86	0.06	0.94
	0.0	0.01	0.0	0,4,0	0.09	2.15e-04	2.15e-04	125,123,123		1.00	0.04	0.96	
84	0.01	0.16	0.0	124,4,0	0.09	1.33e-03	0.02	125,121,125	0.23	125	0.86	0.06	0.94
	3.97e-04	0.02	0.0	124,4,0	0.09	2.15e-04	2.15e-04	125,123,123		1.00	0.04	0.96	
85	0.04	0.18	0.0	124,125,0	0.15	2.09e-03	0.02	125,126,125	0.29	125	0.86	0.06	0.94
	3.48e-03	0.02	0.0	124,4,0	0.15	1.19e-03	1.19e-03	125,121,121		1.00	0.04	0.96	
86	0.04	0.18	0.0	124,125,0	0.15	2.09e-03	0.02	125,126,125	0.29	125	0.86	0.06	0.94
	9.84e-03	0.02	0.0	124,4,0	0.15	1.42e-03	1.42e-03	125,120,120		1.00	0.04	0.96	
87	0.04	0.18	0.0	124,125,0	0.15	2.09e-03	0.02	125,126,125	0.29	125	0.86	0.06	0.94
	3.48e-03	0.02	0.0	124,4,0	0.15	1.19e-03	1.19e-03	125,121,121		1.00	0.04	0.96	
88	0.04	0.18	0.0	124,125,0	0.15	2.09e-03	0.02	125,126,125	0.29	125	0.86	0.06	0.94
	9.84e-03	0.02	0.0	124,4,0	0.15	1.42e-03	1.42e-03	125,120,120		1.00	0.04	0.96	
89	0.0	0.07	0.0	0,4,0	0.05	1.28e-03	7.13e-03	125,121,4	0.17	125	0.0	0.0	0.0
	0.0	6.90e-03	0.0	0,4,0	0.05	1.13e-03	1.13e-03	125,121,121		1.00	0.04	0.96	

90	0.0	0.07	0.0	0,4,0	0.04	1.28e-03	7.13e-03	125,121,4	0.15	125	0.0	0.0	0.0
	0.0	4.46e-03	0.0	0,4,0	0.04	1.13e-03	1.13e-03	125,121,121			0.0	0.0	0.0
91	0.0	0.07	0.0	0,4,0	0.05	1.05e-03	6.97e-03	125,123,4	0.18	125	0.0	0.0	0.0
	5.50e-04	8.41e-03	0.0	124,4,0	0.05	2.88e-04	2.88e-04	125,121,121			1.00	0.04	0.96
92	0.0	0.06	0.0	0,4,0	0.06	6.95e-04	6.73e-03	125,123,4	0.19	125	0.0	0.0	0.0
	5.81e-04	0.01	0.0	124,4,0	0.06	1.57e-04	1.57e-04	125,126,126			1.00	0.04	0.96
93	0.0	0.06	0.0	0,4,0	0.06	8.89e-04	6.44e-03	125,123,4	0.19	125	0.0	0.0	0.0
	5.81e-04	0.02	0.0	124,4,0	0.06	1.71e-04	1.71e-04	125,120,120			1.00	0.04	0.96
94	0.0	0.06	0.0	0,4,0	0.06	1.65e-03	6.30e-03	125,120,4	0.19	125	0.0	0.0	0.0
	9.84e-03	0.02	0.0	124,125,0	0.06	1.42e-03	1.42e-03	125,120,120			1.00	0.04	0.96
95	0.0	0.06	0.0	0,4,0	0.06	1.65e-03	6.30e-03	125,120,4	0.19	125	0.0	0.0	0.0
	9.84e-03	0.02	0.0	124,125,0	0.06	1.42e-03	1.42e-03	125,120,120			1.00	0.04	0.96
96	0.0	0.03	0.0	0,4,0	0.04	1.26e-03	3.19e-03	125,124,125	0.16	125	0.0	0.0	0.0
	1.42e-03	6.90e-03	0.0	124,4,0	0.04	1.13e-03	1.13e-03	125,121,121			1.00	0.04	0.96
97	0.0	0.03	0.0	0,4,0	0.04	1.26e-03	3.10e-03	125,124,124	0.15	125	0.0	0.0	0.0
	0.0	4.46e-03	0.0	0,4,0	0.04	1.13e-03	1.13e-03	125,121,121			0.0	0.0	0.0
98	0.0	0.03	0.0	0,4,0	0.04	1.02e-03	3.19e-03	125,124,125	0.16	125	0.0	0.0	0.0
	1.60e-03	8.41e-03	0.0	124,4,0	0.04	2.88e-04	2.88e-04	125,121,121			1.00	0.04	0.96
99	0.0	0.03	0.0	0,4,0	0.05	6.22e-04	3.13e-03	125,124,124	0.16	125	0.0	0.0	0.0
	1.60e-03	0.01	0.0	124,4,0	0.05	1.57e-04	1.57e-04	125,126,126			1.00	0.04	0.96
100	0.0	0.02	0.0	0,4,0	0.05	9.50e-04	3.12e-03	125,124,124	0.16	125	0.0	0.0	0.0
	1.43e-03	0.02	0.0	124,4,0	0.05	2.21e-04	2.21e-04	125,121,121			1.00	0.04	0.96
101	0.0	0.02	0.0	0,4,0	0.05	1.82e-03	3.20e-03	125,119,124	0.16	125	0.0	0.0	0.0
	9.81e-03	0.02	0.0	120,125,0	0.05	1.23e-03	1.23e-03	125,123,123			1.00	0.04	0.96
102	0.0	0.02	0.0	0,4,0	0.05	1.82e-03	3.20e-03	125,119,124	0.16	125	0.0	0.0	0.0
	9.81e-03	0.02	0.0	120,125,0	0.05	1.23e-03	1.23e-03	125,123,123			1.00	0.04	0.96
103	0.0	0.03	0.0	0,4,0	0.04	1.30e-03	4.40e-03	125,120,124	0.15	125	0.0	0.0	0.0
	4.20e-03	7.68e-03	0.0	124,125,0	0.04	1.13e-03	1.13e-03	125,121,121			1.00	0.04	0.96
104	0.0	0.03	0.0	0,4,0	0.04	1.30e-03	4.11e-03	125,120,124	0.15	125	0.0	0.0	0.0
	1.73e-03	4.26e-03	0.0	124,4,0	0.04	1.13e-03	1.13e-03	125,121,121			1.00	0.04	0.96
105	0.0	0.03	0.0	0,4,0	0.04	1.06e-03	4.40e-03	124,123,124	0.16	124	0.0	0.0	0.0
	4.20e-03	8.20e-03	0.0	124,125,0	0.04	2.88e-04	2.88e-04	124,121,121			1.00	0.04	0.96
106	0.0	0.03	0.0	0,4,0	0.05	6.41e-04	4.23e-03	124,123,124	0.16	124	0.0	0.0	0.0
	3.54e-03	0.01	0.0	124,4,0	0.05	1.34e-04	1.34e-04	124,126,126			1.00	0.04	0.96
107	0.0	0.03	0.0	0,4,0	0.05	9.87e-04	3.66e-03	124,124,124	0.17	124	0.0	0.0	0.0
	2.80e-03	0.02	0.0	124,4,0	0.05	2.79e-04	2.79e-04	124,121,121			1.00	0.04	0.96
108	0.0	0.02	0.0	0,4,0	0.05	1.91e-03	3.54e-03	124,122,122	0.17	124	0.0	0.0	0.0
	9.81e-03	0.02	0.0	120,121,0	0.05	1.11e-03	1.11e-03	124,123,123			1.00	0.04	0.96
109	0.0	0.02	0.0	0,4,0	0.05	1.91e-03	3.54e-03	124,122,122	0.17	124	0.0	0.0	0.0
	9.81e-03	0.02	0.0	120,121,0	0.05	1.11e-03	1.11e-03	124,123,123			1.00	0.04	0.96
110	3.42e-03	0.05	0.0	125,4,0	0.04	1.34e-03	6.84e-03	124,119,124	0.15	124	0.86	0.06	0.94
	7.35e-03	8.53e-03	0.0	124,125,0	0.04	1.13e-03	1.13e-03	124,121,121			1.00	0.04	0.96
111	3.93e-04	0.05	0.0	125,4,0	0.04	1.34e-03	6.38e-03	125,119,124	0.15	125	0.86	0.06	0.94
	3.82e-03	4.73e-03	0.0	124,125,0	0.04	1.13e-03	1.13e-03	125,121,121			1.00	0.04	0.96
112	6.65e-03	0.05	0.0	125,4,0	0.05	1.09e-03	7.01e-03	124,124,124	0.17	124	0.86	0.06	0.94
	7.35e-03	8.53e-03	0.0	124,125,0	0.05	2.86e-04	2.86e-04	124,121,121			1.00	0.04	0.96
113	9.22e-03	0.05	0.0	125,124,0	0.06	6.54e-04	7.01e-03	124,122,124	0.18	124	0.86	0.06	0.94
	6.25e-03	9.78e-03	0.0	124,125,0	0.06	1.08e-04	1.08e-04	124,126,126			1.00	0.04	0.96
114	0.01	0.06	0.0	125,124,0	0.07	9.87e-04	7.82e-03	124,124,120	0.21	124	0.86	0.06	0.94
	5.43e-03	0.01	0.0	124,4,0	0.07	3.19e-04	3.19e-04	124,121,121			1.00	0.04	0.96
115	0.02	0.06	0.0	125,124,0	0.10	1.91e-03	8.55e-03	124,122,124	0.24	124	0.86	0.06	0.94
	6.29e-03	0.01	0.0	120,121,0	0.10	1.05e-03	1.05e-03	124,120,120			1.00	0.04	0.96
116	0.02	0.06	0.0	125,124,0	0.10	1.91e-03	8.55e-03	124,122,124	0.24	124	0.86	0.06	0.94
	6.29e-03	0.01	0.0	120,121,0	0.10	1.05e-03	1.05e-03	124,120,120			1.00	0.04	0.96
117	3.42e-03	0.07	0.0	125,4,0	0.04	1.41e-03	7.22e-03	124,121,124	0.15	124	0.86	0.06	0.94
	8.91e-03	8.53e-03	0.0	124,125,0	0.04	1.13e-03	1.13e-03	124,121,121			1.00	0.04	0.96
118	3.93e-04	0.07	0.0	125,4,0	0.04	1.41e-03	7.12e-03	125,121,4	0.15	125	0.86	0.06	0.94
	4.98e-03	4.78e-03	0.0	124,125,0	0.04	1.13e-03	1.13e-03	125,121,121			1.00	0.04	0.96
119	6.65e-03	0.07	0.0	125,4,0	0.05	1.16e-03	7.50e-03	124,126,124	0.17	124	0.86	0.06	0.94
	8.91e-03	8.53e-03	0.0	124,125,0	0.05	2.85e-04	2.85e-04	124,120,120			1.00	0.04	0.96
120	9.22e-03	0.07	0.0	125,4,0	0.06	7.07e-04	7.61e-03	124,126,120	0.18	124	0.86	0.06	0.94
	7.29e-03	9.64e-03	0.0	124,125,0	0.06	1.08e-04	1.08e-04	124,126,126			1.00	0.04	0.96
121	0.01	0.07	0.0	125,4,0	0.07	9.92e-04	8.93e-03	124,122,120	0.21	124	0.86	0.06	0.94
	6.42e-03	0.01	0.0	124,125,0	0.07	4.57e-04	4.57e-04	124,121,121			1.00	0.04	0.96
122	0.02	0.07	0.0	125,124,0	0.10	1.88e-03	0.01	124,122,124	0.24	124	0.86	0.06	0.94
	6.42e-03	0.01	0.0	124,125,0	0.10	1.03e-03	1.03e-03	124,120,120			1.00	0.04	0.96
123	0.02	0.07	0.0	125,124,0	0.10	1.88e-03	0.01	124,122,124	0.24	124	0.86	0.06	0.94
	5.97e-03	0.01	0.0	120,121,0	0.10	1.03e-03	1.03e-03	124,120,120			1.00	0.04	0.96
131	0.10	0.17	0.0	124,125,0	0.03	2.10e-03	0.02	125,121,125	0.13	125	0.86	0.06	0.94
	3.71e-03	2.90e-03	0.0	124,125,0	0.03	1.09e-03	1.09e-03	125,121,121			1.00	0.04	0.96
132	0.08	0.15	0.0	124,125,0	0.02	1.85e-03	0.02	125,121,125	0.10	125	0.86	0.06	0.94
	3.71e-03	2.90e-03	0.0	124,125,0	0.02	2.89e-04	2.89e-04	125,120,120			1.00	0.04	0.96
133	0.06	0.14	0.0	124,125,0	0.01	1.43e-03	0.02	124,121,121	0.08	124	0.86	0.06	0.94
	2.11e-03	2.10e-03	0.0	124,125,0	0.01	8.88e-05	8.88e-05	124,121,121			1.00	0.04	0.96
134	0.05	0.12	0.0	124,125,0	7.34e-03	1.36e-03	0.02	124,121,121	0.07	124	0.86	0.06	0.94

135	1.12e-03	4.26e-03	0.0	124,4,0	7.34e-03	3.05e-04	3.05e-04	124,121,121	0.06	124	1.00	0.04	0.96
	0.03	0.11	0.0	124,125,0	5.93e-03	2.11e-03	0.01	124,126,125			0.86	0.06	0.94
	0.0	0.01	0.0	0,4,0	5.93e-03	7.32e-04	7.32e-04	120,120			0.0	0.0	0.0
136	0.02	0.10	0.0	124,125,0	5.13e-03	2.11e-03	0.01	124,126,125	0.05	124	0.86	0.06	0.94
	0.0	0.01	0.0	0,4,0	5.13e-03	7.32e-04	7.32e-04	120,120			0.0	0.0	0.0
436	0.0	0.09	0.0	0,4,0	0.03	1.41e-03	9.05e-03	125,121,4	0.14	125	0.0	0.0	0.0
437	8.91e-03	8.46e-03	0.0	124,125,0	0.03	1.13e-03	1.13e-03	125,121,121			1.00	0.04	0.96
	0.0	0.09	0.0	0,4,0	0.03	1.41e-03	9.05e-03	125,121,4	0.14	125	0.0	0.0	0.0
438	5.14e-03	4.78e-03	0.0	124,125,0	0.03	1.13e-03	1.13e-03	125,121,121			1.00	0.04	0.96
	0.0	0.08	0.0	0,4,0	0.03	1.16e-03	9.00e-03	124,126,4	0.14	124	0.0	0.0	0.0
439	8.91e-03	8.46e-03	0.0	124,125,0	0.03	2.86e-04	2.86e-04	124,120,120			1.00	0.04	0.96
	0.0	0.08	0.0	0,4,0	0.03	7.07e-04	8.98e-03	124,126,4	0.14	124	0.0	0.0	0.0
440	7.29e-03	8.73e-03	0.0	124,125,0	0.03	1.05e-04	1.05e-04	126,126			1.00	0.04	0.96
	8.10e-03	0.08	0.0	125,4,0	0.03	1.18e-03	8.98e-03	124,121,4	0.14	124	0.86	0.06	0.94
441	6.42e-03	0.01	0.0	124,125,0	0.03	4.57e-04	4.57e-04	121,121			1.00	0.04	0.96
	0.02	0.08	0.0	125,4,0	0.03	2.09e-03	0.01	124,124	0.14	124	0.86	0.06	0.94
442	6.42e-03	0.01	0.0	124,125,0	0.03	1.02e-03	1.02e-03	120,120			1.00	0.04	0.96
	0.02	0.08	0.0	125,4,0	0.03	2.09e-03	0.01	124,121,124	0.13	124	0.86	0.06	0.94
443	5.30e-03	0.01	0.0	120,121,0	0.03	1.02e-03	1.02e-03	120,120			1.00	0.04	0.96
	0.10	0.17	0.0	124,125,0	0.03	2.10e-03	0.02	125,121,125	0.14	125	0.86	0.06	0.94
	8.35e-03	6.90e-03	0.0	124,125,0	0.03	1.12e-03	1.12e-03	125,121,121			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.10	0.18	0.0		0.15	2.11e-03	0.02		0.29				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
4	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.34	57.9	26	0.34	58.6	26	1.00	4.115e+04	-2.937e+06	115

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1	0.30	0.28	0.0	115,118,0	0.02	0.02	0.07	122,118,118	0.11	122	0.86	0.06	0.94
	0.02	0.01	0.0	115,118,0	0.02	0.01	0.01	122,118,118			1.00	0.04	0.96
6	0.13	0.19	0.0	112,113,0	0.04	0.03	0.06	122,113,113	0.15	122	0.86	0.06	0.94
	0.02	0.02	0.0	118,115,0	0.04	0.02	0.02	122,113,113			1.00	0.04	0.96
9	0.08	0.18	0.0	112,113,0	0.02	0.03	0.06	122,113,113	0.12	122	0.86	0.06	0.94
	0.02	0.02	0.0	118,115,0	0.02	0.01	0.01	122,118,118			1.00	0.04	0.96
137	0.10	0.20	0.0	112,113,0	0.02	0.03	0.06	122,113,113	0.12	122	0.86	0.06	0.94
	0.03	0.02	0.0	118,115,0	0.02	0.02	0.02	122,113,113			1.00	0.04	0.96
138	0.13	0.20	0.0	112,113,0	0.06	0.03	0.06	122,113,113	0.19	122	0.86	0.06	0.94
	0.03	0.02	0.0	118,115,0	0.06	0.04	0.04	122,118,118			1.00	0.04	0.96
139	0.10	0.20	0.0	112,113,0	0.01	7.61e-03	0.05	134,121,113	0.09	134	0.86	0.06	0.94
	0.03	0.02	0.0	118,115,0	0.01	0.02	0.02	134,113,113			1.00	0.04	0.96
140	0.13	0.20	0.0	112,113,0	0.07	7.61e-03	0.05	122,121,113	0.21	122	0.86	0.06	0.94
	0.03	0.02	0.0	118,115,0	0.07	0.04	0.04	122,118,118			1.00	0.04	0.96
141	0.10	0.20	0.0	112,113,0	0.01	7.26e-03	0.04	134,115,113	0.09	134	0.86	0.06	0.94
	0.01	0.01	0.0	118,115,0	0.01	8.07e-03	8.07e-03	134,113,113			1.00	0.04	0.96
142	0.12	0.20	0.0	112,113,0	0.08	7.26e-03	0.04	122,115,113	0.22	122	0.86	0.06	0.94
	0.01	0.01	0.0	118,118,0	0.08	0.03	0.03	122,118,118			1.00	0.04	0.96
143	0.09	0.19	0.0	112,113,0	0.02	0.01	0.04	134,113,113	0.09	134	0.86	0.06	0.94
	6.24e-03	0.01	0.0	116,117,0	0.02	7.27e-03	7.27e-03	134,117,117			1.00	0.04	0.96
144	0.10	0.19	0.0	112,113,0	0.09	0.01	0.04	122,113,113	0.23	122	0.86	0.06	0.94
	0.01	0.01	0.0	115,117,0	0.09	0.02	0.02	122,113,113			1.00	0.04	0.96
145	0.07	0.17	0.0	116,117,0	0.02	0.02	0.04	134,113,113	0.11	134	0.86	0.06	0.94
	6.24e-03	0.02	0.0	116,4,0	0.02	7.61e-03	7.61e-03	134,121,121			1.00	0.04	0.96
146	0.08	0.17	0.0	112,117,0	0.09	0.02	0.04	122,113,113	0.23	122	0.86	0.06	0.94
	6.24e-03	0.02	0.0	116,4,0	0.09	0.02	0.02	122,113,113			1.00	0.04	0.96
147	0.04	0.14	0.0	112,113,0	0.02	0.02	0.04	134,113,113	0.11	134	0.86	0.06	0.94
	2.11e-03	0.02	0.0	121,4,0	0.02	7.61e-03	7.61e-03	134,121,121			1.00	0.04	0.96
148	0.04	0.14	0.0	112,113,0	0.08	0.02	0.04	122,113,113	0.22	122	0.86	0.06	0.94
	2.11e-03	0.02	0.0	121,4,0	0.08	7.61e-03	7.61e-03	122,121,121			1.00	0.04	0.96
149	0.13	0.19	0.0	112,113,0	0.06	0.02	0.06	122,113,113	0.19	122	0.86	0.06	0.94
	0.06	0.04	0.0	115,118,0	0.06	0.04	0.04	122,118,118			1.00	0.04	0.96
150	0.13	0.19	0.0	112,113,0	0.04	0.02	0.06	122,113,113	0.15	122	0.86	0.06	0.94
	0.03	0.02	0.0	115,118,0	0.04	0.02	0.02	122,113,113			1.00	0.04	0.96
151	0.13	0.19	0.0	112,113,0	0.07	7.51e-03	0.04	122,113,113	0.21	122	0.86	0.06	0.94
	0.06	0.05	0.0	115,118,0	0.07	0.04	0.04	122,118,118			1.00	0.04	0.96

152	0.12	0.18	0.0 112,113,0	0.08	4.39e-03	0.03122,115,113	0.22	122	0.86	0.06	0.94
	0.06	0.05	0.0 115,118,0	0.08	0.03	0.03122,118,118			1.00	0.04	0.96
153	0.10	0.16	0.0 112,113,0	0.09	7.79e-03	0.03122,113,113	0.23	122	0.86	0.06	0.94
	0.06	0.05	0.0 115,118,0	0.09	0.02	0.02122,113,113			1.00	0.04	0.96
154	0.08	0.14	0.0 112,113,0	0.09	0.02	0.03122,117,113	0.23	122	0.86	0.06	0.94
	0.04	0.04	0.0 115,118,0	0.09	0.02	0.02122,113,113			1.00	0.04	0.96
155	0.05	0.10	0.0 112,113,0	0.08	0.02	0.03122,117,113	0.22	122	0.86	0.06	0.94
	0.01	0.02	0.0 113,114,0	0.08	7.48e-03	7.48e-03122,117,117			1.00	0.04	0.96
156	0.07	0.12	0.0 112,113,0	0.04	0.01	0.03122,113,113	0.15	122	0.86	0.06	0.94
	0.08	0.06	0.0 115,118,0	0.04	0.01	0.01122,118,118			1.00	0.04	0.96
157	0.05	0.10	0.0 112,113,0	0.03	0.01	0.03122,113,113	0.14	122	0.86	0.06	0.94
	0.04	0.03	0.0 115,118,0	0.03	4.72e-03	4.72e-03122,118,118			1.00	0.04	0.96
158	0.08	0.12	0.0 112,113,0	0.04	7.51e-03	0.03122,113,113	0.16	122	0.86	0.06	0.94
	0.10	0.07	0.0 115,118,0	0.04	0.02	0.02122,118,118			1.00	0.04	0.96
159	0.08	0.12	0.0 112,113,0	0.05	3.75e-03	0.03122,112,113	0.17	122	0.86	0.06	0.94
	0.10	0.07	0.0 115,118,0	0.05	0.02	0.02122,118,118			1.00	0.04	0.96
160	0.07	0.12	0.0 112,113,0	0.05	7.79e-03	0.03122,113,113	0.18	122	0.86	0.06	0.94
	0.09	0.07	0.0 115,118,0	0.05	0.01	0.01122,118,118			1.00	0.04	0.96
161	0.06	0.11	0.0 112,113,0	0.05	0.01	0.03122,113,113	0.18	122	0.86	0.06	0.94
	0.06	0.05	0.0 115,118,0	0.05	0.01	0.01122,118,118			1.00	0.04	0.96
162	0.05	0.10	0.0 112,113,0	0.05	0.01	0.02122,113,113	0.18	122	0.86	0.06	0.94
	0.02	0.02	0.0 111,114,0	0.05	1.36e-03	1.36e-03122,113,113			1.00	0.04	0.96
163	0.08	0.11	0.0 115,118,0	0.04	9.04e-03	0.02122,118,118	0.15	122	0.86	0.06	0.94
	0.09	0.07	0.0 115,118,0	0.04	4.48e-03	4.48e-03122,118,118			1.00	0.04	0.96
164	0.07	0.10	0.0 115,118,0	0.03	9.04e-03	0.02122,118,118	0.14	122	0.86	0.06	0.94
	0.04	0.03	0.0 115,118,0	0.03	1.86e-03	1.86e-03122,115,115			1.00	0.04	0.96
165	0.09	0.11	0.0 115,118,0	0.04	7.05e-03	0.02122,118,118	0.15	122	0.86	0.06	0.94
	0.10	0.08	0.0 115,118,0	0.04	6.89e-03	6.89e-03122,118,118			1.00	0.04	0.96
166	0.09	0.11	0.0 115,118,0	0.04	2.99e-03	0.02122,118,118	0.16	122	0.86	0.06	0.94
	0.10	0.08	0.0 115,118,0	0.04	6.89e-03	6.89e-03122,118,118			1.00	0.04	0.96
167	0.09	0.11	0.0 115,118,0	0.04	6.99e-03	0.02122,118,118	0.16	122	0.86	0.06	0.94
	0.09	0.07	0.0 115,118,0	0.04	5.98e-03	5.98e-03122,118,118			1.00	0.04	0.96
168	0.08	0.10	0.0 115,118,0	0.04	8.63e-03	0.02122,118,118	0.16	122	0.86	0.06	0.94
	0.06	0.05	0.0 115,118,0	0.04	3.83e-03	3.83e-03122,115,115			1.00	0.04	0.96
169	0.06	0.09	0.0 115,118,0	0.04	8.63e-03	0.02119,118,118	0.16	119	0.86	0.06	0.94
	0.02	0.02	0.0 111,114,0	0.04	1.68e-03	1.68e-03119,126,126			1.00	0.04	0.96
170	0.14	0.15	0.0 115,118,0	0.03	0.01	0.03122,118,118	0.14	122	0.86	0.06	0.94
	0.09	0.07	0.0 115,118,0	0.03	8.21e-03	8.21e-03122,118,118			1.00	0.04	0.96
171	0.12	0.14	0.0 115,118,0	0.03	0.01	0.03122,118,118	0.14	122	0.86	0.06	0.94
	0.04	0.03	0.0 115,118,0	0.03	1.86e-03	1.86e-03122,115,115			1.00	0.04	0.96
172	0.15	0.15	0.0 115,118,0	0.03	7.09e-03	0.03122,118,118	0.14	122	0.86	0.06	0.94
	0.10	0.08	0.0 115,118,0	0.03	0.01	0.01122,118,118			1.00	0.04	0.96
173	0.15	0.15	0.0 115,118,0	0.03	3.52e-03	0.03122,118,118	0.14	122	0.86	0.06	0.94
	0.10	0.08	0.0 115,118,0	0.03	0.01	0.01122,118,118			1.00	0.04	0.96
174	0.14	0.15	0.0 115,118,0	0.03	7.07e-03	0.03122,118,118	0.14	122	0.86	0.06	0.94
	0.09	0.07	0.0 115,118,0	0.03	0.01	0.01122,118,118			1.00	0.04	0.96
175	0.13	0.14	0.0 115,118,0	0.03	9.91e-03	0.03122,118,118	0.14	122	0.86	0.06	0.94
	0.06	0.05	0.0 115,118,0	0.03	7.87e-03	7.87e-03122,118,118			1.00	0.04	0.96
176	0.12	0.12	0.0 115,118,0	0.03	9.91e-03	0.03119,118,118	0.14	119	0.86	0.06	0.94
	0.02	0.02	0.0 111,114,0	0.03	1.82e-03	1.82e-03119,118,118			1.00	0.04	0.96
177	0.30	0.28	0.0 115,118,0	0.03	0.02	0.07122,118,118	0.13	122	0.86	0.06	0.94
	0.08	0.06	0.0 115,118,0	0.03	0.03	0.03122,118,118			1.00	0.04	0.96
178	0.30	0.28	0.0 115,118,0	0.03	0.02	0.07122,118,118	0.13	122	0.86	0.06	0.94
	0.04	0.03	0.0 115,118,0	0.03	0.01	0.01122,118,118			1.00	0.04	0.96
179	0.29	0.27	0.0 115,118,0	0.03	7.09e-03	0.05122,118,118	0.13	122	0.86	0.06	0.94
	0.08	0.06	0.0 115,118,0	0.03	0.03	0.03122,118,118			1.00	0.04	0.96
180	0.26	0.25	0.0 115,118,0	0.03	3.81e-03	0.04122,118,118	0.13	122	0.86	0.06	0.94
	0.08	0.06	0.0 115,118,0	0.03	0.02	0.02122,118,118			1.00	0.04	0.96
181	0.23	0.22	0.0 115,118,0	0.03	7.07e-03	0.04122,118,118	0.12	122	0.86	0.06	0.94
	0.07	0.05	0.0 115,118,0	0.03	0.02	0.02122,118,118			1.00	0.04	0.96
182	0.20	0.19	0.0 111,114,0	0.02	0.01	0.04122,118,114	0.11	122	0.86	0.06	0.94
	0.05	0.04	0.0 115,118,0	0.02	0.01	0.01122,118,118			1.00	0.04	0.96
183	0.15	0.15	0.0 111,114,0	0.02	9.91e-03	0.03131,118,118	0.11	131	0.86	0.06	0.94
	0.02	0.02	0.0 114,118,0	0.02	2.08e-03	2.08e-03131,121,121			1.00	0.04	0.96
184	0.30	0.28	0.0 115,118,0	0.02	0.02	0.07122,118,118	0.11	122	0.86	0.06	0.94
	0.04	0.03	0.0 115,118,0	0.02	0.03	0.03122,118,118			1.00	0.04	0.96
185	0.29	0.27	0.0 115,118,0	0.02	4.27e-03	0.05134,115,118	0.10	134	0.86	0.06	0.94
	0.04	0.03	0.0 115,118,0	0.02	0.03	0.03134,118,118			1.00	0.04	0.96
186	0.26	0.25	0.0 115,118,0	0.01	3.81e-03	0.04134,118,118	0.09	134	0.86	0.06	0.94
	0.03	0.02	0.0 115,118,0	0.01	0.02	0.02134,118,118			1.00	0.04	0.96
187	0.23	0.22	0.0 115,118,0	0.01	6.25e-03	0.04134,118,118	0.08	134	0.86	0.06	0.94
	0.03	0.02	0.0 115,118,0	0.01	0.02	0.02134,118,118			1.00	0.04	0.96
188	0.20	0.19	0.0 111,114,0	0.01	0.01	0.04134,118,114	0.08	134	0.86	0.06	0.94
	0.02	0.02	0.0 115,118,0	0.01	0.01	0.01134,118,118			1.00	0.04	0.96
189	0.17	0.16	0.0 111,114,0	0.01	0.01	0.04134,118,114	0.08	134	0.86	0.06	0.94

	0.02	0.01	0.0 118,115,0	0.01	9.84e-03	9.84e-03134,118,118	1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26		
	0.30	0.28	0.0	0.09	0.04	0.07	0.23		

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
5	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.60	33.5	16	0.54	30.1	20	0.76	1.762e+04	1.455e+06	113

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1	0.22	0.21	0.0 115,118,0		0.10	3.13e-03	0.03112,115,118		0.24	112	0.86	0.06	0.94
	3.93e-03	3.17e-03	0.0 113,115,0		0.10	1.89e-03	1.89e-03112,122,122				1.00	0.04	0.96
2	0.48	0.47	0.0 113,112,0		0.08	1.65e-03	0.07112,135,112		0.22	112	0.86	0.06	0.94
	3.39e-03	2.49e-03	0.0 113,112,0		0.08	8.54e-04	8.54e-04112,141,141				1.00	0.04	0.96
184	0.22	0.21	0.0 115,118,0		0.10	3.13e-03	0.03112,115,118		0.24	112	0.86	0.06	0.94
	5.76e-03	4.09e-03	0.0 118,115,0		0.10	1.89e-03	1.89e-03112,122,122				1.00	0.04	0.96
185	0.20	0.18	0.0 115,118,0		0.09	1.81e-03	0.02112,126,122		0.23	112	0.86	0.06	0.94
	5.76e-03	4.09e-03	0.0 118,115,0		0.09	1.78e-03	1.78e-03112,123,123				1.00	0.04	0.96
186	0.17	0.16	0.0 119,122,0		0.09	1.81e-03	0.02112,126,126		0.24	112	0.86	0.06	0.94
	3.27e-03	2.22e-03	0.0 118,115,0		0.09	7.28e-04	7.28e-04112,139,139				1.00	0.04	0.96
187	0.14	0.13	0.0 119,122,0		0.10	1.69e-03	0.02112,122,122		0.24	112	0.86	0.06	0.94
	4.32e-03	2.70e-03	0.0 113,115,0		0.10	1.16e-03	1.16e-03112,131,131				1.00	0.04	0.96
188	0.12	0.11	0.0 119,122,0		0.10	2.55e-03	0.01112,124,122		0.24	112	0.86	0.06	0.94
	4.32e-03	2.70e-03	0.0 113,115,0		0.10	1.49e-03	1.49e-03112,122,122				1.00	0.04	0.96
189	0.10	0.09	0.0 119,122,0		0.10	2.55e-03	9.75e-03112,124,122		0.24	112	0.86	0.06	0.94
	8.19e-04	6.64e-04	0.0 113,141,0		0.10	1.49e-03	1.49e-03112,122,122				1.00	0.04	0.96
190	0.22	0.21	0.0 115,118,0		0.13	3.13e-03	0.03112,115,118		0.28	112	0.86	0.06	0.94
	7.60e-03	5.46e-03	0.0 113,112,0		0.13	1.89e-03	1.89e-03112,122,122				1.00	0.04	0.96
191	0.22	0.21	0.0 115,118,0		0.11	3.13e-03	0.03112,115,118		0.26	112	0.86	0.06	0.94
	5.55e-03	4.27e-03	0.0 113,112,0		0.11	1.89e-03	1.89e-03112,122,122				1.00	0.04	0.96
192	0.20	0.18	0.0 115,118,0		0.13	1.81e-03	0.02112,126,122		0.28	112	0.86	0.06	0.94
	7.60e-03	5.46e-03	0.0 113,112,0		0.13	1.78e-03	1.78e-03112,123,123				1.00	0.04	0.96
193	0.17	0.16	0.0 119,122,0		0.13	1.81e-03	0.02112,126,126		0.28	112	0.86	0.06	0.94
	3.55e-03	2.57e-03	0.0 118,115,0		0.13	7.28e-04	7.28e-04112,139,139				1.00	0.04	0.96
194	0.14	0.13	0.0 119,122,0		0.13	1.69e-03	0.02112,122,122		0.28	112	0.86	0.06	0.94
	4.37e-03	2.70e-03	0.0 113,115,0		0.13	1.16e-03	1.16e-03112,131,131				1.00	0.04	0.96
195	0.12	0.11	0.0 119,122,0		0.13	2.55e-03	0.01112,124,122		0.27	112	0.86	0.06	0.94
	4.37e-03	3.25e-03	0.0 113,118,0		0.13	1.72e-03	1.72e-03112,119,119				1.00	0.04	0.96
196	0.10	0.09	0.0 119,122,0		0.12	2.55e-03	9.75e-03112,124,122		0.26	112	0.86	0.06	0.94
	3.87e-03	3.25e-03	0.0 115,118,0		0.12	1.72e-03	1.72e-03112,119,119				1.00	0.04	0.96
197	0.48	0.47	0.0 113,112,0		0.13	1.65e-03	0.07112,135,112		0.28	112	0.86	0.06	0.94
	7.60e-03	5.46e-03	0.0 113,112,0		0.13	8.54e-04	8.54e-04112,141,141				1.00	0.04	0.96
198	0.48	0.47	0.0 113,112,0		0.11	1.65e-03	0.07112,135,112		0.26	112	0.86	0.06	0.94
	5.55e-03	4.27e-03	0.0 113,112,0		0.11	8.54e-04	8.54e-04112,141,141				1.00	0.04	0.96
199	0.43	0.41	0.0 113,112,0		0.13	1.33e-03	0.06112,133,112		0.28	112	0.86	0.06	0.94
	7.60e-03	5.46e-03	0.0 113,112,0		0.13	8.14e-04	8.14e-04112,123,123				1.00	0.04	0.96
200	0.39	0.37	0.0 113,112,0		0.13	1.12e-03	0.05112,125,112		0.28	112	0.86	0.06	0.94
	3.55e-03	2.57e-03	0.0 118,115,0		0.13	2.95e-04	2.95e-04112,119,119				1.00	0.04	0.96
201	0.35	0.32	0.0 113,112,0		0.13	1.36e-03	0.04112,131,112		0.28	112	0.86	0.06	0.94
	4.37e-03	2.58e-03	0.0 113,115,0		0.13	5.19e-04	5.19e-04112,122,122				1.00	0.04	0.96
202	0.30	0.28	0.0 113,112,0		0.13	2.30e-03	0.03112,131,112		0.27	112	0.86	0.06	0.94
	0.01	7.54e-03	0.0 115,118,0		0.13	1.72e-03	1.72e-03112,119,119				1.00	0.04	0.96
203	0.27	0.24	0.0 113,112,0		0.12	2.30e-03	0.03112,131,112		0.26	112	0.86	0.06	0.94
	0.01	7.54e-03	0.0 115,118,0		0.12	1.72e-03	1.72e-03112,119,119				1.00	0.04	0.96
204	0.48	0.47	0.0 113,112,0		0.08	1.65e-03	0.07112,135,112		0.22	112	0.86	0.06	0.94
	4.48e-03	3.14e-03	0.0 113,112,0		0.08	8.54e-04	8.54e-04112,141,141				1.00	0.04	0.96
205	0.43	0.41	0.0 113,112,0		0.06	1.33e-03	0.06112,133,112		0.19	112	0.86	0.06	0.94
	4.48e-03	3.14e-03	0.0 113,112,0		0.06	8.14e-04	8.14e-04112,123,123				1.00	0.04	0.96
206	0.39	0.37	0.0 113,112,0		0.05	1.12e-03	0.05116,125,112		0.17	116	0.86	0.06	0.94
	1.90e-03	1.37e-03	0.0 118,115,0		0.05	2.40e-04	2.40e-04116,139,139				1.00	0.04	0.96
207	0.35	0.32	0.0 113,112,0		0.04	1.36e-03	0.04111,131,112		0.16	111	0.86	0.06	0.94
	3.10e-03	2.03e-03	0.0 118,115,0		0.04	5.02e-04	5.02e-04111,122,122				1.00	0.04	0.96
208	0.30	0.28	0.0 113,112,0		0.04	2.30e-03	0.03111,131,112		0.15	111	0.86	0.06	0.94
	0.01	7.54e-03	0.0 115,118,0		0.04	1.65e-03	1.65e-03111,119,119				1.00	0.04	0.96
209	0.27	0.24	0.0 113,112,0		0.04	2.30e-03	0.03111,131,112		0.15	111	0.86	0.06	0.94
	0.01	7.54e-03	0.0 115,118,0		0.04	1.65e-03	1.65e-03111,119,119				1.00	0.04	0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.48 0.47 0.0 0.13 3.13e-03 0.07 0.28

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
6	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.83 38.2 19 0.69 31.6 19 0.97 2.966e+04 1.081e+06 118

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
6	0.0	0.04	0.0	0,4,0	0.20	2.31e-03	4.98e-03	115,123,131	0.34	115	0.0	0.0	0.0
	7.99e-03	7.96e-03	0.0	118,115,0	0.20	1.29e-03	1.29e-03	115,125,125			1.00	0.04	0.96
7	0.53	0.61	0.0	118,115,0	0.17	1.55e-03	0.10	115,140,112	0.31	115	0.86	0.06	0.94
	5.11e-03	3.84e-03	0.0	118,115,0	0.17	7.34e-04	7.34e-04	115,141,141			1.00	0.04	0.96
138	1.17e-03	0.05	0.0	122,4,0	0.20	2.31e-03	6.47e-03	115,123,119	0.34	115	0.86	0.06	0.94
	0.01	9.61e-03	0.0	118,115,0	0.20	1.29e-03	1.29e-03	115,125,125			1.00	0.04	0.96
140	0.01	0.07	0.0	122,119,0	0.20	1.57e-03	9.17e-03	115,122,119	0.35	115	0.86	0.06	0.94
	0.01	9.61e-03	0.0	118,115,0	0.20	1.00e-03	1.00e-03	115,123,123			1.00	0.04	0.96
142	0.02	0.08	0.0	122,119,0	0.21	1.69e-03	0.01	115,122,119	0.35	115	0.86	0.06	0.94
	5.02e-03	4.42e-03	0.0	118,115,0	0.21	6.02e-04	6.02e-04	139,139			1.00	0.04	0.96
144	0.02	0.08	0.0	122,119,0	0.21	1.79e-03	0.01	115,122,119	0.35	115	0.86	0.06	0.94
	4.08e-03	6.10e-03	0.0	117,112,0	0.21	8.66e-04	8.66e-04	115,4,4			1.00	0.04	0.96
146	0.02	0.13	0.0	122,4,0	0.27	3.48e-03	0.02	115,4,4	0.40	115	0.86	0.06	0.94
	6.97e-03	9.62e-03	0.0	117,112,0	0.27	1.25e-03	1.25e-03	115,4,4			1.00	0.04	0.96
148	0.10	0.14	0.0	118,115,0	0.27	3.48e-03	0.02	115,4,4	0.40	115	0.86	0.06	0.94
	6.97e-03	9.62e-03	0.0	117,112,0	0.27	3.47e-03	3.47e-03	119,119			1.00	0.04	0.96
210	0.53	0.61	0.0	118,115,0	0.20	2.31e-03	0.10	115,123,112	0.34	115	0.86	0.06	0.94
	0.01	9.61e-03	0.0	118,115,0	0.20	1.29e-03	1.29e-03	115,125,125			1.00	0.04	0.96
211	0.53	0.61	0.0	118,115,0	0.20	2.31e-03	0.10	115,123,112	0.34	115	0.86	0.06	0.94
	7.99e-03	7.96e-03	0.0	118,115,0	0.20	1.29e-03	1.29e-03	115,125,125			1.00	0.04	0.96
212	0.48	0.54	0.0	118,115,0	0.20	1.57e-03	0.08	115,122,112	0.35	115	0.86	0.06	0.94
	0.01	9.61e-03	0.0	118,115,0	0.20	1.00e-03	1.00e-03	115,123,123			1.00	0.04	0.96
213	0.43	0.47	0.0	118,115,0	0.21	1.69e-03	0.07	115,122,112	0.35	115	0.86	0.06	0.94
	5.02e-03	4.42e-03	0.0	118,115,0	0.21	6.02e-04	6.02e-04	139,139			1.00	0.04	0.96
214	0.39	0.42	0.0	118,115,0	0.21	1.79e-03	0.06	115,122,115	0.35	115	0.86	0.06	0.94
	4.08e-03	6.10e-03	0.0	117,112,0	0.21	8.66e-04	8.66e-04	115,4,4			1.00	0.04	0.96
215	0.34	0.37	0.0	118,115,0	0.27	3.48e-03	0.05	115,4,111	0.40	115	0.86	0.06	0.94
	6.97e-03	9.62e-03	0.0	117,112,0	0.27	3.47e-03	3.47e-03	119,119			1.00	0.04	0.96
216	0.29	0.31	0.0	118,115,0	0.20	1.82e-03	0.04	118,4,115	0.34	118	0.86	0.06	0.94
	8.67e-04	6.28e-03	0.0	120,4,0	0.20	3.47e-03	3.47e-03	118,119,119			1.00	0.04	0.96
217	0.53	0.61	0.0	118,115,0	0.17	1.55e-03	0.10	115,140,112	0.31	115	0.86	0.06	0.94
	7.15e-03	4.93e-03	0.0	118,115,0	0.17	7.34e-04	7.34e-04	141,141			1.00	0.04	0.96
218	0.48	0.54	0.0	118,115,0	0.13	1.21e-03	0.08	115,132,112	0.27	115	0.86	0.06	0.94
	7.15e-03	4.93e-03	0.0	118,115,0	0.13	6.31e-04	6.31e-04	120,120			1.00	0.04	0.96
219	0.43	0.47	0.0	118,115,0	0.10	9.18e-04	0.07	115,142,112	0.25	115	0.86	0.06	0.94
	3.12e-03	2.31e-03	0.0	118,115,0	0.10	1.90e-04	1.90e-04	142,142			1.00	0.04	0.96
220	0.39	0.42	0.0	118,115,0	0.09	1.24e-03	0.06	115,134,115	0.23	115	0.86	0.06	0.94
	1.92e-03	3.25e-03	0.0	113,115,0	0.09	6.17e-04	6.17e-04	122,122			1.00	0.04	0.96
221	0.34	0.37	0.0	118,115,0	0.08	1.77e-03	0.05	115,131,111	0.22	112	0.86	0.06	0.94
	1.92e-03	6.28e-03	0.0	113,4,0	0.08	1.47e-03	1.47e-03	112,119,119			1.00	0.04	0.96
222	0.29	0.31	0.0	118,115,0	0.06	1.77e-03	0.04	112,131,115	0.19	112	0.86	0.06	0.94
	0.0	6.28e-03	0.0	0,4,0	0.06	1.47e-03	1.47e-03	112,119,119			0.0	0.0	0.0

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.53 0.61 0.0 0.27 3.48e-03 0.10 0.40

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
7	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.83 -38.2 17 0.69 -31.6 17 0.97 2.967e+04 -1.081e+06 112

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
5	0.0	0.04	0.0	0,4,0	0.20	2.31e-03	4.98e-03	113,121,141	0.34	113	0.0	0.0	0.0
	7.99e-03	7.96e-03	0.0	112,113,0	0.20	1.29e-03	1.29e-03	113,119,119			1.00	0.04	0.96
8	0.53	0.61	0.0	112,113,0	0.17	1.54e-03	0.10	113,134,118	0.31	113	0.86	0.06	0.94
	5.11e-03	3.84e-03	0.0	112,113,0	0.17	7.28e-04	7.28e-04	113,131,131			1.00	0.04	0.96
223	0.53	0.61	0.0	112,113,0	0.17	1.54e-03	0.10	113,134,118	0.31	113	0.86	0.06	0.94
	7.15e-03	4.92e-03	0.0	112,113,0	0.17	7.28e-04	7.28e-04	113,131,131			1.00	0.04	0.96
224	0.53	0.61	0.0	112,113,0	0.20	2.31e-03	0.10	113,121,118	0.34	113	0.86	0.06	0.94
	0.01	9.61e-03	0.0	112,113,0	0.20	1.29e-03	1.29e-03	113,119,119			1.00	0.04	0.96
225	0.53	0.61	0.0	112,113,0	0.20	2.31e-03	0.10	113,121,118	0.34	113	0.86	0.06	0.94
	7.99e-03	7.96e-03	0.0	112,113,0	0.20	1.29e-03	1.29e-03	113,119,119			1.00	0.04	0.96
226	0.48	0.54	0.0	112,113,0	0.13	1.21e-03	0.08	113,142,118	0.27	113	0.86	0.06	0.94
	7.15e-03	4.92e-03	0.0	112,113,0	0.13	6.32e-04	6.32e-04	113,126,126			1.00	0.04	0.96
227	0.48	0.54	0.0	112,113,0	0.20	1.58e-03	0.08	113,124,118	0.35	113	0.86	0.06	0.94
	0.01	9.61e-03	0.0	112,113,0	0.20	1.00e-03	1.00e-03	113,121,121			1.00	0.04	0.96
228	0.43	0.47	0.0	112,113,0	0.10	9.25e-04	0.07	113,124,118	0.25	113	0.86	0.06	0.94
	3.13e-03	2.32e-03	0.0	112,113,0	0.10	1.91e-04	1.91e-04	113,132,132			1.00	0.04	0.96
229	0.43	0.47	0.0	112,113,0	0.21	1.71e-03	0.07	113,124,118	0.35	113	0.86	0.06	0.94
	5.02e-03	4.42e-03	0.0	112,113,0	0.21	6.24e-04	6.24e-04	113,133,133			1.00	0.04	0.96
230	0.39	0.42	0.0	112,113,0	0.09	1.27e-03	0.06	113,140,113	0.23	113	0.86	0.06	0.94
	1.80e-03	3.36e-03	0.0	116,113,0	0.09	5.09e-04	5.09e-04	113,119,119			1.00	0.04	0.96
231	0.39	0.42	0.0	112,113,0	0.21	1.78e-03	0.06	113,124,113	0.35	113	0.86	0.06	0.94
	4.00e-03	6.13e-03	0.0	111,118,0	0.21	8.55e-04	8.55e-04	113,4,4			1.00	0.04	0.96
232	0.34	0.37	0.0	112,113,0	0.08	1.73e-03	0.05	113,141,117	0.22	113	0.86	0.06	0.94
	1.80e-03	6.57e-03	0.0	116,4,0	0.08	1.09e-03	1.09e-03	113,4,4			1.00	0.04	0.96
233	0.34	0.37	0.0	112,113,0	0.27	3.45e-03	0.05	113,4,117	0.40	113	0.86	0.06	0.94
	7.00e-03	9.56e-03	0.0	111,114,0	0.27	4.78e-03	4.78e-03	113,125,125			1.00	0.04	0.96
234	0.29	0.31	0.0	112,113,0	0.06	1.73e-03	0.04	113,141,113	0.19	118	0.86	0.06	0.94
	0.0	6.57e-03	0.0	0,4,0	0.06	1.09e-03	1.09e-03	118,4,4			0.0	0.0	0.0
235	0.29	0.31	0.0	112,113,0	0.20	1.83e-03	0.04	112,4,113	0.34	112	0.86	0.06	0.94
	4.00e-03	6.57e-03	0.0	122,4,0	0.20	4.78e-03	4.78e-03	112,125,125			1.00	0.04	0.96
236	1.18e-03	0.05	0.0	124,4,0	0.20	2.31e-03	6.47e-03	113,121,125	0.34	113	0.86	0.06	0.94
	0.01	9.61e-03	0.0	112,113,0	0.20	1.29e-03	1.29e-03	113,119,119			1.00	0.04	0.96
237	0.01	0.07	0.0	124,125,0	0.20	1.58e-03	9.18e-03	113,124,125	0.35	113	0.86	0.06	0.94
	0.01	9.61e-03	0.0	112,113,0	0.20	1.00e-03	1.00e-03	113,121,121			1.00	0.04	0.96
238	0.02	0.08	0.0	124,125,0	0.21	1.71e-03	0.01	113,124,125	0.35	113	0.86	0.06	0.94
	5.02e-03	4.42e-03	0.0	112,113,0	0.21	6.24e-04	6.24e-04	113,133,133			1.00	0.04	0.96
239	0.02	0.08	0.0	120,125,0	0.21	1.78e-03	0.01	113,124,125	0.35	113	0.86	0.06	0.94
	4.00e-03	6.13e-03	0.0	111,118,0	0.21	8.55e-04	8.55e-04	113,4,4			1.00	0.04	0.96
240	0.02	0.13	0.0	120,4,0	0.27	3.45e-03	0.02	113,4,4	0.40	113	0.86	0.06	0.94
	7.00e-03	9.56e-03	0.0	111,114,0	0.27	1.33e-03	1.33e-03	113,4,4			1.00	0.04	0.96
241	0.10	0.14	0.0	112,113,0	0.27	3.45e-03	0.02	113,4,4	0.40	113	0.86	0.06	0.94
	7.00e-03	9.56e-03	0.0	111,114,0	0.27	4.78e-03	4.78e-03	113,125,125			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.53	0.61	0.0		0.27	4.78e-03	0.10		0.40				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
8	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.34	kN 58.0	28	0.34	kN 58.6	28	1.00	kN 4.115e+04	kN m -2.937e+06	113

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
4	0.30	0.28	0.0	113,112,0	0.02	0.02	0.07	112,112	0.11	124	0.86	0.06	0.94
	0.02	0.01	0.0	113,112,0	0.02	0.01	0.01	112,112,112			1.00	0.04	0.96
5	0.13	0.19	0.0	118,115,0	0.04	0.03	0.06	112,115,115	0.15	124	0.86	0.06	0.94
	0.02	0.02	0.0	112,113,0	0.04	0.02	0.02	112,115,115			1.00	0.04	0.96
10	0.08	0.18	0.0	118,115,0	0.02	0.03	0.06	112,115,115	0.12	124	0.86	0.06	0.94
	0.02	0.02	0.0	112,113,0	0.02	0.01	0.01	112,112,112			1.00	0.04	0.96
236	0.13	0.20	0.0	118,115,0	0.06	0.03	0.06	112,115,115	0.19	124	0.86	0.06	0.94
	0.03	0.02	0.0	112,113,0	0.06	0.04	0.04	112,112,112			1.00	0.04	0.96
237	0.13	0.20	0.0	118,115,0	0.07	7.61e-03	0.05	112,123,115	0.21	124	0.86	0.06	0.94
	0.03	0.02	0.0	112,113,0	0.07	0.04	0.04	112,112,112			1.00	0.04	0.96
238	0.12	0.20	0.0	118,115,0	0.08	7.27e-03	0.04	112,113,115	0.22	124	0.86	0.06	0.94

239	0.01	0.01	0.0 112,112,0	0.08	0.03	0.03124,112,112			1.00	0.04	0.96
	0.10	0.19	0.0 118,115,0	0.09	0.01	0.04124,115,115	0.23	124	0.86	0.06	0.94
	0.01	0.01	0.0 113,115,0	0.09	0.02	0.02124,115,115			1.00	0.04	0.96
240	0.08	0.17	0.0 118,111,0	0.09	0.02	0.04124,115,115	0.23	124	0.86	0.06	0.94
	6.82e-03	0.02	0.0 118,120,0	0.09	0.02	0.02124,115,115			1.00	0.04	0.96
241	0.04	0.14	0.0 118,115,0	0.08	0.02	0.04124,115,115	0.22	124	0.86	0.06	0.94
	3.43e-03	0.02	0.0 121,120,0	0.08	7.54e-03	7.54e-03124,111,111			1.00	0.04	0.96
242	0.10	0.20	0.0 118,115,0	0.02	0.03	0.06124,115,115	0.12	124	0.86	0.06	0.94
	0.03	0.02	0.0 112,113,0	0.02	0.02	0.02124,115,115			1.00	0.04	0.96
243	0.10	0.20	0.0 118,115,0	0.01	7.61e-03	0.05140,123,115	0.09	140	0.86	0.06	0.94
	0.03	0.02	0.0 112,113,0	0.01	0.02	0.02140,115,115			1.00	0.04	0.96
244	0.10	0.20	0.0 118,115,0	0.01	7.27e-03	0.04140,113,115	0.09	140	0.86	0.06	0.94
	0.01	0.01	0.0 112,113,0	0.01	8.08e-03	8.08e-03140,115,115			1.00	0.04	0.96
245	0.09	0.19	0.0 118,115,0	0.02	0.01	0.04140,115,115	0.09	140	0.86	0.06	0.94
	6.82e-03	0.01	0.0 118,115,0	0.02	7.26e-03	7.26e-03140,111,111			1.00	0.04	0.96
246	0.07	0.17	0.0 114,111,0	0.02	0.02	0.04140,115,115	0.11	140	0.86	0.06	0.94
	6.82e-03	0.02	0.0 118,120,0	0.02	7.50e-03	7.50e-03140,123,123			1.00	0.04	0.96
247	0.04	0.14	0.0 118,115,0	0.02	0.02	0.04140,115,115	0.11	140	0.86	0.06	0.94
	3.43e-03	0.02	0.0 121,120,0	0.02	7.50e-03	7.50e-03140,123,123			1.00	0.04	0.96
248	0.13	0.19	0.0 118,115,0	0.06	0.02	0.06124,115,115	0.19	124	0.86	0.06	0.94
	0.06	0.04	0.0 113,112,0	0.06	0.04	0.04124,112,112			1.00	0.04	0.96
249	0.13	0.19	0.0 118,115,0	0.04	0.02	0.06124,115,115	0.15	124	0.86	0.06	0.94
	0.03	0.02	0.0 113,112,0	0.04	0.02	0.02124,115,115			1.00	0.04	0.96
250	0.13	0.19	0.0 118,115,0	0.07	7.51e-03	0.04124,115,115	0.21	124	0.86	0.06	0.94
	0.06	0.05	0.0 113,112,0	0.07	0.04	0.04124,112,112			1.00	0.04	0.96
251	0.12	0.18	0.0 118,115,0	0.08	4.39e-03	0.03124,113,115	0.22	124	0.86	0.06	0.94
	0.06	0.05	0.0 113,112,0	0.08	0.03	0.03124,112,112			1.00	0.04	0.96
252	0.10	0.16	0.0 118,115,0	0.09	7.79e-03	0.03124,115,115	0.23	124	0.86	0.06	0.94
	0.06	0.05	0.0 113,112,0	0.09	0.02	0.02124,115,115			1.00	0.04	0.96
253	0.08	0.14	0.0 118,115,0	0.09	0.02	0.03124,111,115	0.23	124	0.86	0.06	0.94
	0.04	0.04	0.0 113,112,0	0.09	0.02	0.02124,115,115			1.00	0.04	0.96
254	0.05	0.10	0.0 118,115,0	0.08	0.02	0.03124,111,115	0.22	124	0.86	0.06	0.94
	0.02	0.02	0.0 117,116,0	0.08	7.54e-03	7.54e-03124,111,111			1.00	0.04	0.96
255	0.07	0.12	0.0 118,115,0	0.04	0.01	0.03124,115,115	0.15	124	0.86	0.06	0.94
	0.08	0.06	0.0 113,112,0	0.04	0.01	0.01124,112,112			1.00	0.04	0.96
256	0.05	0.10	0.0 118,115,0	0.03	0.01	0.03124,115,115	0.14	124	0.86	0.06	0.94
	0.04	0.03	0.0 113,112,0	0.03	4.72e-03	4.72e-03124,112,112			1.00	0.04	0.96
257	0.08	0.12	0.0 118,115,0	0.04	7.51e-03	0.03124,115,115	0.16	124	0.86	0.06	0.94
	0.10	0.07	0.0 113,112,0	0.04	0.02	0.02124,112,112			1.00	0.04	0.96
258	0.08	0.12	0.0 118,115,0	0.05	3.76e-03	0.03124,118,115	0.17	124	0.86	0.06	0.94
	0.10	0.07	0.0 113,112,0	0.05	0.02	0.02124,112,112			1.00	0.04	0.96
259	0.07	0.12	0.0 118,115,0	0.05	7.79e-03	0.03124,115,115	0.18	124	0.86	0.06	0.94
	0.09	0.07	0.0 113,112,0	0.05	0.01	0.01124,112,112			1.00	0.04	0.96
260	0.06	0.11	0.0 118,115,0	0.05	0.01	0.03124,115,115	0.18	124	0.86	0.06	0.94
	0.06	0.05	0.0 113,112,0	0.05	0.01	0.01124,112,112			1.00	0.04	0.96
261	0.05	0.10	0.0 118,115,0	0.05	0.01	0.02124,115,115	0.18	124	0.86	0.06	0.94
	0.02	0.02	0.0 121,120,0	0.05	1.29e-03	1.29e-03124,115,115			1.00	0.04	0.96
262	0.08	0.11	0.0 113,112,0	0.04	9.04e-03	0.02124,112,112	0.15	124	0.86	0.06	0.94
	0.09	0.07	0.0 113,112,0	0.04	4.48e-03	4.48e-03124,112,112			1.00	0.04	0.96
263	0.07	0.10	0.0 113,112,0	0.03	9.04e-03	0.02124,112,112	0.14	124	0.86	0.06	0.94
	0.04	0.03	0.0 113,112,0	0.03	1.86e-03	1.86e-03124,113,113			1.00	0.04	0.96
264	0.09	0.11	0.0 113,112,0	0.04	7.05e-03	0.02124,112,112	0.15	124	0.86	0.06	0.94
	0.10	0.08	0.0 113,112,0	0.04	6.89e-03	6.89e-03124,112,112			1.00	0.04	0.96
265	0.09	0.11	0.0 113,112,0	0.04	2.99e-03	0.02124,112,112	0.16	124	0.86	0.06	0.94
	0.10	0.08	0.0 113,112,0	0.04	6.89e-03	6.89e-03124,112,112			1.00	0.04	0.96
266	0.09	0.11	0.0 113,112,0	0.04	7.00e-03	0.02124,112,112	0.16	124	0.86	0.06	0.94
	0.09	0.07	0.0 113,112,0	0.04	5.97e-03	5.97e-03124,112,112			1.00	0.04	0.96
267	0.08	0.10	0.0 113,112,0	0.04	8.62e-03	0.02124,112,112	0.16	124	0.86	0.06	0.94
	0.06	0.05	0.0 113,112,0	0.04	3.84e-03	3.84e-03124,113,113			1.00	0.04	0.96
268	0.06	0.09	0.0 113,112,0	0.04	8.62e-03	0.02125,112,112	0.16	125	0.86	0.06	0.94
	0.02	0.02	0.0 121,120,0	0.04	1.52e-03	1.52e-03125,120,120			1.00	0.04	0.96
269	0.14	0.15	0.0 113,112,0	0.03	0.01	0.03124,112,112	0.14	124	0.86	0.06	0.94
	0.09	0.07	0.0 113,112,0	0.03	8.21e-03	8.21e-03124,112,112			1.00	0.04	0.96
270	0.12	0.14	0.0 113,112,0	0.03	0.01	0.03124,112,112	0.14	124	0.86	0.06	0.94
	0.04	0.03	0.0 113,112,0	0.03	1.86e-03	1.86e-03124,113,113			1.00	0.04	0.96
271	0.15	0.15	0.0 113,112,0	0.03	7.09e-03	0.03124,112,112	0.14	124	0.86	0.06	0.94
	0.10	0.08	0.0 113,112,0	0.03	0.01	0.01124,112,112			1.00	0.04	0.96
272	0.15	0.15	0.0 113,112,0	0.03	3.53e-03	0.03124,112,112	0.14	124	0.86	0.06	0.94
	0.10	0.08	0.0 113,112,0	0.03	0.01	0.01124,112,112			1.00	0.04	0.96
273	0.14	0.15	0.0 113,112,0	0.03	7.07e-03	0.03124,112,112	0.14	124	0.86	0.06	0.94
	0.09	0.07	0.0 113,112,0	0.03	0.01	0.01124,112,112			1.00	0.04	0.96
274	0.13	0.14	0.0 113,112,0	0.03	9.92e-03	0.03124,112,112	0.14	124	0.86	0.06	0.94
	0.06	0.05	0.0 113,112,0	0.03	7.81e-03	7.81e-03124,112,112			1.00	0.04	0.96
275	0.12	0.12	0.0 113,112,0	0.03	9.92e-03	0.03125,112,112	0.14	125	0.86	0.06	0.94
	0.02	0.02	0.0 117,116,0	0.03	2.78e-03	2.78e-03125,120,120			1.00	0.04	0.96

276	0.30	0.28	0.0 113,112,0	0.03	0.02	0.07124,112,112	0.13	124	0.86	0.06	0.94
	0.08	0.06	0.0 113,112,0	0.03	0.03	0.03124,112,112			1.00	0.04	0.96
277	0.30	0.28	0.0 113,112,0	0.03	0.02	0.07124,112,112	0.13	124	0.86	0.06	0.94
	0.04	0.03	0.0 113,112,0	0.03	0.01	0.01124,112,112			1.00	0.04	0.96
278	0.29	0.27	0.0 113,112,0	0.03	7.09e-03	0.05124,112,112	0.13	124	0.86	0.06	0.94
	0.08	0.06	0.0 113,112,0	0.03	0.03	0.03124,112,112			1.00	0.04	0.96
279	0.26	0.25	0.0 113,112,0	0.03	3.82e-03	0.04124,112,112	0.13	124	0.86	0.06	0.94
	0.08	0.06	0.0 113,112,0	0.03	0.02	0.02124,112,112			1.00	0.04	0.96
280	0.23	0.22	0.0 113,112,0	0.03	7.07e-03	0.04124,112,112	0.12	124	0.86	0.06	0.94
	0.07	0.05	0.0 113,112,0	0.03	0.02	0.02124,112,112			1.00	0.04	0.96
281	0.20	0.19	0.0 117,116,0	0.02	0.01	0.04124,112,116	0.11	124	0.86	0.06	0.94
	0.05	0.04	0.0 113,112,0	0.02	0.01	0.01124,112,112			1.00	0.04	0.96
282	0.15	0.15	0.0 117,116,0	0.02	9.92e-03	0.03141,112,112	0.11	141	0.86	0.06	0.94
	0.02	0.02	0.0 112,116,0	0.02	2.78e-03	2.78e-03141,120,120			1.00	0.04	0.96
283	0.30	0.28	0.0 113,112,0	0.02	0.02	0.07124,112,112	0.11	124	0.86	0.06	0.94
	0.04	0.03	0.0 113,112,0	0.02	0.03	0.03124,112,112			1.00	0.04	0.96
284	0.29	0.27	0.0 113,112,0	0.02	4.27e-03	0.05140,113,112	0.10	140	0.86	0.06	0.94
	0.04	0.03	0.0 113,112,0	0.02	0.03	0.03140,112,112			1.00	0.04	0.96
285	0.26	0.25	0.0 113,112,0	0.01	3.82e-03	0.04140,112,112	0.09	140	0.86	0.06	0.94
	0.03	0.02	0.0 113,112,0	0.01	0.02	0.02140,112,112			1.00	0.04	0.96
286	0.23	0.22	0.0 113,112,0	0.01	6.28e-03	0.04140,112,112	0.08	140	0.86	0.06	0.94
	0.03	0.02	0.0 113,112,0	0.01	0.02	0.02140,112,112			1.00	0.04	0.96
287	0.20	0.19	0.0 117,116,0	0.01	0.01	0.04140,112,116	0.08	140	0.86	0.06	0.94
	0.02	0.02	0.0 113,112,0	0.01	0.01	0.01140,112,112			1.00	0.04	0.96
288	0.17	0.16	0.0 117,116,0	0.01	0.01	0.04140,112,116	0.08	140	0.86	0.06	0.94
	0.02	0.01	0.0 112,112,0	0.01	9.79e-03	9.79e-03140,112,112			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.30	0.28	0.0	0.09	0.04	0.07	0.23				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
9	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.60	-33.5	22	0.54	-30.1	18	0.76	1.761e+04	-1.455e+06	115

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3	0.48	0.47	0.0 115,118,0	0.08	1.65e-03	0.07118,129,118	0.22	118	0.86	0.06	0.94		
	3.39e-03	2.48e-03	0.0 115,118,0	0.08	8.53e-04	8.53e-04118,131,131			1.00	0.04	0.96		
4	0.22	0.21	0.0 113,112,0	0.10	3.13e-03	0.03118,113,112	0.24	118	0.86	0.06	0.94		
	3.93e-03	3.17e-03	0.0 115,113,0	0.10	1.90e-03	1.90e-03118,124,124			1.00	0.04	0.96		
283	0.22	0.21	0.0 113,112,0	0.10	3.13e-03	0.03118,113,112	0.24	118	0.86	0.06	0.94		
	5.76e-03	4.09e-03	0.0 112,113,0	0.10	1.90e-03	1.90e-03118,124,124			1.00	0.04	0.96		
284	0.20	0.18	0.0 113,112,0	0.09	1.82e-03	0.02118,120,124	0.23	118	0.86	0.06	0.94		
	5.76e-03	4.09e-03	0.0 112,113,0	0.09	1.78e-03	1.78e-03118,121,121			1.00	0.04	0.96		
285	0.17	0.16	0.0 125,124,0	0.09	1.82e-03	0.02118,120,120	0.23	118	0.86	0.06	0.94		
	3.27e-03	2.22e-03	0.0 112,113,0	0.09	7.30e-04	7.30e-04118,133,133			1.00	0.04	0.96		
286	0.14	0.13	0.0 125,124,0	0.10	1.70e-03	0.02118,124,124	0.24	118	0.86	0.06	0.94		
	4.34e-03	2.72e-03	0.0 115,113,0	0.10	1.14e-03	1.14e-03118,141,141			1.00	0.04	0.96		
287	0.12	0.11	0.0 125,124,0	0.10	2.54e-03	0.01118,122,124	0.24	118	0.86	0.06	0.94		
	4.34e-03	2.72e-03	0.0 115,113,0	0.10	1.61e-03	1.61e-03118,124,124			1.00	0.04	0.96		
288	0.10	0.09	0.0 125,124,0	0.10	2.54e-03	9.73e-03118,122,124	0.24	118	0.86	0.06	0.94		
	8.07e-04	5.71e-04	0.0 115,118,0	0.10	1.61e-03	1.61e-03118,124,124			1.00	0.04	0.96		
289	0.22	0.21	0.0 113,112,0	0.13	3.13e-03	0.03118,113,112	0.28	118	0.86	0.06	0.94		
	7.60e-03	5.46e-03	0.0 115,118,0	0.13	1.90e-03	1.90e-03118,124,124			1.00	0.04	0.96		
290	0.22	0.21	0.0 113,112,0	0.11	3.13e-03	0.03118,113,112	0.26	118	0.86	0.06	0.94		
	5.55e-03	4.27e-03	0.0 115,118,0	0.11	1.90e-03	1.90e-03118,124,124			1.00	0.04	0.96		
291	0.20	0.18	0.0 113,112,0	0.13	1.82e-03	0.02118,120,124	0.28	118	0.86	0.06	0.94		
	7.60e-03	5.46e-03	0.0 115,118,0	0.13	1.78e-03	1.78e-03118,121,121			1.00	0.04	0.96		
292	0.17	0.16	0.0 125,124,0	0.13	1.82e-03	0.02118,120,120	0.28	118	0.86	0.06	0.94		
	3.58e-03	2.58e-03	0.0 112,113,0	0.13	7.30e-04	7.30e-04118,133,133			1.00	0.04	0.96		
293	0.14	0.13	0.0 125,124,0	0.13	1.70e-03	0.02118,124,124	0.28	118	0.86	0.06	0.94		
	4.64e-03	2.79e-03	0.0 115,113,0	0.13	1.14e-03	1.14e-03118,141,141			1.00	0.04	0.96		
294	0.12	0.11	0.0 125,124,0	0.13	2.54e-03	0.01118,122,124	0.27	118	0.86	0.06	0.94		
	5.29e-03	4.26e-03	0.0 113,112,0	0.13	1.66e-03	1.66e-03118,125,125			1.00	0.04	0.96		
295	0.10	0.09	0.0 125,124,0	0.12	2.54e-03	9.73e-03118,122,124	0.26	118	0.86	0.06	0.94		
	5.29e-03	4.26e-03	0.0 113,112,0	0.12	1.66e-03	1.66e-03118,125,125			1.00	0.04	0.96		
296	0.48	0.47	0.0 115,118,0	0.13	1.65e-03	0.07118,129,118	0.28	118	0.86	0.06	0.94		

297	7.60e-03	5.46e-03	0.0	115,118,0	0.13	8.53e-04	8.53e-04	118,131,131	0.26	118	1.00	0.04	0.96
	0.48	0.47	0.0	115,118,0	0.11	1.65e-03	0.07	118,129,118			0.86	0.06	0.94
	5.55e-03	4.27e-03	0.0	115,118,0	0.11	8.53e-04	8.53e-04	118,131,131			1.00	0.04	0.96
298	0.43	0.41	0.0	115,118,0	0.13	1.33e-03	0.06	118,139,118	0.28	118	0.86	0.06	0.94
	7.60e-03	5.46e-03	0.0	115,118,0	0.13	8.15e-04	8.15e-04	121,121			1.00	0.04	0.96
299	0.39	0.37	0.0	115,118,0	0.13	1.12e-03	0.05	118,119,118	0.28	118	0.86	0.06	0.94
	3.58e-03	2.58e-03	0.0	112,113,0	0.13	2.94e-04	2.94e-04	125,125			1.00	0.04	0.96
300	0.35	0.32	0.0	115,118,0	0.13	1.37e-03	0.04	118,141,118	0.28	118	0.86	0.06	0.94
	4.64e-03	2.79e-03	0.0	115,113,0	0.13	5.17e-04	5.17e-04	124,124			1.00	0.04	0.96
301	0.30	0.28	0.0	115,118,0	0.13	2.30e-03	0.04	118,141,118	0.27	118	0.86	0.06	0.94
	8.03e-03	5.75e-03	0.0	113,112,0	0.13	1.66e-03	1.66e-03	125,125			1.00	0.04	0.96
302	0.26	0.24	0.0	115,118,0	0.12	2.30e-03	0.03	118,141,118	0.26	118	0.86	0.06	0.94
	8.03e-03	5.75e-03	0.0	113,112,0	0.12	1.66e-03	1.66e-03	125,125			1.00	0.04	0.96
303	0.48	0.47	0.0	115,118,0	0.08	1.65e-03	0.07	118,129,118	0.22	118	0.86	0.06	0.94
	4.49e-03	3.14e-03	0.0	115,118,0	0.08	8.53e-04	8.53e-04	131,131			1.00	0.04	0.96
304	0.43	0.41	0.0	115,118,0	0.06	1.33e-03	0.06	118,139,118	0.19	118	0.86	0.06	0.94
	4.49e-03	3.14e-03	0.0	115,118,0	0.06	8.15e-04	8.15e-04	121,121			1.00	0.04	0.96
305	0.39	0.37	0.0	115,118,0	0.05	1.12e-03	0.05	114,119,118	0.17	114	0.86	0.06	0.94
	1.87e-03	1.35e-03	0.0	112,113,0	0.05	2.43e-04	2.43e-04	133,133			1.00	0.04	0.96
306	0.35	0.32	0.0	115,118,0	0.04	1.37e-03	0.04	117,141,118	0.16	117	0.86	0.06	0.94
	2.39e-03	1.56e-03	0.0	112,113,0	0.04	5.08e-04	5.08e-04	124,124			1.00	0.04	0.96
307	0.30	0.28	0.0	115,118,0	0.04	2.30e-03	0.04	117,141,118	0.15	117	0.86	0.06	0.94
	8.03e-03	5.75e-03	0.0	113,112,0	0.04	1.59e-03	1.59e-03	125,125			1.00	0.04	0.96
308	0.26	0.24	0.0	115,118,0	0.04	2.30e-03	0.03	114,141,118	0.15	114	0.86	0.06	0.94
	8.03e-03	5.75e-03	0.0	113,112,0	0.04	1.59e-03	1.59e-03	125,125			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.48	0.47	0.0		0.13	3.13e-03	0.07		0.28				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
10	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.46	-12.9	23	0.16	-4.6	23	0.49	-6056.4	-4.388e+05	119

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
62	0.04	0.10	0.0	119,122,0	0.01	2.97e-03	0.01	119,126,122	0.09	119	0.86	0.06	0.94
	0.0	6.97e-03	0.0	0,4,0	0.01	1.16e-03	1.16e-03	119,120,120			0.0	0.0	0.0
64	0.0	0.07	0.0	0,4,0	5.57e-04	4.25e-03	9.93e-03	119,123,121	0.02	119	0.0	0.0	0.0
	5.24e-03	0.02	0.0	122,119,0	5.52e-04	1.79e-03	1.79e-03	119,121,121			1.00	0.04	0.96
75	0.02	0.08	0.0	122,119,0	3.59e-03	4.15e-03	0.01	119,120,123	0.05	119	0.86	0.06	0.94
	0.0	8.30e-03	0.0	0,4,0	3.57e-03	1.50e-03	1.50e-03	119,120,120			0.0	0.0	0.0
406	0.02	0.08	0.0	122,119,0	4.13e-03	4.15e-03	0.01	119,120,123	0.05	119	0.86	0.06	0.94
	0.0	8.30e-03	0.0	0,4,0	4.11e-03	1.50e-03	1.50e-03	119,120,120			0.0	0.0	0.0
407	0.04	0.10	0.0	119,122,0	0.01	2.97e-03	0.01	119,126,122	0.09	119	0.86	0.06	0.94
	5.46e-04	6.97e-03	0.0	119,4,0	0.01	1.16e-03	1.16e-03	119,120,120			1.00	0.04	0.96
408	0.02	0.08	0.0	122,119,0	4.67e-03	2.88e-03	0.01	119,120,123	0.05	119	0.86	0.06	0.94
	0.0	2.83e-03	0.0	0,4,0	4.65e-03	3.54e-04	3.54e-04	121,121			0.0	0.0	0.0
409	0.03	0.09	0.0	119,122,0	0.01	1.86e-03	0.01	119,126,122	0.08	119	0.86	0.06	0.94
	5.46e-04	2.55e-03	0.0	119,122,0	0.01	3.32e-04	3.32e-04	119,121,121			1.00	0.04	0.96
410	0.01	0.07	0.0	126,123,0	5.31e-03	1.66e-03	0.01	119,120,123	0.06	119	0.86	0.06	0.94
	9.42e-04	1.33e-03	0.0	119,122,0	5.30e-03	1.52e-04	1.52e-04	121,121			1.00	0.04	0.96
411	0.02	0.08	0.0	119,122,0	8.34e-03	1.41e-03	0.01	119,120,126	0.07	119	0.86	0.06	0.94
	2.03e-03	3.95e-03	0.0	119,122,0	8.34e-03	1.10e-04	1.10e-04	121,121			1.00	0.04	0.96
412	3.24e-03	0.06	0.0	125,4,0	5.57e-03	1.95e-03	8.95e-03	126,124	0.06	119	0.86	0.06	0.94
	9.42e-04	3.01e-03	0.0	119,4,0	5.56e-03	2.54e-04	2.54e-04	126,113			1.00	0.04	0.96
413	5.52e-03	0.08	0.0	123,4,0	7.66e-03	2.57e-03	0.01	126,126	0.07	119	0.86	0.06	0.94
	2.93e-03	0.02	0.0	122,4,0	7.65e-03	3.26e-04	3.26e-04	121,121			1.00	0.04	0.96
414	0.0	0.06	0.0	0,4,0	5.57e-03	3.35e-03	8.93e-03	126,119	0.06	119	0.0	0.0	0.0
	4.13e-04	7.24e-03	0.0	122,4,0	5.56e-03	7.02e-04	7.02e-04	121,112			1.00	0.04	0.96
415	0.0	0.08	0.0	0,4,0	7.66e-03	4.25e-03	0.01	123,126	0.07	119	0.0	0.0	0.0
	5.24e-03	0.02	0.0	122,119,0	7.65e-03	1.79e-03	1.79e-03	121,121			1.00	0.04	0.96
416	0.0	0.06	0.0	0,4,0	9.95e-04	3.35e-03	7.31e-03	122,126,124	0.02	122	0.0	0.0	0.0
	0.0	7.24e-03	0.0	0,4,0	9.90e-04	7.02e-04	7.02e-04	122,112			0.0	0.0	0.0
417	0.04	0.10	0.0	119,122,0	0.01	3.27e-03	0.01	119,123,122	0.09	119	0.86	0.06	0.94
	1.09e-03	7.32e-03	0.0	119,4,0	0.01	1.30e-03	1.30e-03	121,120			1.00	0.04	0.96
418	0.04	0.10	0.0	119,122,0	0.01	3.27e-03	0.01	123,122	0.09	119	0.86	0.06	0.94
	0.0	7.32e-03	0.0	0,4,0	0.01	1.30e-03	1.30e-03	121,120			0.0	0.0	0.0

419	0.03	0.09	0.0	119,122,0	0.02	2.20e-03	0.01119,126,122	0.10	119	0.86	0.06	0.94
	1.09e-03	3.31e-03	0.0	119,122,0	0.02	3.39e-04	3.39e-04119,121,121			1.00	0.04	0.96
420	0.02	0.08	0.0	119,122,0	0.02	1.41e-03	0.01119,120,126	0.10	119	0.86	0.06	0.94
	2.78e-03	3.95e-03	0.0	119,122,0	0.02	1.29e-04	1.29e-04119,120,120			1.00	0.04	0.96
421	5.52e-03	0.08	0.0	123,4,0	0.02	2.57e-03	0.01119,120,126	0.10	119	0.86	0.06	0.94
	4.73e-03	0.02	0.0	122,4,0	0.02	3.26e-04	3.26e-04119,121,121			1.00	0.04	0.96
422	0.0	0.08	0.0	0,4,0	0.01	4.25e-03	0.01119,123,126	0.09	119	0.0	0.0	0.0
	7.05e-03	0.02	0.0	122,119,0	0.01	1.79e-03	1.79e-03119,121,121			1.00	0.04	0.96
423	0.0	0.07	0.0	0,4,0	3.08e-03	4.25e-03	9.93e-03119,123,121	0.04	119	0.0	0.0	0.0
	7.05e-03	0.02	0.0	122,119,0	3.07e-03	1.79e-03	1.79e-03119,121,121			1.00	0.04	0.96
424	0.02	0.08	0.0	122,119,0	0.01	4.15e-03	0.01119,120,123	0.09	119	0.86	0.06	0.94
	1.09e-03	8.30e-03	0.0	119,4,0	0.01	1.50e-03	1.50e-03119,120,120			1.00	0.04	0.96
425	0.02	0.08	0.0	122,119,0	0.01	4.15e-03	0.01119,120,123	0.09	119	0.86	0.06	0.94
	0.0	8.30e-03	0.0	0,4,0	0.01	1.50e-03	1.50e-03119,120,120			0.0	0.0	0.0
426	0.02	0.08	0.0	122,119,0	0.02	2.88e-03	0.01119,120,123	0.10	119	0.86	0.06	0.94
	1.09e-03	3.31e-03	0.0	119,122,0	0.02	3.54e-04	3.54e-04119,121,121			1.00	0.04	0.96
427	0.01	0.07	0.0	126,123,0	0.02	1.66e-03	0.01119,120,123	0.10	119	0.86	0.06	0.94
	2.78e-03	3.03e-03	0.0	119,122,0	0.02	1.52e-04	1.52e-04119,121,121			1.00	0.04	0.96
428	3.24e-03	0.06	0.0	125,4,0	0.02	2.17e-03	8.95e-03119,121,124	0.10	119	0.86	0.06	0.94
	4.73e-03	8.35e-03	0.0	122,119,0	0.02	2.68e-04	2.68e-04119,113,113			1.00	0.04	0.96
429	0.0	0.06	0.0	0,4,0	0.01	3.57e-03	8.93e-03119,120,119	0.09	119	0.0	0.0	0.0
	7.05e-03	0.01	0.0	122,119,0	0.01	1.21e-03	1.21e-03119,120,120			1.00	0.04	0.96
430	0.0	0.06	0.0	0,4,0	3.08e-03	3.57e-03	7.86e-03119,120,123	0.04	119	0.0	0.0	0.0
	7.05e-03	0.01	0.0	122,119,0	3.07e-03	1.21e-03	1.21e-03119,120,120			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131	V. D.26				
	0.04	0.10	0.0		0.02	4.25e-03	0.01	0.10				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
11	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.46	kN	29	0.16	kN	29	0.49	kN	kN m	125
		-12.9			-4.6			-6056.0	-4.393e+05	

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
69	0.02	0.08	0.0	124,125,0	0.01	4.15e-03	0.01125,120,121	0.09	125	0.86	0.06	0.94	
	0.0	8.30e-03	0.0	0,4,0	0.01	1.50e-03	1.50e-03125,120,120			0.0	0.0	0.0	
123	0.04	0.10	0.0	125,124,0	0.01	2.97e-03	0.01125,126,124	0.09	125	0.86	0.06	0.94	
	0.0	6.97e-03	0.0	0,4,0	0.01	1.16e-03	1.16e-03125,120,120			0.0	0.0	0.0	
136	0.02	0.08	0.0	124,125,0	3.60e-03	4.15e-03	0.01125,120,121	0.05	125	0.86	0.06	0.94	
	0.0	8.30e-03	0.0	0,4,0	3.58e-03	1.50e-03	1.50e-03125,120,120			0.0	0.0	0.0	
442	0.04	0.10	0.0	125,124,0	0.01	3.27e-03	0.01125,123,124	0.09	125	0.86	0.06	0.94	
	0.0	7.32e-03	0.0	0,4,0	0.01	1.30e-03	1.30e-03125,120,120			0.0	0.0	0.0	
444	0.04	0.10	0.0	125,124,0	0.01	2.97e-03	0.01125,126,124	0.09	125	0.86	0.06	0.94	
	5.45e-04	6.97e-03	0.0	125,4,0	0.01	1.16e-03	1.16e-03125,120,120			1.00	0.04	0.96	
445	0.04	0.10	0.0	125,124,0	0.01	3.27e-03	0.01125,123,124	0.09	125	0.86	0.06	0.94	
	1.09e-03	7.32e-03	0.0	125,4,0	0.01	1.30e-03	1.30e-03125,120,120			1.00	0.04	0.96	
446	0.03	0.09	0.0	125,124,0	0.01	1.86e-03	0.01125,126,124	0.08	125	0.86	0.06	0.94	
	5.45e-04	2.55e-03	0.0	125,124,0	0.01	3.32e-04	3.32e-04125,121,121			1.00	0.04	0.96	
447	0.03	0.09	0.0	125,124,0	0.02	2.20e-03	0.01125,126,124	0.10	125	0.86	0.06	0.94	
	1.09e-03	3.31e-03	0.0	125,124,0	0.02	3.39e-04	3.39e-04125,121,121			1.00	0.04	0.96	
448	0.02	0.08	0.0	125,124,0	8.36e-03	1.41e-03	0.01125,120,120	0.07	125	0.86	0.06	0.94	
	2.04e-03	3.96e-03	0.0	125,124,0	8.36e-03	1.10e-04	1.10e-04125,120,120			1.00	0.04	0.96	
449	0.02	0.08	0.0	125,124,0	0.02	1.41e-03	0.01125,120,120	0.10	125	0.86	0.06	0.94	
	2.79e-03	3.96e-03	0.0	125,124,0	0.02	1.29e-04	1.29e-04125,120,120			1.00	0.04	0.96	
450	5.53e-03	0.08	0.0	121,4,0	7.68e-03	2.57e-03	0.01125,123,120	0.07	125	0.86	0.06	0.94	
	2.96e-03	0.02	0.0	124,4,0	7.67e-03	3.26e-04	3.26e-04125,121,121			1.00	0.04	0.96	
451	5.53e-03	0.08	0.0	121,4,0	0.02	2.57e-03	0.01125,123,120	0.10	125	0.86	0.06	0.94	
	4.75e-03	0.02	0.0	124,4,0	0.02	3.26e-04	3.26e-04125,121,121			1.00	0.04	0.96	
452	0.0	0.08	0.0	0,4,0	7.68e-03	4.25e-03	0.01125,120,120	0.07	125	0.0	0.0	0.0	
	5.28e-03	0.02	0.0	124,125,0	7.67e-03	1.79e-03	1.79e-03125,120,120			1.00	0.04	0.96	
453	0.0	0.08	0.0	0,4,0	0.01	4.25e-03	0.01125,120,120	0.09	125	0.0	0.0	0.0	
	7.07e-03	0.02	0.0	124,125,0	0.01	1.79e-03	1.79e-03125,120,120			1.00	0.04	0.96	
454	0.0	0.07	0.0	0,4,0	5.59e-04	4.25e-03	9.93e-03125,120,123	0.02	125	0.0	0.0	0.0	
	5.28e-03	0.02	0.0	124,125,0	5.53e-04	1.79e-03	1.79e-03125,120,120			1.00	0.04	0.96	
455	0.0	0.07	0.0	0,4,0	3.09e-03	4.25e-03	9.93e-03125,120,123	0.04	125	0.0	0.0	0.0	
	7.07e-03	0.02	0.0	124,125,0	3.08e-03	1.79e-03	1.79e-03125,120,120			1.00	0.04	0.96	
456	0.02	0.08	0.0	124,125,0	0.01	4.15e-03	0.01125,120,121	0.09	125	0.86	0.06	0.94	

	1.09e-03	8.30e-03	0.0	125,4,0	0.01	1.50e-03	1.50e-03	125,120,120		1.00	0.04	0.96	
457	0.02	0.08	0.0	124,125,0	0.02	2.88e-03	0.01	125,120,121	0.10	125	0.86	0.06	0.94
	1.09e-03	3.31e-03	0.0	125,124,0	0.02	3.54e-04	3.54e-04	125,121,121		1.00	0.04	0.96	
458	0.01	0.07	0.0	120,121,0	0.02	1.66e-03	0.01	125,120,121	0.10	125	0.86	0.06	0.94
	2.79e-03	3.03e-03	0.0	125,124,0	0.02	1.51e-04	1.51e-04	125,120,120		1.00	0.04	0.96	
459	3.26e-03	0.06	0.0	119,4,0	0.02	2.17e-03	8.96e-03	125,120,122	0.10	125	0.86	0.06	0.94
	4.75e-03	8.36e-03	0.0	124,125,0	0.02	2.68e-04	2.68e-04	125,113,113		1.00	0.04	0.96	
460	0.0	0.06	0.0	0,4,0	0.01	3.57e-03	8.93e-03	125,121,125	0.09	125	0.0	0.0	0.0
	7.07e-03	0.01	0.0	124,125,0	0.01	1.21e-03	1.21e-03	125,120,120		1.00	0.04	0.96	
461	0.0	0.06	0.0	0,4,0	3.09e-03	3.57e-03	7.86e-03	125,121,121	0.04	125	0.0	0.0	0.0
	7.07e-03	0.01	0.0	124,125,0	3.08e-03	1.21e-03	1.21e-03	125,120,120		1.00	0.04	0.96	
462	0.02	0.08	0.0	124,125,0	4.14e-03	4.15e-03	0.01	125,120,121	0.05	125	0.86	0.06	0.94
	0.0	8.30e-03	0.0	0,4,0	4.12e-03	1.50e-03	1.50e-03	125,120,120		0.0	0.0	0.0	
463	0.02	0.08	0.0	124,125,0	4.68e-03	2.88e-03	0.01	125,120,121	0.05	125	0.86	0.06	0.94
	0.0	2.83e-03	0.0	0,4,0	4.67e-03	3.54e-04	3.54e-04	125,121,121		0.0	0.0	0.0	
464	0.01	0.07	0.0	120,121,0	5.33e-03	1.66e-03	0.01	125,120,121	0.06	125	0.86	0.06	0.94
	9.43e-04	1.33e-03	0.0	125,124,0	5.32e-03	1.51e-04	1.51e-04	125,120,120		1.00	0.04	0.96	
465	3.26e-03	0.06	0.0	119,4,0	5.59e-03	1.95e-03	8.96e-03	125,126,122	0.06	125	0.86	0.06	0.94
	9.43e-04	3.01e-03	0.0	125,4,0	5.58e-03	2.54e-04	2.54e-04	125,113,113		1.00	0.04	0.96	
466	0.0	0.06	0.0	0,4,0	5.59e-03	3.35e-03	8.93e-03	125,126,125	0.06	125	0.0	0.0	0.0
	4.19e-04	7.24e-03	0.0	124,4,0	5.58e-03	7.04e-04	7.04e-04	125,112,112		1.00	0.04	0.96	
467	0.0	0.06	0.0	0,4,0	9.99e-04	3.35e-03	7.31e-03	124,126,122	0.02	124	0.0	0.0	0.0
	0.0	7.24e-03	0.0	0,4,0	9.93e-04	7.04e-04	7.04e-04	124,112,112		0.0	0.0	0.0	
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.04	0.10	0.0		0.02	4.25e-03	0.01		0.10				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
12	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.89	kN			kN			kN	kN m				
		86.6	28	0.74	72.5	28	0.74	1.645e+04	-8.705e+06	117			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
87	0.07	0.20	0.0	124,125,0	0.13	9.48e-03	0.03	125,113,121	0.28	125	0.86	0.06	0.94
	0.03	0.03	0.0	124,125,0	0.13	0.02	0.02	125,114,114		1.00	0.04	0.96	
241	0.05	0.09	0.0	118,115,0	0.07	0.01	0.02	124,113,115	0.21	124	0.86	0.06	0.94
	0.04	0.03	0.0	113,118,0	0.07	0.01	0.01	124,118,118		1.00	0.04	0.96	
247	0.04	0.09	0.0	118,115,0	0.05	3.82e-03	0.01	124,121,115	0.17	124	0.86	0.06	0.94
	0.04	0.03	0.0	113,118,0	0.05	0.02	0.02	124,114,114		1.00	0.04	0.96	
254	0.05	0.09	0.0	118,115,0	0.07	0.01	0.02	124,113,115	0.21	124	0.86	0.06	0.94
	0.02	0.01	0.0	113,112,0	0.07	0.01	0.01	124,118,118		1.00	0.04	0.96	
261	0.05	0.06	0.0	113,112,0	0.05	5.55e-03	0.01	125,118,115	0.17	125	0.86	0.06	0.94
	0.02	0.01	0.0	111,114,0	0.05	4.17e-03	4.17e-03	125,126,126		1.00	0.04	0.96	
268	0.07	0.07	0.0	113,112,0	0.04	3.03e-03	0.01	125,122,112	0.15	125	0.86	0.06	0.94
	0.02	0.02	0.0	115,118,0	0.04	1.80e-03	1.80e-03	125,112,112		1.00	0.04	0.96	
275	0.09	0.09	0.0	113,112,0	0.03	6.40e-03	0.02	125,122,120	0.13	125	0.86	0.06	0.94
	0.02	0.02	0.0	117,118,0	0.03	1.52e-03	1.52e-03	125,113,113		1.00	0.04	0.96	
282	0.15	0.13	0.0	117,116,0	0.02	0.01	0.03	141,118,112	0.10	141	0.86	0.06	0.94
	0.02	0.02	0.0	117,118,0	0.02	6.76e-03	6.76e-03	141,118,118		1.00	0.04	0.96	
288	0.15	0.13	0.0	117,116,0	0.01	0.01	0.03	135,118,112	0.08	135	0.86	0.06	0.94
	0.01	0.01	0.0	115,118,0	0.01	6.76e-03	6.76e-03	135,118,118		1.00	0.04	0.96	
468	0.04	0.09	0.0	118,115,0	0.05	3.82e-03	0.01	124,121,115	0.17	124	0.86	0.06	0.94
	0.04	0.03	0.0	113,118,0	0.05	0.02	0.02	124,114,114		1.00	0.04	0.96	
469	0.02	0.03	0.0	113,112,0	0.05	3.77e-03	7.66e-03	124,111,116	0.17	124	0.86	0.06	0.94
	0.05	0.04	0.0	116,117,0	0.05	0.02	0.02	124,114,114		1.00	0.04	0.96	
470	0.01	0.03	0.0	3,112,0	0.05	3.77e-03	7.66e-03	124,111,116	0.17	124	0.86	0.06	0.94
	0.05	0.04	0.0	116,117,0	0.05	0.02	0.02	124,114,114		1.00	0.04	0.96	
471	0.04	0.07	0.0	118,115,0	0.05	2.70e-03	0.01	124,114,112	0.17	124	0.86	0.06	0.94
	0.03	0.03	0.0	112,113,0	0.05	0.02	0.02	124,113,113		1.00	0.04	0.96	
472	0.02	0.03	0.0	113,112,0	0.05	1.59e-03	7.10e-03	124,117,112	0.17	124	0.86	0.06	0.94
	0.02	0.03	0.0	116,117,0	0.05	8.82e-03	8.82e-03	124,113,113		1.00	0.04	0.96	
473	0.03	0.06	0.0	118,115,0	0.04	3.86e-03	0.01	124,117,116	0.16	124	0.86	0.06	0.94
	0.02	0.02	0.0	112,113,0	0.04	0.01	0.01	124,113,113		1.00	0.04	0.96	
474	0.02	0.03	0.0	113,112,0	0.04	3.12e-03	7.10e-03	124,117,112	0.16	124	0.86	0.06	0.94
	0.01	0.02	0.0	116,117,0	0.04	6.02e-03	6.02e-03	124,113,113		1.00	0.04	0.96	
475	0.01	0.04	0.0	118,115,0	0.04	5.39e-03	0.01	124,117,112	0.16	124	0.86	0.06	0.94
	0.05	0.04	0.0	125,124,0	0.04	0.01	0.01	124,125,125		1.00	0.04	0.96	

476	9.85e-03	0.03	0.0	117,116,0	0.04	3.12e-03	6.32e-03	124,117,116	0.16	124	0.86	0.06	0.94
	0.03	0.03	0.0	125,124,0	0.04	4.55e-03	4.55e-03	125,125			1.00	0.04	0.96
477	9.85e-03	0.03	0.0	117,4,0	0.04	5.39e-03	8.97e-03	124,117,111	0.15	124	0.86	0.06	0.94
	0.05	0.04	0.0	125,124,0	0.04	0.01	0.01	124,125,125			1.00	0.04	0.96
478	9.85e-03	0.03	0.0	117,116,0	0.04	3.13e-03	6.54e-03	124,117,116	0.15	124	0.86	0.06	0.94
	0.03	0.03	0.0	125,124,0	0.04	4.55e-03	4.55e-03	125,125			1.00	0.04	0.96
479	9.30e-03	0.03	0.0	117,116,0	0.03	3.13e-03	6.54e-03	124,117,116	0.12	124	0.86	0.06	0.94
	0.04	0.03	0.0	125,124,0	0.03	4.06e-03	4.06e-03	125,125			1.00	0.04	0.96
480	9.30e-03	0.03	0.0	117,116,0	0.03	3.13e-03	6.54e-03	124,117,116	0.12	124	0.86	0.06	0.94
	0.03	0.03	0.0	125,124,0	0.03	4.06e-03	4.06e-03	125,125			1.00	0.04	0.96
481	0.02	4.29e-03	0.0	3,112,0	0.03	3.52e-03	3.52e-03	113,113	0.14	124	0.86	0.06	0.94
	0.07	0.06	0.0	116,117,0	0.03	0.01	0.01	116,116			1.00	0.04	0.96
482	0.02	3.93e-04	0.0	3,120,0	0.03	3.52e-03	3.52e-03	113,113	0.14	124	0.86	0.06	0.94
	0.07	0.06	0.0	116,117,0	0.03	0.01	0.01	116,116			1.00	0.04	0.96
483	0.01	7.52e-03	0.0	113,112,0	0.03	1.80e-03	3.25e-03	117,112	0.14	124	0.86	0.06	0.94
	0.03	0.03	0.0	112,113,0	0.03	6.25e-03	6.25e-03	112,112			1.00	0.04	0.96
484	9.83e-03	9.97e-03	0.0	113,124,0	0.03	1.80e-03	3.91e-03	117,116	0.14	124	0.86	0.06	0.94
	0.01	0.02	0.0	116,117,0	0.03	1.81e-03	1.81e-03	117,117			1.00	0.04	0.96
485	7.72e-03	0.01	0.0	125,11,0	0.03	1.79e-03	3.91e-03	117,116	0.14	124	0.86	0.06	0.94
	0.02	0.03	0.0	125,124,0	0.03	1.91e-03	1.91e-03	125,125			1.00	0.04	0.96
486	4.73e-03	0.02	0.0	125,11,0	0.03	2.08e-03	3.69e-03	125,124	0.14	124	0.86	0.06	0.94
	0.03	0.03	0.0	125,124,0	0.03	1.91e-03	1.91e-03	125,125			1.00	0.04	0.96
487	0.0	0.02	0.0	0,11,0	0.02	2.08e-03	3.69e-03	125,124	0.12	124	0.0	0.0	0.0
	0.03	0.03	0.0	125,124,0	0.02	9.95e-04	9.95e-04	123,123			1.00	0.04	0.96
488	0.02	0.01	0.0	3,11,0	0.03	3.52e-03	3.70e-03	113,125	0.14	125	0.86	0.06	0.94
	0.07	0.06	0.0	116,117,0	0.03	0.01	0.01	114,114			1.00	0.04	0.96
489	0.02	0.01	0.0	3,124,0	0.03	3.52e-03	3.52e-03	113,113	0.13	125	0.86	0.06	0.94
	0.07	0.06	0.0	116,117,0	0.03	0.01	0.01	114,114			1.00	0.04	0.96
490	0.01	0.02	0.0	3,125,0	0.03	1.80e-03	5.01e-03	117,125	0.14	125	0.86	0.06	0.94
	0.03	0.03	0.0	112,113,0	0.03	5.53e-03	5.53e-03	117,117			1.00	0.04	0.96
491	6.16e-03	0.03	0.0	125,125,0	0.03	1.80e-03	5.01e-03	117,125	0.14	125	0.86	0.06	0.94
	0.01	0.02	0.0	124,125,0	0.03	2.32e-03	2.32e-03	117,117			1.00	0.04	0.96
492	5.47e-03	0.04	0.0	124,4,0	0.03	1.58e-03	6.36e-03	122,125	0.14	125	0.86	0.06	0.94
	0.02	0.03	0.0	125,124,0	0.03	1.37e-03	1.37e-03	117,117			1.00	0.04	0.96
493	1.93e-03	0.04	0.0	124,4,0	0.03	2.66e-03	6.36e-03	122,125	0.14	125	0.86	0.06	0.94
	0.03	0.03	0.0	125,124,0	0.03	1.10e-03	1.10e-03	111,111			1.00	0.04	0.96
494	0.0	0.04	0.0	0,4,0	0.02	2.66e-03	6.31e-03	122,125	0.10	124	0.0	0.0	0.0
	0.03	0.03	0.0	125,124,0	0.02	1.10e-03	1.10e-03	111,111			1.00	0.04	0.96
495	0.07	0.20	0.0	124,125,0	0.13	9.48e-03	0.03	113,121	0.28	125	0.86	0.06	0.94
	0.06	0.05	0.0	112,113,0	0.13	0.02	0.02	114,114			1.00	0.04	0.96
496	0.07	0.20	0.0	124,125,0	0.13	9.48e-03	0.03	113,121	0.28	125	0.86	0.06	0.94
	0.06	0.05	0.0	112,113,0	0.13	0.02	0.02	114,114			1.00	0.04	0.96
497	0.06	0.18	0.0	124,125,0	0.07	3.91e-03	0.03	121,125	0.20	125	0.86	0.06	0.94
	0.02	0.02	0.0	112,113,0	0.07	5.53e-03	5.53e-03	117,117			1.00	0.04	0.96
498	0.04	0.15	0.0	124,125,0	0.04	1.85e-03	0.02	120,125	0.15	125	0.86	0.06	0.94
	8.56e-03	0.01	0.0	120,121,0	0.04	2.32e-03	2.32e-03	117,117			1.00	0.04	0.96
499	0.03	0.13	0.0	124,125,0	0.03	2.15e-03	0.02	122,125	0.14	125	0.86	0.06	0.94
	0.02	0.03	0.0	125,124,0	0.03	6.71e-04	6.71e-04	116,116			1.00	0.04	0.96
500	0.01	0.11	0.0	124,4,0	0.03	3.28e-03	0.02	122,125	0.14	125	0.86	0.06	0.94
	0.03	0.04	0.0	125,124,0	0.03	1.10e-03	1.10e-03	111,111			1.00	0.04	0.96
501	4.15e-03	0.09	0.0	124,4,0	0.02	3.28e-03	0.01	122,125	0.10	125	0.86	0.06	0.94
	0.03	0.04	0.0	125,124,0	0.02	1.10e-03	1.10e-03	111,111			1.00	0.04	0.96
502	0.07	0.20	0.0	124,125,0	0.13	9.48e-03	0.03	113,121	0.28	125	0.86	0.06	0.94
	0.03	0.03	0.0	124,125,0	0.13	0.02	0.02	114,114			1.00	0.04	0.96
503	0.06	0.18	0.0	124,125,0	0.07	3.91e-03	0.03	121,125	0.20	125	0.86	0.06	0.94
	4.40e-03	0.01	0.0	118,118,0	0.07	2.51e-03	2.51e-03	113,113			1.00	0.04	0.96
504	0.04	0.15	0.0	124,125,0	0.04	1.85e-03	0.02	120,125	0.15	125	0.86	0.06	0.94
	5.59e-03	9.09e-03	0.0	124,125,0	0.04	9.88e-04	9.88e-04	113,113			1.00	0.04	0.96
505	0.03	0.13	0.0	124,125,0	0.02	2.15e-03	0.02	122,125	0.11	125	0.86	0.06	0.94
	0.02	0.03	0.0	125,124,0	0.02	6.71e-04	6.71e-04	116,116			1.00	0.04	0.96
506	0.01	0.11	0.0	124,4,0	0.02	3.28e-03	0.02	122,125	0.10	125	0.86	0.06	0.94
	0.03	0.04	0.0	125,124,0	0.02	6.50e-04	6.50e-04	126,126			1.00	0.04	0.96
507	4.15e-03	0.09	0.0	124,4,0	3.14e-03	3.28e-03	0.01	122,125	0.04	125	0.86	0.06	0.94
	0.03	0.04	0.0	125,124,0	3.12e-03	6.50e-04	6.50e-04	126,126			1.00	0.04	0.96
508	0.05	0.09	0.0	118,115,0	0.08	0.01	0.02	113,115	0.22	124	0.86	0.06	0.94
	0.04	0.03	0.0	113,118,0	0.08	0.02	0.02	118,118			1.00	0.04	0.96
509	0.05	0.08	0.0	118,115,0	0.09	3.02e-03	0.01	124,114,115	0.23	124	0.86	0.06	0.94
	0.03	0.03	0.0	112,113,0	0.09	0.02	0.02	118,118			1.00	0.04	0.96
510	0.03	0.07	0.0	118,115,0	0.09	5.21e-03	0.01	124,114,115	0.23	124	0.86	0.06	0.94
	0.03	0.02	0.0	114,114,0	0.09	0.02	0.02	118,118			1.00	0.04	0.96
511	0.02	0.05	0.0	118,115,0	0.09	0.01	0.02	124,117,111	0.23	124	0.86	0.06	0.94
	0.06	0.05	0.0	117,116,0	0.09	0.02	0.02	115,115			1.00	0.04	0.96
512	0.03	0.06	0.0	116,117,0	0.08	0.04	0.07	124,116,117	0.22	124	0.86	0.06	0.94
	0.12	0.08	0.0	125,116,0	0.08	0.02	0.02	115,115			1.00	0.04	0.96
513	0.03	0.06	0.0	116,117,0	0.07	0.04	0.07	124,116,117	0.20	124	0.86	0.06	0.94

	0.12	0.08	0.0 125,116,0	0.07	7.13e-03	7.13e-03124,125,125			1.00	0.04	0.96
526	0.05	0.09	0.0 118,115,0	0.08	0.01	0.02124,113,115	0.22	124	0.86	0.06	0.94
	0.03	0.02	0.0 112,113,0	0.08	0.02	0.02124,118,118			1.00	0.04	0.96
527	0.05	0.08	0.0 118,115,0	0.09	3.02e-03	0.01124,114,115	0.23	124	0.86	0.06	0.94
	0.03	0.03	0.0 111,114,0	0.09	0.02	0.02124,118,118			1.00	0.04	0.96
528	0.04	0.07	0.0 118,115,0	0.09	6.41e-03	0.01124,114,115	0.23	124	0.86	0.06	0.94
	0.06	0.04	0.0 114,111,0	0.09	0.02	0.02124,118,118			1.00	0.04	0.96
529	0.04	0.05	0.0 114,111,0	0.09	0.01	0.02124,114,111	0.23	124	0.86	0.06	0.94
	0.08	0.06	0.0 114,111,0	0.09	0.02	0.02124,115,115			1.00	0.04	0.96
530	0.05	0.06	0.0 114,117,0	0.08	0.04	0.07124,116,117	0.22	124	0.86	0.06	0.94
	0.12	0.08	0.0 125,116,0	0.08	0.02	0.02124,115,115			1.00	0.04	0.96
531	0.05	0.06	0.0 114,117,0	0.07	0.04	0.07124,116,117	0.20	124	0.86	0.06	0.94
	0.12	0.08	0.0 125,116,0	0.07	0.01	0.01124,125,125			1.00	0.04	0.96
532	0.05	0.06	0.0 113,115,0	0.05	5.55e-03	0.01125,118,115	0.18	125	0.86	0.06	0.94
	0.04	0.03	0.0 111,114,0	0.05	0.01	0.01125,118,118			1.00	0.04	0.96
533	0.05	0.06	0.0 113,115,0	0.06	2.61e-03	0.01125,115,115	0.19	125	0.86	0.06	0.94
	0.06	0.04	0.0 114,114,0	0.06	0.01	0.01125,118,118			1.00	0.04	0.96
534	0.05	0.06	0.0 113,115,0	0.06	6.41e-03	0.01125,114,116	0.19	125	0.86	0.06	0.94
	0.07	0.05	0.0 114,111,0	0.06	0.01	0.01125,118,118			1.00	0.04	0.96
535	0.04	0.05	0.0 113,111,0	0.06	0.01	0.02125,114,111	0.19	125	0.86	0.06	0.94
	0.08	0.06	0.0 114,111,0	0.06	9.25e-03	9.25e-03125,115,115			1.00	0.04	0.96
536	0.05	0.06	0.0 114,111,0	0.06	0.01	0.03125,114,111	0.19	125	0.86	0.06	0.94
	0.08	0.06	0.0 114,111,0	0.06	0.01	0.01125,125,125			1.00	0.04	0.96
537	0.05	0.06	0.0 114,111,0	0.06	0.01	0.03125,116,111	0.18	125	0.86	0.06	0.94
	0.08	0.06	0.0 117,116,0	0.06	0.01	0.01125,125,125			1.00	0.04	0.96
538	0.07	0.07	0.0 113,112,0	0.04	3.03e-03	0.01125,122,115	0.16	125	0.86	0.06	0.94
	0.05	0.04	0.0 114,111,0	0.04	4.59e-03	4.59e-03125,113,113			1.00	0.04	0.96
539	0.06	0.07	0.0 113,112,0	0.05	2.28e-03	0.01125,118,115	0.17	125	0.86	0.06	0.94
	0.06	0.05	0.0 118,118,0	0.05	4.62e-03	4.62e-03125,118,118			1.00	0.04	0.96
540	0.06	0.06	0.0 113,112,0	0.05	5.18e-03	0.01125,114,116	0.17	125	0.86	0.06	0.94
	0.07	0.05	0.0 114,111,0	0.05	5.94e-03	5.94e-03125,114,114			1.00	0.04	0.96
541	0.05	0.06	0.0 117,116,0	0.05	6.41e-03	0.01125,114,111	0.17	125	0.86	0.06	0.94
	0.07	0.05	0.0 114,111,0	0.05	7.84e-03	7.84e-03125,125,125			1.00	0.04	0.96
542	0.05	0.06	0.0 117,116,0	0.05	6.41e-03	0.01125,114,111	0.17	125	0.86	0.06	0.94
	0.07	0.05	0.0 114,111,0	0.05	7.84e-03	7.84e-03125,125,125			1.00	0.04	0.96
543	0.05	0.05	0.0 117,115,0	0.04	4.27e-03	0.01125,111,111	0.16	125	0.86	0.06	0.94
	0.06	0.04	0.0 114,111,0	0.04	6.61e-03	6.61e-03125,125,125			1.00	0.04	0.96
544	0.09	0.09	0.0 117,112,0	0.03	6.40e-03	0.02125,122,120	0.14	125	0.86	0.06	0.94
	0.05	0.04	0.0 114,111,0	0.03	4.37e-03	4.37e-03125,114,114			1.00	0.04	0.96
545	0.09	0.09	0.0 117,116,0	0.03	3.18e-03	0.01125,114,116	0.14	125	0.86	0.06	0.94
	0.06	0.05	0.0 118,118,0	0.03	8.52e-03	8.52e-03125,114,114			1.00	0.04	0.96
546	0.09	0.08	0.0 117,116,0	0.03	2.87e-03	0.01125,114,116	0.14	125	0.86	0.06	0.94
	0.06	0.05	0.0 118,118,0	0.03	9.00e-03	9.00e-03125,114,114			1.00	0.04	0.96
547	0.08	0.08	0.0 117,116,0	0.03	3.15e-03	0.01125,114,116	0.14	125	0.86	0.06	0.94
	0.06	0.04	0.0 118,115,0	0.03	9.00e-03	9.00e-03125,114,114			1.00	0.04	0.96
548	0.07	0.06	0.0 117,116,0	0.03	3.15e-03	0.01125,114,116	0.14	125	0.86	0.06	0.94
	0.05	0.04	0.0 118,115,0	0.03	7.60e-03	7.60e-03125,118,118			1.00	0.04	0.96
549	0.06	0.06	0.0 117,116,0	0.03	2.24e-03	9.97e-03125,127,111	0.13	125	0.86	0.06	0.94
	0.04	0.03	0.0 118,115,0	0.03	5.66e-03	5.66e-03125,113,113			1.00	0.04	0.96
550	0.15	0.13	0.0 117,116,0	0.02	0.01	0.03141,118,112	0.10	141	0.86	0.06	0.94
	0.04	0.03	0.0 114,111,0	0.02	0.02	0.02141,118,118			1.00	0.04	0.96
551	0.14	0.12	0.0 117,116,0	0.02	3.62e-03	0.02141,114,116	0.11	141	0.86	0.06	0.94
	0.05	0.04	0.0 115,118,0	0.02	0.02	0.02141,118,118			1.00	0.04	0.96
552	0.13	0.11	0.0 117,116,0	0.02	2.18e-03	0.02141,117,116	0.11	141	0.86	0.06	0.94
	0.05	0.04	0.0 115,118,0	0.02	0.01	0.01141,118,118			1.00	0.04	0.96
553	0.11	0.09	0.0 117,116,0	0.02	2.18e-03	0.01141,117,116	0.11	141	0.86	0.06	0.94
	0.04	0.03	0.0 115,118,0	0.02	0.01	0.01141,118,118			1.00	0.04	0.96
554	0.09	0.08	0.0 113,112,0	0.02	9.02e-03	0.02141,122,124	0.10	141	0.86	0.06	0.94
	0.04	0.03	0.0 141,141,0	0.02	9.24e-03	9.24e-03141,118,118			1.00	0.04	0.96
555	0.08	0.07	0.0 117,116,0	0.01	9.02e-03	0.02141,122,124	0.09	141	0.86	0.06	0.94
	0.04	0.03	0.0 141,141,0	0.01	9.24e-03	9.24e-03141,128,128			1.00	0.04	0.96
556	0.15	0.13	0.0 117,116,0	0.01	0.01	0.03135,118,112	0.08	135	0.86	0.06	0.94
	0.02	0.02	0.0 115,118,0	0.01	0.02	0.02135,118,118			1.00	0.04	0.96
557	0.14	0.12	0.0 117,116,0	0.01	3.62e-03	0.02135,114,116	0.08	135	0.86	0.06	0.94
	0.02	0.02	0.0 115,118,0	0.01	0.02	0.02135,118,118			1.00	0.04	0.96
558	0.13	0.11	0.0 117,116,0	0.01	8.57e-04	0.02135,113,116	0.08	135	0.86	0.06	0.94
	0.02	0.01	0.0 118,118,0	0.01	0.01	0.01135,118,118			1.00	0.04	0.96
559	0.11	0.09	0.0 117,116,0	0.01	8.57e-04	0.01135,113,116	0.08	135	0.86	0.06	0.94
	0.02	0.01	0.0 115,118,0	0.01	0.01	0.01135,118,118			1.00	0.04	0.96
560	0.09	0.08	0.0 113,112,0	0.01	8.29e-03	0.01135,117,116	0.08	135	0.86	0.06	0.94
	0.01	7.66e-03	0.0 118,115,0	0.01	9.24e-03	9.24e-03135,118,118			1.00	0.04	0.96
561	0.08	0.07	0.0 117,116,0	9.88e-03	9.02e-03	0.02135,122,124	0.08	135	0.86	0.06	0.94
	0.04	0.03	0.0 141,141,0	9.88e-03	9.24e-03	9.24e-03135,128,128			1.00	0.04	0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26

0.15 0.20 0.0 0.13 0.04 0.07 0.28

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
13	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	NV

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
NV	0.90	-34.1	21	0.77	-29.1	21	1.00	1.658e+04	-4.587e+05	112

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
234	0.27	0.29	0.0	112,113,0	0.07	3.17e-03	0.04	117,134,113	0.20	117	0.86	0.06	0.94
	7.88e-04	4.97e-03	0.0	113,112,0	0.07	1.67e-03	1.67e-03	117,119,119			1.00	0.04	0.96
235	0.27	0.29	0.0	112,113,0	0.25	3.17e-03	0.04	117,134,113	0.38	117	0.86	0.06	0.94
	7.88e-04	4.97e-03	0.0	113,112,0	0.25	1.67e-03	1.67e-03	117,119,119			1.00	0.04	0.96
241	0.02	0.05	0.0	120,121,0	0.25	1.32e-03	7.34e-03	117,4,125	0.38	117	0.86	0.06	0.94
	0.0	3.47e-03	0.0	0,4,0	0.25	1.14e-03	1.14e-03	117,134,134			0.0	0.0	0.0
508	0.02	0.06	0.0	112,113,0	0.25	1.32e-03	7.34e-03	117,4,125	0.38	117	0.86	0.06	0.94
	4.33e-03	4.48e-03	0.0	116,117,0	0.25	1.30e-03	1.30e-03	117,133,133			1.00	0.04	0.96
509	0.03	0.06	0.0	112,117,0	0.22	1.30e-03	7.94e-03	117,121,121	0.36	117	0.86	0.06	0.94
	4.33e-03	4.48e-03	0.0	116,117,0	0.22	1.30e-03	1.30e-03	117,133,133			1.00	0.04	0.96
510	0.03	0.06	0.0	116,117,0	0.21	2.06e-03	8.30e-03	117,124,125	0.35	117	0.86	0.06	0.94
	2.76e-03	2.49e-03	0.0	112,113,0	0.21	1.08e-03	1.08e-03	117,141,141			1.00	0.04	0.96
511	0.04	0.06	0.0	116,117,0	0.19	2.54e-03	9.73e-03	117,125,125	0.34	117	0.86	0.06	0.94
	2.07e-03	2.13e-03	0.0	111,114,0	0.19	9.98e-04	9.98e-04	117,133,133			1.00	0.04	0.96
512	0.04	0.06	0.0	116,117,0	0.18	2.65e-03	9.73e-03	117,140,125	0.33	117	0.86	0.06	0.94
	3.10e-03	2.96e-03	0.0	116,125,0	0.18	8.78e-04	8.78e-04	117,124,124			1.00	0.04	0.96
513	0.06	0.07	0.0	116,117,0	0.18	2.89e-03	8.59e-03	117,140,125	0.33	117	0.86	0.06	0.94
	0.03	0.02	0.0	125,124,0	0.18	1.82e-03	1.82e-03	117,113,113			1.00	0.04	0.96
514	0.27	0.29	0.0	112,113,0	0.25	3.17e-03	0.04	117,134,113	0.38	117	0.86	0.06	0.94
	4.33e-03	4.97e-03	0.0	116,112,0	0.25	1.67e-03	1.67e-03	117,119,119			1.00	0.04	0.96
515	0.22	0.24	0.0	112,113,0	0.22	2.16e-03	0.03	117,134,117	0.36	117	0.86	0.06	0.94
	4.33e-03	4.48e-03	0.0	116,117,0	0.22	1.30e-03	1.30e-03	117,133,133			1.00	0.04	0.96
516	0.18	0.20	0.0	112,113,0	0.21	2.06e-03	0.02	117,124,113	0.35	117	0.86	0.06	0.94
	2.76e-03	2.49e-03	0.0	112,113,0	0.21	1.08e-03	1.08e-03	117,141,141			1.00	0.04	0.96
517	0.14	0.15	0.0	112,113,0	0.19	2.54e-03	0.02	117,125,113	0.34	117	0.86	0.06	0.94
	5.52e-03	4.18e-03	0.0	123,126,0	0.19	9.98e-04	9.98e-04	117,133,133			1.00	0.04	0.96
518	0.10	0.12	0.0	112,113,0	0.18	3.38e-03	0.01	117,133,113	0.33	117	0.86	0.06	0.94
	0.03	0.02	0.0	125,124,0	0.18	1.82e-03	1.82e-03	117,113,113			1.00	0.04	0.96
519	0.07	0.08	0.0	112,113,0	0.15	3.38e-03	0.01	117,133,113	0.30	117	0.86	0.06	0.94
	0.03	0.02	0.0	125,124,0	0.15	1.82e-03	1.82e-03	117,113,113			1.00	0.04	0.96
520	0.27	0.29	0.0	112,113,0	0.07	3.17e-03	0.04	117,134,113	0.20	117	0.86	0.06	0.94
	7.88e-04	4.97e-03	0.0	113,112,0	0.07	1.67e-03	1.67e-03	117,119,119			1.00	0.04	0.96
521	0.22	0.24	0.0	112,113,0	0.06	2.16e-03	0.03	117,134,117	0.19	117	0.86	0.06	0.94
	6.90e-04	1.71e-03	0.0	141,4,0	0.06	6.96e-04	6.96e-04	117,125,125			1.00	0.04	0.96
522	0.18	0.20	0.0	112,113,0	0.06	1.18e-03	0.02	117,124,113	0.19	117	0.86	0.06	0.94
	1.75e-03	1.43e-03	0.0	125,124,0	0.06	4.69e-04	4.69e-04	117,140,140			1.00	0.04	0.96
523	0.14	0.15	0.0	112,113,0	0.06	2.27e-03	0.02	117,140,113	0.19	117	0.86	0.06	0.94
	5.52e-03	4.18e-03	0.0	123,126,0	0.06	9.72e-04	9.72e-04	117,124,124			1.00	0.04	0.96
524	0.10	0.12	0.0	112,113,0	0.06	3.38e-03	0.01	117,133,113	0.19	117	0.86	0.06	0.94
	0.02	0.01	0.0	114,111,0	0.06	1.60e-03	1.60e-03	117,125,125			1.00	0.04	0.96
525	0.07	0.08	0.0	112,113,0	0.06	3.38e-03	0.01	117,133,113	0.19	117	0.86	0.06	0.94
	0.02	0.01	0.0	114,111,0	0.06	1.60e-03	1.60e-03	117,125,125			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.27	0.29	0.0		0.25	3.38e-03	0.04		0.38				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
14	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.82	18.7	19	0.73	16.5	19	0.80	1.181e+04	-6.315e+05	115

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
288	0.12	0.10	0.0	125,124,0	0.04	0.02	0.03	115,140,124	0.16	115	0.86	0.06	0.94
	6.10e-03	3.99e-03	0.0	121,120,0	0.04	4.53e-03	4.53e-03	115,118,118			1.00	0.04	0.96
295	0.12	0.10	0.0	125,124,0	0.05	0.02	0.03	115,140,124	0.17	115	0.86	0.06	0.94
	6.84e-03	4.66e-03	0.0	113,112,0	0.05	4.53e-03	4.53e-03	115,118,118			1.00	0.04	0.96
302	0.24	0.21	0.0	115,118,0	0.05	4.93e-03	0.03	115,127,118	0.17	115	0.86	0.06	0.94
	8.43e-03	5.65e-03	0.0	113,112,0	0.05	2.73e-03	2.73e-03	115,111,111			1.00	0.04	0.96
308	0.24	0.21	0.0	115,118,0	8.88e-03	4.93e-03	0.03	115,127,118	0.07	115	0.86	0.06	0.94
	8.43e-03	5.65e-03	0.0	113,112,0	8.88e-03	2.47e-03	2.47e-03	115,111,111			1.00	0.04	0.96
556	0.12	0.10	0.0	125,124,0	0.04	0.02	0.03	115,140,124	0.16	115	0.86	0.06	0.94
	6.10e-03	3.99e-03	0.0	121,120,0	0.04	4.53e-03	4.53e-03	115,118,118			1.00	0.04	0.96
557	0.08	0.06	0.0	117,116,0	0.04	3.14e-03	0.01	115,124,124	0.15	115	0.86	0.06	0.94
	4.43e-03	3.11e-03	0.0	112,113,0	0.04	2.22e-03	2.22e-03	115,139,139			1.00	0.04	0.96
558	0.06	0.05	0.0	117,116,0	0.04	2.79e-03	7.32e-03	115,124,116	0.15	115	0.86	0.06	0.94
	2.84e-03	1.79e-03	0.0	112,113,0	0.04	3.85e-03	3.85e-03	115,141,141			1.00	0.04	0.96
559	0.05	0.04	0.0	117,116,0	0.04	5.00e-03	9.43e-03	115,125,124	0.15	115	0.86	0.06	0.94
	0.01	0.01	0.0	141,129,0	0.04	6.10e-03	6.10e-03	115,128,128			1.00	0.04	0.96
560	0.04	0.03	0.0	125,124,0	0.04	0.02	0.02	115,141,140	0.15	115	0.86	0.06	0.94
	0.06	0.04	0.0	128,129,0	0.04	0.02	0.02	115,128,128			1.00	0.04	0.96
561	0.04	0.03	0.0	125,124,0	0.04	0.02	0.02	115,141,140	0.15	115	0.86	0.06	0.94
	0.06	0.04	0.0	128,129,0	0.04	0.02	0.02	115,128,128			1.00	0.04	0.96
562	0.12	0.10	0.0	125,124,0	0.05	0.02	0.03	115,140,124	0.17	115	0.86	0.06	0.94
	6.84e-03	4.66e-03	0.0	113,112,0	0.05	4.53e-03	4.53e-03	115,118,118			1.00	0.04	0.96
563	0.08	0.08	0.0	115,118,0	0.05	3.14e-03	0.01	115,124,124	0.16	115	0.86	0.06	0.94
	4.43e-03	3.11e-03	0.0	112,113,0	0.05	2.22e-03	2.22e-03	115,139,139			1.00	0.04	0.96
564	0.08	0.07	0.0	115,118,0	0.04	2.79e-03	9.09e-03	115,124,118	0.16	115	0.86	0.06	0.94
	2.84e-03	1.86e-03	0.0	112,141,0	0.04	3.85e-03	3.85e-03	115,141,141			1.00	0.04	0.96
565	0.07	0.06	0.0	115,118,0	0.04	5.00e-03	9.43e-03	115,125,124	0.15	115	0.86	0.06	0.94
	0.01	0.01	0.0	141,129,0	0.04	6.10e-03	6.10e-03	115,128,128			1.00	0.04	0.96
566	0.06	0.05	0.0	115,118,0	0.04	0.02	0.02	115,141,140	0.15	115	0.86	0.06	0.94
	0.06	0.04	0.0	128,129,0	0.04	0.02	0.02	115,128,128			1.00	0.04	0.96
567	0.05	0.05	0.0	115,118,0	0.04	0.02	0.02	115,141,140	0.15	115	0.86	0.06	0.94
	0.06	0.04	0.0	128,129,0	0.04	0.02	0.02	115,128,128			1.00	0.04	0.96
568	0.24	0.21	0.0	115,118,0	0.05	4.93e-03	0.03	115,127,118	0.17	115	0.86	0.06	0.94
	8.43e-03	5.65e-03	0.0	113,112,0	0.05	2.73e-03	2.73e-03	115,111,111			1.00	0.04	0.96
569	0.21	0.19	0.0	115,118,0	0.05	3.56e-03	0.03	115,130,118	0.16	115	0.86	0.06	0.94
	3.01e-03	2.31e-03	0.0	112,113,0	0.05	9.40e-04	9.40e-04	115,118,118			1.00	0.04	0.96
570	0.19	0.17	0.0	115,118,0	0.04	2.74e-03	0.02	115,114,118	0.16	115	0.86	0.06	0.94
	2.57e-03	1.86e-03	0.0	140,141,0	0.04	7.58e-04	7.58e-04	115,141,141			1.00	0.04	0.96
571	0.17	0.15	0.0	115,118,0	0.04	4.01e-03	0.02	115,125,118	0.15	115	0.86	0.06	0.94
	4.96e-03	3.62e-03	0.0	141,141,0	0.04	3.32e-03	3.32e-03	115,141,141			1.00	0.04	0.96
572	0.15	0.13	0.0	115,118,0	0.04	7.41e-03	0.02	115,140,118	0.15	115	0.86	0.06	0.94
	0.03	0.02	0.0	136,137,0	0.04	0.01	0.01	115,129,129			1.00	0.04	0.96
573	0.13	0.12	0.0	115,118,0	0.03	7.41e-03	0.02	115,140,118	0.14	115	0.86	0.06	0.94
	0.03	0.02	0.0	136,137,0	0.03	0.01	0.01	115,129,129			1.00	0.04	0.96
574	0.24	0.21	0.0	115,118,0	8.88e-03	4.93e-03	0.03	115,127,118	0.07	115	0.86	0.06	0.94
	8.43e-03	5.65e-03	0.0	113,112,0	8.88e-03	2.47e-03	2.47e-03	115,111,111			1.00	0.04	0.96
575	0.21	0.19	0.0	115,118,0	8.76e-03	3.56e-03	0.03	115,130,118	0.07	115	0.86	0.06	0.94
	2.22e-03	1.64e-03	0.0	112,113,0	8.75e-03	9.11e-04	9.11e-04	115,114,114			1.00	0.04	0.96
576	0.19	0.17	0.0	115,118,0	8.34e-03	2.74e-03	0.02	115,114,118	0.07	115	0.86	0.06	0.94
	1.18e-03	8.00e-04	0.0	129,141,0	8.34e-03	7.58e-04	7.58e-04	115,141,141			1.00	0.04	0.96
577	0.17	0.15	0.0	115,118,0	7.91e-03	4.01e-03	0.02	115,125,118	0.07	115	0.86	0.06	0.94
	1.06e-03	8.00e-04	0.0	140,141,0	7.91e-03	7.58e-04	7.58e-04	115,141,141			1.00	0.04	0.96
578	0.15	0.13	0.0	115,118,0	7.41e-03	4.01e-03	0.02	115,125,118	0.07	115	0.86	0.06	0.94
	5.81e-03	4.21e-03	0.0	136,137,0	7.41e-03	5.14e-03	5.14e-03	115,141,141			1.00	0.04	0.96
579	0.13	0.12	0.0	115,118,0	6.84e-03	3.56e-03	0.02	115,125,118	0.06	115	0.86	0.06	0.94
	5.81e-03	4.21e-03	0.0	136,137,0	6.84e-03	5.14e-03	5.14e-03	115,141,141			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.24	0.21	0.0	0.05	0.02	0.03	0.17

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
15	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.82	kN	17	0.73	kN	17	0.80	kN	kN m	113
		-18.7			-16.5			1.181e+04	6.315e+05	

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO							PROGETTO STRUTTURE						
TABULATI DI CALCOLO BLOCCO SERVIZI CENTRALE							PAG. 708 DI 722						

189	0.12	0.10	0.0	119,122,0	0.04	0.02	0.03113,134,122	0.16	113	0.86	0.06	0.94
	6.25e-03	4.12e-03	0.0	119,122,0	0.04	4.86e-03	4.86e-03113,112,112			1.00	0.04	0.96
196	0.12	0.10	0.0	119,122,0	0.05	0.02	0.03113,134,122	0.17	113	0.86	0.06	0.94
	6.25e-03	4.12e-03	0.0	119,122,0	0.05	4.86e-03	4.86e-03113,112,112			1.00	0.04	0.96
203	0.24	0.21	0.0	113,112,0	0.05	4.94e-03	0.03113,137,112	0.17	113	0.86	0.06	0.94
	0.01	7.49e-03	0.0	115,118,0	0.05	2.74e-03	2.74e-03113,117,117			1.00	0.04	0.96
209	0.24	0.21	0.0	113,112,0	8.89e-03	4.94e-03	0.03113,137,112	0.07	113	0.86	0.06	0.94
	0.01	7.49e-03	0.0	115,118,0	8.89e-03	2.43e-03	2.43e-03113,117,117			1.00	0.04	0.96
309	0.12	0.10	0.0	119,122,0	0.04	0.02	0.03113,134,122	0.16	113	0.86	0.06	0.94
	6.25e-03	4.12e-03	0.0	119,122,0	0.04	4.86e-03	4.86e-03113,112,112			1.00	0.04	0.96
311	0.08	0.06	0.0	111,114,0	0.04	3.20e-03	0.01113,122,122	0.15	113	0.86	0.06	0.94
	4.61e-03	3.23e-03	0.0	118,115,0	0.04	2.23e-03	2.23e-03113,133,133			1.00	0.04	0.96
313	0.06	0.05	0.0	111,114,0	0.04	2.80e-03	7.39e-03113,122,114	0.15	113	0.86	0.06	0.94
	2.87e-03	1.80e-03	0.0	118,115,0	0.04	3.84e-03	3.84e-03113,131,131			1.00	0.04	0.96
315	0.05	0.04	0.0	111,114,0	0.04	5.01e-03	9.44e-03113,119,122	0.15	113	0.86	0.06	0.94
	0.01	0.01	0.0	131,135,0	0.04	6.11e-03	6.11e-03113,138,138			1.00	0.04	0.96
317	0.04	0.03	0.0	119,122,0	0.04	0.02	0.02113,131,134	0.15	113	0.86	0.06	0.94
	0.06	0.04	0.0	138,135,0	0.04	0.02	0.02113,138,138			1.00	0.04	0.96
319	0.04	0.03	0.0	119,122,0	0.04	0.02	0.02113,131,134	0.15	113	0.86	0.06	0.94
	0.06	0.04	0.0	138,135,0	0.04	0.02	0.02113,138,138			1.00	0.04	0.96
580	0.24	0.21	0.0	113,112,0	8.89e-03	4.94e-03	0.03113,137,112	0.07	113	0.86	0.06	0.94
	0.01	7.49e-03	0.0	115,118,0	8.89e-03	2.43e-03	2.43e-03113,117,117			1.00	0.04	0.96
581	0.24	0.21	0.0	113,112,0	0.05	4.94e-03	0.03113,137,112	0.17	113	0.86	0.06	0.94
	0.01	7.49e-03	0.0	115,118,0	0.05	2.74e-03	2.74e-03113,117,117			1.00	0.04	0.96
582	0.21	0.19	0.0	113,112,0	8.77e-03	3.55e-03	0.03113,136,112	0.07	113	0.86	0.06	0.94
	3.14e-03	2.24e-03	0.0	118,115,0	8.77e-03	9.20e-04	9.20e-04113,116,116			1.00	0.04	0.96
583	0.21	0.19	0.0	113,112,0	0.05	3.55e-03	0.03113,136,112	0.16	113	0.86	0.06	0.94
	3.14e-03	2.24e-03	0.0	118,115,0	0.05	9.48e-04	9.48e-04113,112,112			1.00	0.04	0.96
584	0.19	0.17	0.0	113,112,0	8.35e-03	2.75e-03	0.02113,116,112	0.07	113	0.86	0.06	0.94
	1.26e-03	8.32e-04	0.0	127,137,0	8.35e-03	7.50e-04	7.50e-04113,131,131			1.00	0.04	0.96
585	0.19	0.17	0.0	113,112,0	0.04	2.75e-03	0.02113,116,112	0.16	113	0.86	0.06	0.94
	2.54e-03	1.84e-03	0.0	134,131,0	0.04	7.50e-04	7.50e-04113,131,131			1.00	0.04	0.96
586	0.17	0.15	0.0	113,112,0	7.92e-03	4.00e-03	0.02113,119,112	0.07	113	0.86	0.06	0.94
	1.08e-03	8.10e-04	0.0	134,131,0	7.92e-03	7.50e-04	7.50e-04113,131,131			1.00	0.04	0.96
587	0.17	0.15	0.0	113,112,0	0.04	4.00e-03	0.02113,119,112	0.15	113	0.86	0.06	0.94
	4.96e-03	3.63e-03	0.0	131,131,0	0.04	3.32e-03	3.32e-03113,131,131			1.00	0.04	0.96
588	0.15	0.13	0.0	113,112,0	7.42e-03	4.00e-03	0.02113,119,112	0.07	113	0.86	0.06	0.94
	5.82e-03	4.21e-03	0.0	130,127,0	7.42e-03	5.15e-03	5.15e-03113,131,131			1.00	0.04	0.96
589	0.15	0.13	0.0	113,112,0	0.04	7.41e-03	0.02113,134,112	0.15	113	0.86	0.06	0.94
	0.03	0.02	0.0	130,127,0	0.04	0.01	0.01113,135,135			1.00	0.04	0.96
590	0.13	0.12	0.0	113,112,0	6.85e-03	3.55e-03	0.02113,119,112	0.06	113	0.86	0.06	0.94
	5.82e-03	4.21e-03	0.0	130,127,0	6.85e-03	5.15e-03	5.15e-03113,131,131			1.00	0.04	0.96
591	0.13	0.12	0.0	113,112,0	0.03	7.41e-03	0.02113,134,112	0.14	113	0.86	0.06	0.94
	0.03	0.02	0.0	130,127,0	0.03	0.01	0.01113,135,135			1.00	0.04	0.96
592	0.12	0.10	0.0	119,122,0	0.05	0.02	0.03113,134,122	0.17	113	0.86	0.06	0.94
	6.25e-03	4.12e-03	0.0	119,122,0	0.05	4.86e-03	4.86e-03113,112,112			1.00	0.04	0.96
593	0.08	0.08	0.0	113,112,0	0.05	3.20e-03	0.01113,122,122	0.16	113	0.86	0.06	0.94
	4.61e-03	3.23e-03	0.0	118,115,0	0.05	2.23e-03	2.23e-03113,133,133			1.00	0.04	0.96
594	0.08	0.07	0.0	113,112,0	0.04	2.80e-03	9.09e-03113,122,112	0.16	113	0.86	0.06	0.94
	2.87e-03	1.84e-03	0.0	118,131,0	0.04	3.84e-03	3.84e-03113,131,131			1.00	0.04	0.96
595	0.07	0.06	0.0	113,112,0	0.04	5.01e-03	9.44e-03113,119,122	0.15	113	0.86	0.06	0.94
	0.01	0.01	0.0	131,135,0	0.04	6.11e-03	6.11e-03113,138,138			1.00	0.04	0.96
596	0.06	0.05	0.0	113,112,0	0.04	0.02	0.02113,131,134	0.15	113	0.86	0.06	0.94
	0.06	0.04	0.0	138,135,0	0.04	0.02	0.02113,138,138			1.00	0.04	0.96
597	0.05	0.05	0.0	113,112,0	0.04	0.02	0.02113,131,134	0.15	113	0.86	0.06	0.94
	0.06	0.04	0.0	138,135,0	0.04	0.02	0.02113,138,138			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.24	0.21	0.0		0.05	0.02	0.03		0.17			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
16	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	NV

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb			
NV	0.90	34.1	15	0.77	29.1	15	1.00	1.657e+04	4.588e+05	118			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B

148	0.02	0.05	0.0	126,123,0	0.25	1.42e-03	7.52e-03	111,119	0.38	111	0.86	0.06	0.94
	8.28e-04	3.60e-03	0.0	114,111,0	0.25	1.31e-03	1.31e-03	111,124,124			1.00	0.04	0.96
216	0.27	0.29	0.0	114,111,0	0.25	3.18e-03	0.04	111,140,115	0.38	111	0.86	0.06	0.94
	2.27e-03	5.32e-03	0.0	115,118,0	0.25	1.35e-03	1.35e-03	111,141,141			1.00	0.04	0.96
222	0.27	0.29	0.0	114,111,0	0.07	3.18e-03	0.04	111,140,115	0.20	111	0.86	0.06	0.94
	2.27e-03	5.32e-03	0.0	115,118,0	0.07	1.35e-03	1.35e-03	111,141,141			1.00	0.04	0.96
345	0.02	0.06	0.0	118,115,0	0.25	1.42e-03	7.52e-03	111,119	0.38	111	0.86	0.06	0.94
	4.13e-03	4.34e-03	0.0	114,111,0	0.25	1.31e-03	1.31e-03	111,124,124			1.00	0.04	0.96
346	0.03	0.06	0.0	118,111,0	0.22	1.32e-03	7.95e-03	111,126,123	0.36	111	0.86	0.06	0.94
	4.13e-03	4.34e-03	0.0	114,111,0	0.22	1.27e-03	1.27e-03	111,139,139			1.00	0.04	0.96
347	0.03	0.06	0.0	114,111,0	0.21	2.07e-03	8.30e-03	111,122,119	0.35	111	0.86	0.06	0.94
	2.55e-03	2.35e-03	0.0	118,115,0	0.21	1.03e-03	1.03e-03	111,131,131			1.00	0.04	0.96
348	0.04	0.06	0.0	114,111,0	0.19	2.54e-03	9.72e-03	111,119	0.34	111	0.86	0.06	0.94
	2.07e-03	2.13e-03	0.0	117,116,0	0.19	1.00e-03	1.00e-03	111,139,139			1.00	0.04	0.96
349	0.04	0.06	0.0	114,111,0	0.18	3.27e-03	9.72e-03	111,134,119	0.33	111	0.86	0.06	0.94
	3.09e-03	2.95e-03	0.0	114,111,0	0.18	8.75e-04	8.75e-04	111,122,122			1.00	0.04	0.96
350	0.06	0.07	0.0	114,111,0	0.18	3.27e-03	8.46e-03	111,134,119	0.33	111	0.86	0.06	0.94
	0.03	0.02	0.0	119,122,0	0.18	1.80e-03	1.80e-03	111,115,115			1.00	0.04	0.96
598	0.27	0.29	0.0	114,111,0	0.25	3.18e-03	0.04	111,140,115	0.38	111	0.86	0.06	0.94
	4.13e-03	5.32e-03	0.0	114,118,0	0.25	1.35e-03	1.35e-03	111,141,141			1.00	0.04	0.96
599	0.22	0.24	0.0	118,115,0	0.22	2.15e-03	0.03	111,140,111	0.36	111	0.86	0.06	0.94
	4.13e-03	4.34e-03	0.0	114,111,0	0.22	1.27e-03	1.27e-03	111,139,139			1.00	0.04	0.96
600	0.18	0.20	0.0	118,115,0	0.21	2.07e-03	0.02	111,122,115	0.35	111	0.86	0.06	0.94
	2.55e-03	2.35e-03	0.0	118,115,0	0.21	1.03e-03	1.03e-03	111,131,131			1.00	0.04	0.96
601	0.14	0.15	0.0	118,115,0	0.19	2.54e-03	0.02	111,119,115	0.34	111	0.86	0.06	0.94
	5.63e-03	4.25e-03	0.0	113,112,0	0.19	1.00e-03	1.00e-03	111,139,139			1.00	0.04	0.96
602	0.10	0.12	0.0	118,115,0	0.18	3.38e-03	0.01	111,139,115	0.33	111	0.86	0.06	0.94
	0.03	0.02	0.0	119,122,0	0.18	1.80e-03	1.80e-03	111,115,115			1.00	0.04	0.96
603	0.07	0.08	0.0	118,115,0	0.15	3.38e-03	0.01	111,139,115	0.30	111	0.86	0.06	0.94
	0.03	0.02	0.0	119,122,0	0.15	1.80e-03	1.80e-03	111,115,115			1.00	0.04	0.96
604	0.27	0.29	0.0	114,111,0	0.07	3.18e-03	0.04	111,140,115	0.20	111	0.86	0.06	0.94
	2.27e-03	5.32e-03	0.0	115,118,0	0.07	1.35e-03	1.35e-03	111,141,141			1.00	0.04	0.96
605	0.22	0.24	0.0	118,115,0	0.06	2.15e-03	0.03	111,140,111	0.19	111	0.86	0.06	0.94
	7.28e-04	1.69e-03	0.0	139,4,0	0.06	6.30e-04	6.30e-04	111,119,119			1.00	0.04	0.96
606	0.18	0.20	0.0	118,115,0	0.06	1.19e-03	0.02	111,122,115	0.19	111	0.86	0.06	0.94
	1.80e-03	1.46e-03	0.0	119,122,0	0.06	4.69e-04	4.69e-04	111,134,134			1.00	0.04	0.96
607	0.14	0.15	0.0	118,115,0	0.06	2.27e-03	0.02	111,134,115	0.19	111	0.86	0.06	0.94
	5.63e-03	4.25e-03	0.0	113,112,0	0.06	9.74e-04	9.74e-04	111,122,122			1.00	0.04	0.96
608	0.10	0.12	0.0	118,115,0	0.06	3.38e-03	0.01	111,139,115	0.19	111	0.86	0.06	0.94
	0.02	0.01	0.0	116,117,0	0.06	1.62e-03	1.62e-03	111,119,119			1.00	0.04	0.96
609	0.07	0.08	0.0	118,115,0	0.06	3.38e-03	0.01	111,139,115	0.19	111	0.86	0.06	0.94
	0.02	0.01	0.0	116,117,0	0.06	1.62e-03	1.62e-03	111,119,119			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.27	0.29	0.0	0.25	3.38e-03	0.04	0.38

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
17	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.35	kN 42.1	26	0.33	kN 39.3	26	0.52	kN 2977.2	kN m -2.976e+06	111

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
319	0.06	0.05	0.0	116,117,0	0.01	2.41e-03	8.51e-03	113,124,125	0.08	113	0.86	0.06	0.94
	0.01	6.82e-03	0.0	129,128,0	0.01	7.05e-03	7.05e-03	113,129,129			1.00	0.04	0.96
320	0.06	0.05	0.0	116,117,0	0.01	3.17e-03	8.80e-03	113,115,118	0.08	113	0.86	0.06	0.94
	0.03	0.02	0.0	112,113,0	0.01	7.05e-03	7.05e-03	113,129,129			1.00	0.04	0.96
326	0.04	0.04	0.0	111,114,0	0.01	3.17e-03	8.80e-03	119,115,118	0.09	119	0.86	0.06	0.94
	0.04	0.03	0.0	112,113,0	0.01	5.35e-03	5.35e-03	119,111,111			1.00	0.04	0.96
332	0.04	0.04	0.0	111,117,0	0.03	2.14e-03	0.01	119,115,117	0.12	119	0.86	0.06	0.94
	0.06	0.04	0.0	116,113,0	0.03	7.35e-03	7.35e-03	119,119,119			1.00	0.04	0.96
338	0.04	0.05	0.0	116,117,0	0.03	0.01	0.02	119,111,114	0.14	119	0.86	0.06	0.94
	0.08	0.05	0.0	116,117,0	0.03	0.01	0.01	119,119,119			1.00	0.04	0.96
344	0.04	0.05	0.0	116,117,0	0.04	0.02	0.04	122,111,111	0.15	122	0.86	0.06	0.94
	0.12	0.08	0.0	111,114,0	0.04	0.01	0.01	122,119,119			1.00	0.04	0.96
350	0.03	0.04	0.0	114,111,0	0.04	0.02	0.04	122,111,111	0.15	122	0.86	0.06	0.94
	0.12	0.08	0.0	111,114,0	0.04	0.03	0.03	122,114,114			1.00	0.04	0.96
356	0.02	0.03	0.0	114,111,0	0.01	0.01	0.02	122,115,115	0.08	122	0.86	0.06	0.94

	0.09	0.06	0.0 119,122,0	0.01	0.03	0.03122,114,114			1.00	0.04	0.96
363	6.38e-03	0.01	0.0 111,9,0	0.01	7.23e-03	9.42e-03122,114,114	0.08	122	0.86	0.06	0.94
	0.02	0.01	0.0 119,122,0	0.01	8.78e-03	8.78e-03122,111,111			1.00	0.04	0.96
370	6.38e-03	8.84e-03	0.0 111,9,0	9.18e-03	5.16e-03	6.68e-03122,114,114	0.07	122	0.86	0.06	0.94
	0.01	4.56e-03	0.0 118,115,0	9.18e-03	1.65e-03	1.65e-03122,119,119			1.00	0.04	0.96
377	0.02	0.03	0.0 122,119,0	6.27e-03	4.12e-03	7.51e-03122,122,119	0.06	122	0.86	0.06	0.94
	0.02	5.29e-03	0.0 118,115,0	6.27e-03	8.83e-04	8.83e-04122,116,116			1.00	0.04	0.96
384	0.02	0.03	0.0 122,119,0	4.05e-03	5.00e-03	9.46e-03119,123,123	0.05	119	0.86	0.06	0.94
	0.02	6.19e-03	0.0 118,115,0	4.04e-03	8.83e-04	8.83e-04119,116,116			1.00	0.04	0.96
390	0.02	0.03	0.0 122,119,0	1.83e-04	5.00e-03	9.46e-03 4,123, 123	0.01	4	0.86	0.06	0.94
	0.02	6.19e-03	0.0 118,115,0	1.82e-04	5.27e-04	5.27e-04 4,111, 111			1.00	0.04	0.96
611	0.06	0.05	0.0 116,117,0	0.01	2.41e-03	8.51e-03113,124,125	0.08	113	0.86	0.06	0.94
	0.01	8.41e-03	0.0 113,112,0	0.01	8.96e-03	8.96e-03113,113,113			1.00	0.04	0.96
612	0.06	0.05	0.0 116,117,0	0.01	3.17e-03	8.80e-03113,115,118	0.08	113	0.86	0.06	0.94
	0.03	0.02	0.0 112,113,0	0.01	8.96e-03	8.96e-03113,113,113			1.00	0.04	0.96
613	0.05	0.04	0.0 116,117,0	0.01	8.43e-04	5.53e-03113,112,113	0.08	113	0.86	0.06	0.94
	0.01	8.96e-03	0.0 112,113,0	0.01	9.54e-03	9.54e-03113,113,113			1.00	0.04	0.96
614	0.05	0.04	0.0 116,117,0	0.01	1.07e-03	6.34e-03113,115,118	0.08	113	0.86	0.06	0.94
	0.04	0.03	0.0 112,113,0	0.01	9.54e-03	9.54e-03113,113,113			1.00	0.04	0.96
615	0.03	0.03	0.0 116,117,0	0.01	6.21e-04	4.04e-03113,112,117	0.08	113	0.86	0.06	0.94
	0.01	9.01e-03	0.0 112,113,0	0.01	9.54e-03	9.54e-03113,113,113			1.00	0.04	0.96
616	0.03	0.03	0.0 116,117,0	0.01	1.12e-03	5.43e-03113,114,114	0.08	113	0.86	0.06	0.94
	0.04	0.03	0.0 112,113,0	0.01	9.54e-03	9.54e-03113,113,113			1.00	0.04	0.96
617	0.02	0.02	0.0 116,117,0	0.01	6.67e-04	3.06e-03113,116,117	0.08	113	0.86	0.06	0.94
	0.01	9.01e-03	0.0 112,113,0	0.01	9.12e-03	9.12e-03113,113,113			1.00	0.04	0.96
618	0.02	0.02	0.0 116,117,0	0.01	1.12e-03	4.46e-03113,114,118	0.08	113	0.86	0.06	0.94
	0.03	0.02	0.0 112,113,0	0.01	9.12e-03	9.12e-03113,113,113			1.00	0.04	0.96
619	0.01	0.01	0.0 115,118,0	0.01	7.52e-04	2.13e-03113,125,125	0.08	113	0.86	0.06	0.94
	8.07e-03	6.12e-03	0.0 113,113,0	0.01	6.57e-03	6.57e-03113,113,113			1.00	0.04	0.96
620	0.01	0.01	0.0 115,118,0	0.01	1.32e-03	3.32e-03113,115,118	0.08	113	0.86	0.06	0.94
	0.02	0.02	0.0 112,113,0	0.01	6.57e-03	6.57e-03113,113,113			1.00	0.04	0.96
621	3.32e-03	0.01	0.0 112,9,0	0.01	1.09e-03	1.91e-03113,115,118	0.08	113	0.86	0.06	0.94
	0.02	0.01	0.0 113,112,0	0.01	4.70e-03	4.70e-03113,113,113			1.00	0.04	0.96
622	1.55e-03	0.01	0.0 115,9,0	0.01	1.32e-03	2.23e-03113,115,118	0.08	113	0.86	0.06	0.94
	0.02	0.01	0.0 113,112,0	0.01	2.21e-03	2.21e-03113,113,113			1.00	0.04	0.96
623	0.04	0.04	0.0 111,114,0	0.01	3.17e-03	8.80e-03119,115,118	0.09	119	0.86	0.06	0.94
	0.05	0.03	0.0 113,112,0	0.01	7.11e-03	7.11e-03119,111,111			1.00	0.04	0.96
624	0.04	0.04	0.0 111,114,0	0.01	1.98e-03	6.98e-03119,117,114	0.09	119	0.86	0.06	0.94
	0.05	0.04	0.0 112,113,0	0.01	7.56e-03	7.56e-03119,113,113			1.00	0.04	0.96
625	0.03	0.03	0.0 115,118,0	0.01	1.98e-03	6.98e-03119,117,114	0.09	119	0.86	0.06	0.94
	0.05	0.04	0.0 112,113,0	0.01	7.56e-03	7.56e-03119,113,113			1.00	0.04	0.96
626	0.02	0.02	0.0 115,118,0	0.01	1.76e-03	5.41e-03119,114,118	0.09	119	0.86	0.06	0.94
	0.05	0.03	0.0 112,113,0	0.01	6.66e-03	6.66e-03119,113,113			1.00	0.04	0.96
627	0.01	0.01	0.0 115,118,0	0.01	1.87e-03	3.65e-03119,118,118	0.08	119	0.86	0.06	0.94
	0.03	0.03	0.0 112,113,0	0.01	4.63e-03	4.63e-03119,113,113			1.00	0.04	0.96
628	1.55e-03	0.01	0.0 115,9,0	0.01	1.87e-03	2.91e-03119,118,118	0.08	119	0.86	0.06	0.94
	0.03	0.02	0.0 113,112,0	0.01	4.86e-04	4.86e-04119,130,130			1.00	0.04	0.96
629	0.04	0.04	0.0 111,117,0	0.03	3.95e-03	0.01119,116,117	0.12	119	0.86	0.06	0.94
	0.07	0.05	0.0 113,112,0	0.03	9.32e-03	9.32e-03119,119,119			1.00	0.04	0.96
630	0.03	0.04	0.0 111,114,0	0.02	3.95e-03	0.01119,116,117	0.12	119	0.86	0.06	0.94
	0.07	0.05	0.0 113,112,0	0.02	9.32e-03	9.32e-03119,119,119			1.00	0.04	0.96
631	0.02	0.03	0.0 115,118,0	0.02	3.62e-03	8.65e-03119,117,117	0.12	119	0.86	0.06	0.94
	0.06	0.05	0.0 116,117,0	0.02	6.20e-03	6.20e-03119,116,116			1.00	0.04	0.96
632	0.02	0.02	0.0 115,118,0	0.02	1.92e-03	5.41e-03119,114,118	0.12	119	0.86	0.06	0.94
	0.05	0.04	0.0 112,113,0	0.02	3.88e-03	3.88e-03119,117,117			1.00	0.04	0.96
633	7.94e-03	0.01	0.0 115,118,0	0.02	1.87e-03	3.65e-03119,118,118	0.12	119	0.86	0.06	0.94
	0.03	0.03	0.0 112,113,0	0.02	1.83e-03	1.83e-03119,117,117			1.00	0.04	0.96
634	4.17e-04	0.01	0.0 115,11,0	0.02	1.87e-03	2.91e-03119,118,118	0.11	119	0.86	0.06	0.94
	0.03	0.02	0.0 113,112,0	0.02	1.34e-03	1.34e-03119,114,114			1.00	0.04	0.96
635	0.04	0.05	0.0 116,117,0	0.03	0.01	0.02119,111,114	0.14	119	0.86	0.06	0.94
	0.08	0.06	0.0 117,116,0	0.03	0.01	0.01119,119,119			1.00	0.04	0.96
636	0.03	0.04	0.0 111,114,0	0.03	8.89e-03	0.02119,116,117	0.14	119	0.86	0.06	0.94
	0.08	0.06	0.0 117,116,0	0.03	9.32e-03	9.32e-03119,119,119			1.00	0.04	0.96
637	0.02	0.03	0.0 115,118,0	0.03	3.91e-03	8.65e-03119,117,117	0.14	119	0.86	0.06	0.94
	0.06	0.05	0.0 116,117,0	0.03	6.14e-03	6.14e-03119,113,113			1.00	0.04	0.96
638	0.01	0.02	0.0 115,118,0	0.03	1.92e-03	5.39e-03119,114,118	0.14	119	0.86	0.06	0.94
	0.05	0.04	0.0 112,113,0	0.03	6.14e-03	6.14e-03119,113,113			1.00	0.04	0.96
639	5.31e-03	0.01	0.0 115,11,0	0.03	1.78e-03	3.48e-03119,118,118	0.14	119	0.86	0.06	0.94
	0.03	0.02	0.0 112,113,0	0.03	4.55e-03	4.55e-03119,113,113			1.00	0.04	0.96
640	0.0	0.01	0.0 0,11,0	0.03	1.78e-03	2.77e-03119,118,118	0.13	119	0.0	0.0	0.0
	0.02	0.01	0.0 113,112,0	0.03	1.34e-03	1.34e-03119,114,114			1.00	0.04	0.96
641	0.04	0.05	0.0 116,117,0	0.04	0.02	0.04122,111,111	0.15	122	0.86	0.06	0.94
	0.12	0.08	0.0 111,114,0	0.04	0.02	0.02122,112,112			1.00	0.04	0.96
642	0.02	0.03	0.0 112,113,0	0.04	8.89e-03	0.02122,116,117	0.15	122	0.86	0.06	0.94
	0.08	0.06	0.0 117,116,0	0.04	0.02	0.02122,112,112			1.00	0.04	0.96

643	0.01	0.02	0.0 112,113,0	0.04	3.91e-03	8.41e-03122,117,117	0.15	122	0.86	0.06	0.94
	0.06	0.04	0.0 116,117,0	0.04	0.01	0.01122,112,112			1.00	0.04	0.96
644	5.27e-03	0.02	0.0 115,118,0	0.04	1.56e-03	4.24e-03122,117,117	0.15	122	0.86	0.06	0.94
	0.04	0.03	0.0 116,117,0	0.04	0.01	0.01122,113,113			1.00	0.04	0.96
645	1.89e-03	0.01	0.0 115,11,0	0.04	1.50e-03	2.84e-03122,115,118	0.15	122	0.86	0.06	0.94
	0.02	0.02	0.0 116,117,0	0.04	7.04e-03	7.04e-03122,113,113			1.00	0.04	0.96
646	0.0	0.01	0.0 0,11,0	0.03	1.50e-03	2.37e-03119,115,118	0.14	119	0.0	0.0	0.0
	0.02	0.01	0.0 119,122,0	0.03	1.64e-03	1.64e-03119,112,112			1.00	0.04	0.96
647	0.03	0.04	0.0 114,111,0	0.04	0.02	0.04122,111,111	0.15	122	0.86	0.06	0.94
	0.12	0.08	0.0 111,114,0	0.04	0.03	0.03122,114,114			1.00	0.04	0.96
648	8.90e-03	0.02	0.0 114,11,0	0.04	8.09e-03	0.01122,114,117	0.15	122	0.86	0.06	0.94
	0.07	0.05	0.0 114,111,0	0.04	0.02	0.02122,112,112			1.00	0.04	0.96
649	5.06e-03	0.02	0.0 114,11,0	0.04	2.33e-03	5.14e-03122,117,117	0.15	122	0.86	0.06	0.94
	0.04	0.03	0.0 116,117,0	0.04	0.01	0.01122,112,112			1.00	0.04	0.96
650	3.02e-03	0.02	0.0 114,11,0	0.04	1.11e-03	3.05e-03122,117,116	0.15	122	0.86	0.06	0.94
	0.02	0.02	0.0 116,117,0	0.04	0.01	0.01122,113,113			1.00	0.04	0.96
651	1.02e-03	0.01	0.0 114,11,0	0.04	1.68e-03	2.60e-03122,112,116	0.15	122	0.86	0.06	0.94
	0.02	0.01	0.0 119,122,0	0.04	7.04e-03	7.04e-03122,113,113			1.00	0.04	0.96
652	0.0	9.71e-03	0.0 0,11,0	0.03	1.68e-03	2.44e-03119,112,112	0.14	119	0.0	0.0	0.0
	0.02	0.01	0.0 119,122,0	0.03	3.24e-03	3.24e-03119,123,123			1.00	0.04	0.96
653	0.02	0.03	0.0 114,111,0	0.01	0.01	0.02122,115,115	0.08	122	0.86	0.06	0.94
	0.09	0.06	0.0 119,122,0	0.01	0.03	0.03122,114,114			1.00	0.04	0.96
654	0.01	0.02	0.0 111,111,0	0.01	3.36e-03	7.21e-03122,114,111	0.08	122	0.86	0.06	0.94
	0.05	0.03	0.0 114,111,0	0.01	8.32e-03	8.32e-03122,114,114			1.00	0.04	0.96
655	7.92e-03	0.01	0.0 111,111,0	0.01	1.24e-03	4.55e-03122,117,114	0.08	122	0.86	0.06	0.94
	0.02	0.02	0.0 116,117,0	0.01	3.91e-03	3.91e-03122,118,118			1.00	0.04	0.96
656	5.20e-03	0.01	0.0 116,11,0	0.01	1.50e-03	3.96e-03122,117,117	0.08	122	0.86	0.06	0.94
	0.02	0.01	0.0 116,117,0	0.01	3.91e-03	3.91e-03122,118,118			1.00	0.04	0.96
657	2.28e-03	0.01	0.0 116,9,0	0.01	2.35e-03	3.48e-03122,112,117	0.08	122	0.86	0.06	0.94
	0.02	0.02	0.0 119,122,0	0.01	3.28e-03	3.28e-03122,118,118			1.00	0.04	0.96
658	0.0	0.01	0.0 0,9,0	8.95e-03	2.35e-03	3.27e-03122,112,113	0.07	122	0.0	0.0	0.0
	0.02	0.02	0.0 119,122,0	8.95e-03	3.24e-03	3.24e-03122,123,123			1.00	0.04	0.96
659	0.01	0.01	0.0 111,114,0	0.01	7.23e-03	9.42e-03122,114,114	0.08	122	0.86	0.06	0.94
	0.03	0.02	0.0 114,111,0	0.01	8.78e-03	8.78e-03122,111,111			1.00	0.04	0.96
660	0.01	0.01	0.0 119,114,0	0.01	1.80e-03	5.09e-03122,125,117	0.08	122	0.86	0.06	0.94
	0.03	0.02	0.0 114,111,0	0.01	8.32e-03	8.32e-03122,114,114			1.00	0.04	0.96
661	0.01	0.01	0.0 119,114,0	0.01	1.32e-03	4.61e-03122,114,117	0.08	122	0.86	0.06	0.94
	0.02	0.02	0.0 114,111,0	0.01	3.17e-03	3.17e-03122,114,114			1.00	0.04	0.96
662	8.82e-03	0.01	0.0 119,9,0	0.01	1.99e-03	4.61e-03122,125,117	0.08	122	0.86	0.06	0.94
	0.02	0.01	0.0 116,114,0	0.01	1.73e-03	1.73e-03122,117,117			1.00	0.04	0.96
663	5.89e-03	0.01	0.0 119,9,0	0.01	3.13e-03	4.50e-03122,113,125	0.08	122	0.86	0.06	0.94
	0.02	0.02	0.0 119,122,0	0.01	1.47e-03	1.47e-03122,118,118			1.00	0.04	0.96
664	1.69e-03	0.01	0.0 119,9,0	9.25e-03	3.13e-03	4.39e-03122,113,117	0.07	122	0.86	0.06	0.94
	0.02	0.02	0.0 119,122,0	9.25e-03	1.18e-03	1.18e-03122,126,126			1.00	0.04	0.96
665	0.01	9.54e-03	0.0 111,114,0	0.01	5.16e-03	6.68e-03122,114,114	0.08	122	0.86	0.06	0.94
	0.02	9.33e-03	0.0 114,111,0	0.01	3.51e-03	3.51e-03122,111,111			1.00	0.04	0.96
666	0.01	0.01	0.0 119,119,0	0.01	2.55e-03	5.67e-03122,125,119	0.08	122	0.86	0.06	0.94
	0.02	0.01	0.0 114,111,0	0.01	3.51e-03	3.51e-03122,111,111			1.00	0.04	0.96
667	0.01	0.01	0.0 119,119,0	0.01	1.32e-03	4.89e-03122,114,119	0.08	122	0.86	0.06	0.94
	0.01	0.01	0.0 116,111,0	0.01	3.17e-03	3.17e-03122,114,114			1.00	0.04	0.96
668	8.82e-03	0.01	0.0 119,9,0	0.01	2.39e-03	5.30e-03122,125,125	0.08	122	0.86	0.06	0.94
	0.01	0.01	0.0 116,114,0	0.01	2.04e-03	2.04e-03122,114,114			1.00	0.04	0.96
669	5.89e-03	0.01	0.0 119,9,0	0.01	3.74e-03	5.30e-03122,125,125	0.08	122	0.86	0.06	0.94
	0.02	0.02	0.0 119,122,0	0.01	1.42e-03	1.42e-03122,117,117			1.00	0.04	0.96
670	1.69e-03	0.01	0.0 119,9,0	9.25e-03	3.74e-03	5.17e-03122,125,125	0.07	122	0.86	0.06	0.94
	0.02	0.02	0.0 119,122,0	9.25e-03	6.78e-04	6.78e-04122,115,115			1.00	0.04	0.96
671	0.02	0.03	0.0 122,119,0	9.16e-03	4.12e-03	7.73e-03122,122,119	0.07	122	0.86	0.06	0.94
	0.02	5.29e-03	0.0 118,115,0	9.16e-03	1.43e-03	1.43e-03122,111,111			1.00	0.04	0.96
672	0.02	0.03	0.0 122,119,0	9.16e-03	2.69e-03	7.73e-03122,124,119	0.07	122	0.86	0.06	0.94
	0.01	5.81e-03	0.0 114,117,0	9.16e-03	2.36e-03	2.36e-03122,111,111			1.00	0.04	0.96
673	0.02	0.03	0.0 122,119,0	8.72e-03	1.11e-03	6.61e-03122,122,119	0.07	122	0.86	0.06	0.94
	8.07e-03	7.31e-03	0.0 114,111,0	8.72e-03	2.36e-03	2.36e-03122,111,111			1.00	0.04	0.96
674	0.01	0.02	0.0 122,119,0	8.45e-03	2.78e-03	6.98e-03122,124,119	0.07	122	0.86	0.06	0.94
	8.15e-03	0.01	0.0 119,122,0	8.45e-03	2.04e-03	2.04e-03122,114,114			1.00	0.04	0.96
675	8.28e-03	0.02	0.0 122,9,0	8.39e-03	4.43e-03	6.98e-03122,122,119	0.07	122	0.86	0.06	0.94
	0.01	0.02	0.0 119,122,0	8.39e-03	1.42e-03	1.42e-03122,117,117			1.00	0.04	0.96
676	0.0	0.02	0.0 0,9,0	5.52e-03	4.43e-03	6.49e-03122,122,119	0.06	122	0.0	0.0	0.0
	0.01	0.02	0.0 119,122,0	5.52e-03	6.78e-04	6.78e-04122,115,115			1.00	0.04	0.96
677	0.02	0.04	0.0 122,119,0	6.29e-03	5.00e-03	9.50e-03122,123,119	0.06	122	0.86	0.06	0.94
	0.02	6.19e-03	0.0 118,115,0	6.29e-03	8.83e-04	8.83e-04122,116,116			1.00	0.04	0.96
678	0.02	0.04	0.0 122,119,0	6.29e-03	3.44e-03	9.50e-03122,120,119	0.06	122	0.86	0.06	0.94
	0.01	3.01e-03	0.0 114,111,0	6.29e-03	1.31e-03	1.31e-03122,116,116			1.00	0.04	0.96
679	0.02	0.03	0.0 122,9,0	5.48e-03	1.78e-03	8.54e-03122,121,119	0.06	122	0.86	0.06	0.94
	4.67e-03	4.13e-03	0.0 111,111,0	5.48e-03	1.50e-03	1.50e-03122,111,111			1.00	0.04	0.96
680	0.01	0.04	0.0 122,9,0	5.97e-03	2.78e-03	7.74e-03122,124,119	0.06	122	0.86	0.06	0.94

	6.68e-03	0.01	0.0	119,11,0	5.97e-03	1.50e-03	1.50e-03	122,111,111			1.00	0.04	0.96
681	8.28e-03	0.04	0.0	122,9,0	5.97e-03	4.64e-03	7.74e-03	122,124,119	0.06	122	0.86	0.06	0.94
	9.61e-03	0.02	0.0	119,122,0	5.97e-03	1.36e-03	1.36e-03	122,117,117			1.00	0.04	0.96
682	0.0	0.03	0.0	0,9,0	3.58e-03	4.64e-03	7.38e-03	122,124,124	0.05	122	0.0	0.0	0.0
	9.61e-03	0.02	0.0	119,122,0	3.58e-03	2.91e-04	2.91e-04	122,126,126			1.00	0.04	0.96
683	0.02	0.04	0.0	122,119,0	1.20e-03	5.00e-03	9.50e-03	126,123,119	0.03	126	0.86	0.06	0.94
	0.02	6.19e-03	0.0	118,115,0	1.20e-03	5.27e-04	5.27e-04	111,111			1.00	0.04	0.96
684	0.02	0.04	0.0	122,119,0	1.20e-03	3.44e-03	9.50e-03	126,120,119	0.03	126	0.86	0.06	0.94
	0.01	3.00e-03	0.0	118,115,0	1.20e-03	4.40e-04	4.40e-04	111,111			1.00	0.04	0.96
685	0.02	0.03	0.0	122,9,0	8.87e-04	1.78e-03	8.54e-03	122,121,119	0.02	122	0.86	0.06	0.94
	3.25e-03	2.57e-03	0.0	115,119,0	8.87e-04	5.57e-04	5.57e-04	111,111			1.00	0.04	0.96
686	0.01	0.04	0.0	122,9,0	1.84e-03	2.47e-03	7.74e-03	124,119	0.03	11	0.86	0.06	0.94
	2.79e-03	0.01	0.0	119,11,0	1.84e-03	7.20e-04	7.20e-04	116,116			1.00	0.04	0.96
687	5.65e-03	0.04	0.0	122,9,0	1.84e-03	4.64e-03	7.74e-03	124,119	0.03	11	0.86	0.06	0.94
	9.06e-03	0.02	0.0	119,122,0	1.84e-03	7.20e-04	7.20e-04	116,116			1.00	0.04	0.96
688	0.0	0.03	0.0	0,9,0	3.05e-04	4.64e-03	7.38e-03	122,124,124	0.01	122	0.0	0.0	0.0
	9.06e-03	0.02	0.0	119,122,0	3.00e-04	2.91e-04	2.91e-04	122,126,126			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.12	0.08	0.0	0.04	0.03	0.04	0.15

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
18	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.05	kN -1.4	23	0.08	kN -2.3	3	0.25	kN -2290.4	kN m -1.370e+05	3

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
64	0.01	0.02	0.0	7,9,0	1.79e-04	5.38e-03	6.95e-03	122,119	0.01	11	0.86	0.06	0.94
	0.01	6.52e-04	0.0	4,119,0	1.79e-04	4.82e-04	4.82e-04	121,121			1.00	0.04	0.96
416	0.0	0.04	0.0	0,11,0	8.09e-05	7.29e-03	9.80e-03	122,121,126	0.53e-03	3	0.0	0.0	0.0
	2.57e-03	1.01e-03	0.0	122,119,0	7.23e-05	9.47e-04	9.47e-04	3,121,121			1.00	0.04	0.96
423	0.01	0.03	0.0	7,11,0	5.77e-04	5.38e-03	7.84e-03	119,122,122	0.02	119	0.86	0.06	0.94
	0.01	1.26e-03	0.0	4,119,0	5.71e-04	4.82e-04	4.82e-04	121,121			1.00	0.04	0.96
430	0.0	0.04	0.0	0,11,0	5.77e-04	7.29e-03	9.80e-03	119,121,126	0.02	119	0.0	0.0	0.0
	8.96e-03	1.26e-03	0.0	122,119,0	5.71e-04	9.47e-04	9.47e-04	121,121			1.00	0.04	0.96
610	0.0	0.04	0.0	0,9,0	1.84e-04	6.49e-03	9.32e-03	4,120,119	0.01	4	0.0	0.0	0.0
	0.0	0.01	0.0	0,11,0	1.83e-04	1.28e-03	1.28e-03	4,121,121			0.0	0.0	0.0
689	0.0	0.04	0.0	0,11,0	2.11e-03	7.29e-03	0.01	121,122	0.04	11	0.0	0.0	0.0
	2.57e-03	1.01e-03	0.0	122,119,0	2.10e-03	9.47e-04	9.47e-04	121,121			1.00	0.04	0.96
690	0.01	0.02	0.0	122,9,0	4.60e-03	5.38e-03	7.21e-03	4,122,119	0.05	4	0.86	0.06	0.94
	0.01	6.52e-04	0.0	4,119,0	4.60e-03	4.82e-04	4.82e-04	4,121,121			1.00	0.04	0.96
691	4.40e-03	0.03	0.0	119,11,0	2.29e-03	4.78e-03	0.01	121,122	0.04	11	0.86	0.06	0.94
	2.21e-03	1.50e-04	0.0	4,134,0	2.29e-03	3.40e-04	3.40e-04	121,121			1.00	0.04	0.96
692	0.01	0.03	0.0	122,9,0	4.60e-03	3.01e-03	7.21e-03	4,121,119	0.05	4	0.86	0.06	0.94
	0.01	3.97e-05	0.0	4,134,0	4.60e-03	4.05e-04	4.05e-04	4,126,126			1.00	0.04	0.96
693	7.93e-03	0.03	0.0	119,11,0	2.34e-03	2.40e-03	9.16e-03	4,120,122	0.04	4	0.86	0.06	0.94
	2.14e-04	1.50e-04	0.0	131,134,0	2.34e-03	9.12e-05	9.12e-05	4,121,121			1.00	0.04	0.96
694	0.01	0.03	0.0	122,9,0	3.61e-03	1.42e-03	7.66e-03	4,120,119	0.05	4	0.86	0.06	0.94
	1.48e-03	1.82e-03	0.0	3,9,0	3.61e-03	5.18e-05	5.18e-05	4,116,116			1.00	0.04	0.96
695	8.35e-03	0.02	0.0	119,122,0	2.34e-03	2.93e-03	8.16e-03	4,120,122	0.04	4	0.86	0.06	0.94
	1.35e-04	1.86e-03	0.0	122,11,0	2.34e-03	2.21e-04	2.21e-04	4,113,113			1.00	0.04	0.96
696	0.01	0.04	0.0	122,9,0	4.14e-03	3.78e-03	9.11e-03	120,119	0.05	11	0.86	0.06	0.94
	2.46e-05	0.01	0.0	134,11,0	4.14e-03	2.64e-04	2.64e-04	113,113			1.00	0.04	0.96
697	8.35e-03	0.02	0.0	119,122,0	2.23e-03	5.91e-03	8.19e-03	4,120,122	0.04	4	0.86	0.06	0.94
	0.0	2.75e-03	0.0	0,11,0	2.23e-03	6.43e-04	6.43e-04	4,115,115			0.0	0.0	0.0
698	2.93e-03	0.04	0.0	122,9,0	4.14e-03	6.49e-03	9.32e-03	120,119	0.05	11	0.86	0.06	0.94
	0.0	0.01	0.0	0,11,0	4.14e-03	1.28e-03	1.28e-03	121,121			0.0	0.0	0.0
699	1.22e-03	0.01	0.0	119,11,0	1.43e-04	5.91e-03	8.19e-03	3,120,122	9.18e-03	3	0.86	0.06	0.94
	0.0	2.75e-03	0.0	0,11,0	1.43e-04	6.43e-04	6.43e-04	3,115,115			0.0	0.0	0.0
700	0.01	0.03	0.0	122,11,0	5.02e-03	5.38e-03	8.63e-03	122,122	0.05	11	0.86	0.06	0.94
	0.01	1.26e-03	0.0	4,119,0	5.02e-03	4.82e-04	4.82e-04	121,121			1.00	0.04	0.96
701	0.01	0.03	0.0	122,9,0	5.72e-03	3.69e-03	8.63e-03	4,121,122	0.06	4	0.86	0.06	0.94
	0.01	3.97e-05	0.0	4,134,0	5.72e-03	4.05e-04	4.05e-04	4,126,126			1.00	0.04	0.96
702	0.01	0.03	0.0	122,9,0	5.89e-03	1.68e-03	7.93e-03	4,121,122	0.06	4	0.86	0.06	0.94
	1.48e-03	1.82e-03	0.0	3,9,0	5.89e-03	8.85e-05	8.85e-05	4,112,112			1.00	0.04	0.96
703	0.01	0.04	0.0	122,9,0	5.89e-03	3.78e-03	9.11e-03	4,120,119	0.06	4	0.86	0.06	0.94
	3.50e-04	0.01	0.0	134,11,0	5.89e-03	2.64e-04	2.64e-04	4,113,113			1.00	0.04	0.96

704	5.13e-03	0.04	0.0	119,9,0	5.50e-03	6.49e-03	9.32e-03	4,120,119	0.06	4	0.86	0.06	0.94
	0.0	0.01	0.0	0,11,0	5.50e-03	1.28e-03	1.28e-03	4,121,121			0.0	0.0	0.0
705	0.0	0.04	0.0	0,9,0	8.06e-04	6.49e-03	9.32e-03	3,120,119	0.02	3	0.0	0.0	0.0
	0.0	0.01	0.0	0,11,0	8.06e-04	1.28e-03	1.28e-03	3,121,121			0.0	0.0	0.0
706	0.0	0.04	0.0	0,11,0	5.02e-03	7.29e-03	0.0111,	121,122	0.05	11	0.0	0.0	0.0
	9.40e-03	1.26e-03	0.0	4,119,0	5.02e-03	9.47e-04	9.47e-04	11,121,121			1.00	0.04	0.96
707	5.59e-03	0.03	0.0	119,11,0	5.72e-03	4.78e-03	0.01	4,121,122	0.06	4	0.86	0.06	0.94
	9.40e-03	1.50e-04	0.0	4,134,0	5.72e-03	3.40e-04	3.40e-04	4,121,121			1.00	0.04	0.96
708	7.93e-03	0.03	0.0	119,11,0	5.89e-03	2.40e-03	9.16e-03	4,120,122	0.06	4	0.86	0.06	0.94
	1.11e-03	6.87e-04	0.0	3,9,0	5.89e-03	9.12e-05	9.12e-05	4,121,121			1.00	0.04	0.96
709	8.35e-03	0.02	0.0	119,11,0	5.89e-03	3.42e-03	8.67e-03	4,120,122	0.06	4	0.86	0.06	0.94
	3.50e-04	6.40e-03	0.0	134,11,0	5.89e-03	2.46e-04	2.46e-04	4,112,112			1.00	0.04	0.96
710	8.35e-03	0.02	0.0	119,11,0	5.50e-03	6.07e-03	8.67e-03	4,120,122	0.06	4	0.86	0.06	0.94
	0.0	7.63e-03	0.0	0,11,0	5.50e-03	9.27e-04	9.27e-04	4,112,112			0.0	0.0	0.0
711	1.22e-03	0.02	0.0	119,11,0	8.06e-04	6.07e-03	8.59e-03	3,120,122	0.02	3	0.86	0.06	0.94
	0.0	7.63e-03	0.0	0,11,0	8.06e-04	9.27e-04	9.27e-04	3,112,112			0.0	0.0	0.0

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.01 0.04 0.0 5.89e-03 7.29e-03 0.01 0.06

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
19	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.05	-1.4	29	0.08	-2.3	3	0.25	-2290.3	-1.370e+05	3

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
454	0.01	0.02	0.0	7,9,0	1.79e-04	5.38e-03	6.95e-03	11,119,125	0.01	11	0.86	0.06	0.94
	0.01	6.51e-04	0.0	4,125,0	1.79e-04	4.80e-04	4.80e-04	11,120,120			1.00	0.04	0.96
455	0.01	0.03	0.0	7,11,0	5.77e-04	5.38e-03	7.83e-03	125,119,124	0.02	125	0.86	0.06	0.94
	0.01	1.26e-03	0.0	4,125,0	5.71e-04	4.80e-04	4.80e-04	125,120,120			1.00	0.04	0.96
461	0.0	0.04	0.0	0,11,0	5.77e-04	7.29e-03	9.80e-03	125,120,120	0.02	125	0.0	0.0	0.0
	8.97e-03	1.26e-03	0.0	124,125,0	5.71e-04	9.46e-04	9.46e-04	125,120,120			1.00	0.04	0.96
467	0.0	0.04	0.0	0,11,0	8.09e-05	7.29e-03	9.80e-03	124,120,1206.53e-03	0.05	3	0.0	0.0	0.0
	2.57e-03	1.01e-03	0.0	124,125,0	7.23e-05	9.46e-04	9.46e-04	3,120,120			1.00	0.04	0.96
712	0.01	0.02	0.0	124,9,0	4.61e-03	5.38e-03	7.22e-03	4,119,125	0.05	4	0.86	0.06	0.94
	0.01	6.51e-04	0.0	4,125,0	4.61e-03	4.80e-04	4.80e-04	4,120,120			1.00	0.04	0.96
713	0.01	0.03	0.0	124,11,0	5.03e-03	5.38e-03	8.63e-03	119,124	0.05	11	0.86	0.06	0.94
	0.01	1.26e-03	0.0	4,125,0	5.02e-03	4.80e-04	4.80e-04	11,120,120			1.00	0.04	0.96
714	0.01	0.03	0.0	124,9,0	4.61e-03	3.01e-03	7.22e-03	4,120,125	0.05	4	0.86	0.06	0.94
	0.01	4.14e-05	0.0	4,140,0	4.61e-03	4.04e-04	4.04e-04	4,120,120			1.00	0.04	0.96
715	0.01	0.03	0.0	124,9,0	5.73e-03	3.69e-03	8.63e-03	4,120,124	0.06	4	0.86	0.06	0.94
	0.01	4.14e-05	0.0	4,140,0	5.73e-03	4.04e-04	4.04e-04	4,120,120			1.00	0.04	0.96
716	0.01	0.03	0.0	124,9,0	3.61e-03	1.42e-03	7.66e-03	4,121,125	0.05	4	0.86	0.06	0.94
	1.48e-03	1.82e-03	0.0	3,9,0	3.61e-03	5.11e-05	5.11e-05	4,114,114			1.00	0.04	0.96
717	0.01	0.03	0.0	124,9,0	5.89e-03	1.68e-03	7.93e-03	4,120,124	0.06	4	0.86	0.06	0.94
	1.48e-03	1.82e-03	0.0	3,9,0	5.89e-03	8.85e-05	8.85e-05	4,113,113			1.00	0.04	0.96
718	0.01	0.04	0.0	124,9,0	4.14e-03	3.78e-03	9.11e-03	121,125	0.05	11	0.86	0.06	0.94
	2.66e-05	0.01	0.0	140,11,0	4.14e-03	2.64e-04	2.64e-04	113,113			1.00	0.04	0.96
719	0.01	0.04	0.0	124,9,0	5.89e-03	3.78e-03	9.11e-03	4,121,125	0.06	4	0.86	0.06	0.94
	3.52e-04	0.01	0.0	140,11,0	5.89e-03	2.64e-04	2.64e-04	4,113,113			1.00	0.04	0.96
720	2.93e-03	0.04	0.0	124,9,0	4.14e-03	6.49e-03	9.32e-03	121,125	0.05	11	0.86	0.06	0.94
	0.0	0.01	0.0	0,11,0	4.14e-03	1.27e-03	1.27e-03	120,120			0.0	0.0	0.0
721	5.13e-03	0.04	0.0	125,9,0	5.50e-03	6.49e-03	9.32e-03	4,121,125	0.06	4	0.86	0.06	0.94
	0.0	0.01	0.0	0,11,0	5.50e-03	1.27e-03	1.27e-03	4,120,120			0.0	0.0	0.0
722	0.0	0.04	0.0	0,9,0	1.84e-04	6.49e-03	9.32e-03	4,121,125	0.01	4	0.0	0.0	0.0
	0.0	0.01	0.0	0,11,0	1.83e-04	1.27e-03	1.27e-03	4,120,120			0.0	0.0	0.0
723	0.0	0.04	0.0	0,9,0	8.06e-04	6.49e-03	9.32e-03	3,121,125	0.02	3	0.0	0.0	0.0
	0.0	0.01	0.0	0,11,0	8.06e-04	1.27e-03	1.27e-03	3,120,120			0.0	0.0	0.0
724	0.0	0.04	0.0	0,11,0	5.03e-03	7.29e-03	0.0111,	120,124	0.05	11	0.0	0.0	0.0
	9.40e-03	1.26e-03	0.0	4,125,0	5.02e-03	9.46e-04	9.46e-04	11,120,120			1.00	0.04	0.96
725	5.59e-03	0.03	0.0	125,11,0	5.73e-03	4.78e-03	0.01	4,120,124	0.06	4	0.86	0.06	0.94
	9.40e-03	1.50e-04	0.0	4,140,0	5.73e-03	3.40e-04	3.40e-04	4,120,120			1.00	0.04	0.96
726	7.94e-03	0.03	0.0	125,11,0	5.89e-03	2.40e-03	9.16e-03	4,120,124	0.06	4	0.86	0.06	0.94
	1.11e-03	6.87e-04	0.0	3,9,0	5.89e-03	9.11e-05	9.11e-05	4,120,120			1.00	0.04	0.96
727	8.35e-03	0.02	0.0	125,11,0	5.89e-03	3.41e-03	8.67e-03	4,121,124	0.06	4	0.86	0.06	0.94
	3.52e-04	6.40e-03	0.0	140,11,0	5.89e-03	2.46e-04	2.46e-04	4,113,113			1.00	0.04	0.96
728	8.35e-03	0.02	0.0	125,11,0	5.50e-03	6.07e-03	8.67e-03	4,121,124	0.06	4	0.86	0.06	0.94

	0.0	7.63e-03	0.0	0,11,0	5.50e-03	9.29e-04	9.29e-04	4,113,113			0.0	0.0	0.0
729	1.22e-03	0.02	0.0	125,11,0	8.06e-04	6.07e-03	8.59e-03	3,121,124	0.02	3	0.86	0.06	0.94
	0.0	7.63e-03	0.0	0,11,0	8.06e-04	9.29e-04	9.29e-04	3,113,113			0.0	0.0	0.0
730	0.0	0.04	0.0	0,11,0	2.11e-03	7.29e-03		0,0111,120,124	0.04	11	0.0	0.0	0.0
	2.57e-03	1.01e-03	0.0	124,125,0	2.11e-03	9.46e-04	9.46e-04	11,120,120			1.00	0.04	0.96
731	4.40e-03	0.03	0.0	125,11,0	2.29e-03	4.78e-03		0,0111,120,124	0.04	11	0.86	0.06	0.94
	2.21e-03	1.50e-04	0.0	4,140,0	2.29e-03	3.40e-04	3.40e-04	11,120,120			1.00	0.04	0.96
732	7.94e-03	0.03	0.0	125,11,0	2.34e-03	2.40e-03	9.16e-03	4,120,124	0.04	4	0.86	0.06	0.94
	2.14e-04	1.50e-04	0.0	141,140,0	2.34e-03	9.11e-05	9.11e-05	4,120,120			1.00	0.04	0.96
733	8.35e-03	0.02	0.0	125,124,0	2.34e-03	2.93e-03	8.16e-03	4,121,124	0.04	4	0.86	0.06	0.94
	1.35e-04	1.86e-03	0.0	124,11,0	2.34e-03	2.21e-04	2.21e-04	4,113,113			1.00	0.04	0.96
734	8.35e-03	0.02	0.0	125,124,0	2.23e-03	5.91e-03	8.19e-03	4,121,124	0.04	4	0.86	0.06	0.94
	0.0	2.75e-03	0.0	0,11,0	2.23e-03	6.44e-04	6.44e-04	4,113,113			0.0	0.0	0.0
735	1.22e-03	0.01	0.0	125,11,0	1.43e-04	5.91e-03	8.19e-03	3,121,124	9.18e-03	3	0.86	0.06	0.94
	0.0	2.75e-03	0.0	0,11,0	1.43e-04	6.44e-04	6.44e-04	3,113,113			0.0	0.0	0.0
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.01	0.04	0.0		5.89e-03	7.29e-03	0.01		0.06				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
20	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.35	42.1	28	0.33	39.3	28	0.52	2982.9	-2.976e+06	117

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
479	0.02	0.03	0.0	116,117,0	0.01	0.01	0.02	124,113,113	0.08	124	0.86	0.06	0.94
	0.09	0.06	0.0	125,124,0	0.01	0.03	0.03	124,116,116			1.00	0.04	0.96
480	6.36e-03	0.01	0.0	117,9,0	0.01	7.23e-03	9.40e-03	124,116,116	0.08	124	0.86	0.06	0.94
	0.02	0.01	0.0	125,124,0	0.01	8.57e-03	8.57e-03	124,117,117			1.00	0.04	0.96
487	6.36e-03	8.84e-03	0.0	117,9,0	9.21e-03	4.99e-03	6.49e-03	124,116,116	0.07	124	0.86	0.06	0.94
	0.01	5.18e-03	0.0	112,113,0	9.21e-03	1.23e-03	1.23e-03	125,125			1.00	0.04	0.96
494	0.02	0.03	0.0	124,125,0	6.30e-03	4.05e-03	7.62e-03	124,124,125	0.06	124	0.86	0.06	0.94
	0.02	5.18e-03	0.0	112,113,0	6.30e-03	9.27e-04	9.27e-04	118,118			1.00	0.04	0.96
501	0.02	0.03	0.0	124,125,0	4.06e-03	5.00e-03	9.47e-03	125,121,121	0.05	125	0.86	0.06	0.94
	0.02	5.84e-03	0.0	112,113,0	4.05e-03	9.27e-04	9.27e-04	125,118,118			1.00	0.04	0.96
507	0.02	0.03	0.0	124,125,0	1.83e-04	5.00e-03	9.47e-03	4,121,121	0.01	4	0.86	0.06	0.94
	0.01	5.84e-03	0.0	112,113,0	1.83e-04	3.62e-04	3.62e-04	4,122,122			1.00	0.04	0.96
513	0.03	0.04	0.0	116,117,0	0.04	0.02	0.04	124,117,117	0.15	124	0.86	0.06	0.94
	0.12	0.08	0.0	117,116,0	0.04	0.03	0.03	124,116,116			1.00	0.04	0.96
531	0.04	0.05	0.0	114,111,0	0.04	0.02	0.04	124,117,117	0.15	124	0.86	0.06	0.94
	0.12	0.08	0.0	117,116,0	0.04	0.01	0.01	124,125,125			1.00	0.04	0.96
537	0.04	0.05	0.0	114,111,0	0.03	9.98e-03	0.02	125,117,116	0.14	125	0.86	0.06	0.94
	0.08	0.05	0.0	114,111,0	0.03	0.01	0.01	125,125,125			1.00	0.04	0.96
543	0.04	0.04	0.0	117,111,0	0.03	2.14e-03	0.01	125,113,111	0.12	125	0.86	0.06	0.94
	0.06	0.04	0.0	114,111,0	0.03	7.34e-03	7.34e-03	125,125,125			1.00	0.04	0.96
549	0.04	0.04	0.0	117,116,0	0.01	3.17e-03	8.81e-03	125,113,112	0.09	125	0.86	0.06	0.94
	0.04	0.03	0.0	118,115,0	0.01	5.32e-03	5.32e-03	125,117,117			1.00	0.04	0.96
555	0.06	0.05	0.0	114,111,0	0.01	3.17e-03	8.81e-03	115,113,112	0.08	115	0.86	0.06	0.94
	0.03	0.02	0.0	118,115,0	0.01	7.01e-03	7.01e-03	115,135,135			1.00	0.04	0.96
561	0.06	0.05	0.0	114,111,0	0.01	2.41e-03	8.52e-03	115,122,119	0.08	115	0.86	0.06	0.94
	0.01	6.79e-03	0.0	135,138,0	0.01	7.01e-03	7.01e-03	115,135,135			1.00	0.04	0.96
736	0.02	0.03	0.0	116,117,0	0.01	0.01	0.02	124,113,113	0.09	124	0.86	0.06	0.94
	0.09	0.06	0.0	125,124,0	0.01	0.03	0.03	124,116,116			1.00	0.04	0.96
737	0.01	0.01	0.0	117,116,0	0.01	7.23e-03	9.40e-03	124,116,116	0.09	124	0.86	0.06	0.94
	0.03	0.02	0.0	116,117,0	0.01	8.57e-03	8.57e-03	124,117,117			1.00	0.04	0.96
738	0.01	0.02	0.0	117,117,0	0.01	3.35e-03	7.19e-03	124,116,117	0.09	124	0.86	0.06	0.94
	0.05	0.03	0.0	116,117,0	0.01	8.20e-03	8.20e-03	124,124,124			1.00	0.04	0.96
739	0.01	0.01	0.0	125,116,0	0.01	1.82e-03	5.07e-03	124,119,119	0.09	124	0.86	0.06	0.94
	0.03	0.02	0.0	116,117,0	0.01	8.20e-03	8.20e-03	124,124,124			1.00	0.04	0.96
740	7.84e-03	0.01	0.0	117,117,0	0.01	1.24e-03	4.51e-03	124,111,116	0.08	124	0.86	0.06	0.94
	0.02	0.02	0.0	114,111,0	0.01	3.92e-03	3.92e-03	124,112,112			1.00	0.04	0.96
741	0.01	0.01	0.0	125,116,0	0.01	1.30e-03	4.59e-03	124,124,119	0.08	124	0.86	0.06	0.94
	0.02	0.02	0.0	116,117,0	0.01	3.17e-03	3.17e-03	124,116,116			1.00	0.04	0.96
742	5.13e-03	0.01	0.0	114,11,0	0.01	1.48e-03	3.92e-03	124,111,111	0.08	124	0.86	0.06	0.94
	0.02	0.01	0.0	114,116,0	0.01	3.92e-03	3.92e-03	124,112,112			1.00	0.04	0.96
743	8.61e-03	0.01	0.0	125,9,0	0.01	1.98e-03	4.59e-03	124,119,119	0.08	124	0.86	0.06	0.94
	0.02	0.01	0.0	114,116,0	0.01	1.72e-03	1.72e-03	124,111,111			1.00	0.04	0.96

744	2.23e-03	0.01	0.0	114,9,0	0.01	2.33e-03	3.45e-03	124,118,111	0.08	124	0.86	0.06	0.94
	0.02	0.02	0.0	125,124,0	0.01	3.31e-03	3.31e-03	124,121,121			1.00	0.04	0.96
745	5.83e-03	0.01	0.0	125,9,0	0.01	3.10e-03	4.49e-03	124,115,119	0.08	124	0.86	0.06	0.94
	0.02	0.02	0.0	125,124,0	0.01	1.49e-03	1.49e-03	112,112			1.00	0.04	0.96
746	0.0	0.01	0.0	0,9,0	8.89e-03	2.33e-03	3.25e-03	124,118,115	0.07	124	0.0	0.0	0.0
	0.02	0.02	0.0	125,124,0	8.89e-03	3.31e-03	3.31e-03	121,121			1.00	0.04	0.96
747	1.65e-03	0.01	0.0	125,9,0	9.18e-03	3.10e-03	4.36e-03	124,115,111	0.07	124	0.86	0.06	0.94
	0.02	0.02	0.0	125,124,0	9.18e-03	1.23e-03	1.23e-03	121,121			1.00	0.04	0.96
748	0.01	9.46e-03	0.0	117,116,0	0.01	4.99e-03	6.49e-03	116,116	0.08	124	0.86	0.06	0.94
	0.02	9.54e-03	0.0	116,117,0	0.01	3.55e-03	3.55e-03	117,117			1.00	0.04	0.96
749	0.01	0.01	0.0	125,125,0	0.01	2.56e-03	5.66e-03	119,125	0.08	124	0.86	0.06	0.94
	0.02	0.01	0.0	116,117,0	0.01	3.55e-03	3.55e-03	117,117			1.00	0.04	0.96
750	0.01	0.01	0.0	125,125,0	0.01	1.30e-03	4.83e-03	124,122	0.08	124	0.86	0.06	0.94
	0.01	0.01	0.0	114,117,0	0.01	3.17e-03	3.17e-03	116,116			1.00	0.04	0.96
751	8.61e-03	0.01	0.0	125,9,0	0.01	2.39e-03	5.30e-03	119,119	0.08	124	0.86	0.06	0.94
	0.01	0.01	0.0	114,116,0	0.01	2.01e-03	2.01e-03	111,111			1.00	0.04	0.96
752	5.83e-03	0.01	0.0	125,9,0	0.01	3.72e-03	5.30e-03	119,119	0.08	124	0.86	0.06	0.94
	0.02	0.02	0.0	125,124,0	0.01	1.40e-03	1.40e-03	111,111			1.00	0.04	0.96
753	1.65e-03	0.01	0.0	125,9,0	9.18e-03	3.72e-03	5.14e-03	119,119	0.07	124	0.86	0.06	0.94
	0.02	0.02	0.0	125,124,0	9.18e-03	7.63e-04	7.63e-04	125,125			1.00	0.04	0.96
754	0.02	0.03	0.0	124,125,0	9.18e-03	4.05e-03	7.71e-03	124,125	0.07	124	0.86	0.06	0.94
	0.02	5.34e-03	0.0	112,117,0	9.17e-03	1.45e-03	1.45e-03	117,117			1.00	0.04	0.96
755	0.02	0.03	0.0	124,125,0	9.18e-03	2.65e-03	7.71e-03	119,125	0.07	124	0.86	0.06	0.94
	0.02	5.86e-03	0.0	116,111,0	9.17e-03	2.31e-03	2.31e-03	117,117			1.00	0.04	0.96
756	0.02	0.03	0.0	124,125,0	8.74e-03	1.11e-03	6.60e-03	124,125	0.07	124	0.86	0.06	0.94
	8.11e-03	7.35e-03	0.0	114,117,0	8.74e-03	2.31e-03	2.31e-03	117,117			1.00	0.04	0.96
757	0.01	0.02	0.0	124,125,0	8.47e-03	2.77e-03	6.97e-03	119,125	0.07	124	0.86	0.06	0.94
	8.29e-03	0.01	0.0	125,124,0	8.47e-03	2.01e-03	2.01e-03	111,111			1.00	0.04	0.96
758	8.24e-03	0.02	0.0	124,9,0	8.42e-03	4.45e-03	6.97e-03	124,125	0.07	124	0.86	0.06	0.94
	0.01	0.02	0.0	125,124,0	8.42e-03	1.40e-03	1.40e-03	111,111			1.00	0.04	0.96
759	0.0	0.02	0.0	0,9,0	5.47e-03	4.45e-03	6.55e-03	122,125	0.06	124	0.0	0.0	0.0
	0.01	0.02	0.0	125,124,0	5.46e-03	6.04e-04	6.04e-04	119,119			1.00	0.04	0.96
760	0.02	0.04	0.0	124,125,0	6.30e-03	5.00e-03	9.53e-03	121,125	0.06	124	0.86	0.06	0.94
	0.02	5.84e-03	0.0	112,113,0	6.30e-03	9.27e-04	9.27e-04	118,118			1.00	0.04	0.96
761	0.02	0.04	0.0	124,125,0	6.30e-03	3.46e-03	9.53e-03	121,125	0.06	124	0.86	0.06	0.94
	0.01	3.17e-03	0.0	116,117,0	6.30e-03	1.31e-03	1.31e-03	114,114			1.00	0.04	0.96
762	0.02	0.03	0.0	124,9,0	5.49e-03	1.78e-03	8.56e-03	126,125	0.06	124	0.86	0.06	0.94
	4.80e-03	4.07e-03	0.0	117,117,0	5.49e-03	1.49e-03	1.49e-03	114,114			1.00	0.04	0.96
763	0.01	0.04	0.0	124,9,0	5.98e-03	2.77e-03	7.81e-03	119,125	0.06	124	0.86	0.06	0.94
	5.92e-03	0.01	0.0	125,11,0	5.98e-03	1.49e-03	1.49e-03	114,114			1.00	0.04	0.96
764	8.24e-03	0.04	0.0	124,9,0	5.98e-03	4.64e-03	7.81e-03	122,125	0.06	124	0.86	0.06	0.94
	0.01	0.02	0.0	125,124,0	5.98e-03	1.37e-03	1.37e-03	117,117			1.00	0.04	0.96
765	0.0	0.03	0.0	0,9,0	3.58e-03	4.64e-03	7.39e-03	122,122	0.05	124	0.0	0.0	0.0
	0.01	0.02	0.0	125,124,0	3.58e-03	3.78e-04	3.78e-04	126,126			1.00	0.04	0.96
766	0.02	0.04	0.0	124,125,0	1.20e-03	5.00e-03	9.53e-03	120,121,125	0.03	120	0.86	0.06	0.94
	0.01	5.84e-03	0.0	112,113,0	1.20e-03	4.46e-04	4.46e-04	114,114			1.00	0.04	0.96
767	0.02	0.04	0.0	124,125,0	1.20e-03	3.46e-03	9.53e-03	120,121,125	0.03	120	0.86	0.06	0.94
	0.01	2.97e-03	0.0	112,113,0	1.20e-03	4.59e-04	4.59e-04	117,117			1.00	0.04	0.96
768	0.02	0.03	0.0	124,9,0	8.85e-04	1.78e-03	8.56e-03	126,125	0.02	124	0.86	0.06	0.94
	3.28e-03	2.62e-03	0.0	117,125,0	8.85e-04	5.79e-04	5.79e-04	113,113			1.00	0.04	0.96
769	0.01	0.04	0.0	124,9,0	1.84e-03	2.49e-03	7.81e-03	112,125	0.03	11	0.86	0.06	0.94
	2.92e-03	0.01	0.0	125,11,0	1.84e-03	7.47e-04	7.47e-04	113,113			1.00	0.04	0.96
770	5.71e-03	0.04	0.0	124,9,0	1.84e-03	4.64e-03	7.81e-03	112,125	0.03	11	0.86	0.06	0.94
	9.01e-03	0.02	0.0	125,124,0	1.84e-03	7.47e-04	7.47e-04	113,113			1.00	0.04	0.96
771	0.0	0.03	0.0	0,9,0	3.11e-04	4.64e-03	7.39e-03	122,122	0.01	124	0.0	0.0	0.0
	9.01e-03	0.02	0.0	125,124,0	3.06e-04	3.78e-04	3.78e-04	126,126			1.00	0.04	0.96
772	0.03	0.04	0.0	116,117,0	0.04	0.02	0.04	117,117	0.15	124	0.86	0.06	0.94
	0.12	0.08	0.0	117,116,0	0.04	0.03	0.03	116,116			1.00	0.04	0.96
773	8.82e-03	0.02	0.0	116,11,0	0.04	8.06e-03	0.01	116,111	0.15	124	0.86	0.06	0.94
	0.07	0.05	0.0	116,117,0	0.04	0.02	0.02	118,118			1.00	0.04	0.96
774	5.00e-03	0.02	0.0	116,11,0	0.04	2.33e-03	5.14e-03	111,111	0.15	124	0.86	0.06	0.94
	0.04	0.03	0.0	114,111,0	0.04	0.01	0.01	118,118			1.00	0.04	0.96
775	2.97e-03	0.02	0.0	116,11,0	0.04	1.11e-03	3.03e-03	111,114	0.15	124	0.86	0.06	0.94
	0.02	0.02	0.0	114,111,0	0.04	0.01	0.01	115,115			1.00	0.04	0.96
776	9.90e-04	0.01	0.0	116,11,0	0.04	1.68e-03	2.58e-03	118,114	0.15	124	0.86	0.06	0.94
	0.02	0.01	0.0	125,124,0	0.04	7.05e-03	7.05e-03	115,115			1.00	0.04	0.96
777	0.0	9.72e-03	0.0	0,11,0	0.03	1.68e-03	2.43e-03	118,118	0.14	125	0.0	0.0	0.0
	0.02	0.01	0.0	125,124,0	0.03	3.31e-03	3.31e-03	121,121			1.00	0.04	0.96
790	0.04	0.05	0.0	114,111,0	0.04	0.02	0.04	117,117	0.15	124	0.86	0.06	0.94
	0.12	0.08	0.0	117,116,0	0.04	0.02	0.02	118,118			1.00	0.04	0.96
791	0.02	0.03	0.0	118,115,0	0.04	8.86e-03	0.02	114,111	0.15	124	0.86	0.06	0.94
	0.08	0.06	0.0	111,114,0	0.04	0.02	0.02	118,118			1.00	0.04	0.96
792	0.01	0.02	0.0	118,115,0	0.04	3.90e-03	8.40e-03	111,111	0.15	124	0.86	0.06	0.94
	0.06	0.04	0.0	114,111,0	0.04	0.01	0.01	118,118			1.00	0.04	0.96
793	5.26e-03	0.02	0.0	113,112,0	0.04	1.56e-03	4.24e-03	111,115	0.15	124	0.86	0.06	0.94

	0.04	0.03	0.0	114,111,0	0.04	0.01	0.01124,115,115			1.00	0.04	0.96
794	1.87e-03	0.01	0.0	113,11,0	0.04	1.50e-03	2.84e-03124,113,112	0.15	124	0.86	0.06	0.94
	0.02	0.02	0.0	114,111,0	0.04	7.05e-03	7.05e-03124,115,115			1.00	0.04	0.96
795	0.0	0.01	0.0	0,11,0	0.03	1.50e-03	2.37e-03125,113,112	0.14	125	0.0	0.0	0.0
	0.02	9.92e-03	0.0	125,124,0	0.03	1.82e-03	1.82e-03125,113,113			1.00	0.04	0.96
796	0.04	0.05	0.0	114,111,0	0.03	9.98e-03	0.02125,117,116	0.14	125	0.86	0.06	0.94
	0.08	0.06	0.0	111,114,0	0.03	0.01	0.01125,125,125			1.00	0.04	0.96
797	0.03	0.04	0.0	117,116,0	0.03	8.86e-03	0.02125,114,111	0.14	125	0.86	0.06	0.94
	0.08	0.06	0.0	111,114,0	0.03	9.29e-03	9.29e-03125,125,125			1.00	0.04	0.96
798	0.02	0.03	0.0	113,112,0	0.03	3.90e-03	8.65e-03125,111,111	0.14	125	0.86	0.06	0.94
	0.06	0.05	0.0	114,111,0	0.03	6.14e-03	6.14e-03125,115,115			1.00	0.04	0.96
799	0.01	0.02	0.0	113,112,0	0.03	1.92e-03	5.39e-03125,116,112	0.14	125	0.86	0.06	0.94
	0.05	0.04	0.0	115,115,0	0.03	6.14e-03	6.14e-03125,115,115			1.00	0.04	0.96
800	5.30e-03	0.01	0.0	113,11,0	0.03	1.80e-03	3.47e-03125,112,112	0.14	125	0.86	0.06	0.94
	0.03	0.03	0.0	118,115,0	0.03	4.55e-03	4.55e-03125,115,115			1.00	0.04	0.96
801	0.0	0.01	0.0	0,11,0	0.03	1.80e-03	2.78e-03125,112,112	0.13	125	0.0	0.0	0.0
	0.03	0.02	0.0	115,118,0	0.03	1.37e-03	1.37e-03125,117,117			1.00	0.04	0.96
802	0.04	0.04	0.0	117,111,0	0.03	3.95e-03	0.01125,114,111	0.12	125	0.86	0.06	0.94
	0.07	0.05	0.0	115,118,0	0.03	9.29e-03	9.29e-03125,125,125			1.00	0.04	0.96
803	0.03	0.04	0.0	117,116,0	0.02	3.95e-03	0.01125,114,111	0.12	125	0.86	0.06	0.94
	0.07	0.05	0.0	115,118,0	0.02	9.29e-03	9.29e-03125,125,125			1.00	0.04	0.96
804	0.02	0.03	0.0	113,112,0	0.02	3.62e-03	8.65e-03125,111,111	0.12	125	0.86	0.06	0.94
	0.06	0.05	0.0	114,111,0	0.02	6.17e-03	6.17e-03125,114,114			1.00	0.04	0.96
805	0.02	0.02	0.0	113,112,0	0.02	1.92e-03	5.43e-03125,116,112	0.12	125	0.86	0.06	0.94
	0.05	0.04	0.0	115,115,0	0.02	3.87e-03	3.87e-03125,111,111			1.00	0.04	0.96
806	7.92e-03	0.01	0.0	113,112,0	0.02	1.83e-03	3.68e-03125,112,112	0.12	125	0.86	0.06	0.94
	0.03	0.03	0.0	118,115,0	0.02	1.90e-03	1.90e-03125,111,111			1.00	0.04	0.96
807	3.93e-04	0.01	0.0	113,11,0	0.02	1.83e-03	2.86e-03125,112,112	0.11	125	0.86	0.06	0.94
	0.03	0.02	0.0	115,118,0	0.02	1.37e-03	1.37e-03125,117,117			1.00	0.04	0.96
808	0.04	0.04	0.0	117,116,0	0.01	3.17e-03	8.81e-03125,113,112	0.09	125	0.86	0.06	0.94
	0.05	0.03	0.0	115,118,0	0.01	7.08e-03	7.08e-03125,117,117			1.00	0.04	0.96
809	0.04	0.04	0.0	117,116,0	0.01	1.99e-03	6.99e-03125,111,116	0.09	125	0.86	0.06	0.94
	0.05	0.04	0.0	118,115,0	0.01	7.53e-03	7.53e-03125,115,115			1.00	0.04	0.96
810	0.03	0.03	0.0	113,112,0	0.01	1.99e-03	6.99e-03125,111,116	0.09	125	0.86	0.06	0.94
	0.05	0.04	0.0	118,115,0	0.01	7.53e-03	7.53e-03125,115,115			1.00	0.04	0.96
811	0.02	0.02	0.0	113,112,0	0.01	1.77e-03	5.43e-03125,116,112	0.09	125	0.86	0.06	0.94
	0.05	0.03	0.0	118,115,0	0.01	6.61e-03	6.61e-03125,115,115			1.00	0.04	0.96
812	0.01	0.01	0.0	113,112,0	0.01	1.83e-03	3.68e-03125,112,112	0.08	125	0.86	0.06	0.94
	0.03	0.02	0.0	118,115,0	0.01	4.52e-03	4.52e-03125,115,115			1.00	0.04	0.96
813	1.54e-03	0.01	0.0	113,9,0	0.01	1.83e-03	2.86e-03125,112,112	0.08	125	0.86	0.06	0.94
	0.03	0.02	0.0	115,118,0	0.01	7.49e-04	7.49e-04125,113,113			1.00	0.04	0.96
814	0.06	0.05	0.0	114,111,0	0.01	3.17e-03	8.81e-03115,113,112	0.08	115	0.86	0.06	0.94
	0.03	0.02	0.0	118,115,0	0.01	8.93e-03	8.93e-03115,115,115			1.00	0.04	0.96
815	0.05	0.04	0.0	114,111,0	0.01	1.07e-03	6.36e-03115,113,112	0.08	115	0.86	0.06	0.94
	0.04	0.03	0.0	118,115,0	0.01	9.53e-03	9.53e-03115,115,115			1.00	0.04	0.96
816	0.03	0.03	0.0	114,111,0	0.01	1.12e-03	5.45e-03115,116,116	0.08	115	0.86	0.06	0.94
	0.04	0.03	0.0	118,115,0	0.01	9.53e-03	9.53e-03115,115,115			1.00	0.04	0.96
817	0.02	0.02	0.0	114,111,0	0.01	1.12e-03	4.47e-03115,116,112	0.08	115	0.86	0.06	0.94
	0.03	0.02	0.0	118,115,0	0.01	9.15e-03	9.15e-03115,115,115			1.00	0.04	0.96
818	0.01	0.01	0.0	113,112,0	0.01	1.31e-03	3.34e-03115,113,112	0.08	115	0.86	0.06	0.94
	0.03	0.02	0.0	118,115,0	0.01	6.50e-03	6.50e-03115,115,115			1.00	0.04	0.96
819	1.54e-03	0.01	0.0	113,9,0	0.01	1.31e-03	2.21e-03115,113,112	0.08	115	0.86	0.06	0.94
	0.02	0.02	0.0	115,118,0	0.01	1.47e-03	1.47e-03115,117,117			1.00	0.04	0.96
820	0.06	0.05	0.0	114,111,0	0.01	2.41e-03	8.52e-03115,122,119	0.08	115	0.86	0.06	0.94
	0.01	8.38e-03	0.0	115,118,0	0.01	8.93e-03	8.93e-03115,115,115			1.00	0.04	0.96
821	0.05	0.04	0.0	114,111,0	0.01	8.42e-04	5.53e-03115,118,111	0.08	115	0.86	0.06	0.94
	0.01	8.95e-03	0.0	118,115,0	0.01	9.53e-03	9.53e-03115,115,115			1.00	0.04	0.96
822	0.03	0.03	0.0	114,111,0	0.01	6.14e-04	4.04e-03115,118,111	0.08	115	0.86	0.06	0.94
	0.01	9.03e-03	0.0	118,115,0	0.01	9.53e-03	9.53e-03115,115,115			1.00	0.04	0.96
823	0.02	0.02	0.0	114,111,0	0.01	7.07e-04	3.05e-03115,114,111	0.08	115	0.86	0.06	0.94
	0.01	9.03e-03	0.0	118,115,0	0.01	9.15e-03	9.15e-03115,115,115			1.00	0.04	0.96
824	0.01	0.01	0.0	113,112,0	0.01	7.07e-04	2.16e-03115,114,119	0.08	115	0.86	0.06	0.94
	8.00e-03	6.04e-03	0.0	115,115,0	0.01	6.50e-03	6.50e-03115,115,115			1.00	0.04	0.96
825	3.35e-03	0.01	0.0	114,9,0	0.01	1.31e-03	2.16e-03115,113,112	0.08	115	0.86	0.06	0.94
	0.02	9.79e-03	0.0	115,118,0	0.01	4.50e-03	4.50e-03115,115,115			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.12	0.08	0.0		0.04	0.03	0.04		0.15			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
21	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.49	-9.2	17	0.34	-6.5	25	0.42	2290.5	8.652e+04	116

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
513	0.04	0.05	0.0	116,117,0	0.04	9.86e-04	5.08e-03	113,139,114	0.15	113	0.86	0.06	0.94
	0.01	8.04e-03	0.0	125,124,0	0.04	1.80e-03	1.80e-03	113,119,119			1.00	0.04	0.96
519	0.04	0.05	0.0	116,117,0	0.04	4.69e-03	7.85e-03	113,134,129	0.15	113	0.86	0.06	0.94
	0.02	0.01	0.0	114,111,0	0.04	1.80e-03	1.80e-03	113,119,119			1.00	0.04	0.96
525	0.01	0.03	0.0	132,133,0	5.77e-04	4.69e-03	7.85e-03	127,134,129	0.02	127	0.86	0.06	0.94
	0.02	0.01	0.0	114,111,0	5.71e-04	1.75e-03	1.75e-03	127,136,136			1.00	0.04	0.96
772	0.04	0.05	0.0	116,117,0	0.04	1.53e-03	5.08e-03	113,124,114	0.15	113	0.86	0.06	0.94
	0.01	8.04e-03	0.0	125,124,0	0.04	1.80e-03	1.80e-03	113,119,119			1.00	0.04	0.96
773	0.03	0.04	0.0	116,113,0	0.03	1.53e-03	4.88e-03	113,124,117	0.13	113	0.86	0.06	0.94
	3.97e-03	2.80e-03	0.0	116,117,0	0.03	1.32e-03	1.32e-03	113,128,128			1.00	0.04	0.96
774	0.02	0.03	0.0	112,113,0	0.02	1.24e-03	3.85e-03	113,124,122	0.12	113	0.86	0.06	0.94
	1.59e-03	1.21e-03	0.0	112,113,0	0.02	1.27e-03	1.27e-03	113,133,133			1.00	0.04	0.96
775	0.01	0.02	0.0	112,113,0	0.02	1.59e-03	3.25e-03	113,119,125	0.11	113	0.86	0.06	0.94
	1.59e-03	1.21e-03	0.0	112,113,0	0.02	1.27e-03	1.27e-03	113,133,133			1.00	0.04	0.96
776	9.85e-03	0.01	0.0	112,113,0	0.02	2.04e-03	3.55e-03	113,132,11	0.10	113	0.86	0.06	0.94
	1.57e-03	1.22e-03	0.0	116,11,0	0.02	7.51e-04	7.51e-04	113,133,133			1.00	0.04	0.96
777	4.56e-03	0.01	0.0	112,11,0	0.02	3.06e-03	3.55e-03	113,132,11	0.10	113	0.86	0.06	0.94
	2.74e-03	2.00e-03	0.0	121,120,0	0.02	1.87e-03	1.87e-03	113,141,141			1.00	0.04	0.96
778	0.04	0.05	0.0	116,117,0	0.04	4.69e-03	7.85e-03	113,134,129	0.15	113	0.86	0.06	0.94
	0.02	0.01	0.0	114,111,0	0.04	1.80e-03	1.80e-03	113,119,119			1.00	0.04	0.96
779	0.03	0.04	0.0	116,113,0	0.03	2.82e-03	7.30e-03	113,131,133	0.13	113	0.86	0.06	0.94
	4.58e-03	3.42e-03	0.0	112,113,0	0.03	1.32e-03	1.32e-03	113,128,128			1.00	0.04	0.96
780	0.02	0.03	0.0	112,113,0	0.02	1.24e-03	5.98e-03	113,124,127	0.12	113	0.86	0.06	0.94
	1.62e-03	1.27e-03	0.0	125,124,0	0.02	1.27e-03	1.27e-03	113,133,133			1.00	0.04	0.96
781	0.01	0.02	0.0	112,113,0	0.02	3.04e-03	6.25e-03	113,140,133	0.11	113	0.86	0.06	0.94
	1.59e-03	1.21e-03	0.0	112,113,0	0.02	1.27e-03	1.27e-03	113,133,133			1.00	0.04	0.96
782	9.85e-03	0.01	0.0	112,113,0	0.02	4.90e-03	6.25e-03	113,133,133	0.10	113	0.86	0.06	0.94
	3.72e-03	2.16e-03	0.0	113,112,0	0.02	1.87e-03	1.87e-03	113,141,141			1.00	0.04	0.96
783	4.56e-03	4.67e-03	0.0	112,113,0	0.02	4.90e-03	6.07e-03	113,133,133	0.10	113	0.86	0.06	0.94
	3.72e-03	2.16e-03	0.0	113,112,0	0.02	1.87e-03	1.87e-03	113,141,141			1.00	0.04	0.96
784	0.01	0.03	0.0	132,133,0	5.92e-04	4.69e-03	7.85e-03	127,134,129	0.02	127	0.86	0.06	0.94
	0.02	0.01	0.0	114,111,0	5.86e-04	1.75e-03	1.75e-03	127,136,136			1.00	0.04	0.96
785	0.01	0.03	0.0	132,133,0	5.92e-04	2.82e-03	7.30e-03	127,131,133	0.02	127	0.86	0.06	0.94
	4.58e-03	3.42e-03	0.0	112,113,0	5.86e-04	4.12e-04	4.12e-04	127,111,111			1.00	0.04	0.96
786	0.01	0.02	0.0	132,133,0	5.81e-04	1.19e-03	5.98e-03	127,131,127	0.02	127	0.86	0.06	0.94
	1.62e-03	1.27e-03	0.0	125,124,0	5.77e-04	4.19e-04	4.19e-04	127,140,140			1.00	0.04	0.96
787	0.01	0.02	0.0	130,127,0	5.44e-04	3.04e-03	6.25e-03	127,140,133	0.02	127	0.86	0.06	0.94
	1.46e-03	9.27e-04	0.0	115,129,0	5.42e-04	5.79e-04	5.79e-04	127,124,124			1.00	0.04	0.96
788	9.22e-03	0.01	0.0	130,127,0	9.64e-04	4.90e-03	6.25e-03	111,133,133	0.02	111	0.86	0.06	0.94
	3.72e-03	2.16e-03	0.0	113,112,0	9.64e-04	1.35e-03	1.35e-03	111,125,125			1.00	0.04	0.96
789	3.51e-03	4.24e-03	0.0	130,127,0	9.64e-04	4.90e-03	6.07e-03	111,133,133	0.02	111	0.86	0.06	0.94
	3.72e-03	2.16e-03	0.0	113,112,0	9.64e-04	1.35e-03	1.35e-03	111,125,125			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.04	0.05	0.0		0.04	4.90e-03	7.85e-03		0.15				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
22	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.71	16.1	19	0.63	14.3	19	0.58	5115.7	-2.769e+05	115

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
561	0.04	0.04	0.0	122,119,0	0.04	0.01	0.02	115,139,123	0.15	115	0.86	0.06	0.94
	0.06	0.04	0.0	128,129,0	0.04	0.02	0.02	115,129,129			1.00	0.04	0.96
567	0.05	0.04	0.0	115,118,0	0.04	0.01	0.02	115,139,123	0.15	115	0.86	0.06	0.94
	0.06	0.04	0.0	128,129,0	0.04	0.02	0.02	115,129,129			1.00	0.04	0.96
573	0.11	0.10	0.0	115,118,0	0.03	4.95e-03	0.02	115,140,117	0.14	115	0.86	0.06	0.94
	0.02	0.02	0.0	136,137,0	0.03	0.01	0.01	115,129,129			1.00	0.04	0.96

579	0.11	0.10	0.0 115,118,0	6.27e-03	4.95e-03	0.02115,140,117	0.06	115	0.86	0.06	0.94
	5.19e-03	3.83e-03	0.0 136,137,0	6.27e-03	4.84e-03	4.84e-03115,141,141			1.00	0.04	0.96
820	0.04	0.04	0.0 122,119,0	0.04	0.01	0.02115,139,123	0.15	115	0.86	0.06	0.94
	0.06	0.04	0.0 128,129,0	0.04	0.02	0.02115,129,129			1.00	0.04	0.96
821	0.03	0.02	0.0 114,116,0	0.03	2.10e-03	4.62e-03115,119,119	0.14	115	0.86	0.06	0.94
	0.01	0.01	0.0 128,128,0	0.03	4.78e-03	4.78e-03115,129,129			1.00	0.04	0.96
822	0.02	0.02	0.0 114,111,0	0.03	8.55e-04	2.79e-03115,142,119	0.14	115	0.86	0.06	0.94
	2.36e-03	1.82e-03	0.0 128,129,0	0.03	3.99e-03	3.99e-03115,140,140			1.00	0.04	0.96
823	0.01	0.01	0.0 114,111,0	0.03	9.00e-04	2.33e-03115,115,119	0.14	115	0.86	0.06	0.94
	2.36e-03	1.82e-03	0.0 128,129,0	0.03	1.64e-03	1.64e-03115,129,129			1.00	0.04	0.96
824	8.93e-03	8.11e-03	0.0 114,111,0	0.03	1.46e-03	2.19e-03115,118,115	0.13	115	0.86	0.06	0.94
	3.96e-03	3.26e-03	0.0 114,111,0	0.03	1.92e-03	1.92e-03115,120,120			1.00	0.04	0.96
825	2.68e-03	3.25e-03	0.0 114,111,0	0.03	1.46e-03	2.06e-03115,118,138	0.13	115	0.86	0.06	0.94
	3.96e-03	3.26e-03	0.0 114,111,0	0.03	1.92e-03	1.92e-03115,120,120			1.00	0.04	0.96
826	0.05	0.04	0.0 115,118,0	0.04	0.01	0.02115,139,123	0.15	115	0.86	0.06	0.94
	0.06	0.04	0.0 128,129,0	0.04	0.02	0.02115,129,129			1.00	0.04	0.96
827	0.04	0.03	0.0 115,118,0	0.03	2.10e-03	5.25e-03115,119,142	0.14	115	0.86	0.06	0.94
	0.01	0.01	0.0 128,128,0	0.03	4.78e-03	4.78e-03115,129,129			1.00	0.04	0.96
828	0.03	0.03	0.0 115,118,0	0.03	8.55e-04	4.69e-03115,142,138	0.14	115	0.86	0.06	0.94
	2.94e-03	1.94e-03	0.0 140,140,0	0.03	3.99e-03	3.99e-03115,140,140			1.00	0.04	0.96
829	0.02	0.02	0.0 115,118,0	0.03	2.03e-03	4.96e-03115,130,138	0.14	115	0.86	0.06	0.94
	3.31e-03	2.52e-03	0.0 115,113,0	0.03	1.64e-03	1.64e-03115,129,129			1.00	0.04	0.96
830	0.01	0.01	0.0 115,118,0	0.03	3.71e-03	4.96e-03115,134,138	0.13	115	0.86	0.06	0.94
	0.01	9.78e-03	0.0 118,115,0	0.03	1.92e-03	1.92e-03115,120,120			1.00	0.04	0.96
831	4.68e-03	4.21e-03	0.0 115,118,0	0.03	3.71e-03	4.84e-03115,134,134	0.13	115	0.86	0.06	0.94
	0.01	9.78e-03	0.0 118,115,0	0.03	1.92e-03	1.92e-03115,120,120			1.00	0.04	0.96
832	0.11	0.10	0.0 115,118,0	0.03	4.95e-03	0.02115,140,117	0.14	115	0.86	0.06	0.94
	0.02	0.02	0.0 136,137,0	0.03	0.01	0.01115,129,129			1.00	0.04	0.96
833	0.09	0.08	0.0 115,118,0	0.03	4.02e-03	0.01115,129,118	0.13	115	0.86	0.06	0.94
	5.75e-03	4.46e-03	0.0 140,140,0	0.03	3.04e-03	3.04e-03115,136,136			1.00	0.04	0.96
834	0.07	0.06	0.0 115,118,0	0.03	2.12e-03	0.01115,138,118	0.13	115	0.86	0.06	0.94
	2.94e-03	1.94e-03	0.0 140,140,0	0.03	8.76e-04	8.76e-04115,140,140			1.00	0.04	0.96
835	0.05	0.04	0.0 115,118,0	0.03	4.26e-03	8.91e-03115,134,130	0.13	115	0.86	0.06	0.94
	3.31e-03	2.52e-03	0.0 115,113,0	0.03	6.04e-04	6.04e-04115,127,127			1.00	0.04	0.96
836	0.03	0.03	0.0 111,114,0	0.03	6.36e-03	8.91e-03115,134,130	0.13	115	0.86	0.06	0.94
	0.01	9.78e-03	0.0 118,115,0	0.03	2.14e-03	2.14e-03115,135,135			1.00	0.04	0.96
837	0.01	9.02e-03	0.0 111,114,0	0.03	6.36e-03	8.08e-03115,134,134	0.12	115	0.86	0.06	0.94
	0.01	9.78e-03	0.0 118,115,0	0.03	2.14e-03	2.14e-03115,135,135			1.00	0.04	0.96
838	0.11	0.10	0.0 115,118,0	6.27e-03	4.95e-03	0.02115,140,117	0.06	115	0.86	0.06	0.94
	5.19e-03	3.83e-03	0.0 136,137,0	6.27e-03	4.84e-03	4.84e-03115,141,141			1.00	0.04	0.96
839	0.09	0.08	0.0 115,118,0	6.00e-03	4.02e-03	0.01115,129,118	0.06	115	0.86	0.06	0.94
	1.30e-03	9.76e-04	0.0 140,140,0	6.00e-03	1.03e-03	1.03e-03115,140,140			1.00	0.04	0.96
840	0.07	0.06	0.0 115,118,0	5.73e-03	2.12e-03	0.01115,138,118	0.06	115	0.86	0.06	0.94
	1.30e-03	9.36e-04	0.0 140,135,0	5.73e-03	8.76e-04	8.76e-04115,140,140			1.00	0.04	0.96
841	0.05	0.04	0.0 115,118,0	5.42e-03	4.26e-03	8.91e-03115,134,130	0.06	115	0.86	0.06	0.94
	2.95e-03	1.99e-03	0.0 115,118,0	5.42e-03	6.04e-04	6.04e-04115,127,127			1.00	0.04	0.96
842	0.03	0.03	0.0 111,114,0	5.05e-03	6.36e-03	8.91e-03111,134,130	0.05	111	0.86	0.06	0.94
	0.01	8.29e-03	0.0 118,115,0	5.05e-03	2.14e-03	2.14e-03111,135,135			1.00	0.04	0.96
843	0.01	9.02e-03	0.0 111,114,0	5.05e-03	6.36e-03	8.08e-03111,134,134	0.05	111	0.86	0.06	0.94
	0.01	8.29e-03	0.0 118,115,0	5.05e-03	2.14e-03	2.14e-03111,135,135			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.11	0.10	0.0	0.04	0.02	0.02	0.15

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
23	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.71	kN	17	0.63	kN	17	0.58	kN	kN m	113			
		-16.1			-14.3			5115.7	2.768e+05				
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
319	0.04	0.04	0.0 124,125,0		0.04	0.01	0.02113,133,121	0.15	113	0.86	0.06	0.94	
	0.06	0.04	0.0 138,135,0		0.04	0.02	0.02113,135,135			1.00	0.04	0.96	
391	0.02	0.02	0.0 113,112,0		0.03	2.02e-03	4.94e-03113,140,132	0.14	113	0.86	0.06	0.94	
	2.61e-03	2.06e-03	0.0 117,115,0		0.03	1.64e-03	1.64e-03113,135,135			1.00	0.04	0.96	
392	0.01	0.01	0.0 113,112,0		0.03	3.71e-03	4.94e-03113,140,132	0.13	113	0.86	0.06	0.94	
	8.82e-03	6.57e-03	0.0 112,113,0		0.03	1.83e-03	1.83e-03113,112,112			1.00	0.04	0.96	
393	4.71e-03	4.20e-03	0.0 113,112,0		0.03	3.71e-03	4.83e-03113,140,140	0.13	113	0.86	0.06	0.94	

	8.82e-03	6.57e-03	0.0	112,113,0	0.03	1.83e-03	1.83e-03	03113,112,112		1.00	0.04	0.96	
590	0.11	0.10	0.0	113,112,0	6.27e-03	4.96e-03	0.02	113,134,111	0.06	113	0.86	0.06	0.94
	5.20e-03	3.84e-03	0.0	130,127,0	6.27e-03	4.84e-03	4.84e-03	03113,131,131		1.00	0.04	0.96	
591	0.11	0.10	0.0	113,112,0	0.03	4.96e-03	0.02	113,134,111	0.14	113	0.86	0.06	0.94
	0.02	0.02	0.0	130,127,0	0.03	0.01	0.01	113,135,135		1.00	0.04	0.96	
597	0.05	0.04	0.0	113,112,0	0.04	0.01	0.02	113,133,121	0.15	113	0.86	0.06	0.94
	0.06	0.04	0.0	138,135,0	0.04	0.02	0.02	113,135,135		1.00	0.04	0.96	
611	0.04	0.04	0.0	124,125,0	0.04	0.01	0.02	113,133,121	0.15	113	0.86	0.06	0.94
	0.06	0.04	0.0	138,135,0	0.04	0.02	0.02	113,135,135		1.00	0.04	0.96	
613	0.03	0.02	0.0	116,114,0	0.03	2.09e-03	4.62e-03	03113,125,125	0.14	113	0.86	0.06	0.94
	0.01	0.01	0.0	138,138,0	0.03	4.79e-03	4.79e-03	03113,135,135		1.00	0.04	0.96	
615	0.02	0.02	0.0	116,117,0	0.03	8.56e-04	2.80e-03	03113,132,125	0.14	113	0.86	0.06	0.94
	2.35e-03	1.82e-03	0.0	138,135,0	0.03	3.99e-03	3.99e-03	03113,134,134		1.00	0.04	0.96	
617	0.01	0.01	0.0	116,117,0	0.03	9.21e-04	2.33e-03	03113,113,125	0.14	113	0.86	0.06	0.94
	2.35e-03	1.82e-03	0.0	138,135,0	0.03	1.64e-03	1.64e-03	03113,135,135		1.00	0.04	0.96	
619	8.89e-03	8.07e-03	0.0	116,117,0	0.03	1.42e-03	2.20e-03	03113,112,113	0.13	113	0.86	0.06	0.94
	2.42e-03	2.03e-03	0.0	124,125,0	0.03	1.83e-03	1.83e-03	03113,112,112		1.00	0.04	0.96	
621	2.64e-03	3.21e-03	0.0	116,117,0	0.03	1.42e-03	2.03e-03	03113,112,128	0.13	113	0.86	0.06	0.94
	2.42e-03	2.03e-03	0.0	124,125,0	0.03	1.83e-03	1.83e-03	03113,112,112		1.00	0.04	0.96	
844	0.11	0.10	0.0	113,112,0	6.27e-03	4.96e-03	0.02	113,134,111	0.06	113	0.86	0.06	0.94
	5.20e-03	3.84e-03	0.0	130,127,0	6.27e-03	4.84e-03	4.84e-03	03113,131,131		1.00	0.04	0.96	
845	0.11	0.10	0.0	113,112,0	0.03	4.96e-03	0.02	113,134,111	0.14	113	0.86	0.06	0.94
	0.02	0.02	0.0	130,127,0	0.03	0.01	0.01	113,135,135		1.00	0.04	0.96	
846	0.09	0.08	0.0	113,112,0	6.00e-03	4.03e-03	0.01	113,135,112	0.06	113	0.86	0.06	0.94
	1.29e-03	9.78e-04	0.0	134,134,0	6.00e-03	1.03e-03	1.03e-03	03113,134,134		1.00	0.04	0.96	
847	0.09	0.08	0.0	113,112,0	0.03	4.03e-03	0.01	113,135,112	0.13	113	0.86	0.06	0.94
	5.75e-03	4.46e-03	0.0	134,134,0	0.03	3.05e-03	3.05e-03	03113,130,130		1.00	0.04	0.96	
848	0.07	0.06	0.0	113,112,0	5.72e-03	2.12e-03	0.01	113,128,112	0.06	113	0.86	0.06	0.94
	1.48e-03	1.08e-03	0.0	128,129,0	5.72e-03	8.74e-04	8.74e-04	03113,134,134		1.00	0.04	0.96	
849	0.07	0.06	0.0	113,112,0	0.03	2.12e-03	0.01	113,128,112	0.13	113	0.86	0.06	0.94
	2.94e-03	1.93e-03	0.0	134,134,0	0.03	8.74e-04	8.74e-04	03113,134,134		1.00	0.04	0.96	
850	0.05	0.04	0.0	113,112,0	5.42e-03	4.27e-03	8.92e-03	03113,140,136	0.06	113	0.86	0.06	0.94
	4.25e-03	2.88e-03	0.0	113,112,0	5.42e-03	6.13e-04	6.13e-04	03113,129,129		1.00	0.04	0.96	
851	0.05	0.04	0.0	113,112,0	0.03	4.27e-03	8.92e-03	03113,140,136	0.13	113	0.86	0.06	0.94
	4.25e-03	2.88e-03	0.0	113,112,0	0.03	6.13e-04	6.13e-04	03113,129,129		1.00	0.04	0.96	
852	0.03	0.03	0.0	117,116,0	5.04e-03	6.37e-03	8.92e-03	03117,140,136	0.05	117	0.86	0.06	0.94
	0.02	0.01	0.0	112,113,0	5.04e-03	1.95e-03	1.95e-03	03117,137,137		1.00	0.04	0.96	
853	0.03	0.03	0.0	117,116,0	0.03	6.37e-03	8.92e-03	03113,140,136	0.13	113	0.86	0.06	0.94
	0.02	0.01	0.0	112,113,0	0.03	1.95e-03	1.95e-03	03113,137,137		1.00	0.04	0.96	
854	0.01	9.00e-03	0.0	117,116,0	5.04e-03	6.37e-03	8.09e-03	03117,140,140	0.05	117	0.86	0.06	0.94
	0.02	0.01	0.0	112,113,0	5.04e-03	1.95e-03	1.95e-03	03117,137,137		1.00	0.04	0.96	
855	0.01	9.00e-03	0.0	117,116,0	0.03	6.37e-03	8.09e-03	03113,140,140	0.12	113	0.86	0.06	0.94
	0.02	0.01	0.0	112,113,0	0.03	1.95e-03	1.95e-03	03113,137,137		1.00	0.04	0.96	
856	0.05	0.04	0.0	113,112,0	0.04	0.01	0.02	113,133,121	0.15	113	0.86	0.06	0.94
	0.06	0.04	0.0	138,135,0	0.04	0.02	0.02	113,135,135		1.00	0.04	0.96	
857	0.04	0.03	0.0	113,112,0	0.03	2.09e-03	5.25e-03	03113,125,132	0.14	113	0.86	0.06	0.94
	0.01	0.01	0.0	138,138,0	0.03	4.79e-03	4.79e-03	03113,135,135		1.00	0.04	0.96	
858	0.03	0.03	0.0	113,112,0	0.03	8.56e-04	4.68e-03	03113,132,128	0.14	113	0.86	0.06	0.94
	2.94e-03	1.93e-03	0.0	134,134,0	0.03	3.99e-03	3.99e-03	03113,134,134		1.00	0.04	0.96	
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.11	0.10	0.0		0.04	0.02	0.02		0.15				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
24	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.48	kN	19	0.34	kN	27	0.42	2289.8	-8.671e+04	114

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
350	0.04	0.05	0.0	114,111,0	0.04	9.75e-04	5.08e-03	03115,133,116	0.15	115	0.86	0.06	0.94
	0.01	8.11e-03	0.0	119,122,0	0.04	1.81e-03	1.81e-03	03115,125,125		1.00	0.04	0.96	
394	0.04	0.05	0.0	114,111,0	0.04	4.69e-03	7.85e-03	03115,140,135	0.15	115	0.86	0.06	0.94
	0.02	0.02	0.0	116,117,0	0.04	1.81e-03	1.81e-03	03115,125,125		1.00	0.04	0.96	
395	0.03	0.04	0.0	114,111,0	0.03	2.82e-03	7.30e-03	03115,141,139	0.13	115	0.86	0.06	0.94
	4.68e-03	3.49e-03	0.0	118,115,0	0.03	1.32e-03	1.32e-03	03115,138,138		1.00	0.04	0.96	
396	0.02	0.03	0.0	118,115,0	0.02	1.23e-03	5.98e-03	03115,122,137	0.12	115	0.86	0.06	0.94
	1.64e-03	1.28e-03	0.0	119,122,0	0.02	1.27e-03	1.27e-03	03115,139,139		1.00	0.04	0.96	

397	0.01	0.02	0.0	118,115,0	0.02	3.04e-03	6.25e-03	115,134,139	0.11	115	0.86	0.06	0.94
	1.58e-03	1.20e-03	0.0	118,115,0	0.02	1.27e-03	1.27e-03	115,139,139			1.00	0.04	0.96
398	9.81e-03	0.01	0.0	118,115,0	0.02	4.90e-03	6.25e-03	115,139,139	0.10	115	0.86	0.06	0.94
	3.83e-03	2.18e-03	0.0	115,118,0	0.02	1.87e-03	1.87e-03	115,131,131			1.00	0.04	0.96
399	4.54e-03	4.66e-03	0.0	118,115,0	0.02	4.90e-03	6.08e-03	115,139,139	0.10	115	0.86	0.06	0.94
	3.83e-03	2.18e-03	0.0	115,118,0	0.02	1.87e-03	1.87e-03	115,131,131			1.00	0.04	0.96
400	0.01	0.03	0.0	142,139,0	5.90e-04	4.69e-03	7.85e-03	137,140,135	0.02	137	0.86	0.06	0.94
	0.02	0.02	0.0	116,117,0	5.85e-04	1.76e-03	1.76e-03	137,130,130			1.00	0.04	0.96
401	0.01	0.03	0.0	142,139,0	5.90e-04	2.82e-03	7.30e-03	137,141,139	0.02	137	0.86	0.06	0.94
	4.68e-03	3.49e-03	0.0	118,115,0	5.85e-04	4.09e-04	4.09e-04	137,117,117			1.00	0.04	0.96
402	0.01	0.02	0.0	142,139,0	5.79e-04	1.19e-03	5.98e-03	137,141,137	0.02	137	0.86	0.06	0.94
	1.64e-03	1.28e-03	0.0	119,122,0	5.75e-04	4.17e-04	4.17e-04	137,134,134			1.00	0.04	0.96
403	0.01	0.02	0.0	136,137,0	5.43e-04	3.04e-03	6.25e-03	137,134,139	0.02	137	0.86	0.06	0.94
	1.46e-03	9.35e-04	0.0	113,135,0	5.40e-04	5.74e-04	5.74e-04	137,122,122			1.00	0.04	0.96
404	9.23e-03	0.01	0.0	136,137,0	2.60e-03	4.90e-03	6.25e-03	117,139,139	0.04	117	0.86	0.06	0.94
	3.83e-03	2.18e-03	0.0	115,118,0	2.60e-03	1.38e-03	1.38e-03	117,119,119			1.00	0.04	0.96
405	3.51e-03	4.24e-03	0.0	136,137,0	2.60e-03	4.90e-03	6.08e-03	117,139,139	0.04	117	0.86	0.06	0.94
	3.83e-03	2.18e-03	0.0	115,118,0	2.60e-03	1.38e-03	1.38e-03	117,119,119			1.00	0.04	0.96
603	0.04	0.05	0.0	114,111,0	0.04	4.69e-03	7.85e-03	115,140,135	0.15	115	0.86	0.06	0.94
	0.02	0.02	0.0	116,117,0	0.04	1.81e-03	1.81e-03	115,125,125			1.00	0.04	0.96
609	0.01	0.03	0.0	142,139,0	5.77e-04	4.69e-03	7.85e-03	137,140,135	0.02	137	0.86	0.06	0.94
	0.02	0.02	0.0	116,117,0	5.70e-04	1.76e-03	1.76e-03	137,130,130			1.00	0.04	0.96
647	0.04	0.05	0.0	114,111,0	0.04	1.52e-03	5.08e-03	115,122,116	0.15	115	0.86	0.06	0.94
	0.01	8.11e-03	0.0	119,122,0	0.04	1.81e-03	1.81e-03	115,125,125			1.00	0.04	0.96
648	0.03	0.04	0.0	114,111,0	0.03	1.52e-03	4.88e-03	115,122,111	0.13	115	0.86	0.06	0.94
	3.99e-03	2.82e-03	0.0	114,111,0	0.03	1.32e-03	1.32e-03	115,138,138			1.00	0.04	0.96
649	0.02	0.03	0.0	118,115,0	0.02	1.23e-03	3.85e-03	115,122,124	0.12	115	0.86	0.06	0.94
	1.58e-03	1.20e-03	0.0	118,115,0	0.02	1.27e-03	1.27e-03	115,139,139			1.00	0.04	0.96
650	0.01	0.02	0.0	118,115,0	0.02	1.56e-03	3.26e-03	115,125,119	0.11	115	0.86	0.06	0.94
	1.58e-03	1.20e-03	0.0	118,115,0	0.02	1.27e-03	1.27e-03	115,139,139			1.00	0.04	0.96
651	9.81e-03	0.01	0.0	118,115,0	0.02	1.80e-03	3.50e-03	115,11,11	0.10	115	0.86	0.06	0.94
	1.50e-03	1.19e-03	0.0	114,11,0	0.02	7.51e-04	7.51e-04	115,139,139			1.00	0.04	0.96
652	4.54e-03	0.01	0.0	118,11,0	0.02	2.35e-03	3.50e-03	115,142,11	0.10	115	0.86	0.06	0.94
	2.81e-03	2.03e-03	0.0	123,126,0	0.02	1.87e-03	1.87e-03	115,131,131			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.04	0.05	0.0	0.04	4.90e-03	7.85e-03	0.15

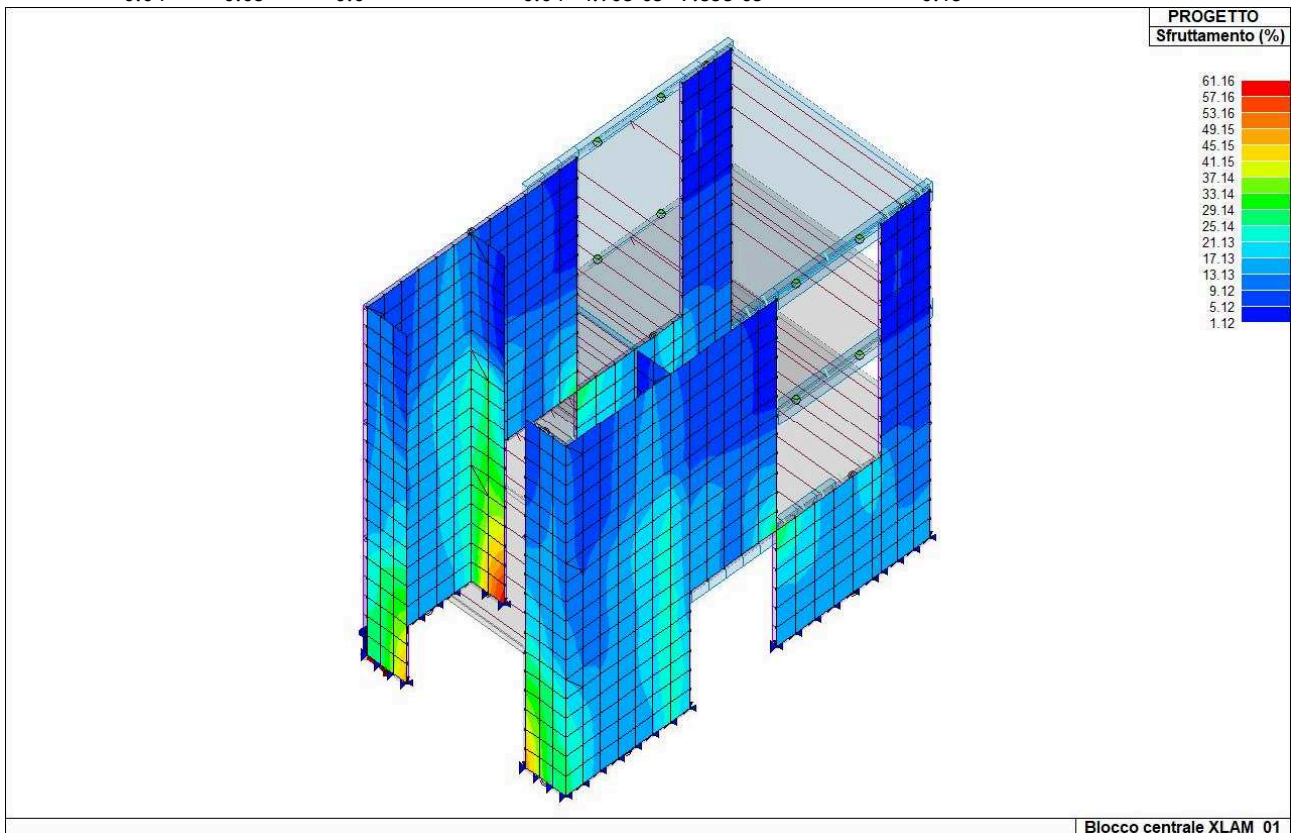


Figura 35: Sfruttamento elementi D3 [%]

