CITTÀ METROPOLITANA DI BOLOGNA

AREA SERVIZI TERRITORIALI METROPOLITANI

SERVIZIO EDILIZIA SCOLASTICA ed ISTITUZIONALE

U.O. Edilizia Scolastica

COMUNE DI BOLOGNA

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO

Via Zacconi, Bologna

PROGETTO ESECUTIVO

IMPORTO DI PROGETTO:	€ 8.500.000,00
PROPRIETÀ:	CITTÀ METROPOLITANA DI BOLOGNA
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oggetto:

U.S. 05 - SCALA ANTINCENDIO
TABULATO DI CALCOLO

tavola n°: ST-R 11

Scala elaborato:

Cod. PBM: 2018EDSCON05

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PROGETTO STRUTTURE

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SOMMARIO:

1 PREMESSA

La presente relazione, relativa all'unità strutturale U.S. 05, come individuata nell'immagine in seguito, 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). 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.

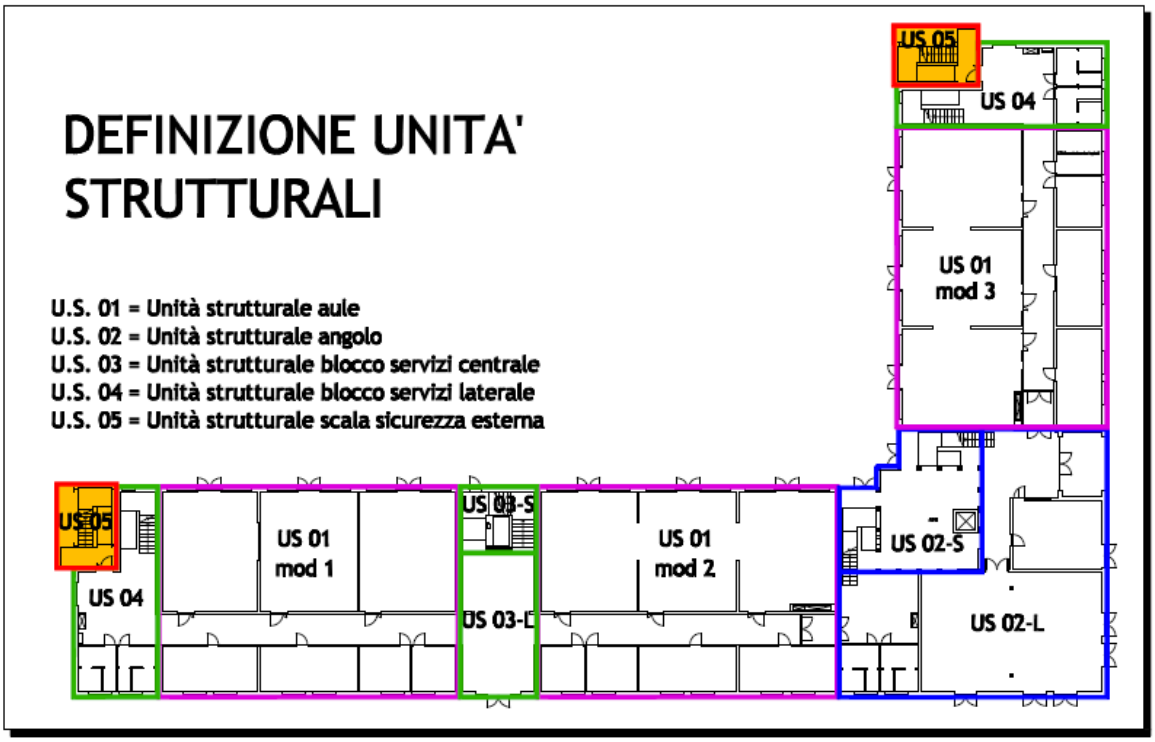


Figura 1: Definizione unità strutturali

2 TABULATO DI CALCOLO STRUTTURALE

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 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 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
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	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. Inviluppo delle sollecitazioni maggiormente significative. L'analisi e la restituzione degli inviluppi (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 inviluppi 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 abnormi. 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 riportata 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 edifico esistente.

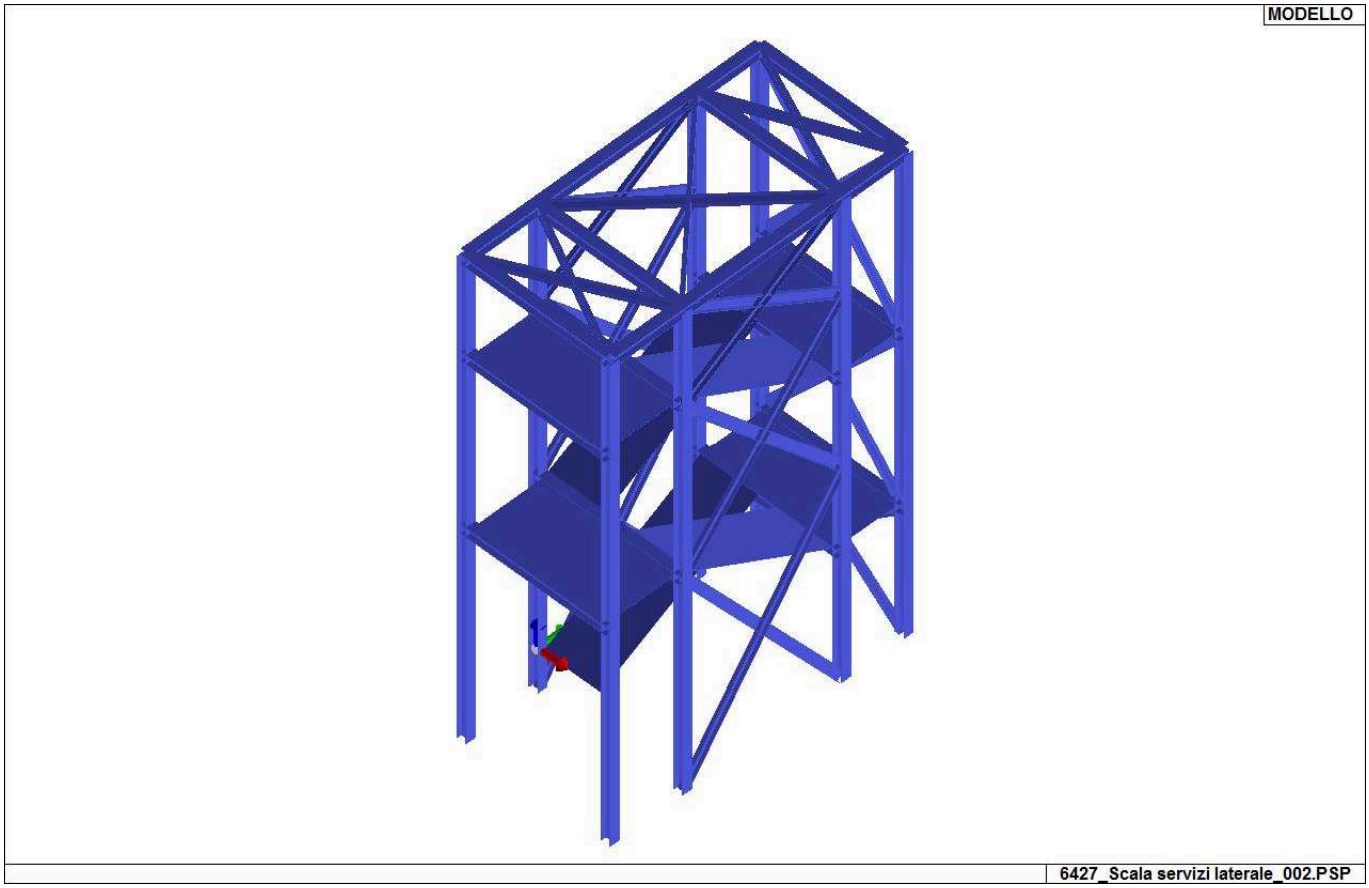


Figura 2: Vista solida

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	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 conteneti il riassunto delle nformazioni 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

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

Pilastri 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:

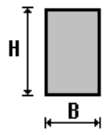
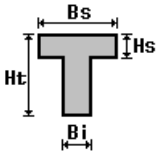
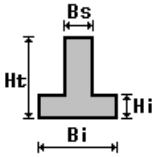
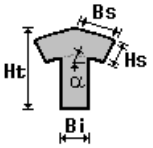
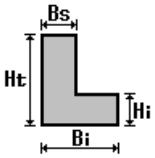
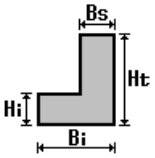
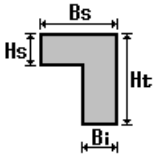
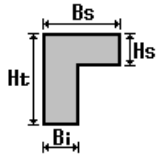
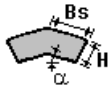
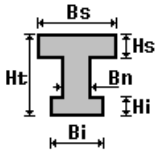
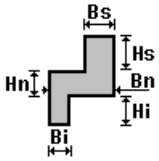
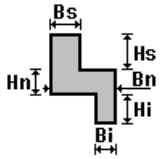
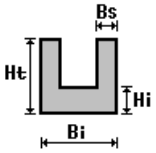
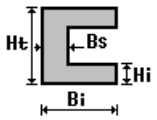
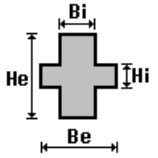
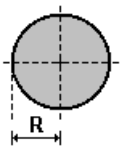
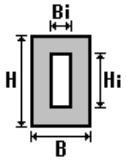
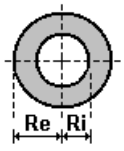
sezione di tipo generico

- 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 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
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	HEB 200	78.10	0.0	0.0	59.30	2003.00	5696.00	200.30	569.60	305.80	642.50
2	Cosciale 15x220-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
3	UPN 200	32.20	0.0	0.0	11.90	148.00	1911.00	26.90	191.00	51.80	228.00

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
7	130.0	330.0	180.0	8	10.0	330.0	180.0	9	10.0	460.0	180.0
11	290.0	330.0	180.0	12	290.0	460.0	180.0	13	0.0	330.0	180.0
14	300.0	330.0	180.0	15	0.0	460.0	180.0	16	300.0	460.0	180.0
17	0.0	0.0	360.0	18	300.0	0.0	360.0	19	130.0	460.0	180.0
20	290.0	0.0	360.0	22	170.0	330.0	180.0	23	170.0	460.0	180.0
24	170.0	0.0	360.0	25	130.0	0.0	360.0	26	10.0	0.0	360.0
29	0.0	-150.0	360.0	30	300.0	-150.0	360.0	31	290.0	-150.0	360.0
32	170.0	-150.0	360.0	33	130.0	-150.0	360.0	34	10.0	-150.0	360.0
35	300.0	460.0	540.0	36	130.0	460.0	540.0	37	170.0	330.0	540.0
38	170.0	460.0	540.0	39	130.0	330.0	540.0	40	10.0	330.0	540.0
41	10.0	460.0	540.0	42	290.0	330.0	540.0	43	290.0	460.0	540.0
44	0.0	330.0	540.0	45	300.0	330.0	540.0	46	0.0	460.0	540.0
47	0.0	0.0	720.0	48	300.0	0.0	720.0	49	290.0	0.0	720.0
50	170.0	0.0	720.0	51	130.0	0.0	720.0	52	10.0	0.0	720.0
53	0.0	-150.0	720.0	54	300.0	-150.0	720.0	55	290.0	-150.0	720.0

56	170.0	-150.0	720.0	57	130.0	-150.0	720.0	58	10.0	-150.0	720.0
63	0.0	-150.0	920.0	64	0.0	0.0	920.0	65	300.0	0.0	920.0
66	300.0	-150.0	920.0	67	0.0	460.0	920.0	68	300.0	460.0	920.0
69	300.0	330.0	920.0	70	0.0	330.0	920.0	71	300.0	330.0	720.0
72	300.0	0.0	0.0	73	300.0	330.0	360.0	74	300.0	330.0	0.0
75	0.0	330.0	720.0	76	0.0	0.0	0.0	77	0.0	330.0	360.0
78	0.0	330.0	0.0	79	300.0	460.0	720.0	80	300.0	460.0	360.0
81	300.0	460.0	0.0	82	0.0	460.0	720.0	83	0.0	460.0	360.0
84	0.0	460.0	0.0	85	300.0	-150.0	0.0	86	0.0	-150.0	0.0

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
1	0.0	0.0	-80.0	v=111111						
2	300.0	0.0	-80.0	v=111111						
3	0.0	330.0	-80.0	v=111111						
4	300.0	330.0	-80.0	v=111111						
5	0.0	460.0	-80.0	v=111111						
6	300.0	460.0	-80.0	v=111111						
10	130.0	0.0	0.0	v=111000						
21	10.0	0.0	0.0	v=111000						
27	0.0	-150.0	-80.0	v=111111						
28	300.0	-150.0	-80.0	v=111111						

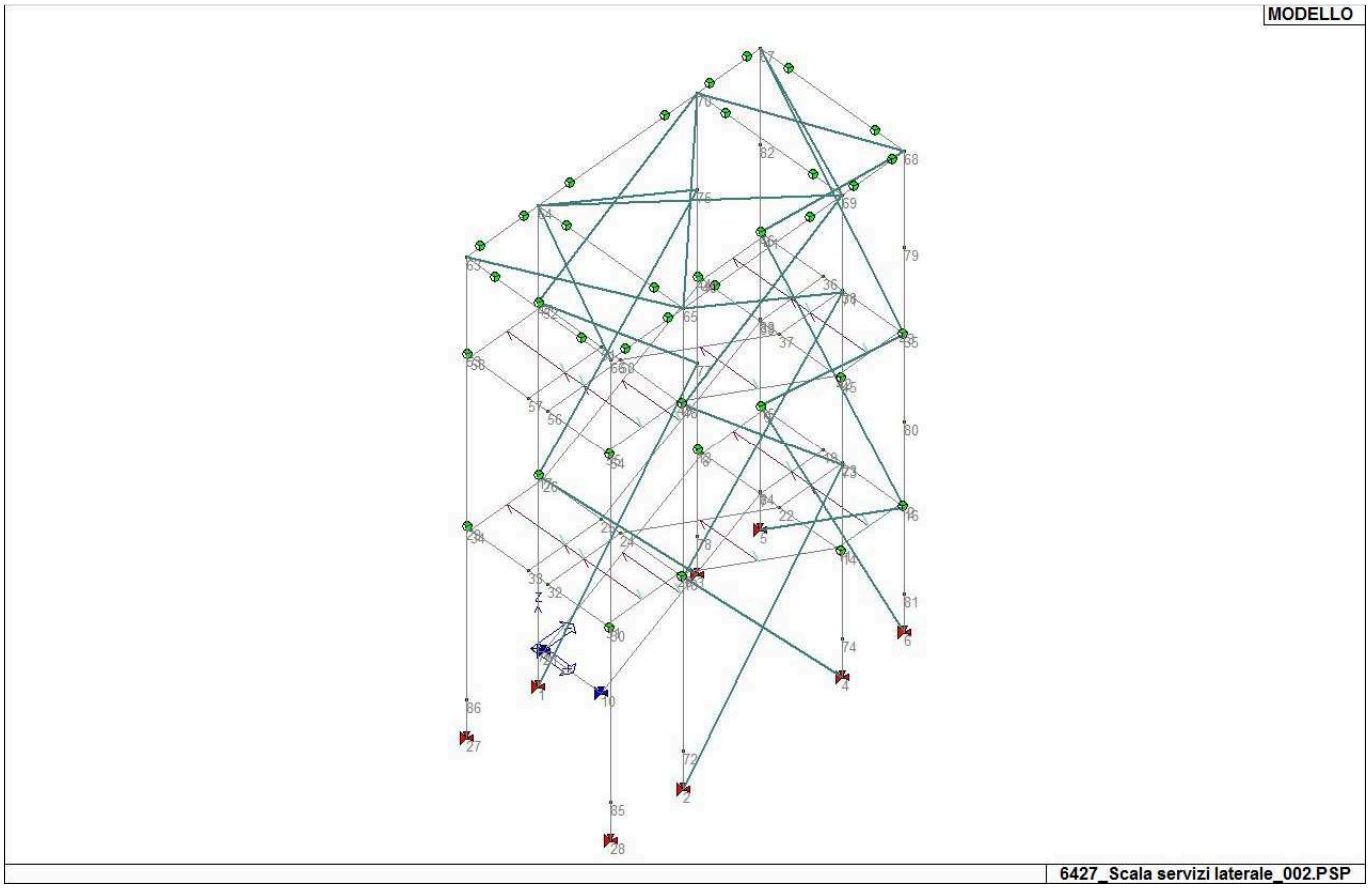


Figura 3: Numerazione nodi

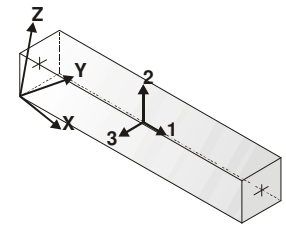
7 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

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.



orientamento elementi 2D non verticali

orientamento elementi 2D verticali

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-¤ SU PILASTRATA
74	VALUTAZIONE EFFETTO P-¤ 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	48	73	12	3					
2	Asta	18	71	12	3					
3	Asta	65	71	12	3					
4	Asta	48	69	12	3					
5	Asta	18	4	12	3					
6	Asta	2	73	12	3					
7	Asta	47	77	12	3					
8	Asta	17	75	12	3					
9	Asta	64	75	12	3					
10	Asta	47	70	12	3					
11	Asta	17	3	12	3					
12	Asta	1	77	12	3					
13	Asta	70	65	12	3					
14	Asta	64	69	12	3					
15	Asta	67	69	12	3					
16	Asta	70	68	12	3					
17	Asta	64	66	12	3					
18	Asta	63	65	12	3					
19	Asta	46	68	12	3					
20	Asta	67	35	12	3					
21	Asta	15	35	12	3					
22	Asta	46	16	12	3					
23	Asta	5	16	12	3					
24	Asta	15	6	12	3					
25	Trave	29	34	12	1		000011			
26	Trave	34	33	12	1					
27	Trave	33	32	12	1					
28	Trave	32	31	12	1					
33	Pilas.	28	85	12	1					
34	Trave	31	30	12	1			000011		
35	Trave	24	20	12	1					
36	Pilas.	27	86	12	1					
37	Trave	26	25	12	1					
38	Trave	25	24	12	1					
39	Pilas.	2	72	12	1					
40	Trave	17	26	12	1		000011			
47	Trave	46	41	12	1		000011			
48	Trave	41	36	12	1					

49	Trave	36	38	12	1		
50	Trave	38	43	12	1		
51	Trave	43	35	12	1		000011
52	Trave	44	40	12	1	000011	
53	Trave	40	39	12	1		
54	Trave	39	37	12	1		
55	Trave	37	42	12	1		
56	Trave	42	45	12	1		000011
57	Pilas.	16	80	12	1		
58	Pilas.	14	73	12	1		
59	Pilas.	15	83	12	1		
60	Pilas.	13	77	12	1		
63	Trave	49	48	12	1		000011
64	Trave	47	52	12	1	000011	
65	Trave	52	51	12	1		
66	Trave	51	50	12	1		
67	Trave	50	49	12	1		
68	Trave	55	54	12	1		000011
69	Trave	53	58	12	1	000011	
70	Trave	58	57	12	1		
71	Trave	57	56	12	1		
72	Trave	56	55	12	1		
77	Pilas.	29	53	12	1		
78	Pilas.	17	47	12	1		
79	Pilas.	18	48	12	1		
80	Pilas.	30	54	12	1		
87	Pilas.	53	63	12	1		
88	Pilas.	47	64	12	1		
89	Pilas.	48	65	12	1		
90	Pilas.	54	66	12	1		
91	Pilas.	46	82	12	1		
92	Pilas.	35	79	12	1		
93	Pilas.	45	71	12	1		
94	Pilas.	44	75	12	1		
95	Trave	63	64	12	1	000011	000011
96	Trave	64	70	12	1	000011	000011
97	Trave	70	67	12	1	000011	000011
98	Trave	67	68	12	1	000011	000011
99	Trave	69	68	12	1	000011	000011
100	Trave	65	69	12	1	000011	000011
101	Trave	66	65	12	1	000011	000011
102	Trave	70	69	12	1	000011	000011
103	Trave	64	65	12	1	000011	000011
104	Trave	63	66	12	1	000011	000011
113	Trave	15	9	12	1	000011	
114	Trave	9	19	12	1		
115	Trave	19	23	12	1		
116	Trave	23	12	12	1		
117	Trave	12	16	12	1		000011
118	Trave	13	8	12	1	000011	
119	Trave	8	7	12	1		
120	Trave	7	22	12	1		
121	Pilas.	3	78	12	1		
122	Pilas.	1	76	12	1		
123	Pilas.	4	74	12	1		
124	Pilas.	78	13	12	1		
125	Pilas.	73	45	12	1		
126	Pilas.	77	44	12	1		
127	Pilas.	71	69	12	1		
128	Pilas.	75	70	12	1		
129	Trave	22	11	12	1		
130	Trave	11	14	12	1		000011
131	Pilas.	76	17	12	1		
132	Pilas.	74	14	12	1		
133	Pilas.	5	84	12	1		
134	Trave	20	18	12	1		000011
135	Pilas.	6	81	12	1		
136	Pilas.	72	18	12	1		
137	Pilas.	84	15	12	1		
138	Pilas.	81	16	12	1		
139	Pilas.	86	29	12	1		
140	Pilas.	85	30	12	1		
141	Pilas.	80	35	12	1		
142	Pilas.	83	46	12	1		
143	Pilas.	82	67	12	1		

144	Pilas.	79	68	12	1

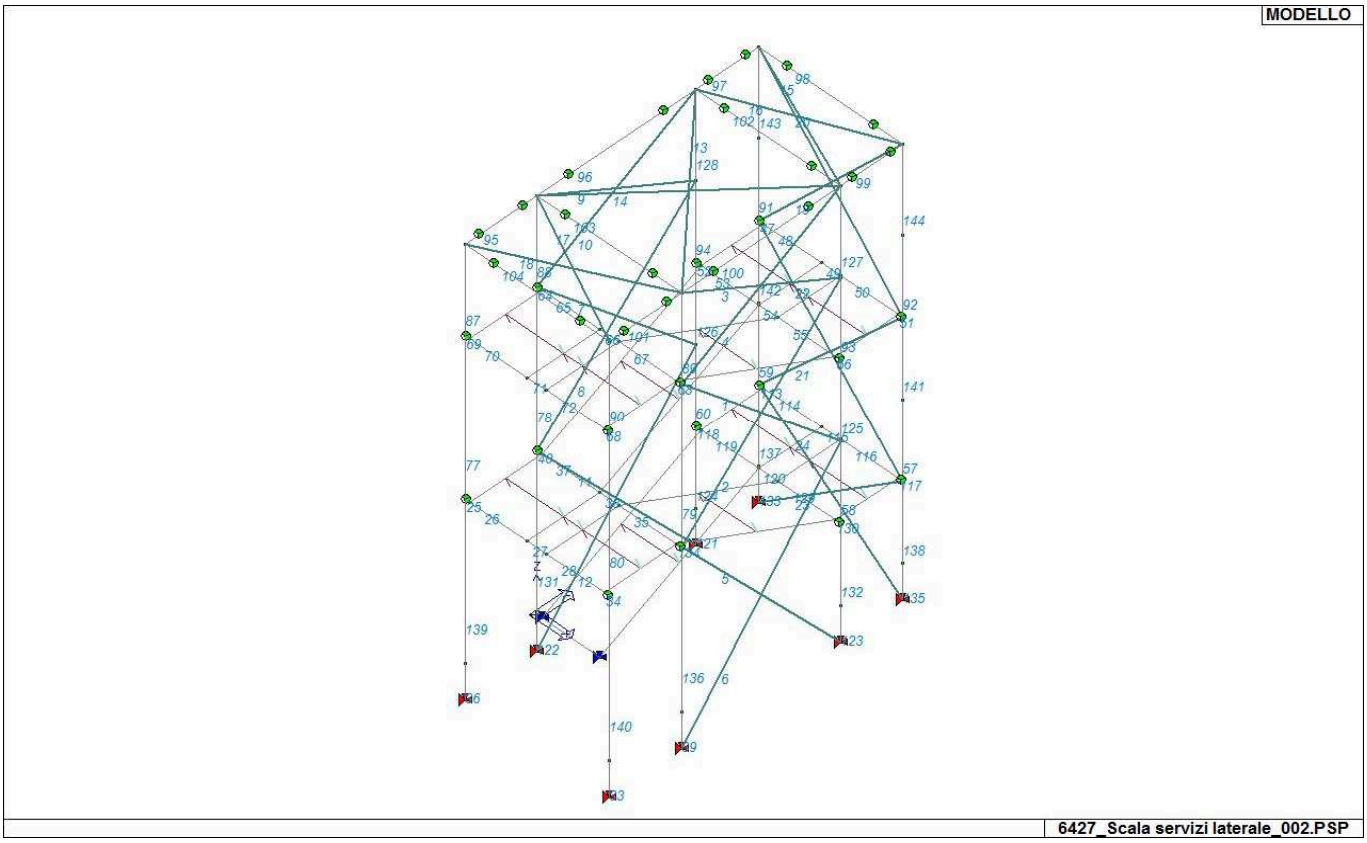


Figura 4: Numerazione elementi D2

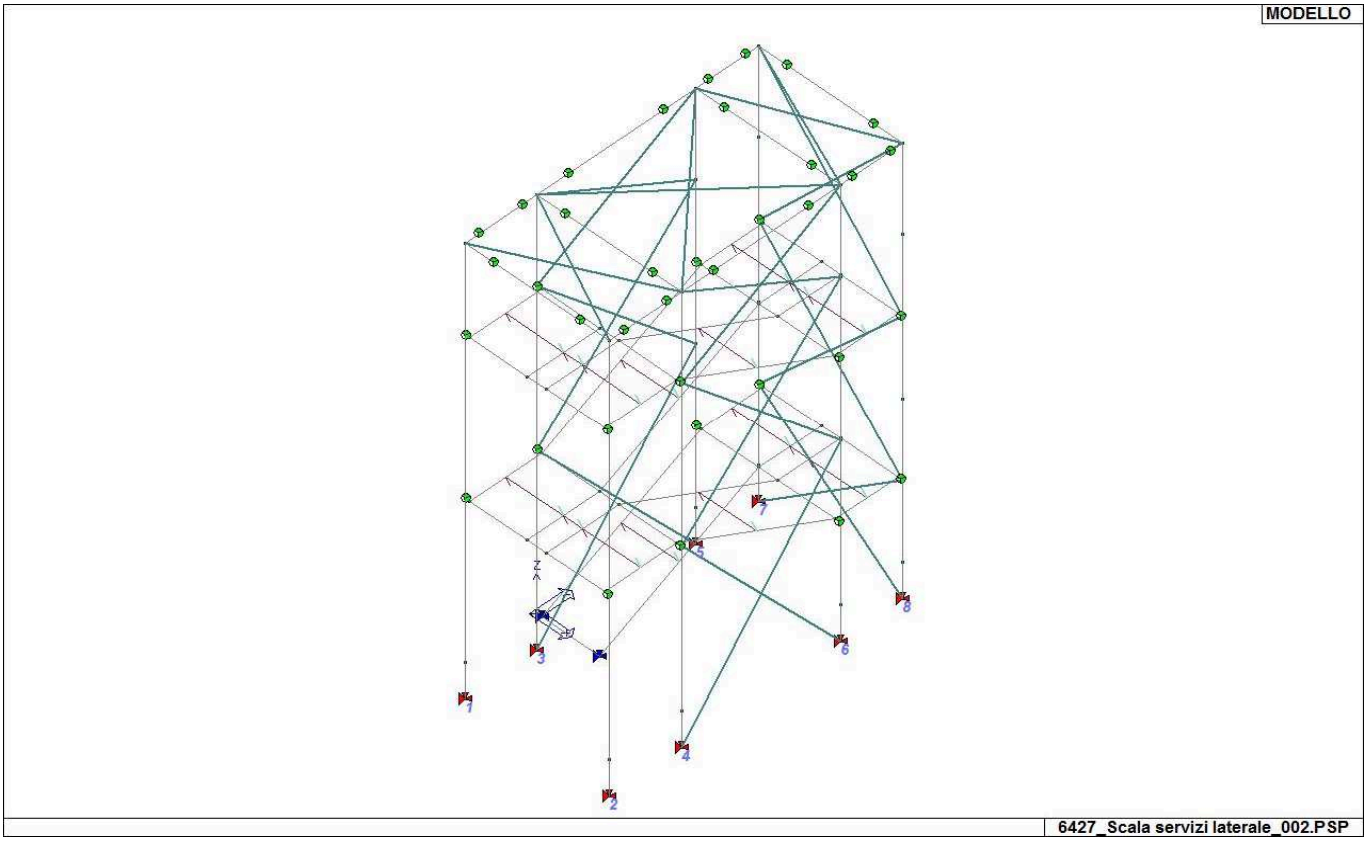


Figura 5: Numerazione elementi D2_PILASTRATE

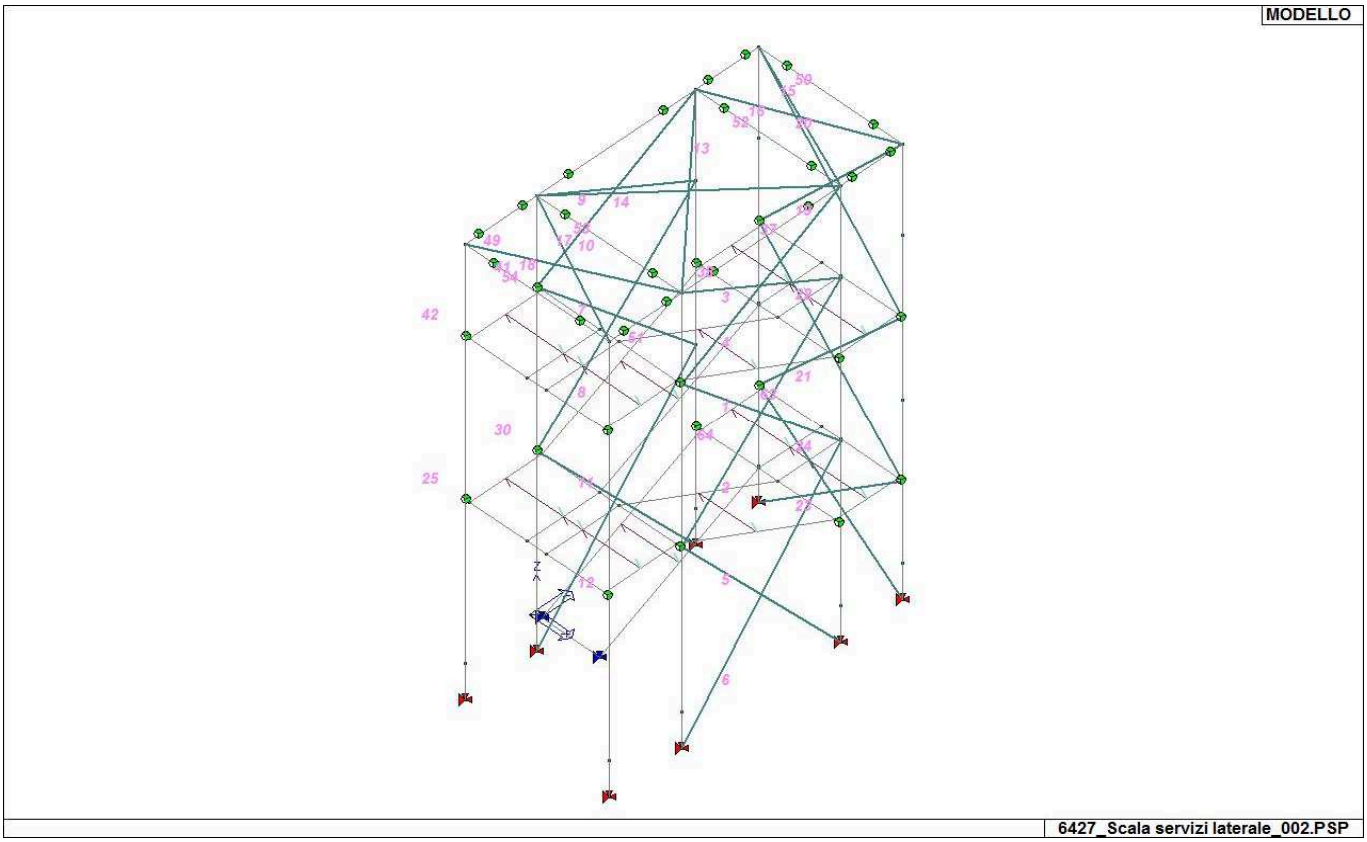


Figura 6: Numerazione elementi D2_TRAVATE

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 ***Variab.*** Carico variabile generico ***Var. rid.*** Carico variabile generico con riduzione in funzione dell' area (c.5.5. …) ***Neve*** 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: ***per valore raro***
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore frequente***
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore quasi permanente***
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: ***per la definizione delle masse sismiche***
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 ***S*** elemento utilizzato solo per scarico ***C*** elemento utilizzato per scarico e per modellazione piano rigido ***P*** elemento utilizzato come pannello ***M*** scarico monodirezionale ***B*** 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 instantanee 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 mezzeria
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 mezzeria
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	G2k	Qk	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
		kN/ m2	kN/ m2	kN/ m2							
1	Variab.	1.00		4.00		1.00	0.70	0.50	0.30	0.30	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k	G2k	Qk	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
						kN/ m2	kN/ m2	kN/ m2					
1	SM	1	m=12	1.0	0.0	1.00		4.00	11	22	24	20	
2	SM	1	m=12	1.0	0.0	1.00		4.00	19	9	8	7	
3	SM	1	m=12	1.0	0.0	1.00		4.00	23	19	7	22	
4	SM	1	m=12	1.0	0.0	1.00		4.00	11	12	23	22	
5	SM	1	m=12	1.0	0.0	1.00		4.00	21	10	7	8	
6	SM	1	m=12	1.0	0.0	1.00		4.00	42	37	50	49	
7	SM	1	m=12	1.0	0.0	1.00		4.00	36	41	40	39	
8	SM	1	m=12	1.0	0.0	1.00		4.00	38	36	39	37	
9	SM	1	m=12	1.0	0.0	1.00		4.00	42	43	38	37	
10	SM	1	m=12	1.0	0.0	1.00		4.00	26	25	39	40	
11	SM	1	m=12	1.0	0.0	1.00		4.00	33	25	26	34	
12	SM	1	m=12	1.0	0.0	1.00		4.00	32	24	25	33	
13	SM	1	m=12	1.0	0.0	1.00		4.00	31	20	24	32	
14	SM	1	m=12	1.0	0.0	1.00		4.00	57	51	52	58	
15	SM	1	m=12	1.0	0.0	1.00		4.00	56	50	51	57	
16	SM	1	m=12	1.0	0.0	1.00		4.00	55	49	50	56	

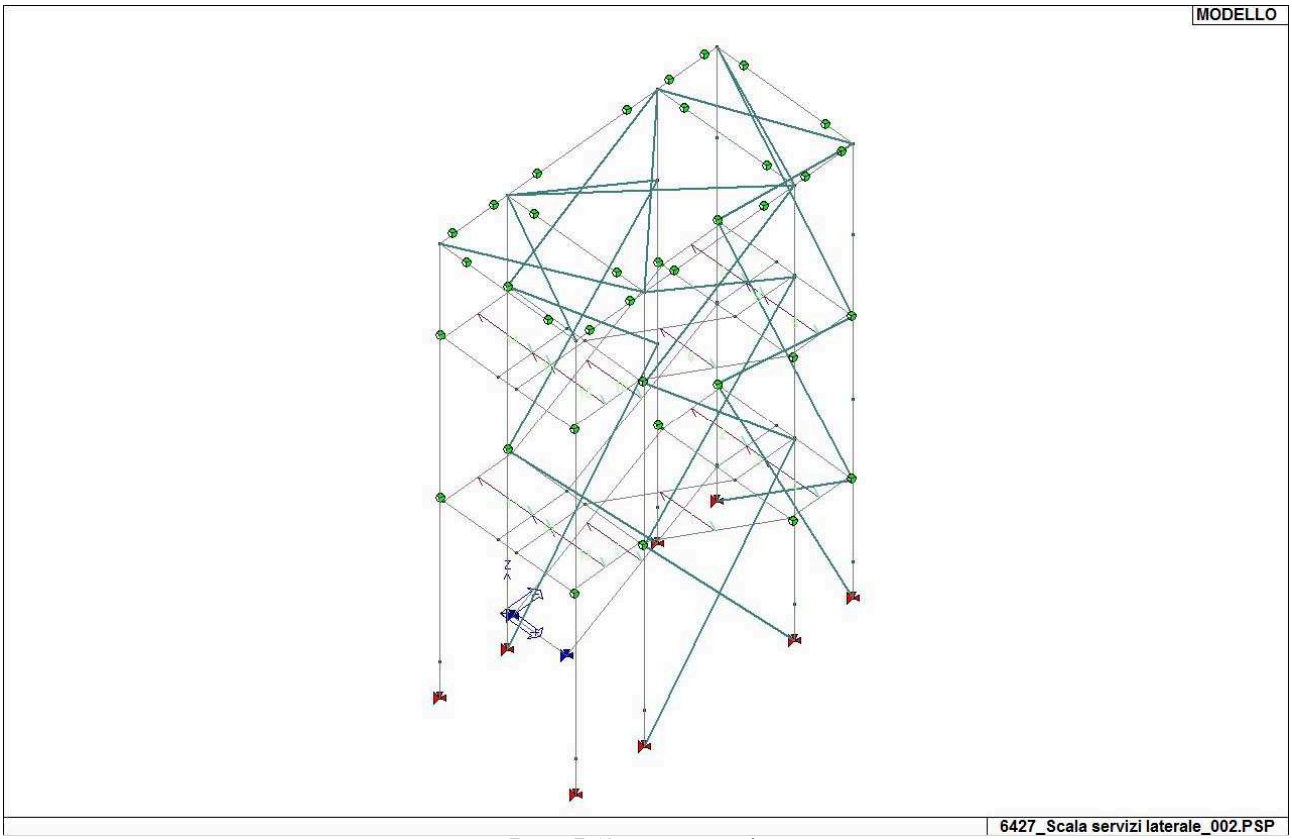


Figura 7: Numerazione solai

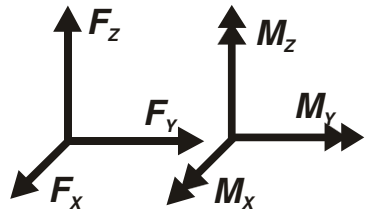
9 MODELLAZIONE DELLE AZIONI

9.1 LEGENDA TABELLA DATI AZIONI

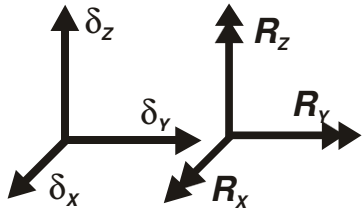
Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene 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 Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, 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)

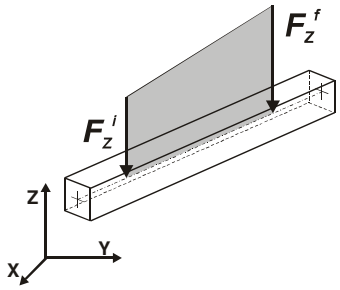
11	**carico variabile generale su elementi tipo trave e piastra** 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo 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



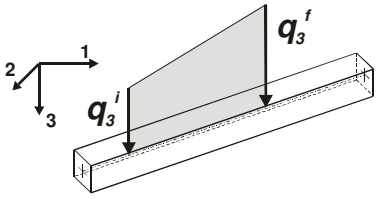
Carico concentrato nodale



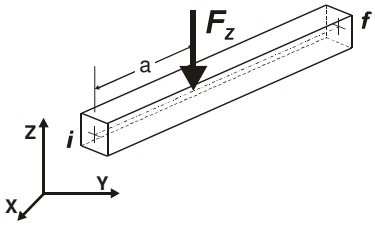
Spostamento impresso



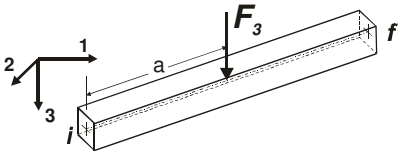
Carico distribuito globale



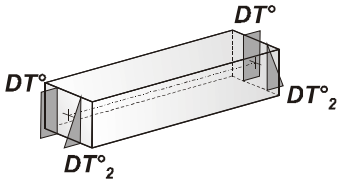
Carico distribuito locale



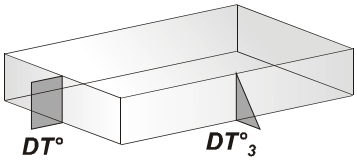
Carico concentrato globale



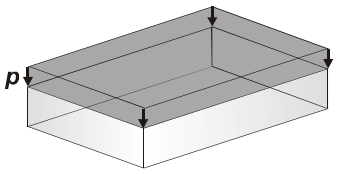
Carico concentrato locale



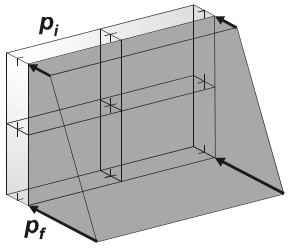
Carico termico 2D



Carico termico 3D



Carico pressione uniforme



Carico pressione variabile

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	DG:Fyi=-0.85 Fyf=-0.85	0.0	0.0	-0.85	0.0	0.0	0.0	0.0
		0.0	0.0	-0.85	0.0	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)
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

CDC	Tipo	Sigla Id	Note
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	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. +)	come precedente CDC sismico
13	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	come precedente CDC sismico
14	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	come precedente CDC sismico
15	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	come precedente CDC sismico
16	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (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=90.00 (ecc. +)	come precedente CDC sismico
19	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	come precedente CDC sismico
20	Qvk	CDC=Qvk (carico da vento)	D2 : 57 Azione : DG:Fyi=-0.85 Fyf=-0.85
			D2 : 59 Azione : DG:Fyi=-0.85 Fyf=-0.85
			D2 : 133 Azione : DG:Fyi=-0.85 Fyf=-0.85
			D2 : 135 Azione : DG:Fyi=-0.85 Fyf=-0.85
			D2 :da 137 a 138 Azione : DG:Fyi=-0.85 Fyf=-0.85
			D2 :da 141 a 142 Azione : DG:Fyi=-0.85 Fyf=-0.85

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

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

Combinazione caratteristica (rara) SLE

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

Combinazione frequente SLE

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

Combinazione quasi permanente SLE

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

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

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

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

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

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***ψ0***	***ψ1***	***ψ2***
Categoria A residenziali	*0,70*	*0,50*	*0,30*
Categoria B uffici	*0,70*	*0,50*	*0,30*
Categoria C ambienti suscettibili di affollamento	*0,70*	*0,70*	*0,60*
Categoria D ambienti ad uso commerciale	*0,70*	*0,70*	*0,60*
Categoria E biblioteche, archivi, magazzini,...	*1,00*	*0,90*	*0,80*
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	*0,70*	*0,70*	*0,60*

Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*0,70*	*0,50*	*0,30*
Categoria H Coperture	*0,00*	*0,00*	*0,00*
Vento	*0,60*	*0,20*	*0,00*
Neve a quota <= 1000 m	*0,50*	*0,20*	*0,00*
Neve a quota > 1000 m	*0,70*	*0,50*	*0,20*
Variazioni Termiche	*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.I

		Coefficiente γf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli*	$\gamma G1$	*0,9*	*1,0*	*1,0*
	Sfavorevoli		*1,1*	*1,3*	*1,0*
Carichi permanenti non strutturali *(Non compiutamente definiti)*	*Favorevoli*	$\gamma G2$	*0,8*	*0,8*	*0,8*
	Sfavorevoli		*1,5*	*1,5*	*1,3*
Carichi variabili	*Favorevoli*	γQi	*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	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	

Cmb	Tipo	Sigla Id	effetto P-delta
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	
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	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	SLD(sis)	Comb. SLE (SLO Operativo sism.) 111	
112	SLD(sis)	Comb. SLE (SLO Operativo sism.) 112	

Cmb	Tipo	Sigla Id	effetto P-delta
113	SLD(sis)	Comb. SLE (SLO Operativo sism.) 113	
114	SLD(sis)	Comb. SLE (SLO Operativo 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	
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	SLU	Comb. SLU A1 (SLC sism.) 143	
144	SLU	Comb. SLU A1 (SLC sism.) 144	
145	SLU	Comb. SLU A1 (SLC sism.) 145	
146	SLU	Comb. SLU A1 (SLC sism.) 146	

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	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.90								
2	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
	0.0	0.0	0.0	0.0	0.0	0.90								
3	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	0.90								
4	1.00	1.00	1.50	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	0.90								
5	1.30	1.30	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	0.0	0.0	0.0	0.0	1.50								
6	1.30	1.30	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	1.50								
7	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	1.50								
8	1.00	1.00	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	1.50								
9	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	0.60								
10	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	0.60								
11	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	1.00								
12	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	1.00								
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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.20								
16	1.00	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	0.0	0.0	0.0	0.20								
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	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								
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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0								
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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	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...
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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	0.0	0.0
	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	-1.00	0.0	-0.30
	0.0	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	-1.00	0.0	0.30
	0.0	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	1.00	0.0	-0.30
	0.0	0.0	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	1.00	0.0	0.30
	0.0	0.0	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	-1.00	0.0	0.0
	-0.30	0.0	0.0	0.0	0.0	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	-1.00	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...
	0.30	0.0	0.0	0.0	0.0	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	1.00	0.0	0.0
	-0.30	0.0	0.0	0.0	0.0	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	1.00	0.0	0.0
	0.30	0.0	0.0	0.0	0.0	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	-0.30
	0.0	0.0	0.0	0.0	0.0	0.0								
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	0.30
	0.0	0.0	0.0	0.0	0.0	0.0								
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	-0.30
	0.0	0.0	0.0	0.0	0.0	0.0								
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	0.30
	0.0	0.0	0.0	0.0	0.0	0.0								
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	0.0
	-0.30	0.0	0.0	0.0	0.0	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	0.0
	0.30	0.0	0.0	0.0	0.0	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	0.0
	-0.30	0.0	0.0	0.0	0.0	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	0.0
	0.30	0.0	0.0	0.0	0.0	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	-0.30	0.0	-1.00
	0.0	0.0	0.0	0.0	0.0	0.0								
100	1.00	1.00	0.30	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	0.0								
101	1.00	1.00	0.30	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	0.0								
102	1.00	1.00	0.30	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	0.0								
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	-0.30	-1.00
	0.0	0.0	0.0	0.0	0.0	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	-0.30	1.00
	0.0	0.0	0.0	0.0	0.0	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	0.30	-1.00
	0.0	0.0	0.0	0.0	0.0	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	0.30	1.00
	0.0	0.0	0.0	0.0	0.0	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	-0.30	0.0	0.0
	-1.00	0.0	0.0	0.0	0.0	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	-0.30	0.0	0.0
	1.00	0.0	0.0	0.0	0.0	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	0.30	0.0	0.0
	-1.00	0.0	0.0	0.0	0.0	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	0.30	0.0	0.0
	1.00	0.0	0.0	0.0	0.0	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	-0.30	0.0
	-1.00	0.0	0.0	0.0	0.0	0.0								
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	-0.30	0.0
	1.00	0.0	0.0	0.0	0.0	0.0								
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	0.30	0.0
	-1.00	0.0	0.0	0.0	0.0	0.0								
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	0.30	0.0
	1.00	0.0	0.0	0.0	0.0	0.0								
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	0.0	0.0
	0.0	-1.00	0.0	-0.30	0.0	0.0								
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	0.0	0.0
	0.0	-1.00	0.0	0.30	0.0	0.0								
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	0.0	0.0
	0.0	1.00	0.0	-0.30	0.0	0.0								
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	0.0	0.0
	0.0	1.00	0.0	0.30	0.0	0.0								
119	1.00	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	-1.00	0.0	0.0	-0.30	0.0								
120	1.00	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	-1.00	0.0	0.0	0.30	0.0								
121	1.00	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	1.00	0.0	0.0	-0.30	0.0								
122	1.00	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	1.00	0.0	0.0	0.30	0.0								
123	1.00	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	-1.00	-0.30	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...
124	1.00	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	-1.00	0.30	0.0	0.0								
125	1.00	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	1.00	-0.30	0.0	0.0								
126	1.00	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	1.00	0.30	0.0	0.0								
127	1.00	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	-1.00	0.0	-0.30	0.0								
128	1.00	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	-1.00	0.0	0.30	0.0								
129	1.00	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	1.00	0.0	-0.30	0.0								
130	1.00	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	1.00	0.0	0.30	0.0								
131	1.00	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	-0.30	0.0	-1.00	0.0	0.0								
132	1.00	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	-0.30	0.0	1.00	0.0	0.0								
133	1.00	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	0.30	0.0	-1.00	0.0	0.0								
134	1.00	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	0.30	0.0	1.00	0.0	0.0								
135	1.00	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	-0.30	-1.00	0.0	0.0								
136	1.00	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	-0.30	1.00	0.0	0.0								
137	1.00	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	0.30	-1.00	0.0	0.0								
138	1.00	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	0.30	1.00	0.0	0.0								
139	1.00	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	-0.30	0.0	0.0	-1.00	0.0								
140	1.00	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	-0.30	0.0	0.0	1.00	0.0								
141	1.00	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	0.30	0.0	0.0	-1.00	0.0								
142	1.00	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	0.30	0.0	0.0	1.00	0.0								
143	1.00	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	-0.30	0.0	-1.00	0.0								
144	1.00	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	-0.30	0.0	1.00	0.0								
145	1.00	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	0.30	0.0	-1.00	0.0								
146	1.00	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	0.30	0.0	1.00	0.0								

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 Vr 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 Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr 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 Vn [anni]	Coeff. Uso	Periodo Vr [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 = Ss*St (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	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. Edkcaso 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):

analisi sismica statica equivalente:

quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2

azione sismica complessiva

analisi sismica dinamica con spettro di risposta:

quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (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 etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/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 etaT, etaP e etaD degli elementi strutturali

verticali. Per semplicità di consultazione il livello è espresso in unità 1000*etaT/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 A2, 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 Ar (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' elestomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

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

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-□
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: 0.305 sec.

CDC	Tipo	Sigla Id	Note
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.0	-0.30	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.0	-0.30	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.0	-0.07	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.0	-0.30	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.0	-0.07	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.680	1.471	0.137	2.52e-04	1.36e-04	6.32	3.4	0.0	0.0	0.0	0.0
2	1.869	0.535	0.415	8.34e-04	4.52e-04	0.24	0.1	1.62e-06	0.0	0.0	0.0
3	3.278	0.305	0.547	123.95	67.2	6.32e-03	3.43e-03	4.86e-03	2.63e-03	0.0	0.0
4	4.579	0.218	0.368	18.59	10.1	2.63e-05	1.42e-05	4.67e-04	2.53e-04	0.0	0.0
5	4.854	0.206	0.362	2.86	1.6	2.21e-03	1.20e-03	2.53e-03	1.37e-03	0.0	0.0
6	7.023	0.142	0.300	4.41	2.4	0.03	1.73e-02	0.04	2.08e-02	0.0	0.0
7	10.647	0.094	0.265	6.88e-03	3.73e-03	142.45	77.2	1.55e-03	8.41e-04	0.0	0.0
8	13.478	0.074	0.223	0.26	0.1	0.02	8.94e-03	3.15e-04	1.71e-04	0.0	0.0
9	14.055	0.071	0.217	0.12	6.60e-02	6.60e-03	3.58e-03	8.04e-04	4.35e-04	0.0	0.0
10	16.144	0.062	0.198	23.97	13.0	0.01	5.93e-03	0.02	9.60e-03	0.0	0.0
11	17.513	0.057	0.191	0.99	0.5	5.80e-03	3.14e-03	8.32e-03	4.51e-03	0.0	0.0
12	20.333	0.049	0.182	4.74e-06	2.57e-06	3.41	1.8	0.52	0.3	0.0	0.0
13	22.568	0.044	0.177	5.63e-05	3.05e-05	5.38	2.9	2.29	1.2	0.0	0.0
14	23.583	0.042	0.175	0.02	8.77e-03	7.73e-03	4.19e-03	38.66	20.9	0.0	0.0
15	26.793	0.037	0.172	6.53e-03	3.54e-03	0.42	0.2	13.57	7.4	0.0	0.0
16	28.969	0.035	0.172	0.29	0.2	0.55	0.3	0.01	7.03e-03	0.0	0.0
17	30.515	0.033	0.172	0.10	5.35e-02	1.66	0.9	0.26	0.1	0.0	0.0
18	35.324	0.028	0.171	3.02e-03	1.64e-03	6.91	3.7	0.86	0.5	0.0	0.0
19	35.882	0.028	0.171	6.95e-04	3.77e-04	1.02e-03	5.52e-04	18.15	9.8	0.0	0.0
20	37.187	0.027	0.171	0.25	0.1	0.21	0.1	1.10	0.6	0.0	0.0
21	41.147	0.024	0.171	2.61e-03	1.41e-03	4.98e-03	2.70e-03	13.83	7.5	0.0	0.0
22	55.215	0.018	0.170	6.19	3.4	0.73	0.4	0.02	1.35e-02	0.0	0.0
23	58.440	0.017	0.170	0.41	0.2	11.14	6.0	0.03	1.74e-02	0.0	0.0
24	68.827	0.015	0.170	6.69e-03	3.62e-03	3.74e-03	2.03e-03	57.33	31.1	0.0	0.0
25	79.498	0.013	0.170	0.03	1.59e-02	4.65	2.5	0.03	1.45e-02	0.0	0.0
26	99.552	0.010	0.170	1.92	1.0	0.03	1.77e-02	2.28	1.2	0.0	0.0
27	104.951	0.010	0.170	0.10	5.30e-02	0.11	5.82e-02	31.63	17.1	0.0	0.0
Risulta				184.48		184.30		180.65			
In percentuale				99.96		99.86		97.88			

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: 0.287 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.0	0.30	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.0	0.30	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.0	0.07	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.0	0.30	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.0	0.07	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.680	1.471	0.137	1.80e-04	9.77e-05	6.32	3.4	0.0	0.0	0.0	0.0
2	1.869	0.535	0.415	5.43e-04	2.94e-04	0.24	0.1	1.58e-06	0.0	0.0	0.0
3	3.481	0.287	0.528	117.64	63.7	6.38e-03	3.46e-03	4.68e-03	2.53e-03	0.0	0.0
4	4.560	0.219	0.369	19.66	10.7	0.0	0.0	3.03e-04	1.64e-04	0.0	0.0
5	5.319	0.188	0.356	0.22	0.1	7.77e-03	4.21e-03	8.12e-03	4.40e-03	0.0	0.0
6	7.915	0.126	0.277	2.36	1.3	0.05	2.64e-02	0.04	2.31e-02	0.0	0.0
7	10.646	0.094	0.265	0.02	1.09e-02	142.37	77.1	1.46e-03	7.93e-04	0.0	0.0
8	13.193	0.076	0.226	10.66	5.8	0.08	4.59e-02	1.30e-03	7.03e-04	0.0	0.0
9	14.137	0.071	0.216	2.79e-04	1.51e-04	5.18e-03	2.81e-03	4.55e-04	2.46e-04	0.0	0.0
10	15.452	0.065	0.203	20.71	11.2	3.08e-03	1.67e-03	5.20e-03	2.82e-03	0.0	0.0
11	20.177	0.050	0.183	0.80	0.4	0.03	1.67e-02	0.03	1.71e-02	0.0	0.0
12	20.334	0.049	0.182	3.89e-03	2.11e-03	3.38	1.8	0.54	0.3	0.0	0.0
13	22.568	0.044	0.177	7.78e-06	4.22e-06	5.38	2.9	2.29	1.2	0.0	0.0
14	23.583	0.042	0.175	7.60e-03	4.12e-03	7.55e-03	4.09e-03	38.64	20.9	0.0	0.0
15	26.793	0.037	0.172	4.91e-03	2.66e-03	0.42	0.2	13.57	7.4	0.0	0.0
16	28.899	0.035	0.172	0.28	0.2	0.51	0.3	8.54e-03	4.63e-03	0.0	0.0
17	30.538	0.033	0.172	0.11	5.70e-02	1.75	0.9	0.26	0.1	0.0	0.0
18	35.391	0.028	0.171	0.02	1.18e-02	6.99	3.8	1.48	0.8	0.0	0.0
19	35.897	0.028	0.171	9.80e-04	5.31e-04	0.06	3.16e-02	17.92	9.7	0.0	0.0
20	40.174	0.025	0.171	1.71	0.9	0.01	7.26e-03	3.47	1.9	0.0	0.0
21	41.239	0.024	0.171	0.39	0.2	1.91e-03	1.03e-03	11.01	6.0	0.0	0.0
22	45.438	0.022	0.170	6.70	3.6	0.06	3.22e-02	1.45e-04	7.86e-05	0.0	0.0
23	58.410	0.017	0.170	0.01	6.39e-03	11.98	6.5	0.02	8.30e-03	0.0	0.0
24	68.693	0.015	0.170	1.13e-03	6.11e-04	3.98e-03	2.16e-03	57.00	30.9	0.0	0.0
25	80.117	0.012	0.170	0.02	8.30e-03	4.50	2.4	0.03	1.84e-02	0.0	0.0
26	87.608	0.011	0.170	3.19	1.7	8.94e-03	4.85e-03	0.06	3.14e-02	0.0	0.0
27	104.230	0.010	0.170	9.66e-04	5.23e-04	0.13	6.81e-02	34.23	18.5	0.0	0.0
Risulta				184.52		184.31		180.61			
In percentuale				99.98		99.86		97.86			

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: 0.095 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.15	0.0	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.21	0.0	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.15	0.0	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.21	0.0	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.15	0.0	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.798	1.253	0.157	3.06e-04	1.66e-04	4.58	2.5	0.0	0.0	0.0	0.0
2	2.200	0.455	0.369	1.37e-03	7.40e-04	0.18	9.56e-02	2.36e-06	1.28e-06	0.0	0.0
3	3.380	0.296	0.539	120.81	65.5	0.13	6.79e-02	4.86e-03	2.63e-03	0.0	0.0
4	4.571	0.219	0.369	19.55	10.6	1.43e-05	7.74e-06	3.63e-04	1.97e-04	0.0	0.0
5	5.057	0.198	0.359	1.06	0.6	0.09	5.12e-02	4.77e-03	2.59e-03	0.0	0.0
6	7.411	0.135	0.289	3.42	1.9	0.68	0.4	0.04	2.22e-02	0.0	0.0
7	10.546	0.095	0.267	0.20	0.1	143.17	77.6	2.24e-04	1.21e-04	0.0	0.0
8	13.599	0.074	0.222	2.61	1.4	0.82	0.4	7.09e-04	3.84e-04	0.0	0.0
9	13.964	0.072	0.218	0.33	0.2	0.01	6.73e-03	8.32e-04	4.51e-04	0.0	0.0
10	15.622	0.064	0.202	24.74	13.4	0.13	7.17e-02	7.38e-03	4.00e-03	0.0	0.0
11	18.678	0.054	0.187	0.88	0.5	0.05	2.53e-02	8.17e-03	4.43e-03	0.0	0.0
12	20.214	0.049	0.183	5.13e-03	2.78e-03	3.85	2.1	0.57	0.3	0.0	0.0
13	22.396	0.045	0.178	0.01	8.08e-03	5.93	3.2	1.48	0.8	0.0	0.0
14	23.595	0.042	0.175	3.63e-03	1.97e-03	3.86e-05	2.09e-05	39.55	21.4	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	26.785	0.037	0.172	3.35e-04	1.82e-04	0.07	3.52e-02	13.53	7.3	0.0	0.0
16	27.546	0.036	0.172	0.04	2.37e-02	2.13	1.2	0.20	0.1	0.0	0.0
17	29.924	0.033	0.172	0.37	0.2	0.06	2.99e-02	0.08	4.46e-02	0.0	0.0
18	34.611	0.029	0.171	0.02	1.33e-02	6.07	3.3	1.49	0.8	0.0	0.0
19	36.618	0.027	0.171	6.86e-05	3.71e-05	6.20e-04	3.36e-04	23.27	12.6	0.0	0.0
20	37.880	0.026	0.171	0.25	0.1	0.05	2.91e-02	0.96	0.5	0.0	0.0
21	42.312	0.024	0.170	4.36e-03	2.36e-03	0.91	0.5	5.25	2.8	0.0	0.0
22	49.005	0.020	0.170	1.08	0.6	2.62	1.4	4.71	2.5	0.0	0.0
23	49.451	0.020	0.170	6.58	3.6	0.66	0.4	0.45	0.2	0.0	0.0
24	67.213	0.015	0.170	0.01	7.41e-03	5.51	3.0	29.76	16.1	0.0	0.0
25	74.003	0.014	0.170	1.74e-03	9.45e-04	6.49	3.5	27.96	15.2	0.0	0.0
26	95.439	0.010	0.170	2.49	1.3	0.01	5.76e-03	0.66	0.4	0.0	0.0
27	104.872	0.010	0.170	0.04	1.93e-02	2.79e-04	1.51e-04	30.43	16.5	0.0	0.0
Risulta				184.52		184.19		180.40			
In percentuale				99.98		99.80		97.75			

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: 0.093 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	-0.15	0.0	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	-0.21	0.0	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	-0.15	0.0	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	-0.21	0.0	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	-0.15	0.0	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.602	1.660	0.121	1.65e-04	8.92e-05	8.06	4.4	0.0	0.0	0.0	0.0
2	1.653	0.605	0.353	4.39e-04	2.38e-04	0.31	0.2	1.22e-06	0.0	0.0	0.0
3	3.381	0.296	0.539	120.94	65.5	0.04	2.01e-02	4.81e-03	2.61e-03	0.0	0.0
4	4.571	0.219	0.369	19.55	10.6	7.31e-05	3.96e-05	3.64e-04	1.97e-04	0.0	0.0
5	5.058	0.198	0.359	1.03	0.6	0.03	1.65e-02	4.68e-03	2.54e-03	0.0	0.0
6	7.419	0.135	0.289	3.34	1.8	0.17	9.23e-02	0.04	2.17e-02	0.0	0.0
7	10.716	0.093	0.264	0.07	3.74e-02	139.59	75.6	4.01e-03	2.17e-03	0.0	0.0
8	13.590	0.074	0.222	2.70	1.5	0.30	0.2	9.50e-04	5.15e-04	0.0	0.0
9	13.964	0.072	0.218	0.33	0.2	2.44e-03	1.32e-03	8.74e-04	4.74e-04	0.0	0.0
10	15.621	0.064	0.202	24.78	13.4	0.04	2.34e-02	9.96e-03	5.40e-03	0.0	0.0
11	18.680	0.054	0.187	0.87	0.5	5.97e-03	3.24e-03	0.03	1.42e-02	0.0	0.0
12	20.472	0.049	0.182	6.56e-03	3.55e-03	3.22	1.7	0.46	0.3	0.0	0.0
13	22.750	0.044	0.177	9.98e-03	5.41e-03	4.86	2.6	3.48	1.9	0.0	0.0
14	23.555	0.042	0.175	0.03	1.62e-02	0.04	1.99e-02	36.96	20.0	0.0	0.0
15	26.674	0.037	0.172	0.04	2.35e-02	0.54	0.3	13.53	7.3	0.0	0.0
16	28.376	0.035	0.172	0.22	0.1	4.68e-03	2.54e-03	0.57	0.3	0.0	0.0
17	31.717	0.032	0.172	0.04	2.08e-02	2.69	1.5	0.05	2.56e-02	0.0	0.0
18	35.580	0.028	0.171	3.47e-03	1.88e-03	1.30	0.7	16.19	8.8	0.0	0.0
19	36.844	0.027	0.171	0.20	0.1	4.73	2.6	2.04	1.1	0.0	0.0
20	40.097	0.025	0.171	0.13	7.04e-02	0.03	1.80e-02	8.93	4.8	0.0	0.0
21	41.221	0.024	0.171	0.23	0.1	0.28	0.2	7.00	3.8	0.0	0.0
22	49.554	0.020	0.170	7.46	4.0	0.06	3.36e-02	0.02	8.96e-03	0.0	0.0
23	56.753	0.018	0.170	0.02	1.09e-02	14.31	7.8	0.03	1.56e-02	0.0	0.0
24	68.802	0.015	0.170	7.92e-04	4.29e-04	0.32	0.2	56.33	30.5	0.0	0.0
25	81.347	0.012	0.170	1.83e-03	9.93e-04	3.11	1.7	2.76	1.5	0.0	0.0
26	95.617	0.010	0.170	2.52	1.4	3.62e-04	1.96e-04	0.04	1.99e-02	0.0	0.0
27	105.407	0.009	0.170	1.20e-03	6.50e-04	0.26	0.1	32.19	17.4	0.0	0.0
Risulta				184.52		184.30		180.64			
In				99.98		99.86		97.88			

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

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: 0.305 sec.
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.0	-0.30	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.0	-0.30	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.0	-0.07	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.0	-0.30	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.0	-0.07	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.680	1.471	0.083	2.52e-04	1.36e-04	6.32	3.4	0.0	0.0	0.0	0.0
2	1.869	0.535	0.316	8.34e-04	4.52e-04	0.24	0.1	1.62e-06	0.0	0.0	0.0
3	3.278	0.305	0.413	123.95	67.2	6.32e-03	3.43e-03	4.86e-03	2.63e-03	0.0	0.0
4	4.579	0.218	0.311	18.59	10.1	2.63e-05	1.42e-05	4.67e-04	2.53e-04	0.0	0.0
5	4.854	0.206	0.292	2.86	1.6	2.21e-03	1.20e-03	2.53e-03	1.37e-03	0.0	0.0
6	7.023	0.142	0.241	4.41	2.4	0.03	1.73e-02	0.04	2.08e-02	0.0	0.0
7	10.647	0.094	0.240	6.88e-03	3.73e-03	142.45	77.2	1.55e-03	8.41e-04	0.0	0.0
8	13.478	0.074	0.195	0.26	0.1	0.02	8.94e-03	3.15e-04	1.71e-04	0.0	0.0
9	14.055	0.071	0.188	0.12	6.60e-02	6.60e-03	3.58e-03	8.04e-04	4.35e-04	0.0	0.0
10	16.144	0.062	0.166	23.97	13.0	0.01	5.93e-03	0.02	9.60e-03	0.0	0.0
11	17.513	0.057	0.158	0.99	0.5	5.80e-03	3.14e-03	8.32e-03	4.51e-03	0.0	0.0
12	20.333	0.049	0.147	4.74e-06	2.57e-06	3.41	1.8	0.52	0.3	0.0	0.0
13	22.568	0.044	0.141	5.63e-05	3.05e-05	5.38	2.9	2.29	1.2	0.0	0.0
14	23.583	0.042	0.138	0.02	8.77e-03	7.73e-03	4.19e-03	38.66	20.9	0.0	0.0
15	26.793	0.037	0.134	6.53e-03	3.54e-03	0.42	0.2	13.57	7.4	0.0	0.0
16	28.969	0.035	0.134	0.29	0.2	0.55	0.3	0.01	7.03e-03	0.0	0.0
17	30.515	0.033	0.133	0.10	5.35e-02	1.66	0.9	0.26	0.1	0.0	0.0
18	35.324	0.028	0.132	3.02e-03	1.64e-03	6.91	3.7	0.86	0.5	0.0	0.0
19	35.882	0.028	0.132	6.95e-04	3.77e-04	1.02e-03	5.52e-04	18.15	9.8	0.0	0.0
20	37.187	0.027	0.132	0.25	0.1	0.21	0.1	1.10	0.6	0.0	0.0
21	41.147	0.024	0.131	2.61e-03	1.41e-03	4.98e-03	2.70e-03	13.83	7.5	0.0	0.0
22	55.215	0.018	0.131	6.19	3.4	0.73	0.4	0.02	1.35e-02	0.0	0.0
23	58.440	0.017	0.131	0.41	0.2	11.14	6.0	0.03	1.74e-02	0.0	0.0
24	68.827	0.015	0.131	6.69e-03	3.62e-03	3.74e-03	2.03e-03	57.33	31.1	0.0	0.0
25	79.498	0.013	0.131	0.03	1.59e-02	4.65	2.5	0.03	1.45e-02	0.0	0.0
26	99.552	0.010	0.131	1.92	1.0	0.03	1.77e-02	2.28	1.2	0.0	0.0
27	104.951	0.010	0.131	0.10	5.30e-02	0.11	5.82e-02	31.63	17.1	0.0	0.0
Risulta				184.48		184.30		180.65			
In percentuale				99.96		99.86		97.88			

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: 0.287 sec.
			numero di modi considerati: 27
			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			

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
9.20	28.34	1.50	1.72	0.0	0.30	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.0	0.30	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.0	0.07	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.0	0.30	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.0	0.07	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.680	1.471	0.083	1.80e-04	9.77e-05	6.32	3.4	0.0	0.0	0.0	0.0
2	1.869	0.535	0.316	5.43e-04	2.94e-04	0.24	0.1	1.58e-06	0.0	0.0	0.0
3	3.481	0.287	0.402	117.64	63.7	6.38e-03	3.46e-03	4.68e-03	2.53e-03	0.0	0.0
4	4.560	0.219	0.312	19.66	10.7	0.0	0.0	3.03e-04	1.64e-04	0.0	0.0
5	5.319	0.188	0.275	0.22	0.1	7.77e-03	4.21e-03	8.12e-03	4.40e-03	0.0	0.0
6	7.915	0.126	0.225	2.36	1.3	0.05	2.64e-02	0.04	2.31e-02	0.0	0.0
7	10.646	0.094	0.240	0.02	1.09e-02	142.37	77.1	1.46e-03	7.93e-04	0.0	0.0
8	13.193	0.076	0.199	10.66	5.8	0.08	4.59e-02	1.30e-03	7.03e-04	0.0	0.0
9	14.137	0.071	0.187	2.79e-04	1.51e-04	5.18e-03	2.81e-03	4.55e-04	2.46e-04	0.0	0.0
10	15.452	0.065	0.173	20.71	11.2	3.08e-03	1.67e-03	5.20e-03	2.82e-03	0.0	0.0
11	20.177	0.050	0.148	0.80	0.4	0.03	1.67e-02	0.03	1.71e-02	0.0	0.0
12	20.334	0.049	0.147	3.89e-03	2.11e-03	3.38	1.8	0.54	0.3	0.0	0.0
13	22.568	0.044	0.141	7.78e-06	4.22e-06	5.38	2.9	2.29	1.2	0.0	0.0
14	23.583	0.042	0.138	7.60e-03	4.12e-03	7.55e-03	4.09e-03	38.64	20.9	0.0	0.0
15	26.793	0.037	0.134	4.91e-03	2.66e-03	0.42	0.2	13.57	7.4	0.0	0.0
16	28.899	0.035	0.134	0.28	0.2	0.51	0.3	8.54e-03	4.63e-03	0.0	0.0
17	30.538	0.033	0.133	0.11	5.70e-02	1.75	0.9	0.26	0.1	0.0	0.0
18	35.391	0.028	0.132	0.02	1.18e-02	6.99	3.8	1.48	0.8	0.0	0.0
19	35.897	0.028	0.132	9.80e-04	5.31e-04	0.06	3.16e-02	17.92	9.7	0.0	0.0
20	40.174	0.025	0.132	1.71	0.9	0.01	7.26e-03	3.47	1.9	0.0	0.0
21	41.239	0.024	0.131	0.39	0.2	1.91e-03	1.03e-03	11.01	6.0	0.0	0.0
22	45.438	0.022	0.131	6.70	3.6	0.06	3.22e-02	1.45e-04	7.86e-05	0.0	0.0
23	58.410	0.017	0.131	0.01	6.39e-03	11.98	6.5	0.02	8.30e-03	0.0	0.0
24	68.693	0.015	0.131	1.13e-03	6.11e-04	3.98e-03	2.16e-03	57.00	30.9	0.0	0.0
25	80.117	0.012	0.131	0.02	8.30e-03	4.50	2.4	0.03	1.84e-02	0.0	0.0
26	87.608	0.011	0.131	3.19	1.7	8.94e-03	4.85e-03	0.06	3.14e-02	0.0	0.0
27	104.230	0.010	0.131	9.66e-04	5.23e-04	0.13	6.81e-02	34.23	18.5	0.0	0.0
Risulta				184.52		184.31		180.61			
In percentuale				99.98		99.86		97.86			

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: 0.095 sec.
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.15	0.0	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.21	0.0	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.15	0.0	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.21	0.0	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.15	0.0	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.798	1.253	0.097	3.06e-04	1.66e-04	4.58	2.5	0.0	0.0	0.0	0.0
2	2.200	0.455	0.295	1.37e-03	7.40e-04	0.18	9.56e-02	2.36e-06	1.28e-06	0.0	0.0
3	3.380	0.296	0.412	120.81	65.5	0.13	6.79e-02	4.86e-03	2.63e-03	0.0	0.0
4	4.571	0.219	0.311	19.55	10.6	1.43e-05	7.74e-06	3.63e-04	1.97e-04	0.0	0.0
5	5.057	0.198	0.282	1.06	0.6	0.09	5.12e-02	4.77e-03	2.59e-03	0.0	0.0
6	7.411	0.135	0.234	3.42	1.9	0.68	0.4	0.04	2.22e-02	0.0	0.0
7	10.546	0.095	0.242	0.20	0.1	143.17	77.6	2.24e-04	1.21e-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
8	13.599	0.074	0.193	2.61	1.4	0.82	0.4	7.09e-04	3.84e-04	0.0	0.0
9	13.964	0.072	0.189	0.33	0.2	0.01	6.73e-03	8.32e-04	4.51e-04	0.0	0.0
10	15.622	0.064	0.171	24.74	13.4	0.13	7.17e-02	7.38e-03	4.00e-03	0.0	0.0
11	18.678	0.054	0.153	0.88	0.5	0.05	2.53e-02	8.17e-03	4.43e-03	0.0	0.0
12	20.214	0.049	0.148	5.13e-03	2.78e-03	3.85	2.1	0.57	0.3	0.0	0.0
13	22.396	0.045	0.141	0.01	8.08e-03	5.93	3.2	1.48	0.8	0.0	0.0
14	23.595	0.042	0.138	3.63e-03	1.97e-03	3.86e-05	2.09e-05	39.55	21.4	0.0	0.0
15	26.785	0.037	0.134	3.35e-04	1.82e-04	0.07	3.52e-02	13.53	7.3	0.0	0.0
16	27.546	0.036	0.134	0.04	2.37e-02	2.13	1.2	0.20	0.1	0.0	0.0
17	29.924	0.033	0.133	0.37	0.2	0.06	2.99e-02	0.08	4.46e-02	0.0	0.0
18	34.611	0.029	0.132	0.02	1.33e-02	6.07	3.3	1.49	0.8	0.0	0.0
19	36.618	0.027	0.132	6.86e-05	3.71e-05	6.20e-04	3.36e-04	23.27	12.6	0.0	0.0
20	37.880	0.026	0.132	0.25	0.1	0.05	2.91e-02	0.96	0.5	0.0	0.0
21	42.312	0.024	0.131	4.36e-03	2.36e-03	0.91	0.5	5.25	2.8	0.0	0.0
22	49.005	0.020	0.131	1.08	0.6	2.62	1.4	4.71	2.5	0.0	0.0
23	49.451	0.020	0.131	6.58	3.6	0.66	0.4	0.45	0.2	0.0	0.0
24	67.213	0.015	0.131	0.01	7.41e-03	5.51	3.0	29.76	16.1	0.0	0.0
25	74.003	0.014	0.131	1.74e-03	9.45e-04	6.49	3.5	27.96	15.2	0.0	0.0
26	95.439	0.010	0.131	2.49	1.3	0.01	5.76e-03	0.66	0.4	0.0	0.0
27	104.872	0.010	0.131	0.04	1.93e-02	2.79e-04	1.51e-04	30.43	16.5	0.0	0.0
Risulta				184.52		184.19		180.40			
In percentuale				99.98		99.80		97.75			

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: 0.093 sec.
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	-0.15	0.0	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	-0.21	0.0	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	-0.15	0.0	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	-0.21	0.0	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	-0.15	0.0	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.602	1.660	0.072	1.65e-04	8.92e-05	8.06	4.4	0.0	0.0	0.0	0.0
2	1.653	0.605	0.234	4.39e-04	2.38e-04	0.31	0.2	1.22e-06	0.0	0.0	0.0
3	3.381	0.296	0.412	120.94	65.5	0.04	2.01e-02	4.81e-03	2.61e-03	0.0	0.0
4	4.571	0.219	0.311	19.55	10.6	7.31e-05	3.96e-05	3.64e-04	1.97e-04	0.0	0.0
5	5.058	0.198	0.282	1.03	0.6	0.03	1.65e-02	4.68e-03	2.54e-03	0.0	0.0
6	7.419	0.135	0.234	3.34	1.8	0.17	9.23e-02	0.04	2.17e-02	0.0	0.0
7	10.716	0.093	0.239	0.07	3.74e-02	139.59	75.6	4.01e-03	2.17e-03	0.0	0.0
8	13.590	0.074	0.194	2.70	1.5	0.30	0.2	9.50e-04	5.15e-04	0.0	0.0
9	13.964	0.072	0.189	0.33	0.2	2.44e-03	1.32e-03	8.74e-04	4.74e-04	0.0	0.0
10	15.621	0.064	0.171	24.78	13.4	0.04	2.34e-02	9.96e-03	5.40e-03	0.0	0.0
11	18.680	0.054	0.153	0.87	0.5	5.97e-03	3.24e-03	0.03	1.42e-02	0.0	0.0
12	20.472	0.049	0.147	6.56e-03	3.55e-03	3.22	1.7	0.46	0.3	0.0	0.0
13	22.750	0.044	0.140	9.98e-03	5.41e-03	4.86	2.6	3.48	1.9	0.0	0.0
14	23.555	0.042	0.138	0.03	1.62e-02	0.04	1.99e-02	36.96	20.0	0.0	0.0
15	26.674	0.037	0.134	0.04	2.35e-02	0.54	0.3	13.53	7.3	0.0	0.0
16	28.376	0.035	0.134	0.22	0.1	4.68e-03	2.54e-03	0.57	0.3	0.0	0.0
17	31.717	0.032	0.133	0.04	2.08e-02	2.69	1.5	0.05	2.56e-02	0.0	0.0
18	35.580	0.028	0.132	3.47e-03	1.88e-03	1.30	0.7	16.19	8.8	0.0	0.0
19	36.844	0.027	0.132	0.20	0.1	4.73	2.6	2.04	1.1	0.0	0.0
20	40.097	0.025	0.132	0.13	7.04e-02	0.03	1.80e-02	8.93	4.8	0.0	0.0
21	41.221	0.024	0.131	0.23	0.1	0.28	0.2	7.00	3.8	0.0	0.0
22	49.554	0.020	0.131	7.46	4.0	0.06	3.36e-02	0.02	8.96e-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
23	56.753	0.018	0.131	0.02	1.09e-02	14.31	7.8	0.03	1.56e-02	0.0	0.0
24	68.802	0.015	0.131	7.92e-04	4.29e-04	0.32	0.2	56.33	30.5	0.0	0.0
25	81.347	0.012	0.131	1.83e-03	9.93e-04	3.11	1.7	2.76	1.5	0.0	0.0
26	95.617	0.010	0.131	2.52	1.4	3.62e-04	1.96e-04	0.04	1.99e-02	0.0	0.0
27	105.407	0.009	0.131	1.20e-03	6.50e-04	0.26	0.1	32.19	17.4	0.0	0.0
Risulta				184.52		184.30		180.64			
In percentuale				99.98		99.86		97.88			

CDC	Tipo	Sigla Id	Note
12	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: 0.305 sec.
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.0	-0.30	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.0	-0.30	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.0	-0.07	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.0	-0.30	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.0	-0.07	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.680	1.471	0.072	2.52e-04	1.36e-04	6.32	3.4	0.0	0.0	0.0	0.0
2	1.869	0.535	0.278	8.34e-04	4.52e-04	0.24	0.1	1.62e-06	0.0	0.0	0.0
3	3.278	0.305	0.367	123.95	67.2	6.32e-03	3.43e-03	4.86e-03	2.63e-03	0.0	0.0
4	4.579	0.218	0.280	18.59	10.1	2.63e-05	1.42e-05	4.67e-04	2.53e-04	0.0	0.0
5	4.854	0.206	0.262	2.86	1.6	2.21e-03	1.20e-03	2.53e-03	1.37e-03	0.0	0.0
6	7.023	0.142	0.215	4.41	2.4	0.03	1.73e-02	0.04	2.08e-02	0.0	0.0
7	10.647	0.094	0.217	6.88e-03	3.73e-03	142.45	77.2	1.55e-03	8.41e-04	0.0	0.0
8	13.478	0.074	0.178	0.26	0.1	0.02	8.94e-03	3.15e-04	1.71e-04	0.0	0.0
9	14.055	0.071	0.171	0.12	6.60e-02	6.60e-03	3.58e-03	8.04e-04	4.35e-04	0.0	0.0
10	16.144	0.062	0.150	23.97	13.0	0.01	5.93e-03	0.02	9.60e-03	0.0	0.0
11	17.513	0.057	0.142	0.99	0.5	5.80e-03	3.14e-03	8.32e-03	4.51e-03	0.0	0.0
12	20.333	0.049	0.132	4.74e-06	2.57e-06	3.41	1.8	0.52	0.3	0.0	0.0
13	22.568	0.044	0.126	5.63e-05	3.05e-05	5.38	2.9	2.29	1.2	0.0	0.0
14	23.583	0.042	0.124	0.02	8.77e-03	7.73e-03	4.19e-03	38.66	20.9	0.0	0.0
15	26.793	0.037	0.120	6.53e-03	3.54e-03	0.42	0.2	13.57	7.4	0.0	0.0
16	28.969	0.035	0.119	0.29	0.2	0.55	0.3	0.01	7.03e-03	0.0	0.0
17	30.515	0.033	0.119	0.10	5.35e-02	1.66	0.9	0.26	0.1	0.0	0.0
18	35.324	0.028	0.118	3.02e-03	1.64e-03	6.91	3.7	0.86	0.5	0.0	0.0
19	35.882	0.028	0.118	6.95e-04	3.77e-04	1.02e-03	5.52e-04	18.15	9.8	0.0	0.0
20	37.187	0.027	0.118	0.25	0.1	0.21	0.1	1.10	0.6	0.0	0.0
21	41.147	0.024	0.117	2.61e-03	1.41e-03	4.98e-03	2.70e-03	13.83	7.5	0.0	0.0
22	55.215	0.018	0.116	6.19	3.4	0.73	0.4	0.02	1.35e-02	0.0	0.0
23	58.440	0.017	0.116	0.41	0.2	11.14	6.0	0.03	1.74e-02	0.0	0.0
24	68.827	0.015	0.116	6.69e-03	3.62e-03	3.74e-03	2.03e-03	57.33	31.1	0.0	0.0
25	79.498	0.013	0.116	0.03	1.59e-02	4.65	2.5	0.03	1.45e-02	0.0	0.0
26	99.552	0.010	0.116	1.92	1.0	0.03	1.77e-02	2.28	1.2	0.0	0.0
27	104.951	0.010	0.116	0.10	5.30e-02	0.11	5.82e-02	31.63	17.1	0.0	0.0
Risulta				184.48		184.30		180.65			
In percentuale				99.96		99.86		97.88			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa

CDC	Tipo	Sigla Id	Note
			periodo proprio T1: 0.287 sec.
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.0	0.30	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.0	0.30	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.0	0.07	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.0	0.30	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.0	0.07	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.680	1.471	0.072	1.80e-04	9.77e-05	6.32	3.4	0.0	0.0	0.0	0.0
2	1.869	0.535	0.278	5.43e-04	2.94e-04	0.24	0.1	1.58e-06	0.0	0.0	0.0
3	3.481	0.287	0.358	117.64	63.7	6.38e-03	3.46e-03	4.68e-03	2.53e-03	0.0	0.0
4	4.560	0.219	0.282	19.66	10.7	0.0	0.0	3.03e-04	1.64e-04	0.0	0.0
5	5.319	0.188	0.245	0.22	0.1	7.77e-03	4.21e-03	8.12e-03	4.40e-03	0.0	0.0
6	7.915	0.126	0.202	2.36	1.3	0.05	2.64e-02	0.04	2.31e-02	0.0	0.0
7	10.646	0.094	0.217	0.02	1.09e-02	142.37	77.1	1.46e-03	7.93e-04	0.0	0.0
8	13.193	0.076	0.182	10.66	5.8	0.08	4.59e-02	1.30e-03	7.03e-04	0.0	0.0
9	14.137	0.071	0.170	2.79e-04	1.51e-04	5.18e-03	2.81e-03	4.55e-04	2.46e-04	0.0	0.0
10	15.452	0.065	0.157	20.71	11.2	3.08e-03	1.67e-03	5.20e-03	2.82e-03	0.0	0.0
11	20.177	0.050	0.133	0.80	0.4	0.03	1.67e-02	0.03	1.71e-02	0.0	0.0
12	20.334	0.049	0.132	3.89e-03	2.11e-03	3.38	1.8	0.54	0.3	0.0	0.0
13	22.568	0.044	0.126	7.78e-06	4.22e-06	5.38	2.9	2.29	1.2	0.0	0.0
14	23.583	0.042	0.124	7.60e-03	4.12e-03	7.55e-03	4.09e-03	38.64	20.9	0.0	0.0
15	26.793	0.037	0.120	4.91e-03	2.66e-03	0.42	0.2	13.57	7.4	0.0	0.0
16	28.899	0.035	0.119	0.28	0.2	0.51	0.3	8.54e-03	4.63e-03	0.0	0.0
17	30.538	0.033	0.119	0.11	5.70e-02	1.75	0.9	0.26	0.1	0.0	0.0
18	35.391	0.028	0.118	0.02	1.18e-02	6.99	3.8	1.48	0.8	0.0	0.0
19	35.897	0.028	0.118	9.80e-04	5.31e-04	0.06	3.16e-02	17.92	9.7	0.0	0.0
20	40.174	0.025	0.117	1.71	0.9	0.01	7.26e-03	3.47	1.9	0.0	0.0
21	41.239	0.024	0.117	0.39	0.2	1.91e-03	1.03e-03	11.01	6.0	0.0	0.0
22	45.438	0.022	0.117	6.70	3.6	0.06	3.22e-02	1.45e-04	7.86e-05	0.0	0.0
23	58.410	0.017	0.116	0.01	6.39e-03	11.98	6.5	0.02	8.30e-03	0.0	0.0
24	68.693	0.015	0.116	1.13e-03	6.11e-04	3.98e-03	2.16e-03	57.00	30.9	0.0	0.0
25	80.117	0.012	0.116	0.02	8.30e-03	4.50	2.4	0.03	1.84e-02	0.0	0.0
26	87.608	0.011	0.116	3.19	1.7	8.94e-03	4.85e-03	0.06	3.14e-02	0.0	0.0
27	104.230	0.010	0.116	9.66e-04	5.23e-04	0.13	6.81e-02	34.23	18.5	0.0	0.0
Risulta				184.52		184.31		180.61			
In percentuale				99.98		99.86		97.86			

CDC	Tipo	Sigla Id	Note
14	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: 0.095 sec.
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.15	0.0	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.21	0.0	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.15	0.0	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.21	0.0	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.15	0.0	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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			

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
1	0.798	1.253	0.085	3.06e-04	1.66e-04	4.58	2.5	0.0	0.0	0.0	0.0
2	2.200	0.455	0.264	1.37e-03	7.40e-04	0.18	9.56e-02	2.36e-06	1.28e-06	0.0	0.0
3	3.380	0.296	0.367	120.81	65.5	0.13	6.79e-02	4.86e-03	2.63e-03	0.0	0.0
4	4.571	0.219	0.281	19.55	10.6	1.43e-05	7.74e-06	3.63e-04	1.97e-04	0.0	0.0
5	5.057	0.198	0.252	1.06	0.6	0.09	5.12e-02	4.77e-03	2.59e-03	0.0	0.0
6	7.411	0.135	0.209	3.42	1.9	0.68	0.4	0.04	2.22e-02	0.0	0.0
7	10.546	0.095	0.219	0.20	0.1	143.17	77.6	2.24e-04	1.21e-04	0.0	0.0
8	13.599	0.074	0.177	2.61	1.4	0.82	0.4	7.09e-04	3.84e-04	0.0	0.0
9	13.964	0.072	0.172	0.33	0.2	0.01	6.73e-03	8.32e-04	4.51e-04	0.0	0.0
10	15.622	0.064	0.155	24.74	13.4	0.13	7.17e-02	7.38e-03	4.00e-03	0.0	0.0
11	18.678	0.054	0.138	0.88	0.5	0.05	2.53e-02	8.17e-03	4.43e-03	0.0	0.0
12	20.214	0.049	0.133	5.13e-03	2.78e-03	3.85	2.1	0.57	0.3	0.0	0.0
13	22.396	0.045	0.126	0.01	8.08e-03	5.93	3.2	1.48	0.8	0.0	0.0
14	23.595	0.042	0.124	3.63e-03	1.97e-03	3.86e-05	2.09e-05	39.55	21.4	0.0	0.0
15	26.785	0.037	0.120	3.35e-04	1.82e-04	0.07	3.52e-02	13.53	7.3	0.0	0.0
16	27.546	0.036	0.120	0.04	2.37e-02	2.13	1.2	0.20	0.1	0.0	0.0
17	29.924	0.033	0.119	0.37	0.2	0.06	2.99e-02	0.08	4.46e-02	0.0	0.0
18	34.611	0.029	0.118	0.02	1.33e-02	6.07	3.3	1.49	0.8	0.0	0.0
19	36.618	0.027	0.118	6.86e-05	3.71e-05	6.20e-04	3.36e-04	23.27	12.6	0.0	0.0
20	37.880	0.026	0.118	0.25	0.1	0.05	2.91e-02	0.96	0.5	0.0	0.0
21	42.312	0.024	0.117	4.36e-03	2.36e-03	0.91	0.5	5.25	2.8	0.0	0.0
22	49.005	0.020	0.116	1.08	0.6	2.62	1.4	4.71	2.5	0.0	0.0
23	49.451	0.020	0.116	6.58	3.6	0.66	0.4	0.45	0.2	0.0	0.0
24	67.213	0.015	0.116	0.01	7.41e-03	5.51	3.0	29.76	16.1	0.0	0.0
25	74.003	0.014	0.116	1.74e-03	9.45e-04	6.49	3.5	27.96	15.2	0.0	0.0
26	95.439	0.010	0.116	2.49	1.3	0.01	5.76e-03	0.66	0.4	0.0	0.0
27	104.872	0.010	0.116	0.04	1.93e-02	2.79e-04	1.51e-04	30.43	16.5	0.0	0.0
Risulta				184.52		184.19		180.40			
In percentuale				99.98		99.80		97.75			

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: negativa
			periodo proprio T1: 0.093 sec.
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	-0.15	0.0	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	-0.21	0.0	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	-0.15	0.0	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	-0.21	0.0	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	-0.15	0.0	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.602	1.660	0.063	1.65e-04	8.92e-05	8.06	4.4	0.0	0.0	0.0	0.0
2	1.653	0.605	0.204	4.39e-04	2.38e-04	0.31	0.2	1.22e-06	0.0	0.0	0.0
3	3.381	0.296	0.366	120.94	65.5	0.04	2.01e-02	4.81e-03	2.61e-03	0.0	0.0
4	4.571	0.219	0.281	19.55	10.6	7.31e-05	3.96e-05	3.64e-04	1.97e-04	0.0	0.0
5	5.058	0.198	0.252	1.03	0.6	0.03	1.65e-02	4.68e-03	2.54e-03	0.0	0.0
6	7.419	0.135	0.209	3.34	1.8	0.17	9.23e-02	0.04	2.17e-02	0.0	0.0
7	10.716	0.093	0.216	0.07	3.74e-02	139.59	75.6	4.01e-03	2.17e-03	0.0	0.0
8	13.590	0.074	0.177	2.70	1.5	0.30	0.2	9.50e-04	5.15e-04	0.0	0.0
9	13.964	0.072	0.172	0.33	0.2	2.44e-03	1.32e-03	8.74e-04	4.74e-04	0.0	0.0
10	15.621	0.064	0.155	24.78	13.4	0.04	2.34e-02	9.96e-03	5.40e-03	0.0	0.0
11	18.680	0.054	0.138	0.87	0.5	5.97e-03	3.24e-03	0.03	1.42e-02	0.0	0.0
12	20.472	0.049	0.132	6.56e-03	3.55e-03	3.22	1.7	0.46	0.3	0.0	0.0
13	22.750	0.044	0.126	9.98e-03	5.41e-03	4.86	2.6	3.48	1.9	0.0	0.0
14	23.555	0.042	0.124	0.03	1.62e-02	0.04	1.99e-02	36.96	20.0	0.0	0.0
15	26.674	0.037	0.120	0.04	2.35e-02	0.54	0.3	13.53	7.3	0.0	0.0
16	28.376	0.035	0.120	0.22	0.1	4.68e-03	2.54e-03	0.57	0.3	0.0	0.0
17	31.717	0.032	0.119	0.04	2.08e-02	2.69	1.5	0.05	2.56e-02	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
18	35.580	0.028	0.118	3.47e-03	1.88e-03	1.30	0.7	16.19	8.8	0.0	0.0
19	36.844	0.027	0.118	0.20	0.1	4.73	2.6	2.04	1.1	0.0	0.0
20	40.097	0.025	0.117	0.13	7.04e-02	0.03	1.80e-02	8.93	4.8	0.0	0.0
21	41.221	0.024	0.117	0.23	0.1	0.28	0.2	7.00	3.8	0.0	0.0
22	49.554	0.020	0.116	7.46	4.0	0.06	3.36e-02	0.02	8.96e-03	0.0	0.0
23	56.753	0.018	0.116	0.02	1.09e-02	14.31	7.8	0.03	1.56e-02	0.0	0.0
24	68.802	0.015	0.116	7.92e-04	4.29e-04	0.32	0.2	56.33	30.5	0.0	0.0
25	81.347	0.012	0.116	1.83e-03	9.93e-04	3.11	1.7	2.76	1.5	0.0	0.0
26	95.617	0.010	0.116	2.52	1.4	3.62e-04	1.96e-04	0.04	1.99e-02	0.0	0.0
27	105.407	0.009	0.116	1.20e-03	6.50e-04	0.26	0.1	32.19	17.4	0.0	0.0
Risulta				184.52		184.30		180.64			
In percentuale				99.98		99.86		97.88			

CDC	Tipo	Sigla Id	Note
16	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: 0.305 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.0	-0.30	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.0	-0.30	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.0	-0.07	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.0	-0.30	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.0	-0.07	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.680	1.471	0.176	2.52e-04	1.36e-04	6.32	3.4	0.0	0.0	0.0	0.0
2	1.869	0.535	0.485	8.34e-04	4.52e-04	0.24	0.1	1.62e-06	0.0	0.0	0.0
3	3.278	0.305	0.641	123.95	67.2	6.32e-03	3.43e-03	4.86e-03	2.63e-03	0.0	0.0
4	4.579	0.218	0.421	18.59	10.1	2.63e-05	1.42e-05	4.67e-04	2.53e-04	0.0	0.0
5	4.854	0.206	0.419	2.86	1.6	2.21e-03	1.20e-03	2.53e-03	1.37e-03	0.0	0.0
6	7.023	0.142	0.352	4.41	2.4	0.03	1.73e-02	0.04	2.08e-02	0.0	0.0
7	10.647	0.094	0.298	6.88e-03	3.73e-03	142.45	77.2	1.55e-03	8.41e-04	0.0	0.0
8	13.478	0.074	0.255	0.26	0.1	0.02	8.94e-03	3.15e-04	1.71e-04	0.0	0.0
9	14.055	0.071	0.249	0.12	6.60e-02	6.60e-03	3.58e-03	8.04e-04	4.35e-04	0.0	0.0
10	16.144	0.062	0.230	23.97	13.0	0.01	5.93e-03	0.02	9.60e-03	0.0	0.0
11	17.513	0.057	0.223	0.99	0.5	5.80e-03	3.14e-03	8.32e-03	4.51e-03	0.0	0.0
12	20.333	0.049	0.215	4.74e-06	2.57e-06	3.41	1.8	0.52	0.3	0.0	0.0
13	22.568	0.044	0.210	5.63e-05	3.05e-05	5.38	2.9	2.29	1.2	0.0	0.0
14	23.583	0.042	0.208	0.02	8.77e-03	7.73e-03	4.19e-03	38.66	20.9	0.0	0.0
15	26.793	0.037	0.205	6.53e-03	3.54e-03	0.42	0.2	13.57	7.4	0.0	0.0
16	28.969	0.035	0.204	0.29	0.2	0.55	0.3	0.01	7.03e-03	0.0	0.0
17	30.515	0.033	0.204	0.10	5.35e-02	1.66	0.9	0.26	0.1	0.0	0.0
18	35.324	0.028	0.203	3.02e-03	1.64e-03	6.91	3.7	0.86	0.5	0.0	0.0
19	35.882	0.028	0.203	6.95e-04	3.77e-04	1.02e-03	5.52e-04	18.15	9.8	0.0	0.0
20	37.187	0.027	0.203	0.25	0.1	0.21	0.1	1.10	0.6	0.0	0.0
21	41.147	0.024	0.203	2.61e-03	1.41e-03	4.98e-03	2.70e-03	13.83	7.5	0.0	0.0
22	55.215	0.018	0.202	6.19	3.4	0.73	0.4	0.02	1.35e-02	0.0	0.0
23	58.440	0.017	0.202	0.41	0.2	11.14	6.0	0.03	1.74e-02	0.0	0.0
24	68.827	0.015	0.202	6.69e-03	3.62e-03	3.74e-03	2.03e-03	57.33	31.1	0.0	0.0
25	79.498	0.013	0.202	0.03	1.59e-02	4.65	2.5	0.03	1.45e-02	0.0	0.0
26	99.552	0.010	0.202	1.92	1.0	0.03	1.77e-02	2.28	1.2	0.0	0.0
27	104.951	0.010	0.202	0.10	5.30e-02	0.11	5.82e-02	31.63	17.1	0.0	0.0
Risulta				184.48		184.30		180.65			
In percentuale				99.96		99.86		97.88			

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: negativa
			periodo proprio T1: 0.287 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.0	0.30	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	0.0	0.30	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.0	0.07	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.0	0.30	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.0	0.07	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.680	1.471	0.176	1.80e-04	9.77e-05	6.32	3.4	0.0	0.0	0.0	0.0
2	1.869	0.535	0.485	5.43e-04	2.94e-04	0.24	0.1	1.58e-06	0.0	0.0	0.0
3	3.481	0.287	0.613	117.64	63.7	6.38e-03	3.46e-03	4.68e-03	2.53e-03	0.0	0.0
4	4.560	0.219	0.421	19.66	10.7	0.0	0.0	3.03e-04	1.64e-04	0.0	0.0
5	5.319	0.188	0.415	0.22	0.1	7.77e-03	4.21e-03	8.12e-03	4.40e-03	0.0	0.0
6	7.915	0.126	0.326	2.36	1.3	0.05	2.64e-02	0.04	2.31e-02	0.0	0.0
7	10.646	0.094	0.298	0.02	1.09e-02	142.37	77.1	1.46e-03	7.93e-04	0.0	0.0
8	13.193	0.076	0.258	10.66	5.8	0.08	4.59e-02	1.30e-03	7.03e-04	0.0	0.0
9	14.137	0.071	0.248	2.79e-04	1.51e-04	5.18e-03	2.81e-03	4.55e-04	2.46e-04	0.0	0.0
10	15.452	0.065	0.235	20.71	11.2	3.08e-03	1.67e-03	5.20e-03	2.82e-03	0.0	0.0
11	20.177	0.050	0.215	0.80	0.4	0.03	1.67e-02	0.03	1.71e-02	0.0	0.0
12	20.334	0.049	0.215	3.89e-03	2.11e-03	3.38	1.8	0.54	0.3	0.0	0.0
13	22.568	0.044	0.210	7.78e-06	4.22e-06	5.38	2.9	2.29	1.2	0.0	0.0
14	23.583	0.042	0.208	7.60e-03	4.12e-03	7.55e-03	4.09e-03	38.64	20.9	0.0	0.0
15	26.793	0.037	0.205	4.91e-03	2.66e-03	0.42	0.2	13.57	7.4	0.0	0.0
16	28.899	0.035	0.204	0.28	0.2	0.51	0.3	8.54e-03	4.63e-03	0.0	0.0
17	30.538	0.033	0.204	0.11	5.70e-02	1.75	0.9	0.26	0.1	0.0	0.0
18	35.391	0.028	0.203	0.02	1.18e-02	6.99	3.8	1.48	0.8	0.0	0.0
19	35.897	0.028	0.203	9.80e-04	5.31e-04	0.06	3.16e-02	17.92	9.7	0.0	0.0
20	40.174	0.025	0.203	1.71	0.9	0.01	7.26e-03	3.47	1.9	0.0	0.0
21	41.239	0.024	0.203	0.39	0.2	1.91e-03	1.03e-03	11.01	6.0	0.0	0.0
22	45.438	0.022	0.202	6.70	3.6	0.06	3.22e-02	1.45e-04	7.86e-05	0.0	0.0
23	58.410	0.017	0.202	0.01	6.39e-03	11.98	6.5	0.02	8.30e-03	0.0	0.0
24	68.693	0.015	0.202	1.13e-03	6.11e-04	3.98e-03	2.16e-03	57.00	30.9	0.0	0.0
25	80.117	0.012	0.202	0.02	8.30e-03	4.50	2.4	0.03	1.84e-02	0.0	0.0
26	87.608	0.011	0.202	3.19	1.7	8.94e-03	4.85e-03	0.06	3.14e-02	0.0	0.0
27	104.230	0.010	0.202	9.66e-04	5.23e-04	0.13	6.81e-02	34.23	18.5	0.0	0.0
Risulta				184.52		184.31		180.61			
In percentuale				99.98		99.86		97.86			

CDC	Tipo	Sigla Id	Note
18	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: 0.095 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	0.15	0.0	1.50	1.60	1.767	0.0	0.046

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
7.20	42.35	1.31	0.12	0.21	0.0	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	0.15	0.0	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	0.21	0.0	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	0.15	0.0	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.798	1.253	0.199	3.06e-04	1.66e-04	4.58	2.5	0.0	0.0	0.0	0.0
2	2.200	0.455	0.439	1.37e-03	7.40e-04	0.18	9.56e-02	2.36e-06	1.28e-06	0.0	0.0
3	3.380	0.296	0.628	120.81	65.5	0.13	6.79e-02	4.86e-03	2.63e-03	0.0	0.0
4	4.571	0.219	0.421	19.55	10.6	1.43e-05	7.74e-06	3.63e-04	1.97e-04	0.0	0.0
5	5.057	0.198	0.417	1.06	0.6	0.09	5.12e-02	4.77e-03	2.59e-03	0.0	0.0
6	7.411	0.135	0.340	3.42	1.9	0.68	0.4	0.04	2.22e-02	0.0	0.0
7	10.546	0.095	0.300	0.20	0.1	143.17	77.6	2.24e-04	1.21e-04	0.0	0.0
8	13.599	0.074	0.254	2.61	1.4	0.82	0.4	7.09e-04	3.84e-04	0.0	0.0
9	13.964	0.072	0.250	0.33	0.2	0.01	6.73e-03	8.32e-04	4.51e-04	0.0	0.0
10	15.622	0.064	0.234	24.74	13.4	0.13	7.17e-02	7.38e-03	4.00e-03	0.0	0.0
11	18.678	0.054	0.219	0.88	0.5	0.05	2.53e-02	8.17e-03	4.43e-03	0.0	0.0
12	20.214	0.049	0.215	5.13e-03	2.78e-03	3.85	2.1	0.57	0.3	0.0	0.0
13	22.396	0.045	0.210	0.01	8.08e-03	5.93	3.2	1.48	0.8	0.0	0.0
14	23.595	0.042	0.208	3.63e-03	1.97e-03	3.86e-05	2.09e-05	39.55	21.4	0.0	0.0
15	26.785	0.037	0.205	3.35e-04	1.82e-04	0.07	3.52e-02	13.53	7.3	0.0	0.0
16	27.546	0.036	0.205	0.04	2.37e-02	2.13	1.2	0.20	0.1	0.0	0.0
17	29.924	0.033	0.204	0.37	0.2	0.06	2.99e-02	0.08	4.46e-02	0.0	0.0
18	34.611	0.029	0.204	0.02	1.33e-02	6.07	3.3	1.49	0.8	0.0	0.0
19	36.618	0.027	0.203	6.86e-05	3.71e-05	6.20e-04	3.36e-04	23.27	12.6	0.0	0.0
20	37.880	0.026	0.203	0.25	0.1	0.05	2.91e-02	0.96	0.5	0.0	0.0
21	42.312	0.024	0.203	4.36e-03	2.36e-03	0.91	0.5	5.25	2.8	0.0	0.0
22	49.005	0.020	0.202	1.08	0.6	2.62	1.4	4.71	2.5	0.0	0.0
23	49.451	0.020	0.202	6.58	3.6	0.66	0.4	0.45	0.2	0.0	0.0
24	67.213	0.015	0.202	0.01	7.41e-03	5.51	3.0	29.76	16.1	0.0	0.0
25	74.003	0.014	0.202	1.74e-03	9.45e-04	6.49	3.5	27.96	15.2	0.0	0.0
26	95.439	0.010	0.202	2.49	1.3	0.01	5.76e-03	0.66	0.4	0.0	0.0
27	104.872	0.010	0.202	0.04	1.93e-02	2.79e-04	1.51e-04	30.43	16.5	0.0	0.0
Risulta				184.52		184.19		180.40			
In percentuale				99.98		99.80		97.75			

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: negativa
			periodo proprio T1: 0.093 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 27
			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			
9.20	28.34	1.50	1.72	-0.15	0.0	1.50	1.60	1.767	0.0	0.046
7.20	42.35	1.31	0.12	-0.21	0.0	1.50	1.60	1.489	0.044	0.568
5.40	31.64	1.50	3.76	-0.15	0.0	1.50	3.95	1.362	0.0	0.177
3.60	50.81	1.25	0.08	-0.21	0.0	1.50	1.60	1.544	0.058	0.584
1.80	31.42	1.50	3.75	-0.15	0.0	1.50	3.95	1.362	0.0	0.182
Risulta	184.56									

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	0.602	1.660	0.157	1.65e-04	8.92e-05	8.06	4.4	0.0	0.0	0.0	0.0
2	1.653	0.605	0.430	4.39e-04	2.38e-04	0.31	0.2	1.22e-06	0.0	0.0	0.0
3	3.381	0.296	0.628	120.94	65.5	0.04	2.01e-02	4.81e-03	2.61e-03	0.0	0.0
4	4.571	0.219	0.421	19.55	10.6	7.31e-05	3.96e-05	3.64e-04	1.97e-04	0.0	0.0
5	5.058	0.198	0.417	1.03	0.6	0.03	1.65e-02	4.68e-03	2.54e-03	0.0	0.0
6	7.419	0.135	0.340	3.34	1.8	0.17	9.23e-02	0.04	2.17e-02	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
7	10.716	0.093	0.296	0.07	3.74e-02	139.59	75.6	4.01e-03	2.17e-03	0.0	0.0
8	13.590	0.074	0.254	2.70	1.5	0.30	0.2	9.50e-04	5.15e-04	0.0	0.0
9	13.964	0.072	0.250	0.33	0.2	2.44e-03	1.32e-03	8.74e-04	4.74e-04	0.0	0.0
10	15.621	0.064	0.234	24.78	13.4	0.04	2.34e-02	9.96e-03	5.40e-03	0.0	0.0
11	18.680	0.054	0.219	0.87	0.5	5.97e-03	3.24e-03	0.03	1.42e-02	0.0	0.0
12	20.472	0.049	0.214	6.56e-03	3.55e-03	3.22	1.7	0.46	0.3	0.0	0.0
13	22.750	0.044	0.209	9.98e-03	5.41e-03	4.86	2.6	3.48	1.9	0.0	0.0
14	23.555	0.042	0.208	0.03	1.62e-02	0.04	1.99e-02	36.96	20.0	0.0	0.0
15	26.674	0.037	0.205	0.04	2.35e-02	0.54	0.3	13.53	7.3	0.0	0.0
16	28.376	0.035	0.205	0.22	0.1	4.68e-03	2.54e-03	0.57	0.3	0.0	0.0
17	31.717	0.032	0.204	0.04	2.08e-02	2.69	1.5	0.05	2.56e-02	0.0	0.0
18	35.580	0.028	0.203	3.47e-03	1.88e-03	1.30	0.7	16.19	8.8	0.0	0.0
19	36.844	0.027	0.203	0.20	0.1	4.73	2.6	2.04	1.1	0.0	0.0
20	40.097	0.025	0.203	0.13	7.04e-02	0.03	1.80e-02	8.93	4.8	0.0	0.0
21	41.221	0.024	0.203	0.23	0.1	0.28	0.2	7.00	3.8	0.0	0.0
22	49.554	0.020	0.202	7.46	4.0	0.06	3.36e-02	0.02	8.96e-03	0.0	0.0
23	56.753	0.018	0.202	0.02	1.09e-02	14.31	7.8	0.03	1.56e-02	0.0	0.0
24	68.802	0.015	0.202	7.92e-04	4.29e-04	0.32	0.2	56.33	30.5	0.0	0.0
25	81.347	0.012	0.202	1.83e-03	9.93e-04	3.11	1.7	2.76	1.5	0.0	0.0
26	95.617	0.010	0.202	2.52	1.4	3.62e-04	1.96e-04	0.04	1.99e-02	0.0	0.0
27	105.407	0.009	0.202	1.20e-03	6.50e-04	0.26	0.1	32.19	17.4	0.0	0.0
Risulta				184.52		184.30		180.64			
In percentuale				99.98		99.86		97.88			

Cmb	Pilas.	1000 etaT/h	etaT mm	inter. h cm	Pilas.	1000 etaT/h	etaT mm	inter. h cm	Pilas.	1000 etaT/h	etaT mm	inter. h cm
51	33	0.44	0.35	80.0	36	0.44	0.36	80.0	39	0.60	0.48	80.0
	57	0.36	0.64	180.0	58	1.10	1.98	180.0	59	0.30	0.53	180.0
	60	1.13	2.04	180.0	77	1.45	5.24	360.0	78	0.97	3.50	360.0
	79	1.00	3.60	360.0	80	1.47	5.30	360.0	87	0.45	0.90	200.0
	88	1.02	2.05	200.0	89	1.03	2.05	200.0	90	0.45	0.91	200.0
	91	0.41	0.74	180.0	92	0.37	0.67	180.0	93	0.22	0.39	180.0
	94	0.35	0.64	180.0	121	0.30	0.24	80.0	122	0.61	0.49	80.0
	123	0.32	0.26	80.0	124	0.92	1.66	180.0	125	0.73	1.32	180.0
	126	0.69	1.24	180.0	127	0.49	0.97	200.0	128	0.46	0.92	200.0
	131	2.24	8.07	360.0	132	0.97	1.74	180.0	133	0.04	0.03	80.0
	135	0.11	0.09	80.0	136	2.24	8.08	360.0	137	0.12	0.22	180.0
	138	0.32	0.58	180.0	139	1.79	6.44	360.0	140	1.79	6.45	360.0
	141	0.34	0.62	180.0	142	0.41	0.74	180.0	143	0.39	0.78	200.0
	144	0.35	0.70	200.0								
52	33	0.42	0.34	80.0	36	0.43	0.35	80.0	39	0.59	0.47	80.0
	57	0.31	0.56	180.0	58	1.08	1.95	180.0	59	0.34	0.62	180.0
	60	1.14	2.06	180.0	77	1.44	5.19	360.0	78	0.97	3.49	360.0
	79	0.97	3.49	360.0	80	1.44	5.19	360.0	87	0.46	0.93	200.0
	88	1.02	2.05	200.0	89	1.00	2.01	200.0	90	0.43	0.85	200.0
	91	0.47	0.84	180.0	92	0.34	0.61	180.0	93	0.21	0.38	180.0
	94	0.39	0.71	180.0	121	0.29	0.23	80.0	122	0.60	0.48	80.0
	123	0.30	0.24	80.0	124	0.91	1.63	180.0	125	0.69	1.25	180.0
	126	0.70	1.26	180.0	127	0.46	0.93	200.0	128	0.49	0.98	200.0
	131	2.20	7.92	360.0	132	0.93	1.68	180.0	133	0.04	0.03	80.0
	135	0.09	0.07	80.0	136	2.19	7.90	360.0	137	0.13	0.23	180.0
	138	0.27	0.48	180.0	139	1.75	6.32	360.0	140	1.75	6.28	360.0
	141	0.32	0.57	180.0	142	0.47	0.85	180.0	143	0.41	0.82	200.0
	144	0.35	0.71	200.0								
53	33	0.42	0.33	80.0	36	0.41	0.32	80.0	39	0.58	0.46	80.0
	57	0.32	0.57	180.0	58	1.09	1.97	180.0	59	0.33	0.60	180.0
	60	1.18	2.12	180.0	77	1.57	5.67	360.0	78	1.08	3.90	360.0
	79	1.07	3.85	360.0	80	1.57	5.63	360.0	87	0.58	1.16	200.0
	88	0.91	1.82	200.0	89	0.90	1.80	200.0	90	0.57	1.13	200.0
	91	0.48	0.87	180.0	92	0.37	0.67	180.0	93	0.24	0.44	180.0
	94	0.43	0.78	180.0	121	0.29	0.23	80.0	122	0.57	0.46	80.0
	123	0.31	0.25	80.0	124	0.92	1.66	180.0	125	0.75	1.35	180.0
	126	0.69	1.24	180.0	127	0.45	0.90	200.0	128	0.48	0.95	200.0
	131	2.20	7.93	360.0	132	0.95	1.70	180.0	133	0.04	0.03	80.0
	135	0.10	0.08	80.0	136	2.20	7.91	360.0	137	0.17	0.30	180.0
	138	0.28	0.51	180.0	139	1.76	6.35	360.0	140	1.76	6.32	360.0
	141	0.33	0.60	180.0	142	0.44	0.80	180.0	143	0.46	0.92	200.0
	144	0.40	0.79	200.0								
54	33	0.43	0.34	80.0	36	0.42	0.33	80.0	39	0.60	0.48	80.0
	57	0.36	0.65	180.0	58	1.11	2.00	180.0	59	0.29	0.52	180.0
	60	1.17	2.10	180.0	77	1.59	5.71	360.0	78	1.09	3.91	360.0

	79	1.10	3.95	360.0	80	1.59	5.74	360.0	87	0.57	1.14	200.0
	88	0.91	1.81	200.0	89	0.92	1.85	200.0	90	0.59	1.19	200.0
	91	0.43	0.77	180.0	92	0.40	0.72	180.0	93	0.25	0.45	180.0
	94	0.40	0.71	180.0	121	0.30	0.24	80.0	122	0.58	0.47	80.0
	123	0.33	0.26	80.0	124	0.94	1.69	180.0	125	0.80	1.43	180.0
	126	0.69	1.23	180.0	127	0.48	0.96	200.0	128	0.44	0.89	200.0
	131	2.24	8.08	360.0	132	0.98	1.76	180.0	133	0.04	0.03	80.0
	135	0.12	0.09	80.0	136	2.25	8.09	360.0	137	0.16	0.28	180.0
	138	0.34	0.61	180.0	139	1.80	6.48	360.0	140	1.80	6.49	360.0
	141	0.35	0.64	180.0	142	0.38	0.69	180.0	143	0.44	0.88	200.0
	144	0.39	0.79	200.0								
55	33	0.43	0.34	80.0	36	0.44	0.35	80.0	39	0.59	0.47	80.0
	57	0.35	0.64	180.0	58	1.09	1.96	180.0	59	0.30	0.54	180.0
	60	1.12	2.02	180.0	77	1.44	5.18	360.0	78	0.96	3.46	360.0
	79	0.99	3.55	360.0	80	1.46	5.24	360.0	87	0.44	0.88	200.0
	88	1.01	2.03	200.0	89	1.02	2.03	200.0	90	0.45	0.89	200.0
	91	0.41	0.74	180.0	92	0.37	0.67	180.0	93	0.22	0.40	180.0
	94	0.36	0.64	180.0	121	0.29	0.23	80.0	122	0.60	0.48	80.0
	123	0.31	0.25	80.0	124	0.91	1.64	180.0	125	0.73	1.31	180.0
	126	0.68	1.22	180.0	127	0.49	0.98	200.0	128	0.46	0.93	200.0
	131	2.21	7.94	360.0	132	0.95	1.71	180.0	133	0.04	0.03	80.0
	135	0.11	0.09	80.0	136	2.21	7.95	360.0	137	0.13	0.23	180.0
	138	0.32	0.58	180.0	139	1.76	6.33	360.0	140	1.76	6.34	360.0
	141	0.35	0.62	180.0	142	0.41	0.74	180.0	143	0.40	0.80	200.0
	144	0.36	0.72	200.0								
56	33	0.43	0.35	80.0	36	0.44	0.35	80.0	39	0.60	0.48	80.0
	57	0.31	0.56	180.0	58	1.09	1.97	180.0	59	0.34	0.62	180.0
	60	1.15	2.08	180.0	77	1.46	5.25	360.0	78	0.98	3.53	360.0
	79	0.98	3.53	360.0	80	1.46	5.25	360.0	87	0.47	0.94	200.0
	88	1.03	2.07	200.0	89	1.02	2.03	200.0	90	0.43	0.87	200.0
	91	0.46	0.83	180.0	92	0.34	0.61	180.0	93	0.21	0.38	180.0
	94	0.39	0.70	180.0	121	0.30	0.24	80.0	122	0.61	0.49	80.0
	123	0.31	0.25	80.0	124	0.92	1.65	180.0	125	0.70	1.26	180.0
	126	0.71	1.27	180.0	127	0.46	0.92	200.0	128	0.49	0.97	200.0
	131	2.24	8.05	360.0	132	0.95	1.71	180.0	133	0.04	0.03	80.0
	135	0.09	0.07	80.0	136	2.23	8.03	360.0	137	0.12	0.22	180.0
	138	0.27	0.49	180.0	139	1.79	6.43	360.0	140	1.78	6.40	360.0
	141	0.31	0.57	180.0	142	0.47	0.85	180.0	143	0.40	0.80	200.0
	144	0.35	0.69	200.0								
57	33	0.43	0.34	80.0	36	0.41	0.33	80.0	39	0.59	0.47	80.0
	57	0.32	0.57	180.0	58	1.11	1.99	180.0	59	0.33	0.60	180.0
	60	1.19	2.14	180.0	77	1.59	5.72	360.0	78	1.09	3.94	360.0
	79	1.08	3.89	360.0	80	1.58	5.69	360.0	87	0.59	1.17	200.0
	88	0.92	1.84	200.0	89	0.91	1.82	200.0	90	0.57	1.15	200.0
	91	0.48	0.87	180.0	92	0.37	0.66	180.0	93	0.24	0.43	180.0
	94	0.43	0.78	180.0	121	0.30	0.24	80.0	122	0.58	0.46	80.0
	123	0.32	0.25	80.0	124	0.93	1.68	180.0	125	0.76	1.37	180.0
	126	0.70	1.26	180.0	127	0.45	0.90	200.0	128	0.47	0.95	200.0
	131	2.24	8.06	360.0	132	0.96	1.73	180.0	133	0.04	0.03	80.0
	135	0.10	0.08	80.0	136	2.23	8.04	360.0	137	0.16	0.29	180.0
	138	0.29	0.52	180.0	139	1.80	6.47	360.0	140	1.79	6.44	360.0
	141	0.33	0.59	180.0	142	0.44	0.80	180.0	143	0.45	0.91	200.0
	144	0.39	0.78	200.0								
58	33	0.42	0.34	80.0	36	0.41	0.33	80.0	39	0.59	0.47	80.0
	57	0.36	0.65	180.0	58	1.10	1.98	180.0	59	0.29	0.52	180.0
	60	1.16	2.08	180.0	77	1.57	5.66	360.0	78	1.08	3.87	360.0
	79	1.09	3.91	360.0	80	1.58	5.68	360.0	87	0.56	1.12	200.0
	88	0.90	1.80	200.0	89	0.91	1.83	200.0	90	0.58	1.17	200.0
	91	0.43	0.77	180.0	92	0.40	0.73	180.0	93	0.25	0.45	180.0
	94	0.40	0.72	180.0	121	0.29	0.23	80.0	122	0.57	0.46	80.0
	123	0.32	0.26	80.0	124	0.92	1.66	180.0	125	0.79	1.42	180.0
	126	0.68	1.22	180.0	127	0.48	0.96	200.0	128	0.45	0.90	200.0
	131	2.21	7.95	360.0	132	0.97	1.74	180.0	133	0.04	0.03	80.0
	135	0.12	0.09	80.0	136	2.21	7.96	360.0	137	0.16	0.28	180.0
	138	0.34	0.60	180.0	139	1.77	6.37	360.0	140	1.77	6.38	360.0
	141	0.36	0.64	180.0	142	0.38	0.69	180.0	143	0.45	0.90	200.0
	144	0.40	0.80	200.0								
59	33	0.31	0.24	80.0	36	0.31	0.25	80.0	39	0.62	0.49	80.0
	57	0.31	0.55	180.0	58	1.13	2.04	180.0	59	0.25	0.45	180.0
	60	1.15	2.07	180.0	77	1.25	4.49	360.0	78	0.73	2.64	360.0
	79	0.76	2.73	360.0	80	1.26	4.55	360.0	87	0.63	1.26	200.0
	88	1.36	2.72	200.0	89	1.36	2.73	200.0	90	0.64	1.27	200.0
	91	0.35	0.62	180.0	92	0.32	0.58	180.0	93	0.25	0.45	180.0
	94	0.34	0.61	180.0	121	0.31	0.25	80.0	122	0.62	0.50	80.0
	123	0.33	0.26	80.0	124	0.96	1.74	180.0	125	0.68	1.22	180.0

	126	0.65	1.16	180.0	127	0.65	1.30	200.0	128	0.64	1.27	200.0
	131	2.23	8.02	360.0	132	1.00	1.79	180.0	133	0.03	0.03	80.0
	135	0.09	0.07	80.0	136	2.23	8.03	360.0	137	0.11	0.19	180.0
	138	0.28	0.50	180.0	139	1.30	4.69	360.0	140	1.31	4.70	360.0
	141	0.30	0.53	180.0	142	0.34	0.62	180.0	143	0.33	0.65	200.0
	144	0.30	0.59	200.0								
60	33	0.29	0.23	80.0	36	0.30	0.24	80.0	39	0.60	0.48	80.0
	57	0.26	0.47	180.0	58	1.11	2.01	180.0	59	0.30	0.54	180.0
	60	1.15	2.08	180.0	77	1.24	4.45	360.0	78	0.73	2.62	360.0
	79	0.73	2.62	360.0	80	1.23	4.45	360.0	87	0.63	1.27	200.0
	88	1.36	2.71	200.0	89	1.34	2.69	200.0	90	0.61	1.23	200.0
	91	0.40	0.72	180.0	92	0.29	0.53	180.0	93	0.25	0.45	180.0
	94	0.37	0.67	180.0	121	0.31	0.24	80.0	122	0.61	0.49	80.0
	123	0.31	0.25	80.0	124	0.95	1.71	180.0	125	0.64	1.16	180.0
	126	0.66	1.18	180.0	127	0.64	1.28	200.0	128	0.66	1.32	200.0
	131	2.19	7.87	360.0	132	0.97	1.74	180.0	133	0.04	0.03	80.0
	135	0.07	0.06	80.0	136	2.18	7.85	360.0	137	0.12	0.21	180.0
	138	0.22	0.40	180.0	139	1.27	4.57	360.0	140	1.26	4.53	360.0
	141	0.27	0.49	180.0	142	0.41	0.74	180.0	143	0.35	0.69	200.0
	144	0.30	0.60	200.0								
61	33	0.29	0.23	80.0	36	0.28	0.22	80.0	39	0.59	0.47	80.0
	57	0.27	0.48	180.0	58	1.13	2.03	180.0	59	0.29	0.52	180.0
	60	1.19	2.13	180.0	77	1.37	4.93	360.0	78	0.84	3.04	360.0
	79	0.83	2.98	360.0	80	1.36	4.89	360.0	87	0.77	1.55	200.0
	88	1.24	2.47	200.0	89	1.23	2.46	200.0	90	0.77	1.53	200.0
	91	0.42	0.76	180.0	92	0.32	0.58	180.0	93	0.25	0.46	180.0
	94	0.40	0.71	180.0	121	0.31	0.24	80.0	122	0.58	0.47	80.0
	123	0.32	0.26	80.0	124	0.96	1.73	180.0	125	0.70	1.25	180.0
	126	0.65	1.17	180.0	127	0.62	1.23	200.0	128	0.63	1.26	200.0
	131	2.19	7.88	360.0	132	0.98	1.76	180.0	133	0.04	0.03	80.0
	135	0.08	0.06	80.0	136	2.18	7.86	360.0	137	0.15	0.27	180.0
	138	0.24	0.43	180.0	139	1.28	4.61	360.0	140	1.27	4.58	360.0
	141	0.29	0.51	180.0	142	0.38	0.68	180.0	143	0.40	0.79	200.0
	144	0.34	0.69	200.0								
62	33	0.30	0.24	80.0	36	0.29	0.23	80.0	39	0.61	0.49	80.0
	57	0.31	0.56	180.0	58	1.14	2.06	180.0	59	0.24	0.44	180.0
	60	1.18	2.12	180.0	77	1.38	4.97	360.0	78	0.85	3.05	360.0
	79	0.86	3.09	360.0	80	1.39	4.99	360.0	87	0.77	1.55	200.0
	88	1.24	2.48	200.0	89	1.25	2.50	200.0	90	0.79	1.58	200.0
	91	0.36	0.66	180.0	92	0.35	0.63	180.0	93	0.26	0.46	180.0
	94	0.36	0.65	180.0	121	0.31	0.25	80.0	122	0.60	0.48	80.0
	123	0.33	0.27	80.0	124	0.98	1.76	180.0	125	0.74	1.33	180.0
	126	0.65	1.17	180.0	127	0.63	1.26	200.0	128	0.61	1.21	200.0
	131	2.23	8.03	360.0	132	1.01	1.82	180.0	133	0.04	0.03	80.0
	135	0.10	0.08	80.0	136	2.23	8.04	360.0	137	0.14	0.25	180.0
	138	0.29	0.52	180.0	139	1.31	4.73	360.0	140	1.32	4.74	360.0
	141	0.31	0.55	180.0	142	0.32	0.57	180.0	143	0.38	0.75	200.0
	144	0.34	0.68	200.0								
63	33	0.30	0.24	80.0	36	0.31	0.24	80.0	39	0.60	0.48	80.0
	57	0.30	0.55	180.0	58	1.12	2.02	180.0	59	0.25	0.46	180.0
	60	1.14	2.05	180.0	77	1.23	4.44	360.0	78	0.72	2.60	360.0
	79	0.75	2.69	360.0	80	1.25	4.50	360.0	87	0.62	1.25	200.0
	88	1.35	2.70	200.0	89	1.35	2.71	200.0	90	0.63	1.25	200.0
	91	0.35	0.63	180.0	92	0.32	0.58	180.0	93	0.25	0.46	180.0
	94	0.34	0.61	180.0	121	0.31	0.24	80.0	122	0.61	0.49	80.0
	123	0.32	0.26	80.0	124	0.95	1.71	180.0	125	0.67	1.21	180.0
	126	0.64	1.15	180.0	127	0.66	1.31	200.0	128	0.64	1.28	200.0
	131	2.19	7.90	360.0	132	0.98	1.77	180.0	133	0.04	0.03	80.0
	135	0.09	0.07	80.0	136	2.20	7.90	360.0	137	0.11	0.20	180.0
	138	0.27	0.49	180.0	139	1.27	4.57	360.0	140	1.27	4.59	360.0
	141	0.30	0.54	180.0	142	0.35	0.62	180.0	143	0.34	0.67	200.0
	144	0.30	0.61	200.0								
64	33	0.30	0.24	80.0	36	0.31	0.25	80.0	39	0.61	0.49	80.0
	57	0.26	0.47	180.0	58	1.13	2.03	180.0	59	0.30	0.53	180.0
	60	1.16	2.10	180.0	77	1.25	4.50	360.0	78	0.74	2.66	360.0
	79	0.74	2.67	360.0	80	1.25	4.50	360.0	87	0.64	1.29	200.0
	88	1.37	2.73	200.0	89	1.36	2.71	200.0	90	0.62	1.24	200.0
	91	0.40	0.72	180.0	92	0.29	0.52	180.0	93	0.25	0.44	180.0
	94	0.37	0.66	180.0	121	0.31	0.25	80.0	122	0.62	0.50	80.0
	123	0.32	0.25	80.0	124	0.96	1.73	180.0	125	0.65	1.17	180.0
	126	0.66	1.20	180.0	127	0.64	1.27	200.0	128	0.65	1.31	200.0
	131	2.22	8.00	360.0	132	0.98	1.76	180.0	133	0.04	0.03	80.0
	135	0.07	0.06	80.0	136	2.22	7.98	360.0	137	0.11	0.20	180.0
	138	0.22	0.40	180.0	139	1.30	4.68	360.0	140	1.29	4.65	360.0
	141	0.27	0.48	180.0	142	0.41	0.73	180.0	143	0.34	0.67	200.0

	144	0.29	0.59	200.0								
65	33	0.30	0.24	80.0	36	0.29	0.23	80.0	39	0.60	0.48	80.0
	57	0.27	0.48	180.0	58	1.14	2.05	180.0	59	0.29	0.51	180.0
	60	1.20	2.15	180.0	77	1.38	4.98	360.0	78	0.85	3.08	360.0
	79	0.84	3.02	360.0	80	1.37	4.95	360.0	87	0.78	1.57	200.0
	88	1.25	2.49	200.0	89	1.24	2.48	200.0	90	0.78	1.55	200.0
	91	0.42	0.75	180.0	92	0.32	0.58	180.0	93	0.25	0.45	180.0
	94	0.39	0.71	180.0	121	0.31	0.25	80.0	122	0.59	0.47	80.0
	123	0.32	0.26	80.0	124	0.98	1.76	180.0	125	0.71	1.27	180.0
	126	0.66	1.19	180.0	127	0.61	1.22	200.0	128	0.63	1.25	200.0
	131	2.22	8.01	360.0	132	0.99	1.79	180.0	133	0.04	0.03	80.0
	135	0.08	0.07	80.0	136	2.22	7.99	360.0	137	0.15	0.26	180.0
	138	0.24	0.43	180.0	139	1.31	4.72	360.0	140	1.30	4.69	360.0
	141	0.28	0.51	180.0	142	0.38	0.68	180.0	143	0.39	0.78	200.0
	144	0.33	0.67	200.0								
66	33	0.29	0.23	80.0	36	0.28	0.22	80.0	39	0.60	0.48	80.0
	57	0.31	0.56	180.0	58	1.13	2.04	180.0	59	0.25	0.44	180.0
	60	1.17	2.10	180.0	77	1.37	4.91	360.0	78	0.84	3.01	360.0
	79	0.85	3.04	360.0	80	1.37	4.94	360.0	87	0.76	1.53	200.0
	88	1.23	2.46	200.0	89	1.24	2.48	200.0	90	0.78	1.56	200.0
	91	0.37	0.66	180.0	92	0.35	0.64	180.0	93	0.26	0.47	180.0
	94	0.36	0.66	180.0	121	0.31	0.25	80.0	122	0.58	0.47	80.0
	123	0.33	0.26	80.0	124	0.97	1.74	180.0	125	0.73	1.32	180.0
	126	0.64	1.15	180.0	127	0.63	1.27	200.0	128	0.61	1.23	200.0
	131	2.20	7.90	360.0	132	0.99	1.79	180.0	133	0.04	0.03	80.0
	135	0.10	0.08	80.0	136	2.20	7.91	360.0	137	0.14	0.26	180.0
	138	0.29	0.52	180.0	139	1.28	4.61	360.0	140	1.29	4.63	360.0
	141	0.31	0.56	180.0	142	0.32	0.58	180.0	143	0.39	0.77	200.0
	144	0.35	0.69	200.0								
67	33	0.15	0.12	80.0	36	0.16	0.13	80.0	39	0.21	0.16	80.0
	57	0.19	0.34	180.0	58	0.36	0.65	180.0	59	0.03	0.06	180.0
	60	0.34	0.61	180.0	77	0.42	1.49	360.0	78	0.27	0.96	360.0
	79	0.32	1.15	360.0	80	0.45	1.62	360.0	87	0.08	0.15	200.0
	88	0.36	0.72	200.0	89	0.38	0.76	200.0	90	0.14	0.28	200.0
	91	0.05	0.08	180.0	92	0.16	0.28	180.0	93	0.06	0.11	180.0
	94	0.04	0.07	180.0	121	0.10	0.08	80.0	122	0.21	0.17	80.0
	123	0.12	0.10	80.0	124	0.30	0.54	180.0	125	0.28	0.50	180.0
	126	0.20	0.35	180.0	127	0.19	0.38	200.0	128	0.11	0.22	200.0
	131	0.74	2.66	360.0	132	0.34	0.62	180.0	133	0.01	9.10e-03	80.0
	135	0.06	0.05	80.0	136	0.75	2.70	360.0	137	0.03	0.06	180.0
	138	0.18	0.33	180.0	139	0.59	2.12	360.0	140	0.60	2.18	360.0
	141	0.15	0.26	180.0	142	0.05	0.08	180.0	143	0.07	0.14	200.0
	144	0.08	0.17	200.0								
68	33	0.11	0.09	80.0	36	0.13	0.10	80.0	39	0.16	0.13	80.0
	57	0.06	0.11	180.0	58	0.29	0.52	180.0	59	0.18	0.33	180.0
	60	0.36	0.64	180.0	77	0.37	1.34	360.0	78	0.25	0.90	360.0
	79	0.22	0.79	360.0	80	0.35	1.26	360.0	87	0.16	0.32	200.0
	88	0.35	0.70	200.0	89	0.31	0.62	200.0	90	0.02	0.04	200.0
	91	0.22	0.40	180.0	92	0.08	0.15	180.0	93	0.05	0.10	180.0
	94	0.16	0.29	180.0	121	0.08	0.06	80.0	122	0.17	0.14	80.0
	123	0.08	0.06	80.0	124	0.24	0.44	180.0	125	0.16	0.30	180.0
	126	0.26	0.48	180.0	127	0.13	0.27	200.0	128	0.20	0.40	200.0
	131	0.60	2.17	360.0	132	0.24	0.44	180.0	133	0.02	0.02	80.0
	135	0.02	0.01	80.0	136	0.59	2.11	360.0	137	0.04	0.08	180.0
	138	0.05	0.09	180.0	139	0.48	1.72	360.0	140	0.46	1.64	360.0
	141	0.07	0.13	180.0	142	0.26	0.46	180.0	143	0.13	0.27	200.0
	144	0.08	0.17	200.0								
69	33	0.10	0.08	80.0	36	0.10	0.08	80.0	39	0.15	0.12	80.0
	57	0.07	0.13	180.0	58	0.31	0.56	180.0	59	0.17	0.31	180.0
	60	0.40	0.72	180.0	77	0.51	1.82	360.0	78	0.37	1.32	360.0
	79	0.32	1.16	360.0	80	0.48	1.71	360.0	87	0.23	0.47	200.0
	88	0.25	0.50	200.0	89	0.20	0.40	200.0	90	0.18	0.37	200.0
	91	0.24	0.43	180.0	92	0.10	0.17	180.0	93	0.07	0.12	180.0
	94	0.20	0.36	180.0	121	0.08	0.06	80.0	122	0.14	0.11	80.0
	123	0.08	0.06	80.0	124	0.26	0.47	180.0	125	0.20	0.35	180.0
	126	0.22	0.40	180.0	127	0.10	0.20	200.0	128	0.20	0.39	200.0
	131	0.60	2.17	360.0	132	0.25	0.45	180.0	133	0.02	0.01	80.0
	135	0.02	0.01	80.0	136	0.59	2.11	360.0	137	0.08	0.15	180.0
	138	0.05	0.09	180.0	139	0.49	1.76	360.0	140	0.46	1.67	360.0
	141	0.09	0.16	180.0	142	0.22	0.40	180.0	143	0.19	0.37	200.0
	144	0.14	0.28	200.0								
70	33	0.15	0.12	80.0	36	0.13	0.11	80.0	39	0.20	0.16	80.0
	57	0.19	0.34	180.0	58	0.36	0.66	180.0	59	0.05	0.09	180.0
	60	0.36	0.65	180.0	77	0.54	1.95	360.0	78	0.37	1.35	360.0
	79	0.41	1.48	360.0	80	0.57	2.05	360.0	87	0.22	0.44	200.0

	88	0.24	0.47	200.0	89	0.28	0.57	200.0	90	0.27	0.54	200.0
	91	0.06	0.11	180.0	92	0.19	0.34	180.0	93	0.10	0.18	180.0
	94	0.08	0.14	180.0	121	0.10	0.08	80.0	122	0.19	0.15	80.0
	123	0.14	0.11	80.0	124	0.31	0.56	180.0	125	0.35	0.63	180.0
	126	0.23	0.42	180.0	127	0.20	0.39	200.0	128	0.08	0.16	200.0
	131	0.74	2.67	360.0	132	0.36	0.65	180.0	133	0.02	0.02	80.0
	135	0.07	0.06	80.0	136	0.75	2.72	360.0	137	0.04	0.08	180.0
	138	0.20	0.36	180.0	139	0.60	2.17	360.0	140	0.62	2.23	360.0
	141	0.15	0.28	180.0	142	0.06	0.10	180.0	143	0.12	0.24	200.0
	144	0.13	0.26	200.0								
71	33	0.11	0.09	80.0	36	0.12	0.10	80.0	39	0.21	0.17	80.0
	57	0.17	0.31	180.0	58	0.37	0.66	180.0	59	0.03	0.06	180.0
	60	0.35	0.63	180.0	77	0.35	1.28	360.0	78	0.20	0.71	360.0
	79	0.25	0.91	360.0	80	0.39	1.40	360.0	87	0.14	0.29	200.0
	88	0.47	0.93	200.0	89	0.48	0.96	200.0	90	0.18	0.35	200.0
	91	0.04	0.08	180.0	92	0.14	0.26	180.0	93	0.07	0.13	180.0
	94	0.06	0.11	180.0	121	0.10	0.08	80.0	122	0.22	0.17	80.0
	123	0.12	0.10	80.0	124	0.31	0.56	180.0	125	0.26	0.46	180.0
	126	0.19	0.34	180.0	127	0.23	0.45	200.0	128	0.18	0.36	200.0
	131	0.74	2.65	360.0	132	0.35	0.63	180.0	133	0.01	8.67e-03	80.0
	135	0.06	0.05	80.0	136	0.75	2.68	360.0	137	0.03	0.06	180.0
	138	0.17	0.30	180.0	139	0.44	1.60	360.0	140	0.46	1.66	360.0
	141	0.13	0.24	180.0	142	0.04	0.07	180.0	143	0.05	0.11	200.0
	144	0.07	0.13	200.0								
72	33	0.07	0.06	80.0	36	0.09	0.07	80.0	39	0.16	0.13	80.0
	57	0.06	0.11	180.0	58	0.30	0.55	180.0	59	0.17	0.31	180.0
	60	0.35	0.64	180.0	77	0.31	1.12	360.0	78	0.18	0.66	360.0
	79	0.15	0.53	360.0	80	0.29	1.04	360.0	87	0.17	0.34	200.0
	88	0.44	0.89	200.0	89	0.42	0.84	200.0	90	0.10	0.19	200.0
	91	0.20	0.36	180.0	92	0.08	0.14	180.0	93	0.08	0.15	180.0
	94	0.15	0.28	180.0	121	0.08	0.07	80.0	122	0.18	0.14	80.0
	123	0.08	0.07	80.0	124	0.25	0.46	180.0	125	0.17	0.30	180.0
	126	0.25	0.45	180.0	127	0.20	0.41	200.0	128	0.25	0.49	200.0
	131	0.60	2.15	360.0	132	0.26	0.46	180.0	133	0.02	0.02	80.0
	135	0.02	0.02	80.0	136	0.58	2.10	360.0	137	0.04	0.07	180.0
	138	0.06	0.11	180.0	139	0.34	1.22	360.0	140	0.31	1.12	360.0
	141	0.06	0.12	180.0	142	0.24	0.42	180.0	143	0.11	0.23	200.0
	144	0.09	0.17	200.0								
73	33	0.06	0.05	80.0	36	0.06	0.05	80.0	39	0.15	0.12	80.0
	57	0.07	0.13	180.0	58	0.32	0.58	180.0	59	0.16	0.28	180.0
	60	0.39	0.71	180.0	77	0.44	1.60	360.0	78	0.30	1.07	360.0
	79	0.25	0.91	360.0	80	0.42	1.50	360.0	87	0.28	0.57	200.0
	88	0.33	0.66	200.0	89	0.30	0.60	200.0	90	0.25	0.49	200.0
	91	0.22	0.40	180.0	92	0.09	0.16	180.0	93	0.05	0.10	180.0
	94	0.19	0.34	180.0	121	0.08	0.07	80.0	122	0.15	0.12	80.0
	123	0.08	0.07	80.0	124	0.27	0.49	180.0	125	0.19	0.33	180.0
	126	0.21	0.38	180.0	127	0.17	0.33	200.0	128	0.23	0.45	200.0
	131	0.60	2.15	360.0	132	0.27	0.48	180.0	133	0.02	0.01	80.0
	135	0.02	0.01	80.0	136	0.58	2.10	360.0	137	0.08	0.14	180.0
	138	0.05	0.10	180.0	139	0.35	1.25	360.0	140	0.32	1.15	360.0
	141	0.08	0.14	180.0	142	0.20	0.36	180.0	143	0.17	0.33	200.0
	144	0.09	0.18	200.0								
74	33	0.11	0.09	80.0	36	0.09	0.08	80.0	39	0.20	0.16	80.0
	57	0.18	0.32	180.0	58	0.37	0.67	180.0	59	0.05	0.09	180.0
	60	0.37	0.67	180.0	77	0.48	1.73	360.0	78	0.30	1.09	360.0
	79	0.34	1.23	360.0	80	0.51	1.82	360.0	87	0.29	0.59	200.0
	88	0.34	0.68	200.0	89	0.37	0.74	200.0	90	0.33	0.65	200.0
	91	0.06	0.10	180.0	92	0.17	0.31	180.0	93	0.09	0.16	180.0
	94	0.03	0.05	180.0	121	0.10	0.08	80.0	122	0.19	0.15	80.0
	123	0.14	0.11	80.0	124	0.32	0.58	180.0	125	0.33	0.59	180.0
	126	0.22	0.39	180.0	127	0.22	0.43	200.0	128	0.14	0.28	200.0
	131	0.74	2.66	360.0	132	0.36	0.66	180.0	133	0.02	0.02	80.0
	135	0.06	0.05	80.0	136	0.75	2.70	360.0	137	0.04	0.07	180.0
	138	0.18	0.33	180.0	139	0.46	1.64	360.0	140	0.48	1.71	360.0
	141	0.14	0.25	180.0	142	0.06	0.11	180.0	143	0.06	0.12	200.0
	144	0.11	0.22	200.0								
75	33	0.12	0.10	80.0	36	0.13	0.10	80.0	39	0.17	0.14	80.0
	57	0.18	0.32	180.0	58	0.33	0.59	180.0	59	0.05	0.10	180.0
	60	0.30	0.54	180.0	77	0.36	1.31	360.0	78	0.23	0.82	360.0
	79	0.28	1.02	360.0	80	0.40	1.44	360.0	87	0.05	0.10	200.0
	88	0.32	0.65	200.0	89	0.35	0.69	200.0	90	0.13	0.25	200.0
	91	0.07	0.13	180.0	92	0.16	0.28	180.0	93	0.07	0.13	180.0
	94	0.04	0.08	180.0	121	0.08	0.07	80.0	122	0.18	0.14	80.0
	123	0.11	0.08	80.0	124	0.26	0.46	180.0	125	0.25	0.45	180.0
	126	0.17	0.31	180.0	127	0.20	0.40	200.0	128	0.13	0.26	200.0

	131	0.62	2.23	360.0	132	0.30	0.54	180.0	133	0.01	0.01	80.0
	135	0.06	0.05	80.0	136	0.63	2.28	360.0	137	0.04	0.08	180.0
	138	0.17	0.30	180.0	139	0.49	1.75	360.0	140	0.50	1.81	360.0
	141	0.15	0.27	180.0	142	0.07	0.12	180.0	143	0.08	0.16	200.0
	144	0.11	0.22	200.0								
76	33	0.14	0.11	80.0	36	0.16	0.13	80.0	39	0.19	0.16	80.0
	57	0.04	0.07	180.0	58	0.33	0.59	180.0	59	0.18	0.33	180.0
	60	0.39	0.70	180.0	77	0.42	1.51	360.0	78	0.28	1.02	360.0
	79	0.26	0.92	360.0	80	0.40	1.45	360.0	87	0.16	0.33	200.0
	88	0.38	0.76	200.0	89	0.35	0.70	200.0	90	0.06	0.13	200.0
	91	0.22	0.40	180.0	92	0.05	0.10	180.0	93	0.04	0.08	180.0
	94	0.15	0.27	180.0	121	0.10	0.08	80.0	122	0.21	0.17	80.0
	123	0.09	0.08	80.0	124	0.29	0.51	180.0	125	0.19	0.34	180.0
	126	0.29	0.52	180.0	127	0.11	0.23	200.0	128	0.19	0.37	200.0
	131	0.72	2.59	360.0	132	0.29	0.52	180.0	133	0.02	0.02	80.0
	135	0.01	8.63e-03	80.0	136	0.71	2.54	360.0	137	0.03	0.05	180.0
	138	0.03	0.06	180.0	139	0.58	2.09	360.0	140	0.56	2.02	360.0
	141	0.05	0.09	180.0	142	0.26	0.46	180.0	143	0.10	0.21	200.0
	144	0.07	0.15	200.0								
77	33	0.13	0.11	80.0	36	0.13	0.10	80.0	39	0.19	0.15	80.0
	57	0.05	0.09	180.0	58	0.35	0.63	180.0	59	0.17	0.30	180.0
	60	0.43	0.77	180.0	77	0.55	1.99	360.0	78	0.40	1.44	360.0
	79	0.36	1.30	360.0	80	0.53	1.90	360.0	87	0.26	0.52	200.0
	88	0.28	0.55	200.0	89	0.23	0.47	200.0	90	0.22	0.43	200.0
	91	0.24	0.43	180.0	92	0.08	0.14	180.0	93	0.07	0.13	180.0
	94	0.19	0.35	180.0	121	0.10	0.08	80.0	122	0.18	0.14	80.0
	123	0.10	0.08	80.0	124	0.30	0.55	180.0	125	0.22	0.39	180.0
	126	0.25	0.45	180.0	127	0.09	0.17	200.0	128	0.18	0.37	200.0
	131	0.72	2.60	360.0	132	0.30	0.53	180.0	133	0.01	0.01	80.0
	135	0.01	8.56e-03	80.0	136	0.70	2.54	360.0	137	0.07	0.13	180.0
	138	0.04	0.06	180.0	139	0.59	2.12	360.0	140	0.57	2.05	360.0
	141	0.07	0.12	180.0	142	0.22	0.40	180.0	143	0.16	0.31	200.0
	144	0.11	0.23	200.0								
78	33	0.12	0.09	80.0	36	0.10	0.08	80.0	39	0.16	0.13	80.0
	57	0.18	0.33	180.0	58	0.33	0.59	180.0	59	0.07	0.13	180.0
	60	0.32	0.58	180.0	77	0.49	1.76	360.0	78	0.34	1.21	360.0
	79	0.37	1.34	360.0	80	0.52	1.86	360.0	87	0.19	0.37	200.0
	88	0.20	0.40	200.0	89	0.26	0.51	200.0	90	0.24	0.49	200.0
	91	0.09	0.16	180.0	92	0.19	0.34	180.0	93	0.10	0.19	180.0
	94	0.06	0.10	180.0	121	0.08	0.07	80.0	122	0.15	0.12	80.0
	123	0.12	0.09	80.0	124	0.27	0.48	180.0	125	0.32	0.58	180.0
	126	0.21	0.37	180.0	127	0.20	0.40	200.0	128	0.10	0.20	200.0
	131	0.62	2.24	360.0	132	0.31	0.57	180.0	133	0.02	0.02	80.0
	135	0.06	0.05	80.0	136	0.64	2.29	360.0	137	0.05	0.10	180.0
	138	0.18	0.33	180.0	139	0.50	1.79	360.0	140	0.52	1.86	360.0
	141	0.16	0.29	180.0	142	0.08	0.14	180.0	143	0.14	0.29	200.0
	144	0.15	0.31	200.0								
79	33	0.08	0.07	80.0	36	0.09	0.07	80.0	39	0.17	0.14	80.0
	57	0.16	0.29	180.0	58	0.33	0.60	180.0	59	0.05	0.09	180.0
	60	0.31	0.56	180.0	77	0.30	1.09	360.0	78	0.16	0.57	360.0
	79	0.22	0.79	360.0	80	0.34	1.22	360.0	87	0.11	0.22	200.0
	88	0.43	0.86	200.0	89	0.44	0.89	200.0	90	0.15	0.30	200.0
	91	0.07	0.13	180.0	92	0.14	0.26	180.0	93	0.09	0.16	180.0
	94	0.08	0.14	180.0	121	0.09	0.07	80.0	122	0.18	0.15	80.0
	123	0.11	0.08	80.0	124	0.27	0.48	180.0	125	0.23	0.41	180.0
	126	0.16	0.29	180.0	127	0.24	0.48	200.0	128	0.20	0.40	200.0
	131	0.62	2.22	360.0	132	0.30	0.55	180.0	133	0.01	0.01	80.0
	135	0.05	0.04	80.0	136	0.63	2.26	360.0	137	0.04	0.08	180.0
	138	0.15	0.28	180.0	139	0.34	1.23	360.0	140	0.36	1.29	360.0
	141	0.14	0.24	180.0	142	0.06	0.11	180.0	143	0.08	0.17	200.0
	144	0.09	0.19	200.0								
80	33	0.10	0.08	80.0	36	0.12	0.09	80.0	39	0.20	0.16	80.0
	57	0.04	0.07	180.0	58	0.34	0.61	180.0	59	0.17	0.31	180.0
	60	0.39	0.70	180.0	77	0.36	1.29	360.0	78	0.21	0.77	360.0
	79	0.19	0.67	360.0	80	0.34	1.23	360.0	87	0.19	0.38	200.0
	88	0.48	0.95	200.0	89	0.46	0.91	200.0	90	0.13	0.26	200.0
	91	0.20	0.36	180.0	92	0.05	0.09	180.0	93	0.07	0.12	180.0
	94	0.14	0.25	180.0	121	0.10	0.08	80.0	122	0.21	0.17	80.0
	123	0.10	0.08	80.0	124	0.30	0.54	180.0	125	0.18	0.33	180.0
	126	0.27	0.49	180.0	127	0.19	0.37	200.0	128	0.23	0.46	200.0
	131	0.71	2.57	360.0	132	0.30	0.54	180.0	133	0.02	0.02	80.0
	135	0.01	0.01	80.0	136	0.70	2.53	360.0	137	0.02	0.04	180.0
	138	0.04	0.07	180.0	139	0.44	1.57	360.0	140	0.41	1.49	360.0
	141	0.04	0.08	180.0	142	0.24	0.43	180.0	143	0.08	0.17	200.0
	144	0.06	0.12	200.0								

81	33	0.09	0.08	80.0	36	0.09	0.07	80.0	39	0.19	0.15	80.0
	57	0.05	0.09	180.0	58	0.36	0.65	180.0	59	0.15	0.28	180.0
	60	0.43	0.77	180.0	77	0.49	1.77	360.0	78	0.33	1.19	360.0
	79	0.29	1.05	360.0	80	0.47	1.68	360.0	87	0.31	0.63	200.0
	88	0.36	0.72	200.0	89	0.34	0.67	200.0	90	0.29	0.57	200.0
	91	0.22	0.39	180.0	92	0.07	0.12	180.0	93	0.04	0.07	180.0
	94	0.18	0.32	180.0	121	0.10	0.08	80.0	122	0.18	0.14	80.0
	123	0.10	0.08	80.0	124	0.32	0.57	180.0	125	0.21	0.38	180.0
	126	0.24	0.42	180.0	127	0.15	0.29	200.0	128	0.21	0.42	200.0
	131	0.72	2.58	360.0	132	0.31	0.56	180.0	133	0.01	0.01	80.0
	135	0.01	8.21e-03	80.0	136	0.70	2.52	360.0	137	0.07	0.13	180.0
	138	0.03	0.06	180.0	139	0.45	1.60	360.0	140	0.42	1.52	360.0
	141	0.06	0.10	180.0	142	0.20	0.36	180.0	143	0.14	0.28	200.0
	144	0.10	0.19	200.0								
82	33	0.08	0.06	80.0	36	0.06	0.05	80.0	39	0.17	0.13	80.0
	57	0.17	0.30	180.0	58	0.34	0.61	180.0	59	0.07	0.12	180.0
	60	0.33	0.60	180.0	77	0.43	1.55	360.0	78	0.26	0.95	360.0
	79	0.30	1.09	360.0	80	0.46	1.64	360.0	87	0.26	0.52	200.0
	88	0.31	0.61	200.0	89	0.34	0.68	200.0	90	0.30	0.59	200.0
	91	0.08	0.15	180.0	92	0.17	0.31	180.0	93	0.10	0.18	180.0
	94	0.05	0.09	180.0	121	0.09	0.07	80.0	122	0.15	0.12	80.0
	123	0.12	0.09	80.0	124	0.28	0.50	180.0	125	0.30	0.54	180.0
	126	0.19	0.35	180.0	127	0.23	0.45	200.0	128	0.16	0.32	200.0
	131	0.62	2.23	360.0	132	0.32	0.57	180.0	133	0.02	0.02	80.0
	135	0.06	0.05	80.0	136	0.63	2.27	360.0	137	0.05	0.09	180.0
	138	0.17	0.31	180.0	139	0.35	1.27	360.0	140	0.37	1.35	360.0
	141	0.15	0.26	180.0	142	0.09	0.15	180.0	143	0.08	0.17	200.0
	144	0.14	0.27	200.0								
83	33	0.39	0.31	80.0	36	0.40	0.32	80.0	39	0.54	0.43	80.0
	57	0.32	0.57	180.0	58	0.99	1.77	180.0	59	0.26	0.47	180.0
	60	1.01	1.82	180.0	77	1.29	4.63	360.0	78	0.86	3.09	360.0
	79	0.88	3.18	360.0	80	1.30	4.69	360.0	87	0.39	0.78	200.0
	88	0.92	1.83	200.0	89	0.92	1.84	200.0	90	0.40	0.79	200.0
	91	0.36	0.65	180.0	92	0.33	0.59	180.0	93	0.19	0.35	180.0
	94	0.31	0.57	180.0	121	0.27	0.21	80.0	122	0.55	0.44	80.0
	123	0.29	0.23	80.0	124	0.83	1.49	180.0	125	0.65	1.17	180.0
	126	0.61	1.10	180.0	127	0.44	0.87	200.0	128	0.41	0.83	200.0
	131	1.99	7.18	360.0	132	0.86	1.56	180.0	133	0.03	0.03	80.0
	135	0.10	0.08	80.0	136	2.00	7.19	360.0	137	0.11	0.19	180.0
	138	0.29	0.52	180.0	139	1.59	5.72	360.0	140	1.59	5.73	360.0
	141	0.30	0.55	180.0	142	0.37	0.66	180.0	143	0.34	0.69	200.0
	144	0.31	0.62	200.0								
84	33	0.38	0.30	80.0	36	0.39	0.31	80.0	39	0.52	0.42	80.0
	57	0.27	0.49	180.0	58	0.97	1.74	180.0	59	0.31	0.55	180.0
	60	1.02	1.83	180.0	77	1.28	4.59	360.0	78	0.85	3.08	360.0
	79	0.86	3.08	360.0	80	1.28	4.59	360.0	87	0.41	0.81	200.0
	88	0.92	1.83	200.0	89	0.90	1.80	200.0	90	0.37	0.74	200.0
	91	0.41	0.74	180.0	92	0.30	0.54	180.0	93	0.19	0.34	180.0
	94	0.35	0.63	180.0	121	0.26	0.21	80.0	122	0.54	0.43	80.0
	123	0.27	0.22	80.0	124	0.81	1.46	180.0	125	0.61	1.10	180.0
	126	0.62	1.12	180.0	127	0.42	0.83	200.0	128	0.44	0.88	200.0
	131	1.96	7.05	360.0	132	0.84	1.50	180.0	133	0.04	0.03	80.0
	135	0.08	0.06	80.0	136	1.95	7.03	360.0	137	0.11	0.20	180.0
	138	0.24	0.43	180.0	139	1.56	5.61	360.0	140	1.55	5.59	360.0
	141	0.28	0.51	180.0	142	0.42	0.76	180.0	143	0.36	0.72	200.0
	144	0.31	0.63	200.0								
85	33	0.37	0.30	80.0	36	0.36	0.29	80.0	39	0.52	0.41	80.0
	57	0.28	0.51	180.0	58	0.98	1.76	180.0	59	0.30	0.53	180.0
	60	1.05	1.90	180.0	77	1.41	5.07	360.0	78	0.97	3.49	360.0
	79	0.96	3.44	360.0	80	1.40	5.03	360.0	87	0.52	1.04	200.0
	88	0.80	1.60	200.0	89	0.79	1.59	200.0	90	0.51	1.02	200.0
	91	0.43	0.78	180.0	92	0.33	0.60	180.0	93	0.22	0.40	180.0
	94	0.39	0.70	180.0	121	0.26	0.21	80.0	122	0.51	0.40	80.0
	123	0.28	0.22	80.0	124	0.83	1.49	180.0	125	0.67	1.21	180.0
	126	0.62	1.11	180.0	127	0.41	0.81	200.0	128	0.43	0.86	200.0
	131	1.96	7.05	360.0	132	0.85	1.53	180.0	133	0.04	0.03	80.0
	135	0.09	0.07	80.0	136	1.95	7.03	360.0	137	0.15	0.27	180.0
	138	0.25	0.46	180.0	139	1.57	5.65	360.0	140	1.56	5.63	360.0
	141	0.30	0.53	180.0	142	0.39	0.71	180.0	143	0.41	0.83	200.0
	144	0.36	0.71	200.0								
86	33	0.38	0.31	80.0	36	0.37	0.29	80.0	39	0.53	0.42	80.0
	57	0.32	0.58	180.0	58	0.99	1.79	180.0	59	0.25	0.46	180.0
	60	1.04	1.88	180.0	77	1.42	5.11	360.0	78	0.97	3.50	360.0
	79	0.98	3.53	360.0	80	1.42	5.13	360.0	87	0.51	1.02	200.0
	88	0.80	1.60	200.0	89	0.82	1.63	200.0	90	0.54	1.07	200.0

	91	0.38	0.69	180.0	92	0.36	0.65	180.0	93	0.22	0.40	180.0
	94	0.36	0.64	180.0	121	0.27	0.21	80.0	122	0.52	0.41	80.0
	123	0.30	0.24	80.0	124	0.84	1.51	180.0	125	0.71	1.28	180.0
	126	0.61	1.10	180.0	127	0.43	0.86	200.0	128	0.40	0.80	200.0
	131	2.00	7.19	360.0	132	0.88	1.58	180.0	133	0.04	0.03	80.0
	135	0.10	0.08	80.0	136	2.00	7.19	360.0	137	0.14	0.25	180.0
	138	0.30	0.54	180.0	139	1.60	5.76	360.0	140	1.60	5.77	360.0
	141	0.32	0.57	180.0	142	0.34	0.61	180.0	143	0.40	0.79	200.0
	144	0.35	0.70	200.0								
87	33	0.38	0.30	80.0	36	0.39	0.31	80.0	39	0.53	0.42	80.0
	57	0.32	0.57	180.0	58	0.98	1.76	180.0	59	0.27	0.48	180.0
	60	1.00	1.80	180.0	77	1.27	4.58	360.0	78	0.85	3.06	360.0
	79	0.87	3.14	360.0	80	1.29	4.64	360.0	87	0.39	0.77	200.0
	88	0.91	1.82	200.0	89	0.91	1.82	200.0	90	0.39	0.78	200.0
	91	0.36	0.66	180.0	92	0.33	0.59	180.0	93	0.20	0.35	180.0
	94	0.32	0.57	180.0	121	0.26	0.21	80.0	122	0.54	0.43	80.0
	123	0.28	0.23	80.0	124	0.81	1.46	180.0	125	0.64	1.16	180.0
	126	0.60	1.09	180.0	127	0.44	0.88	200.0	128	0.42	0.84	200.0
	131	1.96	7.06	360.0	132	0.85	1.53	180.0	133	0.03	0.03	80.0
	135	0.10	0.08	80.0	136	1.96	7.07	360.0	137	0.11	0.20	180.0
	138	0.28	0.51	180.0	139	1.56	5.62	360.0	140	1.56	5.63	360.0
	141	0.31	0.55	180.0	142	0.37	0.66	180.0	143	0.35	0.70	200.0
	144	0.32	0.63	200.0								
88	33	0.38	0.31	80.0	36	0.40	0.32	80.0	39	0.53	0.43	80.0
	57	0.27	0.49	180.0	58	0.98	1.76	180.0	59	0.31	0.55	180.0
	60	1.03	1.85	180.0	77	1.29	4.64	360.0	78	0.86	3.11	360.0
	79	0.87	3.12	360.0	80	1.29	4.64	360.0	87	0.41	0.83	200.0
	88	0.92	1.85	200.0	89	0.91	1.82	200.0	90	0.38	0.75	200.0
	91	0.41	0.74	180.0	92	0.30	0.54	180.0	93	0.19	0.34	180.0
	94	0.34	0.62	180.0	121	0.27	0.21	80.0	122	0.54	0.44	80.0
	123	0.28	0.22	80.0	124	0.82	1.48	180.0	125	0.62	1.12	180.0
	126	0.63	1.14	180.0	127	0.41	0.83	200.0	128	0.44	0.87	200.0
	131	1.99	7.16	360.0	132	0.85	1.53	180.0	133	0.03	0.03	80.0
	135	0.08	0.06	80.0	136	1.98	7.14	360.0	137	0.11	0.20	180.0
	138	0.24	0.43	180.0	139	1.59	5.71	360.0	140	1.58	5.69	360.0
	141	0.28	0.50	180.0	142	0.42	0.76	180.0	143	0.35	0.71	200.0
	144	0.31	0.61	200.0								
89	33	0.38	0.30	80.0	36	0.37	0.29	80.0	39	0.53	0.42	80.0
	57	0.28	0.51	180.0	58	0.99	1.78	180.0	59	0.29	0.53	180.0
	60	1.06	1.91	180.0	77	1.42	5.12	360.0	78	0.98	3.52	360.0
	79	0.97	3.48	360.0	80	1.41	5.08	360.0	87	0.53	1.06	200.0
	88	0.81	1.62	200.0	89	0.80	1.61	200.0	90	0.52	1.04	200.0
	91	0.43	0.77	180.0	92	0.33	0.59	180.0	93	0.22	0.39	180.0
	94	0.39	0.70	180.0	121	0.27	0.21	80.0	122	0.52	0.41	80.0
	123	0.28	0.23	80.0	124	0.84	1.51	180.0	125	0.68	1.22	180.0
	126	0.62	1.12	180.0	127	0.40	0.81	200.0	128	0.42	0.85	200.0
	131	1.99	7.17	360.0	132	0.86	1.55	180.0	133	0.04	0.03	80.0
	135	0.09	0.07	80.0	136	1.99	7.15	360.0	137	0.15	0.26	180.0
	138	0.26	0.46	180.0	139	1.60	5.75	360.0	140	1.59	5.73	360.0
	141	0.29	0.52	180.0	142	0.39	0.71	180.0	143	0.41	0.81	200.0
	144	0.35	0.70	200.0								
90	33	0.37	0.30	80.0	36	0.36	0.29	80.0	39	0.52	0.42	80.0
	57	0.32	0.58	180.0	58	0.98	1.77	180.0	59	0.26	0.46	180.0
	60	1.03	1.86	180.0	77	1.40	5.06	360.0	78	0.96	3.47	360.0
	79	0.97	3.49	360.0	80	1.41	5.08	360.0	87	0.51	1.01	200.0
	88	0.79	1.58	200.0	89	0.81	1.61	200.0	90	0.53	1.06	200.0
	91	0.38	0.69	180.0	92	0.36	0.65	180.0	93	0.23	0.41	180.0
	94	0.36	0.65	180.0	121	0.26	0.21	80.0	122	0.51	0.41	80.0
	123	0.29	0.23	80.0	124	0.83	1.49	180.0	125	0.71	1.27	180.0
	126	0.60	1.09	180.0	127	0.43	0.86	200.0	128	0.40	0.80	200.0
	131	1.96	7.07	360.0	132	0.87	1.56	180.0	133	0.04	0.03	80.0
	135	0.10	0.08	80.0	136	1.97	7.08	360.0	137	0.14	0.26	180.0
	138	0.30	0.54	180.0	139	1.57	5.66	360.0	140	1.58	5.67	360.0
	141	0.32	0.58	180.0	142	0.34	0.61	180.0	143	0.40	0.81	200.0
	144	0.36	0.72	200.0								
91	33	0.27	0.22	80.0	36	0.28	0.23	80.0	39	0.55	0.44	80.0
	57	0.27	0.49	180.0	58	1.01	1.82	180.0	59	0.22	0.40	180.0
	60	1.03	1.85	180.0	77	1.10	3.97	360.0	78	0.64	2.32	360.0
	79	0.67	2.41	360.0	80	1.12	4.02	360.0	87	0.55	1.11	200.0
	88	1.22	2.43	200.0	89	1.22	2.44	200.0	90	0.56	1.11	200.0
	91	0.31	0.55	180.0	92	0.28	0.51	180.0	93	0.23	0.41	180.0
	94	0.30	0.54	180.0	121	0.28	0.22	80.0	122	0.56	0.45	80.0
	123	0.29	0.23	80.0	124	0.86	1.55	180.0	125	0.60	1.08	180.0
	126	0.57	1.03	180.0	127	0.59	1.17	200.0	128	0.57	1.15	200.0
	131	1.98	7.13	360.0	132	0.89	1.60	180.0	133	0.03	0.02	80.0

	135	0.08	0.07	80.0	136	1.98	7.14	360.0	137	0.10	0.17	180.0
	138	0.24	0.44	180.0	139	1.16	4.16	360.0	140	1.16	4.18	360.0
	141	0.26	0.47	180.0	142	0.31	0.55	180.0	143	0.29	0.57	200.0
	144	0.26	0.52	200.0								
92	33	0.26	0.21	80.0	36	0.27	0.22	80.0	39	0.53	0.43	80.0
	57	0.23	0.42	180.0	58	1.00	1.79	180.0	59	0.27	0.48	180.0
	60	1.03	1.85	180.0	77	1.09	3.93	360.0	78	0.64	2.31	360.0
	79	0.64	2.31	360.0	80	1.09	3.93	360.0	87	0.56	1.11	200.0
	88	1.21	2.42	200.0	89	1.20	2.40	200.0	90	0.54	1.07	200.0
	91	0.36	0.64	180.0	92	0.26	0.47	180.0	93	0.23	0.41	180.0
	94	0.33	0.60	180.0	121	0.27	0.22	80.0	122	0.55	0.44	80.0
	123	0.28	0.22	80.0	124	0.85	1.53	180.0	125	0.57	1.02	180.0
	126	0.59	1.05	180.0	127	0.58	1.16	200.0	128	0.59	1.19	200.0
	131	1.94	7.00	360.0	132	0.86	1.56	180.0	133	0.03	0.03	80.0
	135	0.07	0.05	80.0	136	1.94	6.98	360.0	137	0.10	0.18	180.0
	138	0.20	0.35	180.0	139	1.13	4.06	360.0	140	1.12	4.03	360.0
	141	0.24	0.43	180.0	142	0.37	0.66	180.0	143	0.30	0.61	200.0
	144	0.27	0.53	200.0								
93	33	0.25	0.20	80.0	36	0.24	0.20	80.0	39	0.53	0.42	80.0
	57	0.24	0.43	180.0	58	1.01	1.82	180.0	59	0.26	0.46	180.0
	60	1.06	1.91	180.0	77	1.22	4.41	360.0	78	0.76	2.72	360.0
	79	0.74	2.67	360.0	80	1.21	4.37	360.0	87	0.70	1.39	200.0
	88	1.09	2.18	200.0	89	1.09	2.17	200.0	90	0.69	1.38	200.0
	91	0.37	0.67	180.0	92	0.29	0.52	180.0	93	0.23	0.42	180.0
	94	0.36	0.64	180.0	121	0.27	0.22	80.0	122	0.52	0.41	80.0
	123	0.29	0.23	80.0	124	0.86	1.55	180.0	125	0.62	1.12	180.0
	126	0.58	1.05	180.0	127	0.55	1.10	200.0	128	0.57	1.13	200.0
	131	1.95	7.01	360.0	132	0.88	1.58	180.0	133	0.04	0.03	80.0
	135	0.07	0.06	80.0	136	1.94	6.99	360.0	137	0.14	0.24	180.0
	138	0.21	0.38	180.0	139	1.14	4.10	360.0	140	1.13	4.07	360.0
	141	0.25	0.46	180.0	142	0.34	0.61	180.0	143	0.36	0.71	200.0
	144	0.31	0.61	200.0								
94	33	0.27	0.21	80.0	36	0.25	0.20	80.0	39	0.54	0.43	80.0
	57	0.28	0.50	180.0	58	1.02	1.84	180.0	59	0.22	0.39	180.0
	60	1.06	1.90	180.0	77	1.23	4.44	360.0	78	0.76	2.73	360.0
	79	0.77	2.76	360.0	80	1.24	4.46	360.0	87	0.70	1.39	200.0
	88	1.10	2.19	200.0	89	1.10	2.21	200.0	90	0.71	1.42	200.0
	91	0.32	0.58	180.0	92	0.32	0.57	180.0	93	0.23	0.42	180.0
	94	0.32	0.58	180.0	121	0.28	0.22	80.0	122	0.53	0.42	80.0
	123	0.30	0.24	80.0	124	0.88	1.58	180.0	125	0.66	1.19	180.0
	126	0.58	1.04	180.0	127	0.56	1.13	200.0	128	0.54	1.09	200.0
	131	1.98	7.14	360.0	132	0.90	1.63	180.0	133	0.04	0.03	80.0
	135	0.09	0.07	80.0	136	1.99	7.15	360.0	137	0.13	0.23	180.0
	138	0.26	0.47	180.0	139	1.17	4.20	360.0	140	1.17	4.22	360.0
	141	0.27	0.49	180.0	142	0.28	0.51	180.0	143	0.34	0.68	200.0
	144	0.30	0.61	200.0								
95	33	0.26	0.21	80.0	36	0.27	0.22	80.0	39	0.54	0.43	80.0
	57	0.27	0.49	180.0	58	1.00	1.80	180.0	59	0.23	0.41	180.0
	60	1.02	1.83	180.0	77	1.09	3.92	360.0	78	0.63	2.28	360.0
	79	0.66	2.37	360.0	80	1.10	3.97	360.0	87	0.55	1.09	200.0
	88	1.21	2.41	200.0	89	1.21	2.42	200.0	90	0.55	1.10	200.0
	91	0.31	0.56	180.0	92	0.29	0.52	180.0	93	0.23	0.42	180.0
	94	0.31	0.55	180.0	121	0.27	0.22	80.0	122	0.55	0.44	80.0
	123	0.29	0.23	80.0	124	0.85	1.53	180.0	125	0.59	1.07	180.0
	126	0.57	1.02	180.0	127	0.59	1.18	200.0	128	0.58	1.16	200.0
	131	1.95	7.02	360.0	132	0.88	1.58	180.0	133	0.03	0.03	80.0
	135	0.08	0.07	80.0	136	1.95	7.03	360.0	137	0.10	0.18	180.0
	138	0.24	0.44	180.0	139	1.13	4.06	360.0	140	1.13	4.08	360.0
	141	0.26	0.48	180.0	142	0.31	0.56	180.0	143	0.30	0.59	200.0
	144	0.27	0.54	200.0								
96	33	0.27	0.21	80.0	36	0.28	0.22	80.0	39	0.54	0.44	80.0
	57	0.23	0.42	180.0	58	1.01	1.81	180.0	59	0.26	0.48	180.0
	60	1.04	1.87	180.0	77	1.10	3.98	360.0	78	0.65	2.34	360.0
	79	0.65	2.35	360.0	80	1.10	3.98	360.0	87	0.56	1.13	200.0
	88	1.22	2.44	200.0	89	1.21	2.42	200.0	90	0.54	1.09	200.0
	91	0.35	0.64	180.0	92	0.26	0.46	180.0	93	0.22	0.40	180.0
	94	0.33	0.59	180.0	121	0.28	0.22	80.0	122	0.56	0.44	80.0
	123	0.28	0.23	80.0	124	0.86	1.55	180.0	125	0.58	1.04	180.0
	126	0.59	1.07	180.0	127	0.57	1.15	200.0	128	0.59	1.18	200.0
	131	1.98	7.11	360.0	132	0.88	1.58	180.0	133	0.03	0.03	80.0
	135	0.07	0.05	80.0	136	1.97	7.10	360.0	137	0.10	0.18	180.0
	138	0.20	0.36	180.0	139	1.16	4.16	360.0	140	1.15	4.13	360.0
	141	0.24	0.43	180.0	142	0.36	0.66	180.0	143	0.30	0.59	200.0
	144	0.26	0.52	200.0								
97	33	0.26	0.21	80.0	36	0.25	0.20	80.0	39	0.54	0.43	80.0

	57	0.24	0.43	180.0	58	1.02	1.83	180.0	59	0.25	0.46	180.0
	60	1.07	1.93	180.0	77	1.24	4.45	360.0	78	0.77	2.76	360.0
	79	0.75	2.71	360.0	80	1.23	4.42	360.0	87	0.70	1.41	200.0
	88	1.10	2.20	200.0	89	1.10	2.19	200.0	90	0.70	1.40	200.0
	91	0.37	0.67	180.0	92	0.29	0.52	180.0	93	0.23	0.41	180.0
	94	0.35	0.64	180.0	121	0.28	0.22	80.0	122	0.53	0.42	80.0
	123	0.29	0.23	80.0	124	0.87	1.57	180.0	125	0.63	1.14	180.0
	126	0.59	1.06	180.0	127	0.55	1.10	200.0	128	0.56	1.12	200.0
	131	1.98	7.12	360.0	132	0.89	1.60	180.0	133	0.03	0.03	80.0
	135	0.07	0.06	80.0	136	1.97	7.10	360.0	137	0.13	0.24	180.0
	138	0.21	0.38	180.0	139	1.17	4.20	360.0	140	1.16	4.17	360.0
	141	0.25	0.45	180.0	142	0.34	0.60	180.0	143	0.35	0.70	200.0
	144	0.30	0.60	200.0								
98	33	0.26	0.21	80.0	36	0.25	0.20	80.0	39	0.53	0.42	80.0
	57	0.28	0.50	180.0	58	1.01	1.82	180.0	59	0.22	0.39	180.0
	60	1.05	1.88	180.0	77	1.22	4.40	360.0	78	0.75	2.70	360.0
	79	0.76	2.72	360.0	80	1.23	4.41	360.0	87	0.69	1.37	200.0
	88	1.09	2.17	200.0	89	1.10	2.19	200.0	90	0.70	1.40	200.0
	91	0.33	0.59	180.0	92	0.32	0.57	180.0	93	0.24	0.42	180.0
	94	0.33	0.59	180.0	121	0.28	0.22	80.0	122	0.52	0.41	80.0
	123	0.30	0.24	80.0	124	0.87	1.56	180.0	125	0.65	1.18	180.0
	126	0.57	1.03	180.0	127	0.57	1.14	200.0	128	0.55	1.10	200.0
	131	1.95	7.03	360.0	132	0.89	1.60	180.0	133	0.04	0.03	80.0
	135	0.09	0.07	80.0	136	1.95	7.03	360.0	137	0.13	0.23	180.0
	138	0.26	0.46	180.0	139	1.14	4.10	360.0	140	1.14	4.12	360.0
	141	0.28	0.50	180.0	142	0.28	0.51	180.0	143	0.35	0.69	200.0
	144	0.31	0.62	200.0								
99	33	0.14	0.11	80.0	36	0.14	0.11	80.0	39	0.18	0.15	80.0
	57	0.17	0.30	180.0	58	0.32	0.58	180.0	59	0.03	0.05	180.0
	60	0.30	0.54	180.0	77	0.36	1.30	360.0	78	0.23	0.84	360.0
	79	0.28	1.01	360.0	80	0.40	1.42	360.0	87	0.06	0.12	200.0
	88	0.33	0.65	200.0	89	0.34	0.69	200.0	90	0.12	0.23	200.0
	91	0.04	0.07	180.0	92	0.14	0.25	180.0	93	0.05	0.10	180.0
	94	0.03	0.06	180.0	121	0.09	0.07	80.0	122	0.19	0.15	80.0
	123	0.11	0.09	80.0	124	0.27	0.48	180.0	125	0.24	0.44	180.0
	126	0.17	0.31	180.0	127	0.17	0.34	200.0	128	0.10	0.20	200.0
	131	0.66	2.36	360.0	132	0.31	0.55	180.0	133	0.01	8.93e-03	80.0
	135	0.06	0.04	80.0	136	0.67	2.40	360.0	137	0.03	0.05	180.0
	138	0.16	0.29	180.0	139	0.52	1.89	360.0	140	0.54	1.93	360.0
	141	0.13	0.23	180.0	142	0.04	0.07	180.0	143	0.06	0.11	200.0
	144	0.07	0.14	200.0								
100	33	0.10	0.08	80.0	36	0.11	0.09	80.0	39	0.14	0.11	80.0
	57	0.05	0.10	180.0	58	0.26	0.47	180.0	59	0.17	0.30	180.0
	60	0.32	0.57	180.0	77	0.32	1.17	360.0	78	0.22	0.78	360.0
	79	0.19	0.68	360.0	80	0.30	1.10	360.0	87	0.14	0.28	200.0
	88	0.32	0.64	200.0	89	0.28	0.57	200.0	90	0.02	0.03	200.0
	91	0.20	0.36	180.0	92	0.07	0.13	180.0	93	0.05	0.10	180.0
	94	0.14	0.26	180.0	121	0.07	0.06	80.0	122	0.16	0.12	80.0
	123	0.07	0.06	80.0	124	0.22	0.39	180.0	125	0.15	0.26	180.0
	126	0.24	0.43	180.0	127	0.12	0.24	200.0	128	0.18	0.37	200.0
	131	0.54	1.93	360.0	132	0.22	0.39	180.0	133	0.02	0.02	80.0
	135	0.02	0.01	80.0	136	0.52	1.88	360.0	137	0.04	0.07	180.0
	138	0.05	0.09	180.0	139	0.43	1.53	360.0	140	0.41	1.46	360.0
	141	0.06	0.11	180.0	142	0.23	0.41	180.0	143	0.12	0.23	200.0
	144	0.08	0.16	200.0								
101	33	0.09	0.07	80.0	36	0.09	0.07	80.0	39	0.13	0.11	80.0
	57	0.06	0.12	180.0	58	0.28	0.50	180.0	59	0.15	0.27	180.0
	60	0.36	0.64	180.0	77	0.46	1.65	360.0	78	0.33	1.19	360.0
	79	0.29	1.05	360.0	80	0.43	1.55	360.0	87	0.21	0.43	200.0
	88	0.22	0.44	200.0	89	0.17	0.34	200.0	90	0.17	0.34	200.0
	91	0.22	0.39	180.0	92	0.09	0.16	180.0	93	0.06	0.10	180.0
	94	0.18	0.33	180.0	121	0.07	0.06	80.0	122	0.13	0.10	80.0
	123	0.07	0.06	80.0	124	0.23	0.42	180.0	125	0.18	0.32	180.0
	126	0.20	0.36	180.0	127	0.09	0.18	200.0	128	0.18	0.35	200.0
	131	0.54	1.93	360.0	132	0.23	0.41	180.0	133	0.02	0.01	80.0
	135	0.01	0.01	80.0	136	0.52	1.87	360.0	137	0.08	0.14	180.0
	138	0.05	0.08	180.0	139	0.43	1.56	360.0	140	0.41	1.49	360.0
	141	0.08	0.14	180.0	142	0.20	0.35	180.0	143	0.17	0.34	200.0
	144	0.13	0.26	200.0								
102	33	0.13	0.10	80.0	36	0.12	0.09	80.0	39	0.18	0.14	80.0
	57	0.17	0.31	180.0	58	0.33	0.59	180.0	59	0.04	0.08	180.0
	60	0.32	0.58	180.0	77	0.49	1.76	360.0	78	0.34	1.22	360.0
	79	0.37	1.34	360.0	80	0.51	1.85	360.0	87	0.20	0.41	200.0
	88	0.20	0.41	200.0	89	0.25	0.50	200.0	90	0.25	0.49	200.0
	91	0.06	0.10	180.0	92	0.17	0.31	180.0	93	0.09	0.16	180.0

	94	0.07	0.12	180.0	121	0.09	0.07	80.0	122	0.16	0.13	80.0
	123	0.12	0.10	80.0	124	0.28	0.50	180.0	125	0.32	0.57	180.0
	126	0.21	0.38	180.0	127	0.18	0.35	200.0	128	0.07	0.14	200.0
	131	0.66	2.38	360.0	132	0.32	0.58	180.0	133	0.02	0.02	80.0
	135	0.06	0.05	80.0	136	0.67	2.42	360.0	137	0.04	0.07	180.0
	138	0.18	0.32	180.0	139	0.54	1.93	360.0	140	0.55	1.99	360.0
	141	0.14	0.25	180.0	142	0.05	0.09	180.0	143	0.11	0.22	200.0
	144	0.12	0.23	200.0								
103	33	0.10	0.08	80.0	36	0.11	0.09	80.0	39	0.19	0.15	80.0
	57	0.15	0.28	180.0	58	0.33	0.59	180.0	59	0.03	0.05	180.0
	60	0.31	0.56	180.0	77	0.31	1.11	360.0	78	0.17	0.61	360.0
	79	0.22	0.80	360.0	80	0.34	1.23	360.0	87	0.12	0.24	200.0
	88	0.42	0.84	200.0	89	0.43	0.86	200.0	90	0.15	0.30	200.0
	91	0.04	0.07	180.0	92	0.13	0.23	180.0	93	0.07	0.12	180.0
	94	0.06	0.11	180.0	121	0.09	0.07	80.0	122	0.20	0.16	80.0
	123	0.11	0.09	80.0	124	0.28	0.50	180.0	125	0.23	0.41	180.0
	126	0.16	0.30	180.0	127	0.20	0.41	200.0	128	0.16	0.33	200.0
	131	0.65	2.35	360.0	132	0.31	0.56	180.0	133	0.01	8.61e-03	80.0
	135	0.05	0.04	80.0	136	0.66	2.39	360.0	137	0.03	0.06	180.0
	138	0.15	0.27	180.0	139	0.39	1.42	360.0	140	0.41	1.47	360.0
	141	0.12	0.21	180.0	142	0.03	0.06	180.0	143	0.04	0.09	200.0
	144	0.06	0.11	200.0								
104	33	0.06	0.05	80.0	36	0.08	0.07	80.0	39	0.14	0.12	80.0
	57	0.06	0.10	180.0	58	0.27	0.49	180.0	59	0.15	0.27	180.0
	60	0.32	0.57	180.0	77	0.27	0.97	360.0	78	0.16	0.57	360.0
	79	0.12	0.45	360.0	80	0.25	0.90	360.0	87	0.15	0.29	200.0
	88	0.40	0.80	200.0	89	0.38	0.76	200.0	90	0.08	0.16	200.0
	91	0.18	0.32	180.0	92	0.07	0.13	180.0	93	0.08	0.14	180.0
	94	0.14	0.25	180.0	121	0.07	0.06	80.0	122	0.16	0.13	80.0
	123	0.08	0.06	80.0	124	0.23	0.41	180.0	125	0.15	0.27	180.0
	126	0.23	0.41	180.0	127	0.19	0.37	200.0	128	0.22	0.44	200.0
	131	0.53	1.91	360.0	132	0.23	0.41	180.0	133	0.02	0.02	80.0
	135	0.02	0.02	80.0	136	0.52	1.87	360.0	137	0.03	0.06	180.0
	138	0.05	0.10	180.0	139	0.30	1.08	360.0	140	0.28	1.00	360.0
	141	0.06	0.10	180.0	142	0.21	0.38	180.0	143	0.10	0.20	200.0
	144	0.07	0.15	200.0								
105	33	0.06	0.05	80.0	36	0.05	0.04	80.0	39	0.14	0.11	80.0
	57	0.06	0.12	180.0	58	0.29	0.52	180.0	59	0.14	0.25	180.0
	60	0.35	0.64	180.0	77	0.40	1.45	360.0	78	0.27	0.97	360.0
	79	0.23	0.83	360.0	80	0.38	1.36	360.0	87	0.26	0.52	200.0
	88	0.29	0.58	200.0	89	0.26	0.52	200.0	90	0.23	0.46	200.0
	91	0.20	0.36	180.0	92	0.08	0.15	180.0	93	0.05	0.09	180.0
	94	0.17	0.30	180.0	121	0.07	0.06	80.0	122	0.13	0.10	80.0
	123	0.07	0.06	80.0	124	0.25	0.44	180.0	125	0.17	0.30	180.0
	126	0.19	0.34	180.0	127	0.15	0.29	200.0	128	0.20	0.41	200.0
	131	0.53	1.92	360.0	132	0.24	0.43	180.0	133	0.02	0.01	80.0
	135	0.02	0.01	80.0	136	0.52	1.86	360.0	137	0.07	0.13	180.0
	138	0.05	0.09	180.0	139	0.31	1.11	360.0	140	0.28	1.02	360.0
	141	0.07	0.13	180.0	142	0.18	0.32	180.0	143	0.15	0.30	200.0
	144	0.08	0.16	200.0								
106	33	0.10	0.08	80.0	36	0.08	0.07	80.0	39	0.18	0.14	80.0
	57	0.16	0.28	180.0	58	0.33	0.60	180.0	59	0.05	0.09	180.0
	60	0.33	0.60	180.0	77	0.43	1.56	360.0	78	0.27	0.99	360.0
	79	0.31	1.11	360.0	80	0.46	1.65	360.0	87	0.27	0.54	200.0
	88	0.30	0.59	200.0	89	0.32	0.65	200.0	90	0.30	0.60	200.0
	91	0.05	0.09	180.0	92	0.16	0.28	180.0	93	0.08	0.15	180.0
	94	0.03	0.05	180.0	121	0.09	0.08	80.0	122	0.17	0.13	80.0
	123	0.12	0.10	80.0	124	0.29	0.52	180.0	125	0.30	0.54	180.0
	126	0.19	0.35	180.0	127	0.19	0.39	200.0	128	0.12	0.25	200.0
	131	0.66	2.37	360.0	132	0.33	0.59	180.0	133	0.02	0.02	80.0
	135	0.06	0.05	80.0	136	0.67	2.40	360.0	137	0.04	0.07	180.0
	138	0.17	0.30	180.0	139	0.41	1.47	360.0	140	0.42	1.53	360.0
	141	0.13	0.23	180.0	142	0.06	0.10	180.0	143	0.05	0.11	200.0
	144	0.10	0.20	200.0								
107	33	0.11	0.09	80.0	36	0.12	0.09	80.0	39	0.15	0.12	80.0
	57	0.16	0.29	180.0	58	0.29	0.52	180.0	59	0.05	0.09	180.0
	60	0.27	0.48	180.0	77	0.32	1.14	360.0	78	0.20	0.71	360.0
	79	0.25	0.90	360.0	80	0.35	1.26	360.0	87	0.04	0.08	200.0
	88	0.29	0.59	200.0	89	0.31	0.63	200.0	90	0.11	0.22	200.0
	91	0.07	0.12	180.0	92	0.14	0.25	180.0	93	0.07	0.12	180.0
	94	0.04	0.08	180.0	121	0.07	0.06	80.0	122	0.16	0.13	80.0
	123	0.09	0.08	80.0	124	0.23	0.41	180.0	125	0.22	0.39	180.0
	126	0.15	0.27	180.0	127	0.18	0.36	200.0	128	0.12	0.24	200.0
	131	0.55	1.98	360.0	132	0.27	0.48	180.0	133	0.01	0.01	80.0
	135	0.05	0.04	80.0	136	0.56	2.02	360.0	137	0.04	0.07	180.0

	138	0.15	0.27	180.0	139	0.43	1.55	360.0	140	0.45	1.60	360.0
	141	0.13	0.24	180.0	142	0.06	0.10	180.0	143	0.07	0.14	200.0
	144	0.10	0.19	200.0								
108	33	0.13	0.10	80.0	36	0.14	0.11	80.0	39	0.17	0.14	80.0
	57	0.04	0.06	180.0	58	0.29	0.53	180.0	59	0.17	0.30	180.0
	60	0.35	0.62	180.0	77	0.37	1.32	360.0	78	0.25	0.89	360.0
	79	0.22	0.80	360.0	80	0.35	1.26	360.0	87	0.14	0.29	200.0
	88	0.35	0.69	200.0	89	0.32	0.63	200.0	90	0.05	0.10	200.0
	91	0.20	0.36	180.0	92	0.05	0.08	180.0	93	0.04	0.07	180.0
	94	0.13	0.24	180.0	121	0.09	0.07	80.0	122	0.19	0.15	80.0
	123	0.08	0.07	80.0	124	0.26	0.46	180.0	125	0.17	0.30	180.0
	126	0.26	0.47	180.0	127	0.11	0.21	200.0	128	0.17	0.34	200.0
	131	0.64	2.31	360.0	132	0.26	0.46	180.0	133	0.02	0.02	80.0
	135	0.01	8.01e-03	80.0	136	0.63	2.26	360.0	137	0.02	0.04	180.0
	138	0.03	0.05	180.0	139	0.52	1.86	360.0	140	0.50	1.79	360.0
	141	0.04	0.08	180.0	142	0.23	0.42	180.0	143	0.09	0.18	200.0
	144	0.06	0.12	200.0								
109	33	0.12	0.09	80.0	36	0.11	0.09	80.0	39	0.16	0.13	80.0
	57	0.05	0.08	180.0	58	0.31	0.56	180.0	59	0.15	0.27	180.0
	60	0.39	0.70	180.0	77	0.50	1.80	360.0	78	0.36	1.30	360.0
	79	0.33	1.18	360.0	80	0.48	1.71	360.0	87	0.24	0.47	200.0
	88	0.24	0.48	200.0	89	0.20	0.40	200.0	90	0.20	0.40	200.0
	91	0.21	0.39	180.0	92	0.07	0.12	180.0	93	0.07	0.12	180.0
	94	0.18	0.32	180.0	121	0.09	0.07	80.0	122	0.16	0.13	80.0
	123	0.09	0.07	80.0	124	0.27	0.49	180.0	125	0.20	0.35	180.0
	126	0.22	0.40	180.0	127	0.08	0.15	200.0	128	0.17	0.33	200.0
	131	0.64	2.31	360.0	132	0.27	0.48	180.0	133	0.01	0.01	80.0
	135	9.57e-03	7.66e-03	80.0	136	0.63	2.26	360.0	137	0.07	0.12	180.0
	138	0.03	0.06	180.0	139	0.52	1.89	360.0	140	0.51	1.82	360.0
	141	0.06	0.11	180.0	142	0.20	0.35	180.0	143	0.14	0.29	200.0
	144	0.10	0.21	200.0								
110	33	0.10	0.08	80.0	36	0.09	0.07	80.0	39	0.15	0.12	80.0
	57	0.16	0.30	180.0	58	0.29	0.53	180.0	59	0.06	0.11	180.0
	60	0.29	0.52	180.0	77	0.44	1.59	360.0	78	0.30	1.09	360.0
	79	0.34	1.21	360.0	80	0.47	1.68	360.0	87	0.17	0.35	200.0
	88	0.17	0.34	200.0	89	0.23	0.45	200.0	90	0.22	0.45	200.0
	91	0.08	0.14	180.0	92	0.17	0.31	180.0	93	0.10	0.17	180.0
	94	0.05	0.08	180.0	121	0.08	0.06	80.0	122	0.13	0.11	80.0
	123	0.11	0.09	80.0	124	0.24	0.43	180.0	125	0.29	0.52	180.0
	126	0.19	0.33	180.0	127	0.18	0.36	200.0	128	0.09	0.17	200.0
	131	0.55	2.00	360.0	132	0.28	0.51	180.0	133	0.02	0.02	80.0
	135	0.06	0.05	80.0	136	0.57	2.04	360.0	137	0.05	0.09	180.0
	138	0.17	0.30	180.0	139	0.44	1.60	360.0	140	0.46	1.66	360.0
	141	0.15	0.26	180.0	142	0.07	0.13	180.0	143	0.12	0.25	200.0
	144	0.14	0.28	200.0								
111	33	0.07	0.06	80.0	36	0.08	0.07	80.0	39	0.15	0.12	80.0
	57	0.15	0.26	180.0	58	0.30	0.53	180.0	59	0.05	0.08	180.0
	60	0.28	0.50	180.0	77	0.26	0.95	360.0	78	0.13	0.49	360.0
	79	0.19	0.69	360.0	80	0.30	1.07	360.0	87	0.09	0.18	200.0
	88	0.39	0.78	200.0	89	0.40	0.80	200.0	90	0.13	0.26	200.0
	91	0.06	0.11	180.0	92	0.13	0.23	180.0	93	0.08	0.15	180.0
	94	0.07	0.13	180.0	121	0.08	0.06	80.0	122	0.16	0.13	80.0
	123	0.09	0.07	80.0	124	0.24	0.43	180.0	125	0.20	0.36	180.0
	126	0.14	0.26	180.0	127	0.22	0.43	200.0	128	0.18	0.36	200.0
	131	0.55	1.97	360.0	132	0.27	0.49	180.0	133	0.01	9.95e-03	80.0
	135	0.05	0.04	80.0	136	0.56	2.01	360.0	137	0.04	0.07	180.0
	138	0.14	0.25	180.0	139	0.30	1.09	360.0	140	0.32	1.14	360.0
	141	0.12	0.22	180.0	142	0.05	0.09	180.0	143	0.07	0.14	200.0
	144	0.08	0.16	200.0								
112	33	0.09	0.07	80.0	36	0.11	0.09	80.0	39	0.18	0.14	80.0
	57	0.03	0.06	180.0	58	0.30	0.54	180.0	59	0.15	0.28	180.0
	60	0.35	0.62	180.0	77	0.31	1.12	360.0	78	0.18	0.66	360.0
	79	0.16	0.57	360.0	80	0.30	1.07	360.0	87	0.16	0.33	200.0
	88	0.43	0.86	200.0	89	0.41	0.82	200.0	90	0.11	0.22	200.0
	91	0.18	0.32	180.0	92	0.04	0.08	180.0	93	0.06	0.12	180.0
	94	0.13	0.23	180.0	121	0.09	0.07	80.0	122	0.19	0.15	80.0
	123	0.09	0.07	80.0	124	0.27	0.48	180.0	125	0.16	0.29	180.0
	126	0.25	0.45	180.0	127	0.17	0.34	200.0	128	0.21	0.41	200.0
	131	0.64	2.29	360.0	132	0.27	0.48	180.0	133	0.02	0.01	80.0
	135	0.01	0.01	80.0	136	0.62	2.25	360.0	137	0.02	0.04	180.0
	138	0.04	0.06	180.0	139	0.39	1.40	360.0	140	0.37	1.33	360.0
	141	0.04	0.07	180.0	142	0.22	0.39	180.0	143	0.07	0.14	200.0
	144	0.05	0.10	200.0								
113	33	0.08	0.07	80.0	36	0.08	0.06	80.0	39	0.17	0.13	80.0
	57	0.04	0.08	180.0	58	0.32	0.58	180.0	59	0.14	0.25	180.0

	60	0.38	0.69	180.0	77	0.44	1.60	360.0	78	0.30	1.08	360.0
	79	0.26	0.95	360.0	80	0.42	1.52	360.0	87	0.29	0.58	200.0
	88	0.32	0.63	200.0	89	0.29	0.58	200.0	90	0.26	0.53	200.0
	91	0.20	0.35	180.0	92	0.06	0.11	180.0	93	0.03	0.06	180.0
	94	0.16	0.29	180.0	121	0.09	0.07	80.0	122	0.16	0.13	80.0
	123	0.09	0.07	80.0	124	0.28	0.51	180.0	125	0.19	0.34	180.0
	126	0.21	0.38	180.0	127	0.13	0.26	200.0	128	0.19	0.38	200.0
	131	0.64	2.29	360.0	132	0.28	0.50	180.0	133	0.01	0.01	80.0
	135	9.22e-03	7.37e-03	80.0	136	0.62	2.24	360.0	137	0.07	0.12	180.0
	138	0.03	0.06	180.0	139	0.40	1.43	360.0	140	0.38	1.35	360.0
	141	0.05	0.09	180.0	142	0.18	0.32	180.0	143	0.13	0.25	200.0
	144	0.09	0.17	200.0								
114	33	0.07	0.06	80.0	36	0.06	0.04	80.0	39	0.15	0.12	80.0
	57	0.15	0.27	180.0	58	0.30	0.54	180.0	59	0.06	0.11	180.0
	60	0.30	0.54	180.0	77	0.39	1.40	360.0	78	0.24	0.87	360.0
	79	0.27	0.99	360.0	80	0.41	1.48	360.0	87	0.24	0.48	200.0
	88	0.27	0.53	200.0	89	0.30	0.59	200.0	90	0.27	0.54	200.0
	91	0.07	0.13	180.0	92	0.16	0.28	180.0	93	0.09	0.16	180.0
	94	0.05	0.09	180.0	121	0.08	0.06	80.0	122	0.14	0.11	80.0
	123	0.11	0.08	80.0	124	0.25	0.45	180.0	125	0.27	0.49	180.0
	126	0.17	0.31	180.0	127	0.20	0.41	200.0	128	0.14	0.29	200.0
	131	0.55	1.99	360.0	132	0.29	0.51	180.0	133	0.02	0.02	80.0
	135	0.05	0.04	80.0	136	0.56	2.02	360.0	137	0.05	0.08	180.0
	138	0.15	0.28	180.0	139	0.32	1.13	360.0	140	0.33	1.20	360.0
	141	0.13	0.24	180.0	142	0.08	0.14	180.0	143	0.08	0.15	200.0
	144	0.12	0.25	200.0								

Cmb	**1000 etaT/h**
	2.25

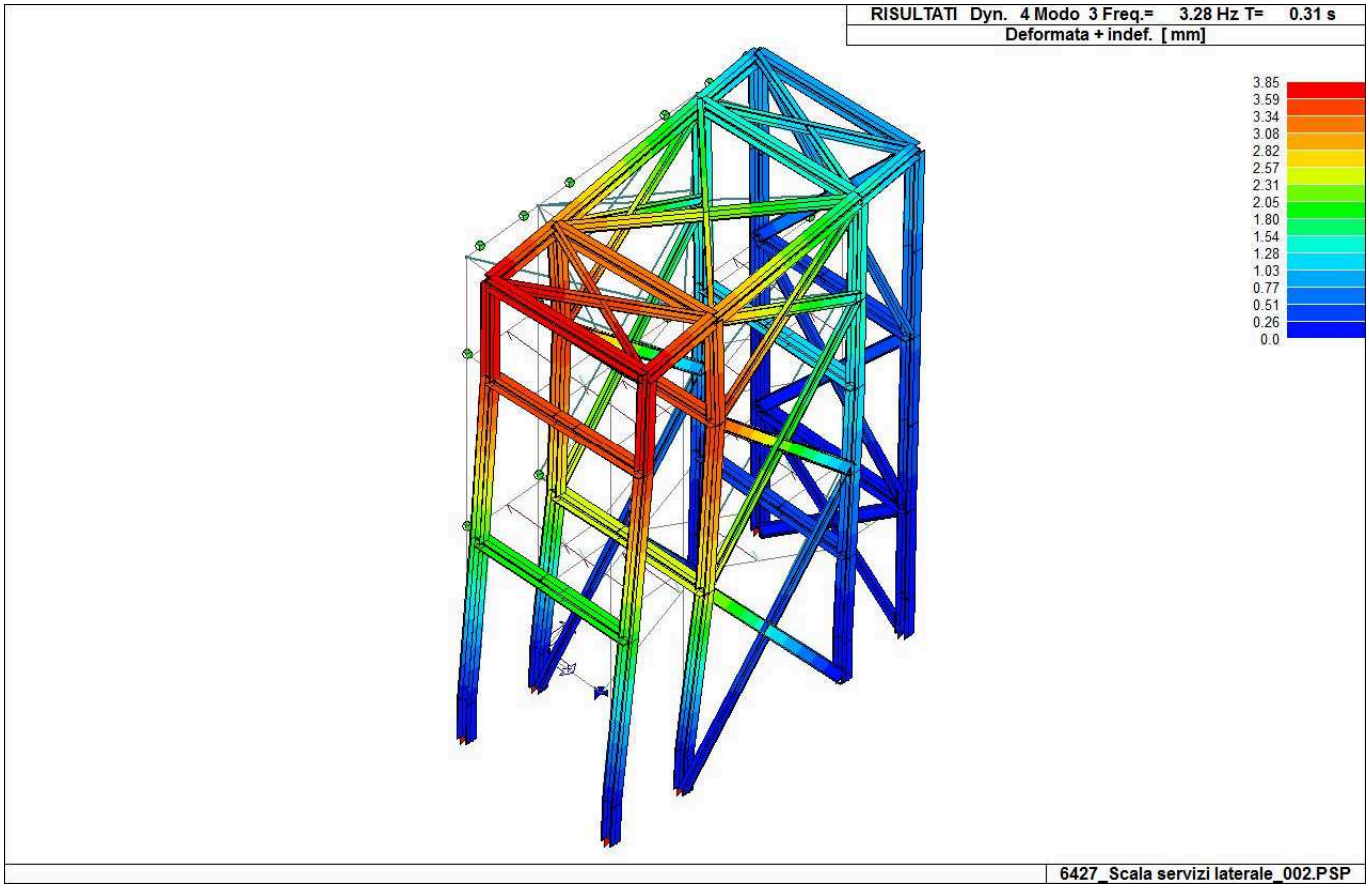


Figura 8: Modo di vibrare direzione X- CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)

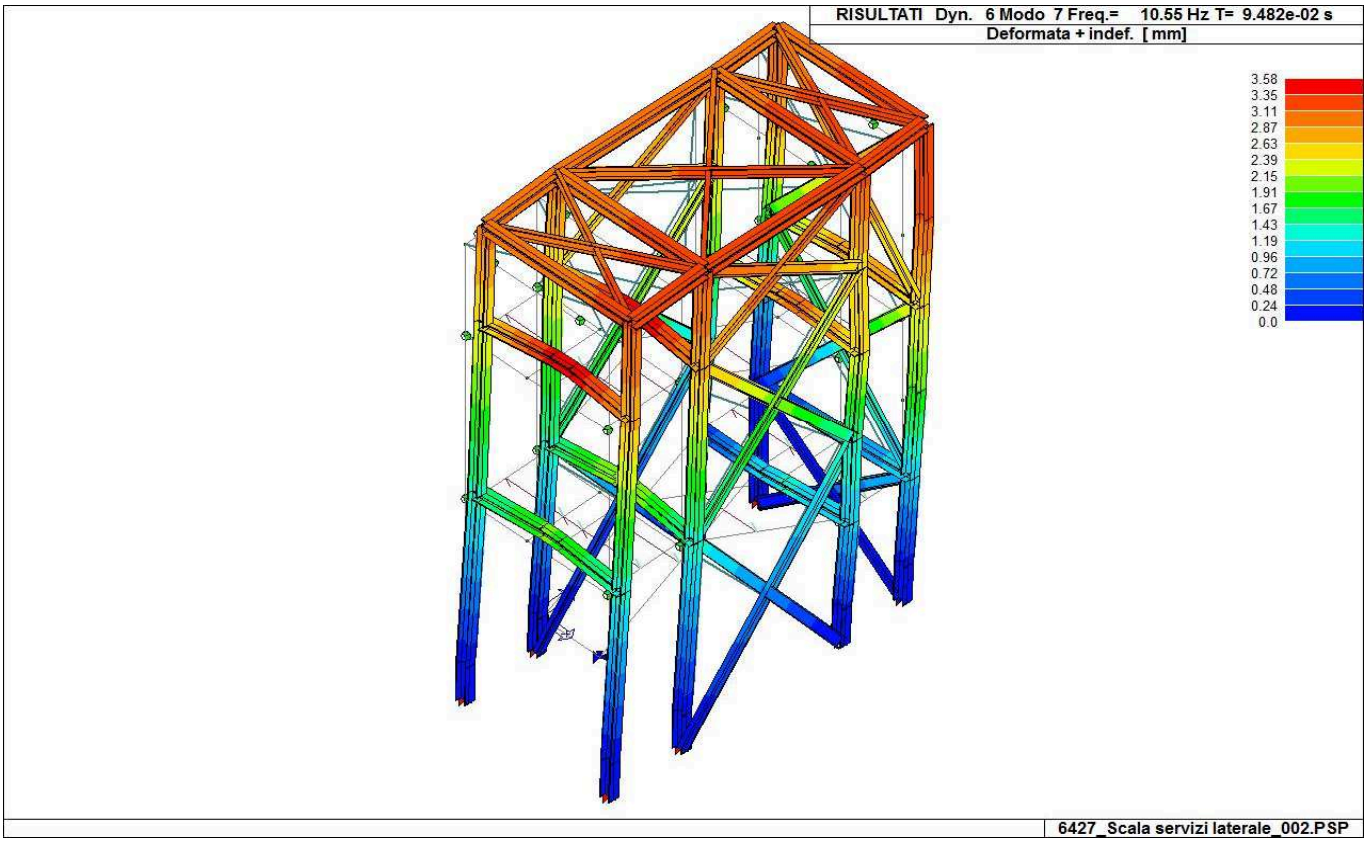


Figura 9: Modo di vibrare direzione Y- CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)

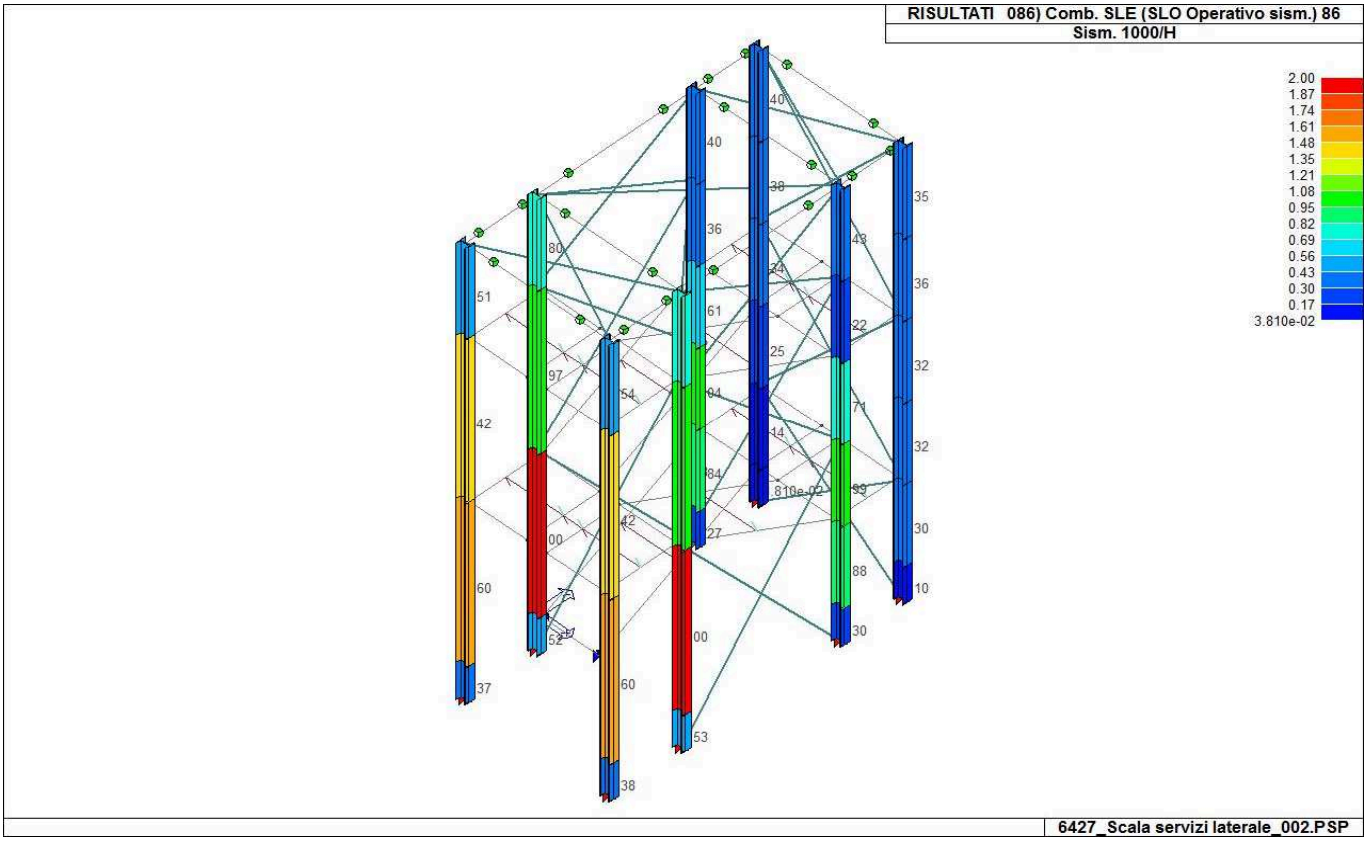


Figura 10: 1000/H- Comb. SLE (SLO Operativo sism.) 86

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	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		mm	mm	mm			
1	1	0.0	0.0	0.0	0.0	0.0	0.0
1	9	0.0	0.0	0.0	0.0	0.0	0.0
1	13	0.0	0.0	0.0	0.0	0.0	0.0
1	17	0.0	0.0	0.0	0.0	0.0	0.0
1	19	0.0	0.0	0.0	0.0	0.0	0.0
1	51	0.0	0.0	0.0	0.0	0.0	0.0
1	83	0.0	0.0	0.0	0.0	0.0	0.0
1	115	0.0	0.0	0.0	0.0	0.0	0.0
2	1	0.0	0.0	0.0	0.0	0.0	0.0
2	9	0.0	0.0	0.0	0.0	0.0	0.0
2	13	0.0	0.0	0.0	0.0	0.0	0.0
2	17	0.0	0.0	0.0	0.0	0.0	0.0
2	19	0.0	0.0	0.0	0.0	0.0	0.0
2	51	0.0	0.0	0.0	0.0	0.0	0.0
2	83	0.0	0.0	0.0	0.0	0.0	0.0
2	115	0.0	0.0	0.0	0.0	0.0	0.0
3	1	0.0	0.0	0.0	0.0	0.0	0.0
3	9	0.0	0.0	0.0	0.0	0.0	0.0
3	13	0.0	0.0	0.0	0.0	0.0	0.0
3	17	0.0	0.0	0.0	0.0	0.0	0.0
3	19	0.0	0.0	0.0	0.0	0.0	0.0
3	51	0.0	0.0	0.0	0.0	0.0	0.0
3	83	0.0	0.0	0.0	0.0	0.0	0.0
3	115	0.0	0.0	0.0	0.0	0.0	0.0
4	1	0.0	0.0	0.0	0.0	0.0	0.0
4	9	0.0	0.0	0.0	0.0	0.0	0.0
4	13	0.0	0.0	0.0	0.0	0.0	0.0
4	17	0.0	0.0	0.0	0.0	0.0	0.0
4	19	0.0	0.0	0.0	0.0	0.0	0.0
4	51	0.0	0.0	0.0	0.0	0.0	0.0
4	83	0.0	0.0	0.0	0.0	0.0	0.0
4	115	0.0	0.0	0.0	0.0	0.0	0.0
5	1	0.0	0.0	0.0	0.0	0.0	0.0
5	9	0.0	0.0	0.0	0.0	0.0	0.0
5	13	0.0	0.0	0.0	0.0	0.0	0.0
5	17	0.0	0.0	0.0	0.0	0.0	0.0
5	19	0.0	0.0	0.0	0.0	0.0	0.0
5	51	0.0	0.0	0.0	0.0	0.0	0.0
5	83	0.0	0.0	0.0	0.0	0.0	0.0
5	115	0.0	0.0	0.0	0.0	0.0	0.0
6	1	0.0	0.0	0.0	0.0	0.0	0.0
6	9	0.0	0.0	0.0	0.0	0.0	0.0
6	13	0.0	0.0	0.0	0.0	0.0	0.0
6	17	0.0	0.0	0.0	0.0	0.0	0.0
6	19	0.0	0.0	0.0	0.0	0.0	0.0
6	51	0.0	0.0	0.0	0.0	0.0	0.0
6	83	0.0	0.0	0.0	0.0	0.0	0.0
6	115	0.0	0.0	0.0	0.0	0.0	0.0
7	2	-0.03	0.60	-1.30	1.23e-03	2.71e-04	-2.11e-05

7	10	-0.02	0.42	-0.90	8.48e-04	1.88e-04	-1.52e-05
7	14	-0.01	0.28	-0.59	5.35e-04	1.21e-04	-7.81e-06
7	18	-0.01	0.22	-0.47	4.08e-04	9.38e-05	-7.99e-06
7	30	-2.51	0.15	-0.40	3.74e-04	-4.54e-05	-2.56e-04
7	35	0.77	0.37	-0.68	4.90e-04	1.79e-04	1.82e-04
7	62	-2.01	0.16	-0.40	3.79e-04	-1.38e-05	-2.01e-04
7	67	0.62	0.35	-0.66	4.82e-04	1.64e-04	1.52e-04
7	94	-1.80	0.17	-0.41	3.82e-04	-1.96e-06	-1.80e-04
7	99	0.55	0.34	-0.64	4.75e-04	1.57e-04	1.36e-04
7	126	-2.89	0.14	-0.39	3.70e-04	-6.74e-05	-2.94e-04
7	131	0.90	0.39	-0.71	5.01e-04	1.92e-04	2.09e-04
8	2	-0.03	0.17	-0.25	7.87e-04	1.25e-03	5.50e-04
8	10	-0.02	0.12	-0.18	5.44e-04	8.66e-04	3.80e-04
8	14	-0.01	0.09	-0.12	3.44e-04	5.67e-04	2.39e-04
8	18	-0.01	0.07	-0.10	2.63e-04	4.42e-04	1.86e-04
8	21	-2.36	0.23	-0.32	2.52e-04	3.16e-04	9.28e-05
8	25	-2.39	0.24	-0.32	2.54e-04	3.13e-04	9.22e-05
8	30	-2.51	0.19	-0.25	2.38e-04	2.42e-04	6.85e-05
8	53	-1.88	0.20	-0.27	2.55e-04	3.54e-04	1.19e-04
8	57	-1.91	0.20	-0.27	2.57e-04	3.52e-04	1.18e-04
8	62	-2.01	0.16	-0.21	2.42e-04	2.82e-04	9.34e-05
8	85	-1.69	0.18	-0.25	2.56e-04	3.65e-04	1.26e-04
8	89	-1.71	0.18	-0.25	2.57e-04	3.62e-04	1.26e-04
8	94	-1.80	0.15	-0.20	2.44e-04	2.99e-04	1.03e-04
8	117	-2.73	0.26	-0.36	2.50e-04	2.91e-04	7.59e-05
8	121	-2.77	0.26	-0.36	2.52e-04	2.89e-04	7.52e-05
8	126	-2.89	0.20	-0.27	2.34e-04	2.11e-04	5.03e-05
9	2	-0.02	0.17	-0.05	4.47e-05	1.69e-04	5.51e-04
9	10	-0.02	0.12	-0.04	2.90e-05	1.22e-04	3.81e-04
9	14	-0.01	0.09	-0.03	-1.35e-05	9.66e-05	2.28e-04
9	18	-9.97e-03	0.07	-0.03	-1.06e-05	8.57e-05	1.77e-04
9	21	-0.35	0.24	-0.19	-2.20e-04	-2.60e-05	9.93e-05
9	25	-0.34	0.24	-0.19	-2.21e-04	-2.40e-05	9.83e-05
9	53	-0.27	0.20	-0.16	-1.71e-04	2.57e-06	1.22e-04
9	57	-0.26	0.20	-0.15	-1.72e-04	4.42e-06	1.21e-04
9	85	-0.24	0.19	-0.14	-1.54e-04	1.19e-05	1.28e-04
9	89	-0.23	0.19	-0.14	-1.55e-04	1.36e-05	1.28e-04
9	117	-0.41	0.27	-0.22	-2.55e-04	-4.57e-05	8.47e-05
9	121	-0.40	0.27	-0.22	-2.56e-04	-4.35e-05	8.37e-05
10	1	0.0	0.0	0.0	-6.74e-04	2.89e-05	5.03e-05
10	9	0.0	0.0	0.0	-5.20e-04	2.31e-05	3.85e-05
10	13	0.0	0.0	0.0	-5.29e-04	2.85e-05	3.72e-05
10	17	0.0	0.0	0.0	-5.29e-04	2.85e-05	3.72e-05
10	19	0.0	0.0	0.0	-1.01e-03	7.58e-04	-7.18e-04
10	51	0.0	0.0	0.0	-1.01e-03	6.04e-04	-5.63e-04
10	83	0.0	0.0	0.0	-1.00e-03	5.45e-04	-4.98e-04
10	115	0.0	0.0	0.0	-1.02e-03	8.73e-04	-8.42e-04
11	2	-0.03	-0.04	-0.22	6.08e-04	-1.27e-03	-5.48e-04
11	5	-0.01	-0.11	-0.07	1.45e-04	-3.15e-04	-2.03e-04
11	10	-0.02	-0.03	-0.15	4.20e-04	-8.82e-04	-3.80e-04
11	11	-8.22e-03	-0.07	-0.05	1.12e-04	-2.44e-04	-1.50e-04
11	14	-0.01	5.84e-03	-0.11	2.67e-04	-5.75e-04	-2.34e-04
11	15	-6.95e-03	-0.02	-0.06	1.12e-04	-2.56e-04	-1.19e-04
11	17	-6.63e-03	-4.40e-03	-0.06	1.13e-04	-2.59e-04	-1.11e-04
11	18	-0.01	1.74e-03	-0.09	2.05e-04	-4.48e-04	-1.85e-04
11	19	2.38	0.78	-0.32	1.35e-04	-3.86e-04	3.20e-04
11	30	-2.51	-0.65	0.11	2.69e-04	-4.90e-04	-6.02e-04
11	51	1.90	0.60	-0.26	1.52e-04	-4.08e-04	1.97e-04
11	62	-2.01	-0.51	0.06	2.53e-04	-4.73e-04	-5.03e-04
11	83	1.70	0.54	-0.25	1.58e-04	-4.14e-04	1.55e-04
11	94	-1.80	-0.45	0.05	2.48e-04	-4.70e-04	-4.68e-04
11	115	2.76	0.91	-0.36	1.23e-04	-3.73e-04	4.06e-04
11	126	-2.89	-0.76	0.14	2.79e-04	-4.99e-04	-6.70e-04
12	2	-0.02	-0.04	-0.03	9.57e-05	-1.86e-04	-6.04e-04
12	5	-4.15e-03	-0.12	-0.03	1.50e-04	-8.99e-05	-2.63e-04
12	10	-0.01	-0.03	-0.03	6.43e-05	-1.33e-04	-4.18e-04
12	11	-3.20e-03	-0.08	-0.02	1.00e-04	-6.97e-05	-1.91e-04
12	14	-7.91e-03	7.39e-03	-0.02	5.04e-06	-1.04e-04	-2.46e-04
12	15	-3.28e-03	-0.02	-0.02	2.31e-05	-7.23e-05	-1.32e-04
12	17	-3.30e-03	-3.64e-03	-0.02	3.78e-06	-7.30e-05	-1.17e-04
12	18	-6.07e-03	2.98e-03	-0.02	4.53e-06	-9.17e-05	-1.94e-04
12	19	0.33	0.78	-0.19	-4.22e-04	-1.09e-06	3.21e-04
12	21	-0.35	-0.63	0.14	3.55e-04	-2.10e-04	-6.87e-04
12	23	0.34	0.77	-0.19	-4.16e-04	1.96e-06	3.02e-04
12	51	0.24	0.60	-0.15	-3.23e-04	-2.51e-05	1.96e-04

12	53	-0.27	-0.47	0.10	2.63e-04	-1.83e-04	-5.66e-04
12	55	0.25	0.59	-0.15	-3.18e-04	-2.23e-05	1.81e-04
12	83	0.22	0.54	-0.13	-2.88e-04	-3.26e-05	1.53e-04
12	85	-0.24	-0.41	0.08	2.34e-04	-1.73e-04	-5.25e-04
12	87	0.22	0.53	-0.14	-2.83e-04	-3.01e-05	1.39e-04
12	115	0.38	0.91	-0.22	-4.93e-04	1.51e-05	4.09e-04
12	117	-0.41	-0.75	0.16	4.17e-04	-2.30e-04	-7.72e-04
12	119	0.39	0.90	-0.22	-4.87e-04	1.85e-05	3.88e-04
13	2	-0.03	0.11	-0.13	-5.87e-05	-2.18e-05	0.0
13	10	-0.02	0.08	-0.09	-4.20e-05	-1.52e-05	0.0
13	14	-0.01	0.07	-0.07	-3.20e-05	-9.78e-06	0.0
13	18	-0.01	0.05	-0.06	-2.79e-05	-7.88e-06	0.0
13	21	-2.36	0.23	-0.29	-4.17e-04	-1.42e-03	0.0
13	25	-2.39	0.23	-0.29	-4.17e-04	-1.43e-03	0.0
13	30	-2.51	0.18	-0.22	-3.08e-04	-1.50e-03	0.0
13	53	-1.88	0.19	-0.23	-3.25e-04	-1.12e-03	0.0
13	57	-1.91	0.19	-0.23	-3.25e-04	-1.14e-03	0.0
13	62	-2.01	0.15	-0.18	-2.38e-04	-1.19e-03	0.0
13	85	-1.69	0.17	-0.21	-2.92e-04	-1.01e-03	0.0
13	89	-1.71	0.17	-0.21	-2.92e-04	-1.02e-03	0.0
13	94	-1.80	0.14	-0.17	-2.14e-04	-1.07e-03	0.0
13	117	-2.73	0.26	-0.33	-4.82e-04	-1.64e-03	0.0
13	121	-2.77	0.26	-0.33	-4.83e-04	-1.66e-03	0.0
13	126	-2.89	0.20	-0.25	-3.54e-04	-1.73e-03	0.0
14	2	-0.03	-0.09	-0.09	-2.53e-05	-2.18e-05	0.0
14	6	-0.02	-0.13	-0.07	-2.11e-05	-1.82e-05	0.0
14	10	-0.02	-0.06	-0.06	-1.88e-05	-1.52e-05	0.0
14	12	-0.02	-0.09	-0.05	-1.60e-05	-1.28e-05	0.0
14	14	-0.01	-0.02	-0.05	-1.72e-05	-9.78e-06	0.0
14	16	-0.01	-0.03	-0.04	-1.55e-05	-8.10e-06	0.0
14	18	-0.01	-0.02	-0.04	-1.60e-05	-7.87e-06	0.0
14	19	2.38	0.81	-0.28	-3.12e-04	1.42e-03	0.0
14	22	-2.40	-0.85	0.20	2.80e-04	-1.44e-03	0.0
14	30	-2.51	-0.71	0.16	2.31e-04	-1.50e-03	0.0
14	51	1.90	0.62	-0.22	-2.43e-04	1.13e-03	0.0
14	54	-1.92	-0.66	0.14	2.11e-04	-1.14e-03	0.0
14	62	-2.01	-0.56	0.11	1.75e-04	-1.19e-03	0.0
14	83	1.70	0.55	-0.20	-2.18e-04	1.01e-03	0.0
14	86	-1.72	-0.59	0.12	1.86e-04	-1.02e-03	0.0
14	94	-1.80	-0.50	0.10	1.54e-04	-1.07e-03	0.0
14	115	2.76	0.95	-0.32	-3.63e-04	1.65e-03	0.0
14	118	-2.78	-0.99	0.24	3.30e-04	-1.67e-03	0.0
14	126	-2.89	-0.82	0.19	2.71e-04	-1.73e-03	0.0
15	2	-0.02	0.11	-0.04	4.29e-05	-1.40e-05	0.0
15	10	-0.02	0.08	-0.03	2.77e-05	-9.83e-06	0.0
15	14	-0.01	0.07	-0.02	-1.41e-05	-6.87e-06	0.0
15	18	-0.01	0.06	-0.02	-1.11e-05	-5.67e-06	0.0
15	21	-0.35	0.23	-0.20	-2.40e-04	-2.21e-04	0.0
15	25	-0.34	0.23	-0.20	-2.42e-04	-2.14e-04	0.0
15	53	-0.27	0.19	-0.16	-1.87e-04	-1.69e-04	0.0
15	57	-0.26	0.19	-0.15	-1.88e-04	-1.63e-04	0.0
15	85	-0.24	0.17	-0.14	-1.68e-04	-1.51e-04	0.0
15	89	-0.23	0.17	-0.14	-1.69e-04	-1.46e-04	0.0
15	117	-0.41	0.26	-0.23	-2.79e-04	-2.57e-04	0.0
15	121	-0.40	0.26	-0.22	-2.81e-04	-2.50e-04	0.0
16	1	-4.03e-03	-0.09	-0.02	9.29e-05	-3.33e-06	0.0
16	2	-0.02	-0.10	-0.02	9.75e-05	-1.21e-05	0.0
16	6	-0.01	-0.15	-0.02	1.54e-04	-9.43e-06	0.0
16	9	-3.11e-03	-0.07	-0.01	6.25e-05	-2.57e-06	0.0
16	10	-0.01	-0.07	-0.01	6.56e-05	-8.41e-06	0.0
16	12	-9.51e-03	-0.10	-0.01	1.04e-04	-6.64e-06	0.0
16	13	-3.17e-03	-0.02	-0.01	4.14e-06	-2.61e-06	0.0
16	14	-7.77e-03	-0.02	-0.01	5.70e-06	-5.53e-06	0.0
16	16	-5.91e-03	-0.03	-0.01	2.45e-05	-4.35e-06	0.0
16	17	-3.17e-03	-0.02	-0.01	4.14e-06	-2.61e-06	0.0
16	18	-5.93e-03	-0.02	-0.01	5.07e-06	-4.36e-06	0.0
16	19	0.33	0.81	-0.19	-4.43e-04	2.02e-04	0.0
16	21	-0.35	-0.70	0.16	3.75e-04	-2.19e-04	0.0
16	22	-0.34	-0.85	0.16	4.53e-04	-2.11e-04	0.0
16	51	0.24	0.62	-0.15	-3.39e-04	1.52e-04	0.0
16	53	-0.27	-0.52	0.11	2.79e-04	-1.67e-04	0.0
16	54	-0.26	-0.65	0.12	3.49e-04	-1.60e-04	0.0
16	83	0.22	0.55	-0.13	-3.01e-04	1.34e-04	0.0
16	85	-0.24	-0.47	0.10	2.48e-04	-1.50e-04	0.0
16	86	-0.23	-0.58	0.10	3.12e-04	-1.43e-04	0.0

16	115	0.38	0.95	-0.22	-5.18e-04	2.38e-04	0.0
16	117	-0.41	-0.82	0.18	4.41e-04	-2.56e-04	0.0
16	118	-0.39	-0.99	0.19	5.28e-04	-2.47e-04	0.0
17	2	-3.88e-03	-0.06	-0.17	-5.10e-05	-2.51e-04	-1.77e-06
17	6	-0.01	-0.08	-0.14	-3.64e-05	-2.04e-04	-1.13e-06
17	7	-0.02	-0.07	-0.06	-5.20e-06	-6.76e-05	0.0
17	10	-1.97e-03	-0.05	-0.12	-3.56e-05	-1.75e-04	-1.26e-06
17	11	-9.10e-03	-0.05	-0.06	-7.46e-06	-6.47e-05	0.0
17	12	-7.94e-03	-0.06	-0.10	-2.59e-05	-1.44e-04	0.0
17	14	5.42e-03	-0.03	-0.08	-2.51e-05	-1.15e-04	-1.05e-06
17	16	2.35e-03	-0.03	-0.07	-1.90e-05	-9.40e-05	0.0
17	18	5.09e-03	-0.02	-0.07	-1.99e-05	-9.28e-05	0.0
17	19	11.27	-1.13	-0.43	3.23e-04	2.87e-03	-0.01
17	24	11.22	-1.32	-0.48	3.71e-04	2.86e-03	0.02
17	51	8.52	-0.84	-0.34	2.36e-04	2.14e-03	-6.66e-03
17	56	8.48	-1.02	-0.38	2.79e-04	2.14e-03	0.01
17	83	7.58	-0.75	-0.31	2.07e-04	1.90e-03	-5.78e-03
17	88	7.54	-0.91	-0.35	2.46e-04	1.89e-03	9.09e-03
17	115	13.22	-1.32	-0.49	3.83e-04	3.38e-03	-0.01
17	120	13.15	-1.54	-0.54	4.37e-04	3.36e-03	0.02
18	2	-4.81e-03	-0.18	-0.21	-2.81e-06	-7.28e-05	0.0
18	6	-0.01	-0.19	-0.17	6.91e-06	-6.19e-05	0.0
18	7	-0.02	-0.13	-0.07	1.47e-05	-2.41e-05	0.0
18	10	-2.62e-03	-0.13	-0.15	-2.10e-06	-5.06e-05	0.0
18	11	-9.32e-03	-0.10	-0.07	9.27e-06	-2.12e-05	0.0
18	12	-8.47e-03	-0.14	-0.12	4.38e-06	-4.34e-05	0.0
18	14	4.98e-03	-0.07	-0.10	-5.19e-06	-3.14e-05	0.0
18	16	2.00e-03	-0.07	-0.09	-1.60e-06	-2.62e-05	0.0
18	18	4.74e-03	-0.06	-0.09	-3.80e-06	-2.50e-05	0.0
18	19	11.27	1.15	0.30	-4.09e-04	2.92e-03	0.0
18	22	-11.26	-1.27	-0.48	4.01e-04	-2.97e-03	0.0
18	51	8.52	0.87	0.21	-3.14e-04	2.20e-03	0.0
18	54	-8.51	-0.98	-0.38	3.06e-04	-2.25e-03	0.0
18	83	7.58	0.77	0.18	-2.80e-04	1.96e-03	0.0
18	86	-7.57	-0.88	-0.35	2.72e-04	-2.01e-03	0.0
18	115	13.21	1.35	0.37	-4.77e-04	3.43e-03	0.0
18	118	-13.20	-1.47	-0.54	4.69e-04	-3.48e-03	0.0
19	2	-0.02	0.59	-0.20	6.66e-05	3.33e-05	3.66e-06
19	10	-0.01	0.41	-0.14	4.41e-05	2.39e-05	2.08e-06
19	14	-0.01	0.27	-0.11	-5.53e-06	1.87e-05	4.20e-06
19	18	-8.29e-03	0.21	-0.10	-4.11e-06	1.65e-05	1.44e-06
19	21	-0.35	0.23	-0.13	2.66e-05	-9.92e-05	-2.30e-04
19	35	0.07	0.37	-0.14	-1.09e-04	5.81e-05	1.80e-04
19	37	-0.13	0.35	-0.15	-7.43e-05	-1.25e-05	2.35e-05
19	53	-0.27	0.23	-0.12	1.52e-05	-7.09e-05	-1.69e-04
19	67	0.05	0.35	-0.14	-9.62e-05	4.85e-05	1.52e-04
19	69	-0.10	0.34	-0.14	-7.03e-05	-4.93e-06	3.31e-05
19	85	-0.24	0.23	-0.12	1.27e-05	-6.13e-05	-1.49e-04
19	99	0.04	0.34	-0.13	-8.71e-05	4.50e-05	1.36e-04
19	101	-0.09	0.33	-0.14	-6.41e-05	-2.51e-06	3.09e-05
19	117	-0.41	0.23	-0.13	3.32e-05	-1.19e-04	-2.71e-04
19	131	0.09	0.39	-0.14	-1.22e-04	6.51e-05	2.06e-04
19	133	-0.15	0.37	-0.15	-8.22e-05	-1.76e-05	2.25e-05
20	2	-4.78e-03	-0.15	-0.39	-5.98e-04	-1.83e-03	-3.55e-04
20	6	-0.01	-0.17	-0.32	-4.63e-04	-1.43e-03	-2.79e-04
20	7	-0.02	-0.12	-0.11	-1.12e-04	-3.76e-04	-8.00e-05
20	10	-2.60e-03	-0.10	-0.27	-4.14e-04	-1.27e-03	-2.48e-04
20	11	-9.32e-03	-0.09	-0.11	-1.11e-04	-3.75e-04	-8.16e-05
20	12	-8.45e-03	-0.12	-0.23	-3.23e-04	-1.00e-03	-1.97e-04
20	14	5.00e-03	-0.05	-0.18	-2.62e-04	-8.22e-04	-1.67e-04
20	16	2.01e-03	-0.06	-0.15	-2.01e-04	-6.43e-04	-1.34e-04
20	18	4.75e-03	-0.04	-0.15	-2.01e-04	-6.43e-04	-1.34e-04
20	19	11.27	1.10	0.22	-1.54e-04	-8.47e-04	5.24e-04
20	22	-11.26	-1.19	-0.52	-2.48e-04	-4.40e-04	-7.93e-04
20	51	8.52	0.83	0.13	-1.66e-04	-7.91e-04	3.57e-04
20	54	-8.51	-0.92	-0.43	-2.37e-04	-4.95e-04	-6.26e-04
20	83	7.58	0.74	0.10	-1.69e-04	-7.75e-04	3.02e-04
20	86	-7.57	-0.83	-0.40	-2.33e-04	-5.12e-04	-5.71e-04
20	115	13.21	1.29	0.28	-1.46e-04	-8.83e-04	6.40e-04
20	118	-13.20	-1.38	-0.58	-2.56e-04	-4.03e-04	-9.08e-04
21	1	0.0	0.0	0.0	-5.16e-04	2.97e-04	1.76e-04
21	9	0.0	0.0	0.0	-3.98e-04	2.29e-04	1.37e-04
21	13	0.0	0.0	0.0	-4.02e-04	2.32e-04	1.46e-04
21	17	0.0	0.0	0.0	-4.02e-04	2.32e-04	1.46e-04
21	19	0.0	0.0	0.0	-6.49e-04	1.06e-03	-4.83e-04

21	51	0.0	0.0	0.0	-6.71e-04	9.24e-04	-3.36e-04
21	83	0.0	0.0	0.0	-6.78e-04	8.69e-04	-2.75e-04
21	115	0.0	0.0	0.0	-6.34e-04	1.17e-03	-5.99e-04
22	2	-0.03	0.53	-1.29	1.24e-03	-2.83e-04	-3.04e-04
22	10	-0.02	0.37	-0.90	8.56e-04	-1.96e-04	-2.11e-04
22	14	-0.01	0.25	-0.59	5.42e-04	-1.29e-04	-1.29e-04
22	18	-0.01	0.19	-0.47	4.16e-04	-1.00e-04	-1.03e-04
22	30	-2.51	0.01	-0.35	4.07e-04	-2.01e-04	-4.41e-04
22	35	0.77	0.43	-0.70	4.50e-04	-1.02e-04	1.07e-04
22	62	-2.01	0.05	-0.37	4.08e-04	-1.75e-04	-3.65e-04
22	67	0.62	0.40	-0.67	4.46e-04	-1.08e-04	6.98e-05
22	94	-1.80	0.06	-0.38	4.09e-04	-1.66e-04	-3.36e-04
22	99	0.55	0.38	-0.65	4.43e-04	-1.08e-04	5.18e-05
22	126	-2.89	-0.02	-0.33	4.06e-04	-2.17e-04	-4.95e-04
22	131	0.90	0.46	-0.73	4.54e-04	-1.01e-04	1.38e-04
23	2	-0.02	0.54	-0.19	7.39e-05	-4.58e-05	-2.65e-04
23	10	-0.01	0.37	-0.14	4.92e-05	-3.27e-05	-1.84e-04
23	14	-9.63e-03	0.25	-0.11	-2.89e-06	-2.48e-05	-1.14e-04
23	18	-7.74e-03	0.20	-0.10	-1.95e-06	-2.15e-05	-9.10e-05
23	21	-0.35	0.10	-0.08	1.09e-04	-1.40e-04	-4.31e-04
23	35	0.07	0.43	-0.15	-1.41e-04	-1.93e-06	1.04e-04
23	43	0.11	0.41	-0.15	-1.32e-04	6.92e-06	8.84e-05
23	53	-0.27	0.13	-0.09	7.72e-05	-1.12e-04	-3.44e-04
23	67	0.05	0.40	-0.14	-1.22e-04	-8.75e-06	6.90e-05
23	75	0.08	0.39	-0.14	-1.13e-04	0.0	5.48e-05
23	85	-0.24	0.14	-0.09	6.81e-05	-1.02e-04	-3.16e-04
23	99	0.04	0.38	-0.14	-1.10e-04	-1.03e-05	5.24e-05
23	107	0.07	0.37	-0.14	-1.02e-04	-3.04e-06	3.96e-05
23	117	-0.41	0.08	-0.08	1.29e-04	-1.60e-04	-4.91e-04
23	131	0.09	0.46	-0.16	-1.60e-04	2.09e-06	1.34e-04
23	139	0.12	0.44	-0.16	-1.50e-04	1.20e-05	1.16e-04
24	2	-4.41e-03	0.14	-1.95	-1.14e-03	-4.01e-04	-5.89e-05
24	7	-0.02	-0.04	-0.43	-2.06e-04	-8.35e-05	-3.12e-05
24	10	-2.34e-03	0.10	-1.35	-7.89e-04	-2.78e-04	-4.08e-05
24	11	-9.23e-03	-0.02	-0.43	-2.07e-04	-8.23e-05	-2.47e-05
24	14	5.17e-03	0.07	-0.88	-5.00e-04	-1.78e-04	-2.24e-05
24	18	4.89e-03	0.06	-0.69	-3.84e-04	-1.39e-04	-1.81e-05
24	19	11.28	0.39	-0.59	-3.85e-04	-3.75e-04	7.03e-04
24	35	3.73	0.55	-0.48	-3.96e-04	-1.80e-04	1.38e-04
24	38	-3.73	-0.43	-0.90	-3.71e-04	-9.72e-05	-1.75e-04
24	51	8.52	0.33	-0.60	-3.85e-04	-3.16e-04	5.24e-04
24	67	2.83	0.49	-0.51	-3.94e-04	-1.66e-04	9.14e-05
24	70	-2.82	-0.38	-0.88	-3.73e-04	-1.12e-04	-1.28e-04
24	83	7.58	0.30	-0.61	-3.85e-04	-2.96e-04	4.64e-04
24	99	2.52	0.45	-0.53	-3.93e-04	-1.62e-04	7.85e-05
24	102	-2.51	-0.34	-0.86	-3.75e-04	-1.15e-04	-1.15e-04
24	115	13.22	0.44	-0.57	-3.85e-04	-4.16e-04	8.28e-04
24	131	4.37	0.61	-0.46	-3.99e-04	-1.89e-04	1.68e-04
24	134	-4.36	-0.50	-0.93	-3.69e-04	-8.86e-05	-2.04e-04
25	2	-4.28e-03	0.14	-1.94	-1.21e-03	4.29e-04	5.81e-05
25	7	-0.02	-0.03	-0.43	-2.28e-04	8.75e-05	4.44e-06
25	10	-2.25e-03	0.09	-1.35	-8.34e-04	2.98e-04	4.06e-05
25	11	-9.19e-03	-0.01	-0.42	-2.27e-04	8.75e-05	7.60e-06
25	14	5.23e-03	0.07	-0.88	-5.30e-04	1.92e-04	2.91e-05
25	18	4.94e-03	0.05	-0.69	-4.09e-04	1.50e-04	2.30e-05
25	19	11.28	0.09	-0.68	-4.12e-04	-1.06e-04	8.31e-04
25	36	2.97	-0.42	-0.90	-4.25e-04	1.04e-04	2.33e-04
25	37	-2.96	0.53	-0.48	-3.92e-04	1.97e-04	-1.87e-04
25	51	8.52	0.10	-0.68	-4.11e-04	-4.46e-05	6.34e-04
25	68	2.24	-0.37	-0.88	-4.23e-04	1.19e-04	1.81e-04
25	69	-2.23	0.48	-0.50	-3.94e-04	1.82e-04	-1.35e-04
25	83	7.58	0.10	-0.68	-4.11e-04	-2.31e-05	5.66e-04
25	100	1.99	-0.33	-0.86	-4.22e-04	1.23e-04	1.63e-04
25	101	-1.98	0.44	-0.52	-3.96e-04	1.78e-04	-1.17e-04
25	115	13.22	0.09	-0.68	-4.13e-04	-1.50e-04	9.70e-04
25	132	3.48	-0.48	-0.93	-4.27e-04	9.49e-05	2.69e-04
25	133	-3.47	0.59	-0.46	-3.90e-04	2.06e-04	-2.23e-04
26	2	-3.91e-03	-0.04	-0.35	-4.53e-04	1.86e-03	2.13e-04
26	5	-0.01	-0.07	-0.13	-1.21e-04	5.02e-04	4.72e-05
26	7	-0.02	-0.06	-0.10	-9.29e-05	3.89e-04	3.05e-05
26	10	-1.99e-03	-0.03	-0.25	-3.15e-04	1.29e-03	1.50e-04
26	11	-9.10e-03	-0.05	-0.10	-9.31e-05	3.85e-04	3.89e-05
26	14	5.41e-03	-0.01	-0.17	-2.04e-04	8.32e-04	1.08e-04
26	15	1.85e-03	-0.02	-0.09	-9.34e-05	3.79e-04	5.25e-05
26	17	4.59e-03	-0.02	-0.09	-9.35e-05	3.78e-04	5.59e-05

26	18	5.08e-03	-0.02	-0.14	-1.60e-04	6.50e-04	8.71e-05
26	19	11.28	-1.03	-0.46	-1.79e-04	3.59e-04	9.82e-04
26	24	11.22	-1.23	-0.52	-1.80e-04	4.33e-04	8.72e-04
26	51	8.52	-0.77	-0.38	-1.74e-04	4.25e-04	7.72e-04
26	56	8.48	-0.95	-0.43	-1.75e-04	4.91e-04	6.73e-04
26	83	7.58	-0.68	-0.35	-1.73e-04	4.49e-04	6.97e-04
26	88	7.54	-0.85	-0.40	-1.74e-04	5.09e-04	6.07e-04
26	115	13.22	-1.21	-0.52	-1.82e-04	3.10e-04	1.13e-03
26	120	13.15	-1.43	-0.58	-1.84e-04	3.94e-04	1.01e-03
27	1	0.0	0.0	0.0	0.0	0.0	0.0
27	9	0.0	0.0	0.0	0.0	0.0	0.0
27	13	0.0	0.0	0.0	0.0	0.0	0.0
27	17	0.0	0.0	0.0	0.0	0.0	0.0
27	19	0.0	0.0	0.0	0.0	0.0	0.0
27	51	0.0	0.0	0.0	0.0	0.0	0.0
27	83	0.0	0.0	0.0	0.0	0.0	0.0
27	115	0.0	0.0	0.0	0.0	0.0	0.0
28	1	0.0	0.0	0.0	0.0	0.0	0.0
28	9	0.0	0.0	0.0	0.0	0.0	0.0
28	13	0.0	0.0	0.0	0.0	0.0	0.0
28	17	0.0	0.0	0.0	0.0	0.0	0.0
28	19	0.0	0.0	0.0	0.0	0.0	0.0
28	51	0.0	0.0	0.0	0.0	0.0	0.0
28	83	0.0	0.0	0.0	0.0	0.0	0.0
28	115	0.0	0.0	0.0	0.0	0.0	0.0
29	2	-0.05	-0.06	-0.10	-2.75e-05	-2.73e-04	1.77e-06
29	6	-0.05	-0.08	-0.09	-1.79e-05	-2.23e-04	1.13e-06
29	10	-0.04	-0.04	-0.07	-1.93e-05	-1.91e-04	1.26e-06
29	12	-0.04	-0.05	-0.06	-1.29e-05	-1.57e-04	0.0
29	14	-0.01	-0.02	-0.06	-1.47e-05	-1.25e-04	1.05e-06
29	16	-0.01	-0.03	-0.05	-1.07e-05	-1.02e-04	0.0
29	18	-0.01	-0.02	-0.05	-1.17e-05	-1.00e-04	0.0
29	22	-8.94	1.08	-0.05	-3.74e-04	-2.85e-03	0.01
29	24	8.87	-1.32	-0.05	4.03e-04	2.64e-03	0.02
29	44	2.82	-0.72	-0.05	1.93e-04	7.64e-04	0.05
29	54	-6.76	0.80	-0.05	-2.82e-04	-2.18e-03	8.17e-03
29	56	6.70	-1.02	-0.05	3.06e-04	1.97e-03	8.97e-03
29	76	2.13	-0.60	-0.05	1.56e-04	5.53e-04	0.03
29	86	-6.02	0.70	-0.05	-2.52e-04	-1.95e-03	7.12e-03
29	88	5.96	-0.91	-0.05	2.71e-04	1.74e-03	7.75e-03
29	108	1.89	-0.54	-0.05	1.39e-04	4.81e-04	0.03
29	118	-10.48	1.27	-0.05	-4.38e-04	-3.32e-03	0.02
29	120	10.40	-1.54	-0.05	4.73e-04	3.11e-03	0.02
29	140	3.30	-0.83	-0.05	2.24e-04	9.12e-04	0.07
30	2	-0.05	-0.17	-0.05	2.48e-05	-9.51e-05	0.0
30	6	-0.06	-0.19	-0.05	2.90e-05	-8.11e-05	0.0
30	10	-0.04	-0.12	-0.04	1.70e-05	-6.61e-05	0.0
30	12	-0.04	-0.13	-0.04	1.98e-05	-5.67e-05	0.0
30	14	-0.02	-0.06	-0.03	6.54e-06	-4.09e-05	0.0
30	16	-0.02	-0.07	-0.03	7.61e-06	-3.42e-05	0.0
30	18	-0.01	-0.05	-0.03	5.23e-06	-3.27e-05	0.0
30	22	-8.94	-1.26	-0.04	4.31e-04	-2.77e-03	0.0
30	54	-6.76	-0.98	-0.03	3.31e-04	-2.10e-03	0.0
30	86	-6.02	-0.88	-0.03	2.96e-04	-1.87e-03	0.0
30	118	-10.48	-1.46	-0.04	5.02e-04	-3.24e-03	0.0
31	2	-0.05	-0.14	-0.09	2.31e-05	-3.85e-04	-3.03e-04
31	6	-0.06	-0.16	-0.08	2.74e-05	-3.15e-04	-2.50e-04
31	10	-0.04	-0.10	-0.07	1.58e-05	-2.71e-04	-2.11e-04
31	12	-0.04	-0.11	-0.06	1.87e-05	-2.24e-04	-1.76e-04
31	14	-0.02	-0.05	-0.05	5.83e-06	-1.90e-04	-1.36e-04
31	16	-0.02	-0.06	-0.05	7.00e-06	-1.59e-04	-1.11e-04
31	18	-0.01	-0.04	-0.05	4.66e-06	-1.58e-04	-1.09e-04
31	22	-8.94	-1.19	-0.05	4.04e-04	-1.71e-04	-7.49e-04
31	38	-2.99	-0.67	-0.05	2.18e-04	-1.97e-04	-1.88e-04
31	54	-6.76	-0.92	-0.05	3.11e-04	-1.70e-04	-5.87e-04
31	70	-2.27	-0.57	-0.05	1.82e-04	-1.94e-04	-1.51e-04
31	86	-6.02	-0.83	-0.05	2.77e-04	-1.69e-04	-5.34e-04
31	102	-2.02	-0.51	-0.05	1.63e-04	-1.90e-04	-1.45e-04
31	118	-10.48	-1.38	-0.05	4.71e-04	-1.73e-04	-8.61e-04
31	134	-3.50	-0.77	-0.05	2.50e-04	-2.02e-04	-2.07e-04
32	2	-0.05	0.13	-0.43	2.13e-06	-1.01e-04	-7.79e-05
32	6	-0.05	0.06	-0.35	8.67e-06	-8.15e-05	-7.01e-05
32	10	-0.04	0.09	-0.30	1.25e-06	-7.09e-05	-5.42e-05
32	12	-0.04	0.05	-0.25	5.61e-06	-5.79e-05	-4.89e-05
32	14	-0.02	0.07	-0.22	-2.64e-06	-4.86e-05	-3.24e-05

32	18	-0.01	0.05	-0.18	-2.09e-06	-3.98e-05	-2.61e-05
32	22	-8.94	-0.28	-0.20	8.16e-05	-3.87e-05	-7.55e-04
32	35	2.97	0.55	-0.14	-1.14e-04	-3.23e-05	1.38e-04
32	38	-2.99	-0.44	-0.22	1.10e-04	-4.73e-05	-1.90e-04
32	54	-6.76	-0.22	-0.20	6.55e-05	-3.94e-05	-5.75e-04
32	67	2.25	0.49	-0.15	-1.01e-04	-3.28e-05	9.00e-05
32	70	-2.27	-0.38	-0.22	9.69e-05	-4.68e-05	-1.42e-04
32	86	-6.02	-0.19	-0.19	5.84e-05	-3.94e-05	-5.14e-04
32	99	2.00	0.45	-0.15	-9.14e-05	-3.35e-05	7.65e-05
32	102	-2.02	-0.34	-0.22	8.72e-05	-4.61e-05	-1.29e-04
32	118	-10.48	-0.33	-0.20	9.46e-05	-3.84e-05	-8.82e-04
32	131	3.48	0.61	-0.14	-1.28e-04	-3.14e-05	1.69e-04
32	134	-3.50	-0.50	-0.23	1.24e-04	-4.82e-05	-2.21e-04
33	2	-0.05	0.14	-0.43	-4.84e-06	6.39e-05	4.79e-05
33	6	-0.05	0.07	-0.36	2.42e-06	5.26e-05	3.08e-05
33	10	-0.04	0.09	-0.31	-3.58e-06	4.52e-05	3.36e-05
33	12	-0.04	0.05	-0.26	1.26e-06	3.76e-05	2.22e-05
33	14	-0.02	0.07	-0.22	-5.47e-06	3.19e-05	2.58e-05
33	18	-0.01	0.05	-0.19	-4.34e-06	2.67e-05	2.05e-05
33	22	-8.94	0.02	-0.20	-2.58e-05	3.33e-05	-7.83e-04
33	37	-2.33	0.53	-0.15	-1.12e-04	1.86e-05	-1.87e-04
33	42	-2.24	-0.36	-0.22	7.64e-05	3.69e-05	-2.06e-04
33	54	-6.76	0.01	-0.20	-1.63e-05	3.21e-05	-5.87e-04
33	69	-1.75	0.48	-0.15	-9.98e-05	1.92e-05	-1.35e-04
33	74	-1.72	-0.33	-0.22	7.07e-05	3.58e-05	-1.53e-04
33	86	-6.02	0.01	-0.20	-1.46e-05	3.16e-05	-5.20e-04
33	101	-1.56	0.44	-0.15	-9.04e-05	1.99e-05	-1.18e-04
33	106	-1.53	-0.29	-0.22	6.36e-05	3.50e-05	-1.34e-04
33	118	-10.48	0.02	-0.20	-3.08e-05	3.43e-05	-9.21e-04
33	133	-2.73	0.58	-0.14	-1.26e-04	1.76e-05	-2.23e-04
33	138	-2.60	-0.41	-0.23	8.58e-05	3.82e-05	-2.43e-04
34	2	-0.05	-0.04	-0.14	-2.58e-05	3.62e-04	1.96e-04
34	5	-0.03	-0.07	-0.06	-1.35e-06	1.39e-04	5.09e-05
34	6	-0.05	-0.06	-0.12	-1.63e-05	2.96e-04	1.49e-04
34	10	-0.04	-0.03	-0.10	-1.81e-05	2.55e-04	1.37e-04
34	11	-0.02	-0.05	-0.05	-1.81e-06	1.06e-04	4.03e-05
34	12	-0.04	-0.04	-0.08	-1.18e-05	2.11e-04	1.06e-04
34	14	-0.01	-0.01	-0.07	-1.39e-05	1.79e-04	9.48e-05
34	15	-9.30e-03	-0.02	-0.05	-5.81e-06	1.05e-04	4.64e-05
34	17	-5.64e-03	-0.02	-0.05	-6.81e-06	1.04e-04	4.79e-05
34	18	-0.01	-0.01	-0.06	-1.11e-05	1.49e-04	7.60e-05
34	22	-8.94	1.00	-0.06	-3.48e-04	1.59e-04	-8.30e-04
34	24	8.87	-1.23	-0.07	3.78e-04	1.62e-04	9.07e-04
34	44	2.82	-0.70	-0.07	1.86e-04	1.88e-04	2.25e-04
34	54	-6.76	0.73	-0.06	-2.61e-04	1.59e-04	-6.15e-04
34	56	6.70	-0.95	-0.07	2.87e-04	1.60e-04	6.99e-04
34	76	2.13	-0.58	-0.07	1.51e-04	1.84e-04	1.74e-04
34	86	-6.02	0.65	-0.06	-2.33e-04	1.58e-04	-5.39e-04
34	88	5.96	-0.85	-0.07	2.54e-04	1.59e-04	6.30e-04
34	108	1.89	-0.52	-0.07	1.34e-04	1.81e-04	1.61e-04
34	118	-10.48	1.18	-0.06	-4.07e-04	1.61e-04	-9.84e-04
34	120	10.40	-1.43	-0.07	4.43e-04	1.63e-04	1.05e-03
34	140	3.30	-0.80	-0.07	2.16e-04	1.93e-04	2.56e-04
35	1	-0.02	-0.09	-0.04	-1.25e-04	-6.51e-06	0.0
35	2	-0.08	-0.14	-0.03	-1.03e-04	-1.93e-05	0.0
35	6	-0.06	-0.17	-0.03	-1.96e-04	-1.54e-05	0.0
35	9	-0.02	-0.06	-0.03	-8.32e-05	-5.01e-06	0.0
35	10	-0.05	-0.10	-0.02	-6.85e-05	-1.35e-05	0.0
35	12	-0.04	-0.12	-0.02	-1.30e-04	-1.09e-05	0.0
35	13	-0.02	-0.01	-0.03	3.12e-06	-5.07e-06	0.0
35	14	-0.04	-0.03	-0.03	1.05e-05	-9.32e-06	0.0
35	16	-0.03	-0.04	-0.03	-2.12e-05	-7.60e-06	0.0
35	17	-0.02	-0.01	-0.03	3.12e-06	-5.07e-06	0.0
35	18	-0.03	-0.02	-0.03	7.56e-06	-7.62e-06	0.0
35	19	1.20	2.21	-0.36	-3.80e-04	2.84e-04	0.0
35	21	-1.30	-1.92	0.29	3.42e-04	-3.11e-04	0.0
35	22	-1.26	-2.26	0.30	3.96e-04	-2.99e-04	0.0
35	51	0.90	1.69	-0.28	-2.89e-04	2.13e-04	0.0
35	53	-1.00	-1.43	0.22	2.57e-04	-2.38e-04	0.0
35	54	-0.96	-1.74	0.22	3.04e-04	-2.28e-04	0.0
35	83	0.80	1.50	-0.25	-2.57e-04	1.88e-04	0.0
35	85	-0.89	-1.27	0.19	2.29e-04	-2.12e-04	0.0
35	86	-0.85	-1.55	0.20	2.72e-04	-2.04e-04	0.0
35	115	1.41	2.59	-0.41	-4.46e-04	3.35e-04	0.0
35	117	-1.52	-2.26	0.35	4.01e-04	-3.63e-04	0.0

35	118	-1.47	-2.64	0.36	4.61e-04	-3.50e-04	0.0
36	2	-0.08	-0.04	-0.29	-1.02e-04	4.40e-05	-4.20e-05
36	5	-0.02	-0.07	-0.15	-2.02e-04	1.91e-05	-1.83e-05
36	10	-0.05	-0.03	-0.21	-6.75e-05	3.14e-05	-2.84e-05
36	11	-0.02	-0.05	-0.11	-1.34e-04	1.48e-05	-1.26e-05
36	14	-0.04	4.80e-04	-0.16	1.07e-05	2.33e-05	-1.29e-05
36	15	-0.02	-0.01	-0.11	-2.26e-05	1.50e-05	-4.98e-06
36	17	-0.02	-1.40e-03	-0.11	5.26e-06	1.50e-05	-3.08e-06
36	18	-0.03	-2.72e-04	-0.14	8.50e-06	2.00e-05	-8.98e-06
36	21	-1.31	0.34	-0.20	-1.58e-04	-1.96e-04	-1.20e-03
36	36	0.42	-0.68	-0.09	1.58e-04	7.72e-05	2.54e-04
36	53	-1.00	0.28	-0.19	-1.22e-04	-1.44e-04	-9.07e-04
36	68	0.32	-0.61	-0.10	1.38e-04	6.29e-05	1.76e-04
36	69	-0.38	0.61	-0.19	-1.21e-04	-2.30e-05	-1.94e-04
36	85	-0.89	0.25	-0.18	-1.08e-04	-1.26e-04	-8.07e-04
36	100	0.28	-0.55	-0.10	1.25e-04	5.81e-05	1.55e-04
36	101	-0.34	0.55	-0.19	-1.08e-04	-1.82e-05	-1.73e-04
36	117	-1.52	0.38	-0.21	-1.85e-04	-2.34e-04	-1.41e-03
36	132	0.50	-0.77	-0.08	1.79e-04	8.71e-05	3.04e-04
37	2	-0.15	-0.06	-1.64	1.23e-03	-3.65e-04	-6.19e-05
37	6	-0.13	-0.09	-1.28	9.47e-04	-2.83e-04	-5.86e-05
37	10	-0.11	-0.04	-1.14	8.48e-04	-2.53e-04	-4.23e-05
37	12	-0.09	-0.06	-0.90	6.62e-04	-1.99e-04	-4.01e-05
37	14	-0.07	-6.38e-03	-0.75	5.39e-04	-1.65e-04	-2.07e-05
37	16	-0.06	-0.02	-0.60	4.15e-04	-1.29e-04	-1.83e-05
37	18	-0.06	-5.24e-03	-0.60	4.15e-04	-1.29e-04	-1.55e-05
37	30	-6.58	-0.50	-0.50	4.14e-04	-3.66e-04	-1.08e-03
37	35	2.03	0.76	-0.76	4.32e-04	-6.12e-05	4.15e-04
37	38	-2.14	-0.77	-0.44	3.99e-04	-1.98e-04	-4.46e-04
37	62	-5.20	-0.41	-0.52	4.14e-04	-3.09e-04	-8.28e-04
37	67	1.58	0.68	-0.74	4.30e-04	-8.02e-05	3.12e-04
37	70	-1.69	-0.69	-0.46	4.00e-04	-1.79e-04	-3.43e-04
37	94	-4.65	-0.37	-0.53	4.14e-04	-2.89e-04	-7.38e-04
37	99	1.40	0.61	-0.72	4.28e-04	-8.58e-05	2.76e-04
37	102	-1.51	-0.62	-0.47	4.02e-04	-1.73e-04	-3.07e-04
37	126	-7.60	-0.57	-0.49	4.14e-04	-4.04e-04	-1.25e-03
37	131	2.37	0.86	-0.78	4.34e-04	-4.88e-05	4.89e-04
37	134	-2.48	-0.87	-0.42	3.96e-04	-2.10e-04	-5.20e-04
38	2	-0.08	-0.06	-0.29	-1.03e-04	-6.91e-05	-5.32e-05
38	6	-0.06	-0.09	-0.24	-1.92e-04	-5.63e-05	-5.00e-05
38	10	-0.05	-0.04	-0.21	-6.77e-05	-4.89e-05	-3.63e-05
38	12	-0.04	-0.06	-0.18	-1.27e-04	-4.04e-05	-3.42e-05
38	14	-0.04	-5.94e-03	-0.16	1.06e-05	-3.53e-05	-1.77e-05
38	16	-0.03	-0.02	-0.14	-1.98e-05	-2.97e-05	-1.55e-05
38	18	-0.03	-4.92e-03	-0.14	8.28e-06	-2.97e-05	-1.31e-05
38	21	-1.30	-0.16	-0.11	-4.05e-05	-2.54e-04	-1.27e-03
38	23	1.24	0.54	-0.20	-5.67e-06	1.87e-04	1.25e-03
38	38	-0.33	-0.77	-0.09	1.07e-04	-7.49e-05	-4.39e-04
38	53	-1.00	-0.09	-0.12	-3.33e-05	-2.01e-04	-9.62e-04
38	55	0.93	0.43	-0.19	-6.82e-06	1.34e-04	9.39e-04
38	70	-0.25	-0.68	-0.10	9.85e-05	-6.12e-05	-3.36e-04
38	85	-0.89	-0.08	-0.12	-2.91e-05	-1.82e-04	-8.57e-04
38	102	-0.22	-0.62	-0.10	8.98e-05	-5.75e-05	-3.01e-04
38	107	0.26	0.58	-0.18	-7.38e-05	1.05e-05	2.20e-04
38	117	-1.52	-0.20	-0.10	-4.75e-05	-2.93e-04	-1.49e-03
38	119	1.45	0.62	-0.21	-6.64e-06	2.25e-04	1.46e-03
38	134	-0.38	-0.87	-0.09	1.19e-04	-8.36e-05	-5.12e-04
39	2	-0.15	-0.04	-1.65	1.33e-03	3.16e-04	-4.35e-05
39	5	-0.06	-0.07	-0.47	3.21e-04	8.51e-05	-1.60e-05
39	10	-0.11	-0.03	-1.15	9.18e-04	2.19e-04	-2.95e-05
39	11	-0.04	-0.05	-0.36	2.47e-04	6.52e-05	-1.11e-05
39	14	-0.07	1.09e-03	-0.76	5.82e-04	1.41e-04	-1.40e-05
39	15	-0.04	-0.01	-0.37	2.47e-04	6.39e-05	-4.83e-06
39	17	-0.04	-1.13e-03	-0.37	2.47e-04	6.35e-05	-3.27e-06
39	18	-0.06	2.00e-04	-0.60	4.48e-04	1.10e-04	-9.72e-06
39	30	-6.58	-0.07	-0.60	4.39e-04	-1.39e-04	-1.05e-03
39	37	-1.80	0.68	-0.76	4.39e-04	3.65e-05	-2.67e-04
39	62	-5.20	-0.08	-0.60	4.41e-04	-8.02e-05	-8.06e-04
39	69	-1.43	0.61	-0.74	4.41e-04	5.56e-05	-1.89e-04
39	94	-4.65	-0.08	-0.60	4.42e-04	-5.91e-05	-7.18e-04
39	101	-1.28	0.55	-0.73	4.42e-04	6.17e-05	-1.68e-04
39	126	-7.60	-0.08	-0.60	4.38e-04	-1.79e-04	-1.22e-03
39	133	-2.08	0.77	-0.78	4.37e-04	2.35e-05	-3.16e-04
40	2	-0.15	-0.02	-0.38	6.14e-04	1.50e-03	-1.27e-05
40	5	-0.06	-0.07	-0.13	1.50e-04	4.02e-04	0.0

40	10	-0.11	-0.01	-0.27	4.25e-04	1.04e-03	-8.31e-06
40	11	-0.04	-0.05	-0.10	1.16e-04	3.09e-04	0.0
40	14	-0.07	5.09e-03	-0.19	2.71e-04	6.77e-04	-3.40e-06
40	15	-0.04	-0.01	-0.11	1.16e-04	3.11e-04	0.0
40	17	-0.04	-3.48e-03	-0.11	1.16e-04	3.11e-04	0.0
40	18	-0.06	1.66e-03	-0.16	2.09e-04	5.31e-04	-1.64e-06
40	21	-6.39	1.69	-0.60	1.37e-04	2.50e-04	-1.12e-03
40	25	-6.47	1.70	-0.60	1.39e-04	2.48e-04	-1.13e-03
40	30	-6.58	1.15	-0.47	1.35e-04	2.62e-04	-1.03e-03
40	53	-5.02	1.30	-0.49	1.54e-04	3.21e-04	-8.38e-04
40	57	-5.08	1.31	-0.49	1.57e-04	3.20e-04	-8.48e-04
40	62	-5.20	0.86	-0.39	1.52e-04	3.23e-04	-7.96e-04
40	85	-4.49	1.16	-0.46	1.60e-04	3.45e-04	-7.44e-04
40	89	-4.55	1.16	-0.46	1.62e-04	3.43e-04	-7.54e-04
40	94	-4.65	0.76	-0.37	1.58e-04	3.46e-04	-7.09e-04
40	117	-7.42	1.98	-0.67	1.24e-04	2.01e-04	-1.32e-03
40	121	-7.51	1.99	-0.67	1.27e-04	1.99e-04	-1.33e-03
40	126	-7.59	1.34	-0.52	1.23e-04	2.19e-04	-1.20e-03
41	2	-0.08	-0.02	-0.09	-1.02e-04	2.39e-04	7.43e-06
41	5	-0.03	-0.08	-0.06	-1.95e-04	1.05e-04	2.91e-05
41	10	-0.06	-0.02	-0.07	-6.68e-05	1.70e-04	5.42e-06
41	11	-0.02	-0.05	-0.05	-1.29e-04	8.13e-05	1.99e-05
41	14	-0.04	5.45e-03	-0.06	1.08e-05	1.27e-04	0.0
41	15	-0.02	-0.01	-0.05	-2.04e-05	8.24e-05	6.75e-06
41	17	-0.02	-3.28e-03	-0.05	6.77e-06	8.27e-05	3.47e-06
41	18	-0.03	1.96e-03	-0.05	9.16e-06	1.09e-04	1.10e-06
41	21	-1.31	1.69	-0.36	-5.12e-04	-9.67e-05	-1.09e-03
41	25	-1.27	1.70	-0.36	-5.16e-04	-9.28e-05	-1.11e-03
41	53	-1.00	1.30	-0.29	-3.91e-04	-4.56e-05	-8.18e-04
41	57	-0.97	1.31	-0.28	-3.94e-04	-4.19e-05	-8.30e-04
41	85	-0.89	1.16	-0.26	-3.47e-04	-2.84e-05	-7.27e-04
41	89	-0.86	1.17	-0.26	-3.50e-04	-2.50e-05	-7.37e-04
41	117	-1.52	1.98	-0.42	-6.00e-04	-1.32e-04	-1.29e-03
41	121	-1.48	1.99	-0.41	-6.05e-04	-1.28e-04	-1.30e-03
42	2	-0.15	-0.13	-0.32	6.47e-04	-1.54e-03	-4.67e-05
42	6	-0.13	-0.16	-0.26	5.01e-04	-1.21e-03	-5.05e-05
42	10	-0.11	-0.09	-0.23	4.48e-04	-1.07e-03	-3.19e-05
42	12	-0.09	-0.11	-0.18	3.50e-04	-8.47e-04	-3.44e-05
42	14	-0.07	-0.03	-0.16	2.86e-04	-6.95e-04	-1.32e-05
42	16	-0.06	-0.04	-0.13	2.21e-04	-5.46e-04	-1.37e-05
42	18	-0.06	-0.02	-0.13	2.21e-04	-5.45e-04	-1.01e-05
42	19	6.38	2.08	-0.58	1.35e-04	-2.63e-04	1.27e-03
42	22	-6.49	-2.12	0.32	3.06e-04	-8.28e-04	-1.29e-03
42	30	-6.58	-1.79	0.24	3.02e-04	-7.74e-04	-1.06e-03
42	51	4.98	1.59	-0.48	1.57e-04	-3.34e-04	9.50e-04
42	54	-5.10	-1.64	0.21	2.85e-04	-7.57e-04	-9.70e-04
42	62	-5.20	-1.39	0.16	2.82e-04	-7.18e-04	-8.01e-04
42	83	4.45	1.42	-0.44	1.64e-04	-3.57e-04	8.43e-04
42	86	-4.56	-1.46	0.17	2.78e-04	-7.34e-04	-8.63e-04
42	94	-4.65	-1.24	0.13	2.75e-04	-6.99e-04	-7.12e-04
42	115	7.43	2.44	-0.66	1.21e-04	-2.13e-04	1.49e-03
42	118	-7.54	-2.48	0.39	3.21e-04	-8.78e-04	-1.51e-03
42	126	-7.59	-2.06	0.30	3.15e-04	-8.12e-04	-1.23e-03
43	2	-0.08	-0.13	-0.06	-1.03e-04	-2.67e-04	-7.47e-05
43	6	-0.06	-0.17	-0.05	-1.96e-04	-2.20e-04	-8.78e-05
43	10	-0.05	-0.09	-0.04	-6.84e-05	-1.90e-04	-5.09e-05
43	12	-0.04	-0.11	-0.04	-1.30e-04	-1.59e-04	-5.97e-05
43	14	-0.04	-0.03	-0.04	1.05e-05	-1.40e-04	-1.86e-05
43	16	-0.03	-0.04	-0.04	-2.11e-05	-1.20e-04	-2.20e-05
43	18	-0.03	-0.02	-0.04	7.61e-06	-1.20e-04	-1.46e-05
43	21	-1.30	-1.78	0.26	3.13e-04	-3.47e-04	-1.39e-03
43	22	-1.26	-2.13	0.27	3.67e-04	-3.18e-04	-1.32e-03
43	23	1.24	2.06	-0.35	-3.48e-04	8.36e-05	1.28e-03
43	53	-1.00	-1.33	0.19	2.34e-04	-2.94e-04	-1.06e-03
43	54	-0.96	-1.64	0.19	2.83e-04	-2.68e-04	-9.95e-04
43	55	0.93	1.58	-0.27	-2.64e-04	3.29e-05	9.59e-04
43	85	-0.89	-1.18	0.16	2.09e-04	-2.75e-04	-9.45e-04
43	86	-0.85	-1.46	0.17	2.53e-04	-2.51e-04	-8.86e-04
43	87	0.82	1.40	-0.25	-2.35e-04	1.59e-05	8.50e-04
43	117	-1.52	-2.09	0.31	3.66e-04	-3.85e-04	-1.63e-03
43	118	-1.47	-2.48	0.32	4.27e-04	-3.53e-04	-1.54e-03
43	119	1.45	2.41	-0.40	-4.08e-04	1.19e-04	1.51e-03
44	2	-0.15	-0.02	-0.23	6.66e-05	-4.68e-05	0.0
44	5	-0.06	-0.07	-0.09	3.56e-05	-1.68e-05	0.0
44	10	-0.11	-0.01	-0.17	4.69e-05	-3.26e-05	0.0

44	11	-0.04	-0.05	-0.07	2.62e-05	-1.26e-05	0.0
44	14	-0.07	5.49e-03	-0.12	3.04e-05	-2.11e-05	0.0
44	15	-0.04	-0.01	-0.07	2.01e-05	-1.11e-05	0.0
44	17	-0.04	-3.54e-03	-0.08	1.85e-05	-1.07e-05	0.0
44	18	-0.06	1.88e-03	-0.10	2.56e-05	-1.69e-05	0.0
44	21	-6.39	1.80	-0.57	-3.62e-04	-6.16e-04	0.0
44	25	-6.47	1.81	-0.57	-3.63e-04	-6.33e-04	0.0
44	30	-6.58	1.25	-0.44	-2.52e-04	-5.15e-04	0.0
44	53	-5.02	1.38	-0.46	-2.71e-04	-4.72e-04	0.0
44	57	-5.08	1.39	-0.46	-2.71e-04	-4.86e-04	0.0
44	62	-5.20	0.94	-0.36	-1.83e-04	-4.02e-04	0.0
44	85	-4.49	1.23	-0.42	-2.38e-04	-4.21e-04	0.0
44	89	-4.55	1.24	-0.42	-2.39e-04	-4.34e-04	0.0
44	94	-4.65	0.83	-0.33	-1.59e-04	-3.60e-04	0.0
44	117	-7.42	2.11	-0.65	-4.28e-04	-7.19e-04	0.0
44	121	-7.51	2.12	-0.65	-4.29e-04	-7.38e-04	0.0
44	126	-7.59	1.46	-0.50	-2.98e-04	-5.95e-04	0.0
45	2	-0.15	-0.13	-0.16	1.23e-04	-4.68e-05	0.0
45	6	-0.13	-0.17	-0.13	1.11e-04	-3.86e-05	0.0
45	10	-0.11	-0.09	-0.12	8.63e-05	-3.26e-05	0.0
45	12	-0.09	-0.11	-0.10	7.79e-05	-2.72e-05	0.0
45	14	-0.07	-0.03	-0.09	5.47e-05	-2.11e-05	0.0
45	16	-0.06	-0.04	-0.08	4.81e-05	-1.73e-05	0.0
45	18	-0.06	-0.02	-0.08	4.53e-05	-1.69e-05	0.0
45	19	6.38	2.21	-0.56	-3.76e-04	6.04e-04	0.0
45	22	-6.49	-2.25	0.40	4.67e-04	-6.38e-04	0.0
45	30	-6.58	-1.89	0.32	3.96e-04	-5.15e-04	0.0
45	51	4.98	1.69	-0.44	-2.76e-04	4.56e-04	0.0
45	54	-5.10	-1.73	0.29	3.67e-04	-4.90e-04	0.0
45	62	-5.20	-1.47	0.23	3.15e-04	-4.02e-04	0.0
45	83	4.45	1.50	-0.40	-2.41e-04	4.04e-04	0.0
45	86	-4.56	-1.55	0.25	3.32e-04	-4.38e-04	0.0
45	94	-4.65	-1.31	0.20	2.86e-04	-3.60e-04	0.0
45	115	7.43	2.58	-0.64	-4.47e-04	7.09e-04	0.0
45	118	-7.54	-2.63	0.48	5.38e-04	-7.43e-04	0.0
45	126	-7.59	-2.19	0.38	4.51e-04	-5.95e-04	0.0
46	2	-0.08	-0.02	-0.07	-1.02e-04	-1.78e-05	0.0
46	5	-0.03	-0.08	-0.05	-1.95e-04	-5.22e-06	0.0
46	10	-0.06	-0.02	-0.05	-6.68e-05	-1.24e-05	0.0
46	11	-0.02	-0.05	-0.04	-1.29e-04	-4.03e-06	0.0
46	14	-0.04	5.50e-03	-0.05	1.08e-05	-8.29e-06	0.0
46	15	-0.02	-0.01	-0.04	-2.02e-05	-4.10e-06	0.0
46	17	-0.02	-3.63e-03	-0.04	6.90e-06	-4.12e-06	0.0
46	18	-0.03	1.85e-03	-0.04	9.22e-06	-6.62e-06	0.0
46	21	-1.31	1.80	-0.37	-5.42e-04	-3.10e-04	0.0
46	25	-1.27	1.81	-0.37	-5.46e-04	-3.01e-04	0.0
46	53	-1.00	1.38	-0.29	-4.13e-04	-2.37e-04	0.0
46	57	-0.97	1.39	-0.29	-4.17e-04	-2.29e-04	0.0
46	85	-0.89	1.23	-0.27	-3.67e-04	-2.11e-04	0.0
46	89	-0.86	1.24	-0.26	-3.70e-04	-2.05e-04	0.0
46	117	-1.52	2.11	-0.43	-6.35e-04	-3.62e-04	0.0
46	121	-1.48	2.12	-0.43	-6.40e-04	-3.52e-04	0.0
47	2	-0.53	0.14	-0.23	-2.85e-05	-3.04e-04	0.0
47	10	-0.37	0.10	-0.17	-2.02e-05	-2.12e-04	0.0
47	14	-0.23	0.08	-0.12	-1.54e-05	-1.40e-04	0.0
47	18	-0.18	0.06	-0.11	-1.29e-05	-1.12e-04	0.0
47	20	15.51	-2.70	-0.67	4.28e-04	-6.95e-04	0.02
47	22	-16.18	2.49	0.39	-4.14e-04	4.26e-04	0.02
47	25	-16.12	2.82	0.46	-4.52e-04	4.36e-04	-0.02
47	52	11.67	-2.05	-0.54	3.23e-04	-5.64e-04	9.19e-03
47	54	-12.27	1.87	0.27	-3.13e-04	3.04e-04	0.01
47	57	-12.22	2.17	0.32	-3.48e-04	3.12e-04	-0.01
47	86	-10.93	1.67	0.23	-2.79e-04	2.59e-04	0.01
47	88	10.52	-1.82	-0.49	2.85e-04	-4.91e-04	0.01
47	89	-10.89	1.94	0.28	-3.11e-04	2.66e-04	-0.01
47	118	-18.94	2.92	0.48	-4.84e-04	5.17e-04	0.03
47	120	18.49	-3.17	-0.76	5.01e-04	-7.53e-04	0.03
47	121	-18.86	3.29	0.55	-5.27e-04	5.28e-04	-0.03
48	2	-0.53	-0.20	-0.30	8.66e-06	-1.77e-04	0.0
48	6	-0.45	-0.22	-0.25	7.66e-06	-1.47e-04	0.0
48	10	-0.37	-0.14	-0.21	5.81e-06	-1.24e-04	0.0
48	12	-0.32	-0.15	-0.18	5.14e-06	-1.03e-04	0.0
48	14	-0.23	-0.07	-0.15	2.53e-06	-7.96e-05	0.0
48	16	-0.19	-0.07	-0.13	1.98e-06	-6.55e-05	0.0
48	18	-0.18	-0.05	-0.13	1.63e-06	-6.39e-05	0.0

48	22	-16.18	-2.84	-0.67	4.31e-04	4.69e-04	0.0
48	54	-12.27	-2.19	-0.54	3.29e-04	3.48e-04	0.0
48	86	-10.93	-1.96	-0.49	2.93e-04	3.04e-04	0.0
48	118	-18.94	-3.32	-0.76	5.04e-04	5.58e-04	0.0
49	2	-0.53	-0.18	-0.42	-6.16e-04	-1.23e-03	-2.13e-04
49	6	-0.45	-0.20	-0.35	-4.78e-04	-9.56e-04	-1.66e-04
49	10	-0.37	-0.13	-0.30	-4.27e-04	-8.52e-04	-1.48e-04
49	12	-0.32	-0.14	-0.25	-3.35e-04	-6.72e-04	-1.16e-04
49	14	-0.23	-0.06	-0.21	-2.71e-04	-5.57e-04	-9.49e-05
49	16	-0.19	-0.06	-0.17	-2.10e-04	-4.38e-04	-7.40e-05
49	18	-0.18	-0.05	-0.17	-2.10e-04	-4.38e-04	-7.39e-05
49	22	-16.18	-2.68	-0.67	-2.59e-04	-5.32e-05	-1.68e-03
49	54	-12.27	-2.06	-0.56	-2.48e-04	-1.47e-04	-1.28e-03
49	86	-10.93	-1.84	-0.51	-2.43e-04	-1.79e-04	-1.14e-03
49	118	-18.94	-3.12	-0.76	-2.68e-04	1.31e-05	-1.96e-03
50	2	-0.53	0.04	-1.43	-1.01e-03	-2.08e-04	-1.30e-04
50	7	-0.17	-0.08	-0.34	-1.91e-04	-4.42e-05	-4.84e-05
50	10	-0.37	0.03	-1.00	-7.01e-04	-1.45e-04	-9.03e-05
50	11	-0.15	-0.05	-0.34	-1.91e-04	-4.42e-05	-4.07e-05
50	14	-0.23	0.04	-0.66	-4.46e-04	-9.46e-05	-5.32e-05
50	18	-0.18	0.03	-0.53	-3.44e-04	-7.45e-05	-4.21e-05
50	22	-16.19	-0.62	-0.60	-3.41e-04	2.82e-04	-1.78e-03
50	35	5.07	0.95	-0.41	-3.39e-04	-1.95e-04	5.34e-04
50	38	-5.44	-0.90	-0.66	-3.49e-04	4.62e-05	-6.18e-04
50	54	-12.27	-0.49	-0.59	-3.42e-04	1.95e-04	-1.36e-03
50	67	3.79	0.85	-0.42	-3.40e-04	-1.67e-04	3.95e-04
50	70	-4.16	-0.80	-0.64	-3.48e-04	1.77e-05	-4.79e-04
50	86	-10.93	-0.44	-0.58	-3.42e-04	1.65e-04	-1.21e-03
50	99	3.35	0.77	-0.43	-3.41e-04	-1.57e-04	3.46e-04
50	102	-3.72	-0.72	-0.63	-3.48e-04	7.63e-06	-4.30e-04
50	118	-18.94	-0.71	-0.61	-3.41e-04	3.43e-04	-2.08e-03
50	131	5.98	1.07	-0.39	-3.38e-04	-2.16e-04	6.33e-04
50	134	-6.34	-1.02	-0.67	-3.50e-04	6.66e-05	-7.17e-04
51	2	-0.53	0.08	-1.40	-7.82e-04	3.35e-04	-8.45e-05
51	10	-0.37	0.06	-0.98	-5.41e-04	2.33e-04	-5.87e-05
51	14	-0.23	0.05	-0.65	-3.45e-04	1.51e-04	-3.40e-05
51	18	-0.18	0.04	-0.52	-2.66e-04	1.18e-04	-2.76e-05
51	22	-16.19	0.10	-0.45	-3.57e-04	4.53e-04	-1.81e-03
51	36	4.07	-0.84	-0.67	-2.21e-04	4.51e-06	3.99e-04
51	37	-4.44	0.92	-0.37	-3.11e-04	2.31e-04	-4.54e-04
51	54	-12.27	0.05	-0.47	-3.34e-04	3.71e-04	-1.38e-03
51	68	3.02	-0.75	-0.65	-2.30e-04	3.21e-05	2.85e-04
51	69	-3.39	0.83	-0.39	-3.03e-04	2.04e-04	-3.40e-04
51	86	-10.93	0.04	-0.48	-3.26e-04	3.43e-04	-1.23e-03
51	100	2.67	-0.67	-0.64	-2.34e-04	4.15e-05	2.49e-04
51	101	-3.03	0.75	-0.40	-2.99e-04	1.94e-04	-3.04e-04
51	118	-18.94	0.12	-0.44	-3.73e-04	5.11e-04	-2.11e-03
51	132	4.80	-0.95	-0.69	-2.14e-04	-1.50e-05	4.76e-04
51	133	-5.17	1.04	-0.35	-3.18e-04	2.51e-04	-5.31e-04
52	2	-0.53	0.13	-0.35	-8.64e-05	1.19e-03	-2.10e-05
52	10	-0.37	0.09	-0.25	-6.03e-05	8.30e-04	-1.51e-05
52	14	-0.23	0.07	-0.18	-4.07e-05	5.43e-04	-6.85e-06
52	18	-0.18	0.06	-0.15	-3.24e-05	4.27e-04	-7.30e-06
52	20	15.51	-2.53	-0.68	3.82e-04	1.01e-04	1.68e-03
52	22	-16.18	2.30	0.32	-4.09e-04	7.39e-04	-1.86e-03
52	25	-16.12	2.65	0.38	-4.46e-04	7.53e-04	-1.71e-03
52	52	11.67	-1.92	-0.55	2.84e-04	1.80e-04	1.26e-03
52	54	-12.27	1.73	0.20	-3.15e-04	6.63e-04	-1.42e-03
52	57	-12.22	2.04	0.26	-3.47e-04	6.73e-04	-1.28e-03
52	84	10.36	-1.71	-0.51	2.49e-04	2.07e-04	1.12e-03
52	86	-10.93	1.54	0.16	-2.83e-04	6.36e-04	-1.27e-03
52	89	-10.89	1.83	0.21	-3.13e-04	6.46e-04	-1.14e-03
52	116	18.22	-2.97	-0.77	4.53e-04	4.44e-05	1.98e-03
52	118	-18.94	2.70	0.40	-4.75e-04	7.93e-04	-2.18e-03
52	121	-18.86	3.09	0.47	-5.16e-04	8.09e-04	-2.01e-03
53	2	-0.69	0.14	-0.15	-3.01e-05	-3.40e-04	0.0
53	10	-0.48	0.10	-0.11	-2.14e-05	-2.37e-04	0.0
53	14	-0.30	0.08	-0.08	-1.61e-05	-1.55e-04	0.0
53	18	-0.24	0.06	-0.07	-1.34e-05	-1.25e-04	0.0
53	22	-16.30	2.49	-0.07	-4.11e-04	-1.17e-03	0.02
53	25	-16.23	2.83	-0.07	-4.47e-04	-1.16e-03	-0.03
53	44	4.81	-1.29	-0.07	1.69e-04	2.32e-04	0.08
53	54	-12.37	1.87	-0.07	-3.11e-04	-9.23e-04	9.19e-03
53	57	-12.32	2.18	-0.07	-3.44e-04	-9.11e-04	-0.02
53	76	3.57	-1.04	-0.07	1.33e-04	1.48e-04	0.05

53	86	-11.03	1.67	-0.07	-2.78e-04	-8.35e-04	7.96e-03
53	89	-10.98	1.94	-0.07	-3.07e-04	-8.24e-04	-0.01
53	108	3.15	-0.93	-0.07	1.18e-04	1.18e-04	0.04
53	118	-19.06	2.92	-0.07	-4.80e-04	-1.35e-03	0.02
53	121	-18.99	3.29	-0.07	-5.21e-04	-1.34e-03	-0.03
53	140	5.67	-1.49	-0.07	1.98e-04	2.94e-04	0.10
54	2	-0.69	-0.20	-0.08	3.17e-05	-2.13e-04	0.0
54	6	-0.58	-0.22	-0.07	2.51e-05	-1.77e-04	0.0
54	10	-0.48	-0.14	-0.06	2.17e-05	-1.48e-04	0.0
54	12	-0.41	-0.15	-0.05	1.74e-05	-1.24e-04	0.0
54	14	-0.30	-0.07	-0.05	1.29e-05	-9.51e-05	0.0
54	16	-0.25	-0.07	-0.04	9.93e-06	-7.84e-05	0.0
54	18	-0.24	-0.05	-0.04	9.68e-06	-7.63e-05	0.0
54	22	-16.30	-2.85	-0.05	4.55e-04	-1.12e-03	0.0
54	54	-12.37	-2.19	-0.05	3.49e-04	-8.73e-04	0.0
54	86	-11.03	-1.96	-0.05	3.11e-04	-7.85e-04	0.0
54	118	-19.06	-3.32	-0.05	5.31e-04	-1.30e-03	0.0
55	2	-0.69	-0.18	-0.12	2.96e-05	-4.39e-04	-2.10e-04
55	6	-0.58	-0.20	-0.10	2.35e-05	-3.54e-04	-1.71e-04
55	10	-0.48	-0.13	-0.09	2.03e-05	-3.08e-04	-1.45e-04
55	12	-0.41	-0.14	-0.08	1.62e-05	-2.52e-04	-1.19e-04
55	14	-0.30	-0.06	-0.07	1.20e-05	-2.14e-04	-8.93e-05
55	16	-0.25	-0.06	-0.06	9.16e-06	-1.76e-04	-7.15e-05
55	18	-0.24	-0.05	-0.06	8.91e-06	-1.76e-04	-6.95e-05
55	22	-16.30	-2.68	-0.07	4.26e-04	-1.89e-04	-1.70e-03
55	54	-12.37	-2.06	-0.07	3.27e-04	-1.86e-04	-1.29e-03
55	86	-11.03	-1.84	-0.07	2.92e-04	-1.85e-04	-1.15e-03
55	118	-19.06	-3.12	-0.07	4.97e-04	-1.91e-04	-1.98e-03
56	2	-0.69	0.04	-0.51	4.88e-06	-1.31e-04	-1.33e-04
56	7	-0.23	-0.08	-0.16	1.00e-06	-3.23e-05	-4.65e-05
56	10	-0.48	0.03	-0.36	3.07e-06	-9.17e-05	-9.18e-05
56	11	-0.20	-0.05	-0.16	0.0	-3.23e-05	-3.97e-05
56	14	-0.30	0.04	-0.26	0.0	-6.19e-05	-5.49e-05
56	18	-0.24	0.03	-0.22	0.0	-5.01e-05	-4.34e-05
56	22	-16.30	-0.61	-0.23	7.92e-05	-4.87e-05	-1.79e-03
56	35	5.03	0.95	-0.20	-8.05e-05	-4.83e-05	5.36e-04
56	38	-5.50	-0.90	-0.24	7.99e-05	-5.18e-05	-6.23e-04
56	54	-12.37	-0.49	-0.23	6.26e-05	-4.91e-05	-1.36e-03
56	67	3.74	0.85	-0.20	-7.03e-05	-4.85e-05	3.97e-04
56	70	-4.22	-0.79	-0.23	6.96e-05	-5.16e-05	-4.84e-04
56	86	-11.03	-0.44	-0.23	5.58e-05	-4.92e-05	-1.21e-03
56	99	3.30	0.77	-0.20	-6.34e-05	-4.87e-05	3.48e-04
56	102	-3.78	-0.71	-0.23	6.27e-05	-5.15e-05	-4.35e-04
56	118	-19.06	-0.71	-0.24	9.20e-05	-4.85e-05	-2.09e-03
56	131	5.93	1.07	-0.19	-9.13e-05	-4.81e-05	6.35e-04
56	134	-6.41	-1.02	-0.24	9.06e-05	-5.20e-05	-7.22e-04
57	2	-0.69	0.08	-0.53	-3.36e-06	5.75e-05	-8.69e-05
57	10	-0.48	0.06	-0.37	-2.68e-06	4.07e-05	-6.04e-05
57	14	-0.30	0.05	-0.26	-3.50e-06	2.89e-05	-3.50e-05
57	18	-0.24	0.04	-0.22	-3.42e-06	2.43e-05	-2.84e-05
57	22	-16.30	0.10	-0.24	-3.62e-05	3.07e-05	-1.81e-03
57	37	-4.52	0.92	-0.21	-8.07e-05	2.12e-05	-4.51e-04
57	38	-5.50	-0.66	-0.24	4.30e-05	3.04e-05	-6.54e-04
57	54	-12.37	0.05	-0.23	-2.54e-05	2.93e-05	-1.37e-03
57	69	-3.47	0.83	-0.21	-7.12e-05	2.13e-05	-3.37e-04
57	70	-4.22	-0.61	-0.24	4.11e-05	2.96e-05	-5.12e-04
57	86	-11.03	0.04	-0.23	-2.27e-05	2.88e-05	-1.23e-03
57	101	-3.11	0.75	-0.21	-6.45e-05	2.16e-05	-3.02e-04
57	102	-3.78	-0.55	-0.24	3.70e-05	2.90e-05	-4.60e-04
57	118	-19.06	0.12	-0.24	-4.28e-05	3.18e-05	-2.11e-03
57	133	-5.26	1.04	-0.21	-9.09e-05	2.09e-05	-5.27e-04
57	134	-6.41	-0.75	-0.24	4.80e-05	3.13e-05	-7.59e-04
58	2	-0.69	0.13	-0.19	-2.81e-05	4.21e-04	-2.24e-05
58	10	-0.48	0.09	-0.14	-1.99e-05	2.96e-04	-1.60e-05
58	14	-0.30	0.07	-0.10	-1.51e-05	2.05e-04	-7.25e-06
58	18	-0.24	0.06	-0.09	-1.27e-05	1.68e-04	-7.45e-06
58	22	-16.30	2.30	-0.09	-3.82e-04	1.82e-04	-1.86e-03
58	25	-16.23	2.65	-0.09	-4.18e-04	1.74e-04	-1.73e-03
58	48	3.76	-1.12	-0.09	1.41e-04	1.80e-04	2.30e-04
58	54	-12.37	1.73	-0.09	-2.89e-04	1.79e-04	-1.42e-03
58	57	-12.32	2.04	-0.09	-3.22e-04	1.72e-04	-1.30e-03
58	80	2.80	-0.93	-0.09	1.12e-04	1.79e-04	1.45e-04
58	86	-11.03	1.54	-0.09	-2.58e-04	1.78e-04	-1.26e-03
58	89	-10.98	1.83	-0.09	-2.88e-04	1.71e-04	-1.16e-03
58	112	2.47	-0.82	-0.09	9.94e-05	1.78e-04	1.26e-04

58	118	-19.06	2.70	-0.09	-4.47e-04	1.84e-04	-2.18e-03
58	121	-18.99	3.09	-0.09	-4.87e-04	1.75e-04	-2.03e-03
58	144	4.40	-1.29	-0.09	1.63e-04	1.82e-04	2.75e-04
63	2	-1.11	0.14	-0.15	1.23e-05	-1.45e-04	0.0
63	10	-0.77	0.10	-0.11	8.51e-06	-1.01e-04	0.0
63	14	-0.49	0.08	-0.08	3.80e-06	-6.29e-05	0.0
63	18	-0.39	0.06	-0.07	3.20e-06	-5.02e-05	0.0
63	22	-17.50	3.33	-0.07	-4.22e-04	-5.31e-04	0.02
63	25	-17.43	3.74	-0.07	-4.63e-04	-5.14e-04	-0.03
63	44	5.00	-1.67	-0.08	2.03e-04	1.42e-04	0.08
63	54	-13.32	2.50	-0.07	-3.15e-04	-4.29e-04	9.19e-03
63	57	-13.26	2.88	-0.07	-3.52e-04	-4.15e-04	-0.02
63	76	3.68	-1.35	-0.08	1.64e-04	1.02e-04	0.05
63	86	-11.89	2.23	-0.07	-2.80e-04	-3.88e-04	7.96e-03
63	89	-11.84	2.57	-0.07	-3.13e-04	-3.76e-04	-0.01
63	108	3.23	-1.20	-0.08	1.47e-04	8.54e-05	0.04
63	118	-20.45	3.90	-0.07	-4.97e-04	-6.13e-04	0.02
63	121	-20.36	4.37	-0.07	-5.42e-04	-5.94e-04	-0.03
63	140	5.93	-1.94	-0.08	2.34e-04	1.75e-04	0.10
64	2	-0.88	0.14	-0.24	1.14e-05	-1.07e-04	0.0
64	10	-0.61	0.10	-0.17	7.91e-06	-7.46e-05	0.0
64	14	-0.39	0.08	-0.13	3.48e-06	-4.64e-05	0.0
64	18	-0.31	0.06	-0.11	2.99e-06	-3.71e-05	0.0
64	20	13.00	-3.61	-0.69	4.68e-04	-1.67e-03	0.02
64	22	-13.88	3.33	0.41	-4.18e-04	1.53e-03	0.02
64	25	-13.82	3.74	0.48	-4.62e-04	1.55e-03	-0.02
64	52	9.75	-2.74	-0.56	3.58e-04	-1.27e-03	9.19e-03
64	54	-10.57	2.50	0.28	-3.12e-04	1.15e-03	0.01
64	57	-10.52	2.87	0.34	-3.51e-04	1.16e-03	-0.01
64	84	8.63	-2.43	-0.51	3.19e-04	-1.14e-03	7.96e-03
64	86	-9.43	2.23	0.24	-2.77e-04	1.02e-03	0.01
64	89	-9.39	2.56	0.29	-3.12e-04	1.03e-03	-0.01
64	116	15.30	-4.23	-0.79	5.48e-04	-1.95e-03	0.02
64	118	-16.22	3.90	0.50	-4.92e-04	1.80e-03	0.03
64	121	-16.15	4.36	0.57	-5.41e-04	1.82e-03	-0.03
65	2	-0.88	-0.31	-0.31	7.69e-05	-1.71e-04	0.0
65	10	-0.61	-0.22	-0.22	5.36e-05	-1.19e-04	0.0
65	14	-0.39	-0.11	-0.16	3.46e-05	-7.64e-05	0.0
65	18	-0.31	-0.09	-0.13	2.78e-05	-6.13e-05	0.0
65	22	-13.88	-3.77	-0.70	4.77e-04	1.51e-03	0.0
65	54	-10.57	-2.90	-0.56	3.69e-04	1.13e-03	0.0
65	86	-9.43	-2.59	-0.52	3.31e-04	1.00e-03	0.0
65	118	-16.22	-4.39	-0.79	5.53e-04	1.78e-03	0.0
66	2	-1.11	-0.31	-0.08	6.63e-05	-2.08e-04	0.0
66	10	-0.77	-0.22	-0.06	4.63e-05	-1.45e-04	0.0
66	14	-0.48	-0.11	-0.05	3.01e-05	-9.27e-05	0.0
66	18	-0.39	-0.09	-0.05	2.43e-05	-7.43e-05	0.0
66	22	-17.50	-3.77	-0.05	4.65e-04	-5.58e-04	0.0
66	54	-13.32	-2.90	-0.05	3.59e-04	-4.55e-04	0.0
66	86	-11.89	-2.60	-0.05	3.22e-04	-4.14e-04	0.0
66	118	-20.45	-4.40	-0.06	5.40e-04	-6.41e-04	0.0
67	2	-0.16	0.15	-0.08	-1.56e-05	-2.14e-05	0.0
67	10	-0.11	0.10	-0.06	-1.31e-05	-1.50e-05	0.0
67	14	-0.07	0.08	-0.05	-3.61e-05	-1.01e-05	0.0
67	18	-0.06	0.07	-0.05	-2.99e-05	-8.17e-06	0.0
67	21	-2.59	3.76	-0.44	-4.66e-04	-3.47e-04	0.0
67	25	-2.52	3.76	-0.43	-4.62e-04	-3.39e-04	0.0
67	53	-1.98	2.89	-0.34	-3.59e-04	-2.65e-04	0.0
67	57	-1.92	2.89	-0.34	-3.56e-04	-2.58e-04	0.0
67	85	-1.77	2.58	-0.31	-3.23e-04	-2.37e-04	0.0
67	89	-1.71	2.58	-0.31	-3.20e-04	-2.30e-04	0.0
67	117	-3.02	4.38	-0.50	-5.42e-04	-4.05e-04	0.0
67	121	-2.94	4.38	-0.50	-5.36e-04	-3.96e-04	0.0
68	1	-0.05	-0.14	-0.04	8.33e-05	-6.99e-06	0.0
68	2	-0.16	-0.31	-0.04	1.19e-04	-2.17e-05	0.0
68	9	-0.04	-0.10	-0.03	5.76e-05	-5.39e-06	0.0
68	10	-0.11	-0.21	-0.03	8.12e-05	-1.52e-05	0.0
68	13	-0.04	-0.06	-0.03	1.55e-05	-5.44e-06	0.0
68	14	-0.07	-0.11	-0.03	2.73e-05	-1.03e-05	0.0
68	17	-0.04	-0.06	-0.03	1.55e-05	-5.44e-06	0.0
68	18	-0.06	-0.09	-0.03	2.26e-05	-8.39e-06	0.0
68	19	2.38	3.61	-0.42	-3.49e-04	3.20e-04	0.0
68	21	-2.59	-3.35	0.34	3.69e-04	-3.47e-04	0.0
68	22	-2.50	-3.79	0.35	3.95e-04	-3.37e-04	0.0
68	51	1.78	2.73	-0.32	-2.59e-04	2.39e-04	0.0

68	53	-1.98	-2.52	0.25	2.84e-04	-2.65e-04	0.0
68	54	-1.90	-2.92	0.26	3.04e-04	-2.56e-04	0.0
68	83	1.58	2.42	-0.29	-2.28e-04	2.12e-04	0.0
68	85	-1.77	-2.25	0.22	2.55e-04	-2.37e-04	0.0
68	86	-1.70	-2.61	0.23	2.73e-04	-2.29e-04	0.0
68	115	2.80	4.23	-0.48	-4.14e-04	3.77e-04	0.0
68	117	-3.02	-3.92	0.41	4.29e-04	-4.05e-04	0.0
68	118	-2.92	-4.41	0.42	4.59e-04	-3.93e-04	0.0
69	2	-0.36	-0.31	-0.17	4.78e-05	-5.79e-05	0.0
69	10	-0.25	-0.21	-0.13	3.32e-05	-4.04e-05	0.0
69	14	-0.16	-0.11	-0.10	1.92e-05	-2.61e-05	0.0
69	18	-0.13	-0.09	-0.09	1.55e-05	-2.10e-05	0.0
69	19	5.52	3.60	-0.67	-5.17e-04	-1.26e-03	0.0
69	22	-5.78	-3.78	0.49	5.48e-04	1.22e-03	0.0
69	51	4.15	2.73	-0.53	-3.92e-04	-1.06e-03	0.0
69	54	-4.41	-2.91	0.35	4.23e-04	1.02e-03	0.0
69	83	3.67	2.42	-0.48	-3.47e-04	-9.59e-04	0.0
69	86	-3.93	-2.60	0.31	3.78e-04	9.17e-04	0.0
69	115	6.49	4.22	-0.77	-6.07e-04	-1.44e-03	0.0
69	118	-6.76	-4.40	0.59	6.38e-04	1.40e-03	0.0
70	2	-0.36	0.15	-0.26	2.58e-06	-5.76e-05	0.0
70	10	-0.25	0.10	-0.18	2.09e-06	-4.02e-05	0.0
70	14	-0.16	0.08	-0.14	0.0	-2.60e-05	0.0
70	18	-0.13	0.07	-0.12	1.52e-06	-2.08e-05	0.0
70	21	-5.66	3.75	-0.68	-4.12e-04	1.25e-03	0.0
70	22	-5.78	3.34	-0.63	-3.68e-04	1.22e-03	0.0
70	25	-5.75	3.75	-0.68	-4.12e-04	1.23e-03	0.0
70	53	-4.30	2.88	-0.55	-3.14e-04	1.04e-03	0.0
70	54	-4.41	2.51	-0.50	-2.74e-04	1.02e-03	0.0
70	57	-4.38	2.88	-0.55	-3.14e-04	1.02e-03	0.0
70	85	-3.84	2.57	-0.50	-2.80e-04	9.38e-04	0.0
70	86	-3.93	2.23	-0.46	-2.44e-04	9.18e-04	0.0
70	89	-3.91	2.57	-0.50	-2.79e-04	9.22e-04	0.0
70	117	-6.61	4.37	-0.78	-4.82e-04	1.43e-03	0.0
70	118	-6.76	3.91	-0.72	-4.33e-04	1.40e-03	0.0
70	121	-6.72	4.38	-0.78	-4.82e-04	1.41e-03	0.0
71	2	-0.25	-0.23	-0.17	2.69e-05	-5.48e-05	0.0
71	6	-0.20	-0.24	-0.14	1.67e-05	-4.51e-05	0.0
71	10	-0.17	-0.16	-0.12	1.89e-05	-3.82e-05	0.0
71	12	-0.14	-0.16	-0.10	1.21e-05	-3.17e-05	0.0
71	14	-0.11	-0.08	-0.10	1.47e-05	-2.47e-05	0.0
71	18	-0.09	-0.06	-0.08	1.17e-05	-1.98e-05	0.0
71	19	6.31	2.70	-0.64	-3.14e-04	-9.42e-04	0.0
71	22	-6.49	-2.82	0.47	3.37e-04	9.02e-04	0.0
71	51	4.84	2.05	-0.51	-2.35e-04	-7.93e-04	0.0
71	54	-5.02	-2.17	0.34	2.58e-04	7.53e-04	0.0
71	83	4.31	1.82	-0.46	-2.08e-04	-7.17e-04	0.0
71	86	-4.48	-1.94	0.30	2.31e-04	6.77e-04	0.0
71	115	7.38	3.17	-0.74	-3.70e-04	-1.08e-03	0.0
71	118	-7.56	-3.29	0.57	3.93e-04	1.04e-03	0.0
72	2	8.24e-03	-0.02	-0.04	3.76e-05	1.83e-05	0.0
72	10	5.79e-03	-0.01	-0.03	2.63e-05	1.28e-05	0.0
72	14	4.17e-03	-6.56e-03	-0.02	1.52e-05	9.30e-06	0.0
72	18	3.39e-03	-5.56e-03	-0.02	1.29e-05	7.58e-06	0.0
72	22	-0.63	-0.06	-0.09	1.51e-04	-1.50e-03	0.0
72	27	0.64	0.04	0.04	-1.02e-04	1.53e-03	0.0
72	54	-0.47	-0.05	-0.07	1.19e-04	-1.13e-03	0.0
72	59	0.49	0.03	0.03	-7.63e-05	1.17e-03	0.0
72	86	-0.42	-0.04	-0.06	1.07e-04	-1.01e-03	0.0
72	91	0.44	0.03	0.02	-6.66e-05	1.04e-03	0.0
72	118	-0.74	-0.07	-0.10	1.74e-04	-1.76e-03	0.0
72	123	0.75	0.05	0.05	-1.20e-04	1.78e-03	0.0
73	2	-0.08	0.05	-0.12	-7.18e-06	-3.53e-05	0.0
73	10	-0.06	0.04	-0.09	-5.49e-06	-2.46e-05	0.0
73	14	-0.04	0.05	-0.07	-4.56e-06	-1.59e-05	0.0
73	18	-0.03	0.04	-0.06	-4.85e-06	-1.28e-05	0.0
73	19	4.86	1.33	-0.46	-4.09e-04	1.23e-03	0.0
73	30	-5.09	-1.04	0.28	3.34e-04	-1.26e-03	0.0
73	51	3.84	1.03	-0.37	-3.15e-04	9.57e-04	0.0
73	62	-4.05	-0.80	0.20	2.57e-04	-9.89e-04	0.0
73	83	3.43	0.92	-0.33	-2.81e-04	8.54e-04	0.0
73	94	-3.63	-0.70	0.17	2.29e-04	-8.85e-04	0.0
73	115	5.64	1.55	-0.53	-4.77e-04	1.44e-03	0.0
73	126	-5.87	-1.21	0.33	3.88e-04	-1.45e-03	0.0
74	2	-2.76e-03	-0.03	-0.03	5.38e-05	-6.87e-06	0.0

74	6	-2.33e-03	-0.03	-0.02	7.33e-05	-5.79e-06	0.0
74	10	-1.92e-03	-0.02	-0.02	3.75e-05	-4.79e-06	0.0
74	12	-1.64e-03	-0.02	-0.02	5.05e-05	-4.07e-06	0.0
74	14	-1.23e-03	-6.89e-03	-0.02	1.43e-05	-3.07e-06	0.0
74	16	-1.03e-03	-9.74e-03	-0.01	2.06e-05	-2.56e-06	0.0
74	18	-9.96e-04	-6.50e-03	-0.01	1.35e-05	-2.48e-06	0.0
74	19	0.30	0.13	-0.09	-2.97e-04	7.00e-04	0.0
74	22	-0.30	-0.14	0.06	3.24e-04	-7.05e-04	0.0
74	30	-0.31	-0.12	0.05	2.75e-04	-7.38e-04	0.0
74	51	0.24	0.10	-0.07	-2.25e-04	5.59e-04	0.0
74	54	-0.24	-0.11	0.04	2.52e-04	-5.64e-04	0.0
74	62	-0.25	-0.10	0.03	2.16e-04	-5.91e-04	0.0
74	83	0.21	0.09	-0.06	-1.99e-04	5.01e-04	0.0
74	86	-0.21	-0.10	0.04	2.26e-04	-5.06e-04	0.0
74	94	-0.22	-0.09	0.03	1.94e-04	-5.30e-04	0.0
74	115	0.34	0.15	-0.10	-3.49e-04	8.11e-04	0.0
74	118	-0.34	-0.17	0.07	3.76e-04	-8.16e-04	0.0
74	126	-0.36	-0.14	0.06	3.16e-04	-8.50e-04	0.0
75	2	-0.25	0.09	-0.25	-8.58e-05	-5.47e-05	0.0
75	10	-0.17	0.06	-0.18	-6.04e-05	-3.81e-05	0.0
75	14	-0.11	0.06	-0.13	-4.03e-05	-2.47e-05	0.0
75	18	-0.09	0.05	-0.11	-3.37e-05	-1.98e-05	0.0
75	21	-6.37	2.81	-0.66	-5.82e-04	9.27e-04	0.0
75	22	-6.49	2.48	-0.60	-5.41e-04	9.02e-04	0.0
75	25	-6.46	2.81	-0.66	-5.79e-04	9.08e-04	0.0
75	53	-4.93	2.16	-0.53	-4.51e-04	7.74e-04	0.0
75	54	-5.02	1.86	-0.48	-4.14e-04	7.53e-04	0.0
75	57	-5.00	2.16	-0.53	-4.48e-04	7.58e-04	0.0
75	85	-4.41	1.93	-0.48	-4.05e-04	6.97e-04	0.0
75	86	-4.48	1.66	-0.44	-3.72e-04	6.77e-04	0.0
75	89	-4.47	1.93	-0.48	-4.02e-04	6.82e-04	0.0
75	117	-7.43	3.28	-0.75	-6.76e-04	1.06e-03	0.0
75	118	-7.56	2.91	-0.69	-6.30e-04	1.04e-03	0.0
75	121	-7.53	3.28	-0.75	-6.72e-04	1.04e-03	0.0
76	2	0.03	-0.01	-0.03	2.66e-05	6.55e-05	0.0
76	10	0.02	-8.25e-03	-0.02	1.88e-05	4.59e-05	0.0
76	14	0.01	-5.25e-03	-0.02	1.19e-05	3.16e-05	0.0
76	18	0.01	-4.51e-03	-0.01	1.02e-05	2.56e-05	0.0
76	24	0.64	-0.07	-0.09	1.69e-04	1.52e-03	3.13e-03
76	27	0.65	-0.05	-0.07	1.17e-04	1.55e-03	-2.01e-03
76	56	0.49	-0.06	-0.07	1.32e-04	1.16e-03	1.90e-03
76	59	0.50	-0.04	-0.05	9.01e-05	1.19e-03	-1.23e-03
76	88	0.43	-0.05	-0.06	1.19e-04	1.03e-03	1.65e-03
76	91	0.44	-0.03	-0.05	8.11e-05	1.06e-03	-1.07e-03
76	120	0.75	-0.08	-0.10	1.96e-04	1.78e-03	4.03e-03
76	123	0.75	-0.06	-0.07	1.35e-04	1.79e-03	-2.57e-03
77	2	-0.08	0.20	-0.18	5.32e-05	-3.53e-05	0.0
77	10	-0.06	0.14	-0.13	3.77e-05	-2.46e-05	0.0
77	14	-0.04	0.11	-0.09	2.52e-05	-1.59e-05	0.0
77	18	-0.03	0.09	-0.08	2.20e-05	-1.28e-05	0.0
77	21	-4.83	1.28	-0.47	-4.63e-04	-1.24e-03	0.0
77	25	-4.90	1.29	-0.47	-4.67e-04	-1.25e-03	0.0
77	30	-5.09	0.94	-0.36	-3.08e-04	-1.26e-03	0.0
77	53	-3.83	1.00	-0.38	-3.50e-04	-9.65e-04	0.0
77	57	-3.88	1.00	-0.38	-3.53e-04	-9.79e-04	0.0
77	62	-4.05	0.72	-0.29	-2.24e-04	-9.89e-04	0.0
77	85	-3.44	0.90	-0.35	-3.10e-04	-8.64e-04	0.0
77	89	-3.48	0.90	-0.35	-3.12e-04	-8.76e-04	0.0
77	94	-3.63	0.65	-0.27	-1.96e-04	-8.85e-04	0.0
77	117	-5.61	1.48	-0.54	-5.45e-04	-1.44e-03	0.0
77	121	-5.68	1.49	-0.54	-5.49e-04	-1.46e-03	0.0
77	126	-5.87	1.08	-0.41	-3.63e-04	-1.45e-03	0.0
78	2	-2.75e-03	0.02	-0.04	-3.63e-05	-6.86e-06	0.0
78	10	-1.92e-03	0.01	-0.03	-2.56e-05	-4.79e-06	0.0
78	14	-1.23e-03	9.25e-03	-0.02	-2.14e-05	-3.07e-06	0.0
78	18	-9.94e-04	7.25e-03	-0.02	-1.69e-05	-2.48e-06	0.0
78	21	-0.29	-0.02	-0.09	2.72e-05	-6.91e-04	0.0
78	24	0.29	0.03	0.05	-6.12e-05	6.97e-04	0.0
78	30	-0.31	-0.01	-0.07	1.41e-05	-7.38e-04	0.0
78	53	-0.23	-0.01	-0.07	1.68e-05	-5.52e-04	0.0
78	56	0.24	0.03	0.04	-5.07e-05	5.57e-04	0.0
78	62	-0.25	-7.25e-03	-0.06	6.32e-06	-5.91e-04	0.0
78	85	-0.21	-0.01	-0.07	1.31e-05	-4.95e-04	0.0
78	88	0.21	0.03	0.03	-4.70e-05	4.99e-04	0.0
78	94	-0.22	-5.62e-03	-0.05	3.71e-06	-5.30e-04	0.0

78	117	-0.34	-0.02	-0.10	3.47e-05	-8.00e-04	0.0
78	120	0.34	0.04	0.07	-6.88e-05	8.08e-04	0.0
78	126	-0.36	-0.02	-0.08	1.92e-05	-8.50e-04	0.0
79	1	-0.04	-0.02	-0.04	2.57e-05	-6.82e-06	0.0
79	2	-0.11	-0.11	-0.03	5.77e-05	-2.09e-05	0.0
79	9	-0.03	-0.01	-0.03	1.87e-05	-5.26e-06	0.0
79	10	-0.08	-0.08	-0.03	4.01e-05	-1.47e-05	0.0
79	13	-0.03	-0.03	-0.03	1.22e-05	-5.32e-06	0.0
79	14	-0.05	-0.06	-0.03	2.29e-05	-1.00e-05	0.0
79	17	-0.03	-0.03	-0.03	1.22e-05	-5.32e-06	0.0
79	18	-0.04	-0.05	-0.03	1.86e-05	-8.14e-06	0.0
79	19	1.74	2.91	-0.39	-3.75e-04	3.13e-04	0.0
79	21	-1.90	-2.58	0.32	3.79e-04	-3.41e-04	0.0
79	22	-1.83	-3.01	0.33	4.13e-04	-3.30e-04	0.0
79	51	1.30	2.22	-0.30	-2.81e-04	2.35e-04	0.0
79	53	-1.45	-1.93	0.23	2.89e-04	-2.61e-04	0.0
79	54	-1.39	-2.32	0.24	3.19e-04	-2.51e-04	0.0
79	83	1.16	1.97	-0.27	-2.48e-04	2.08e-04	0.0
79	85	-1.29	-1.72	0.20	2.59e-04	-2.33e-04	0.0
79	86	-1.24	-2.07	0.21	2.86e-04	-2.24e-04	0.0
79	115	2.05	3.41	-0.45	-4.42e-04	3.69e-04	0.0
79	117	-2.21	-3.02	0.37	4.42e-04	-3.99e-04	0.0
79	118	-2.14	-3.51	0.39	4.80e-04	-3.85e-04	0.0
80	1	-0.01	-0.27	-0.03	6.73e-06	-5.52e-06	0.0
80	2	-0.04	-0.29	-0.02	1.80e-05	-1.64e-05	0.0
80	6	-0.03	-0.45	-0.03	2.14e-05	-1.31e-05	0.0
80	9	-9.39e-03	-0.18	-0.02	4.14e-06	-4.25e-06	0.0
80	10	-0.03	-0.20	-0.02	1.17e-05	-1.15e-05	0.0
80	12	-0.02	-0.30	-0.02	1.39e-05	-9.30e-06	0.0
80	13	-9.52e-03	-0.01	-0.02	-2.63e-06	-4.30e-06	0.0
80	14	-0.02	-0.02	-0.02	1.14e-06	-7.93e-06	0.0
80	16	-0.02	-0.07	-0.02	1.88e-06	-6.46e-06	0.0
80	17	-9.52e-03	-0.01	-0.02	-2.63e-06	-4.30e-06	0.0
80	18	-0.02	-0.02	-0.02	0.0	-6.48e-06	0.0
80	19	0.73	1.55	-0.27	-3.78e-04	2.43e-04	0.0
80	21	-0.79	-1.33	0.22	3.28e-04	-2.65e-04	0.0
80	22	-0.76	-1.59	0.23	3.77e-04	-2.55e-04	0.0
80	51	0.54	1.19	-0.21	-2.89e-04	1.81e-04	0.0
80	53	-0.60	-0.99	0.16	2.44e-04	-2.02e-04	0.0
80	54	-0.58	-1.22	0.17	2.88e-04	-1.94e-04	0.0
80	83	0.48	1.05	-0.19	-2.58e-04	1.61e-04	0.0
80	85	-0.54	-0.88	0.14	2.17e-04	-1.81e-04	0.0
80	86	-0.51	-1.09	0.15	2.57e-04	-1.74e-04	0.0
80	115	0.85	1.81	-0.32	-4.42e-04	2.85e-04	0.0
80	117	-0.92	-1.56	0.27	3.86e-04	-3.09e-04	0.0
80	118	-0.89	-1.85	0.28	4.41e-04	-2.98e-04	0.0
81	1	-3.42e-04	-0.02	-6.32e-03	3.76e-05	0.0	0.0
81	2	-1.96e-03	-0.02	-5.23e-03	3.87e-05	-4.76e-06	0.0
81	6	-1.47e-03	-0.03	-5.54e-03	5.81e-05	-3.58e-06	0.0
81	9	-2.64e-04	-0.01	-4.86e-03	2.59e-05	0.0	0.0
81	10	-1.35e-03	-0.01	-4.14e-03	2.66e-05	-3.26e-06	0.0
81	12	-1.02e-03	-0.02	-4.35e-03	3.96e-05	-2.48e-06	0.0
81	13	-2.71e-04	-2.77e-03	-4.87e-03	6.19e-06	0.0	0.0
81	14	-8.11e-04	-2.91e-03	-4.51e-03	6.56e-06	-1.99e-06	0.0
81	16	-5.93e-04	-6.78e-03	-4.65e-03	1.30e-05	-1.46e-06	0.0
81	17	-2.71e-04	-2.77e-03	-4.87e-03	6.19e-06	0.0	0.0
81	18	-5.95e-04	-2.85e-03	-4.65e-03	6.41e-06	-1.47e-06	0.0
81	19	0.04	0.11	-0.06	-2.53e-04	9.30e-05	0.0
81	21	-0.04	-0.09	0.05	2.21e-04	-9.96e-05	0.0
81	22	-0.04	-0.11	0.05	2.66e-04	-9.59e-05	0.0
81	51	0.03	0.08	-0.05	-1.93e-04	6.99e-05	0.0
81	53	-0.03	-0.07	0.03	1.65e-04	-7.60e-05	0.0
81	54	-0.03	-0.09	0.04	2.06e-04	-7.28e-05	0.0
81	83	0.03	0.07	-0.04	-1.71e-04	6.20e-05	0.0
81	85	-0.03	-0.06	0.03	1.47e-04	-6.78e-05	0.0
81	86	-0.03	-0.08	0.03	1.84e-04	-6.49e-05	0.0
81	115	0.05	0.13	-0.07	-2.97e-04	1.09e-04	0.0
81	117	-0.05	-0.11	0.06	2.59e-04	-1.16e-04	0.0
81	118	-0.05	-0.13	0.06	3.10e-04	-1.12e-04	0.0
82	2	-0.11	0.10	-0.08	-3.99e-05	-2.03e-05	0.0
82	6	-0.09	0.11	-0.07	-2.56e-05	-1.60e-05	0.0
82	10	-0.08	0.07	-0.06	-2.83e-05	-1.42e-05	0.0
82	12	-0.06	0.08	-0.05	-1.88e-05	-1.13e-05	0.0
82	14	-0.05	0.02	-0.05	-2.33e-05	-9.57e-06	0.0
82	16	-0.04	0.02	-0.05	-1.76e-05	-7.68e-06	0.0

82	18	-0.04	0.01	-0.05	-1.93e-05	-7.70e-06	0.0
82	21	-1.90	2.77	-0.40	-5.20e-04	-3.41e-04	0.0
82	25	-1.84	2.79	-0.40	-5.18e-04	-3.32e-04	0.0
82	53	-1.45	2.13	-0.32	-4.01e-04	-2.61e-04	0.0
82	57	-1.40	2.14	-0.31	-3.99e-04	-2.53e-04	0.0
82	85	-1.30	1.90	-0.29	-3.59e-04	-2.33e-04	0.0
82	89	-1.25	1.91	-0.28	-3.58e-04	-2.26e-04	0.0
82	117	-2.21	3.24	-0.46	-6.05e-04	-3.98e-04	0.0
82	121	-2.15	3.26	-0.46	-6.03e-04	-3.88e-04	0.0
83	2	-0.05	-0.10	-0.05	7.10e-05	-1.52e-05	0.0
83	7	-0.01	-0.32	-0.03	4.77e-05	-3.44e-06	0.0
83	10	-0.04	-0.06	-0.04	4.96e-05	-1.06e-05	0.0
83	11	-0.01	-0.21	-0.03	3.74e-05	-3.48e-06	0.0
83	14	-0.02	0.05	-0.03	2.70e-05	-7.11e-06	0.0
83	18	-0.02	0.04	-0.03	2.29e-05	-5.68e-06	0.0
83	21	-0.79	0.88	-0.29	-4.61e-04	-2.64e-04	0.0
83	25	-0.77	0.89	-0.28	-4.63e-04	-2.57e-04	0.0
83	53	-0.61	0.69	-0.23	-3.48e-04	-2.02e-04	0.0
83	57	-0.59	0.69	-0.22	-3.50e-04	-1.95e-04	0.0
83	85	-0.54	0.62	-0.20	-3.07e-04	-1.80e-04	0.0
83	89	-0.52	0.62	-0.20	-3.09e-04	-1.74e-04	0.0
83	117	-0.92	1.03	-0.33	-5.42e-04	-3.08e-04	0.0
83	121	-0.90	1.03	-0.33	-5.45e-04	-3.00e-04	0.0
84	2	-3.01e-03	0.02	-0.01	-4.75e-05	-7.10e-06	0.0
84	10	-2.13e-03	0.01	-8.61e-03	-3.38e-05	-5.03e-06	0.0
84	14	-1.55e-03	0.01	-7.56e-03	-2.88e-05	-3.65e-06	0.0
84	18	-1.32e-03	0.01	-7.13e-03	-2.36e-05	-3.09e-06	0.0
84	21	-0.04	0.01	-0.06	-3.25e-05	-1.01e-04	0.0
84	46	-0.01	0.02	-0.02	-3.58e-05	-3.54e-05	0.0
84	53	-0.03	0.01	-0.05	-3.02e-05	-7.77e-05	0.0
84	78	-0.01	0.01	-0.02	-3.33e-05	-2.79e-05	0.0
84	85	-0.03	0.01	-0.04	-2.95e-05	-6.94e-05	0.0
84	110	-0.01	0.01	-0.02	-3.23e-05	-2.52e-05	0.0
84	117	-0.05	0.01	-0.07	-3.40e-05	-1.18e-04	0.0
84	142	-0.02	0.02	-0.02	-3.79e-05	-4.08e-05	0.0
85	2	6.73e-03	-0.01	-0.01	2.85e-05	1.45e-05	0.0
85	6	4.85e-03	-0.01	-9.29e-03	3.06e-05	1.03e-05	0.0
85	10	4.74e-03	-8.50e-03	-7.55e-03	2.00e-05	1.02e-05	0.0
85	12	3.49e-03	-9.09e-03	-6.91e-03	2.14e-05	7.40e-06	0.0
85	14	3.53e-03	-4.74e-03	-6.45e-03	1.11e-05	7.71e-06	0.0
85	16	2.74e-03	-4.89e-03	-6.02e-03	1.15e-05	5.95e-06	0.0
85	18	2.88e-03	-4.14e-03	-6.01e-03	9.70e-06	6.30e-06	0.0
85	19	0.46	0.05	-5.09e-03	-1.23e-04	1.10e-03	0.0
85	22	-0.45	-0.06	-6.94e-03	1.42e-04	-1.08e-03	0.0
85	51	0.35	0.04	-5.29e-03	-9.18e-05	8.31e-04	0.0
85	54	-0.34	-0.05	-6.74e-03	1.11e-04	-8.18e-04	0.0
85	83	0.31	0.03	-5.37e-03	-8.07e-05	7.40e-04	0.0
85	86	-0.30	-0.04	-6.66e-03	1.00e-04	-7.27e-04	0.0
85	115	0.53	0.06	-4.93e-03	-1.45e-04	1.28e-03	0.0
85	118	-0.53	-0.07	-7.09e-03	1.64e-04	-1.27e-03	0.0
86	2	0.03	-8.54e-03	-0.02	1.95e-05	6.17e-05	0.0
86	6	0.02	-8.77e-03	-0.02	2.02e-05	4.79e-05	0.0
86	10	0.02	-6.05e-03	-0.01	1.38e-05	4.33e-05	0.0
86	12	0.02	-6.20e-03	-0.01	1.43e-05	3.40e-05	0.0
86	14	0.01	-3.78e-03	-0.01	8.62e-06	3.00e-05	0.0
86	18	0.01	-3.35e-03	-9.26e-03	7.65e-06	2.43e-05	0.0
86	19	0.46	-0.06	-9.35e-03	1.35e-04	1.11e-03	-2.35e-03
86	24	0.46	-0.07	-9.57e-03	1.61e-04	1.10e-03	2.76e-03
86	44	0.16	-0.04	-9.70e-03	9.52e-05	3.71e-04	9.76e-03
86	51	0.35	-0.04	-9.31e-03	1.02e-04	8.46e-04	-1.48e-03
86	56	0.35	-0.05	-9.51e-03	1.26e-04	8.41e-04	1.63e-03
86	76	0.12	-0.03	-9.65e-03	8.06e-05	2.87e-04	5.85e-03
86	83	0.32	-0.04	-9.30e-03	9.16e-05	7.55e-04	-1.29e-03
86	88	0.31	-0.05	-9.48e-03	1.13e-04	7.51e-04	1.41e-03
86	108	0.11	-0.03	-9.61e-03	7.32e-05	2.58e-04	5.07e-03
86	115	0.54	-0.07	-9.36e-03	1.58e-04	1.30e-03	-2.97e-03
86	120	0.54	-0.08	-9.62e-03	1.87e-04	1.29e-03	3.59e-03
86	140	0.18	-0.05	-9.76e-03	1.08e-04	4.30e-04	0.01

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-20.45	-4.41	-1.95	-1.21e-03	-3.48e-03	-0.03
	18.49	4.38	0.59	1.33e-03	3.43e-03	0.10

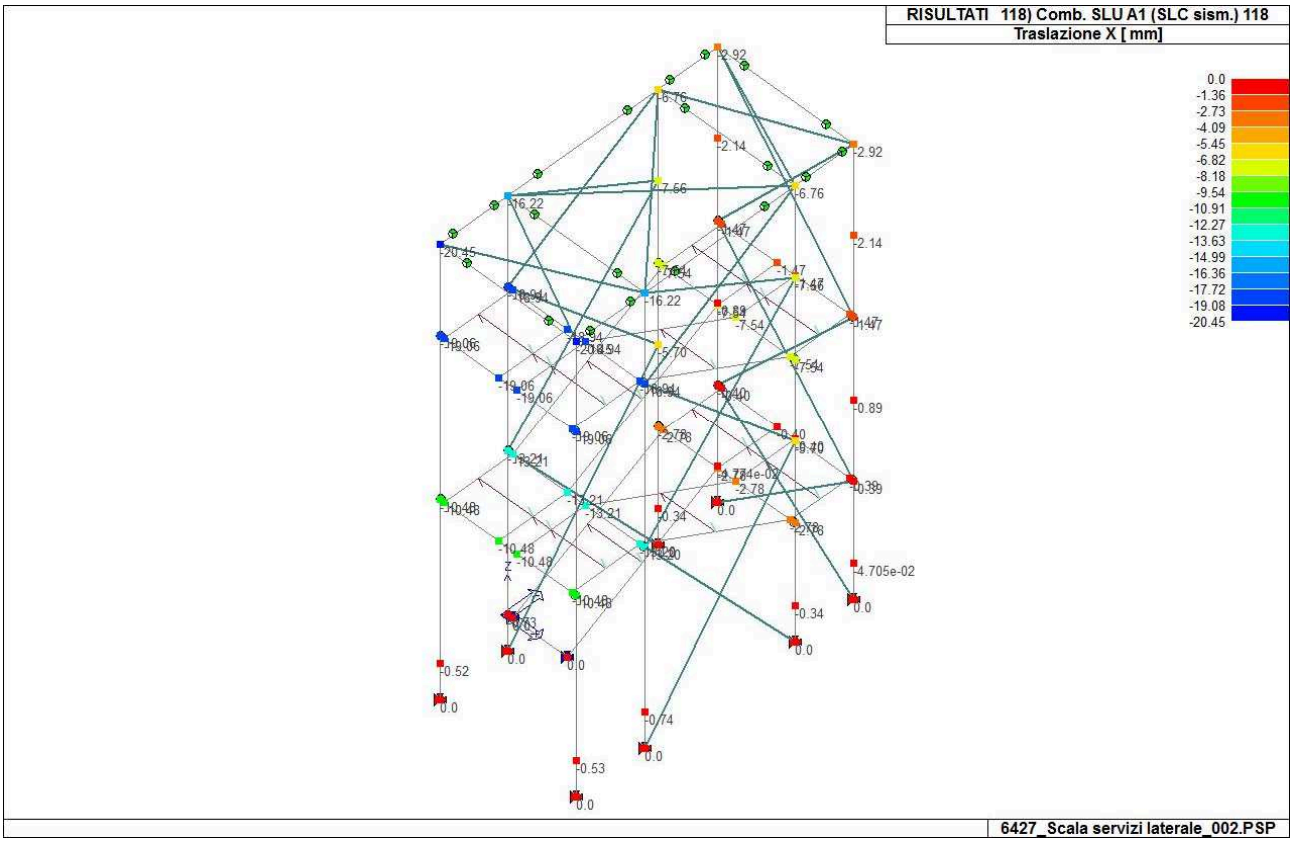


Figura 11: Spostamenti in direzione X - Comb. SLU A1 (SLC sism.) 118

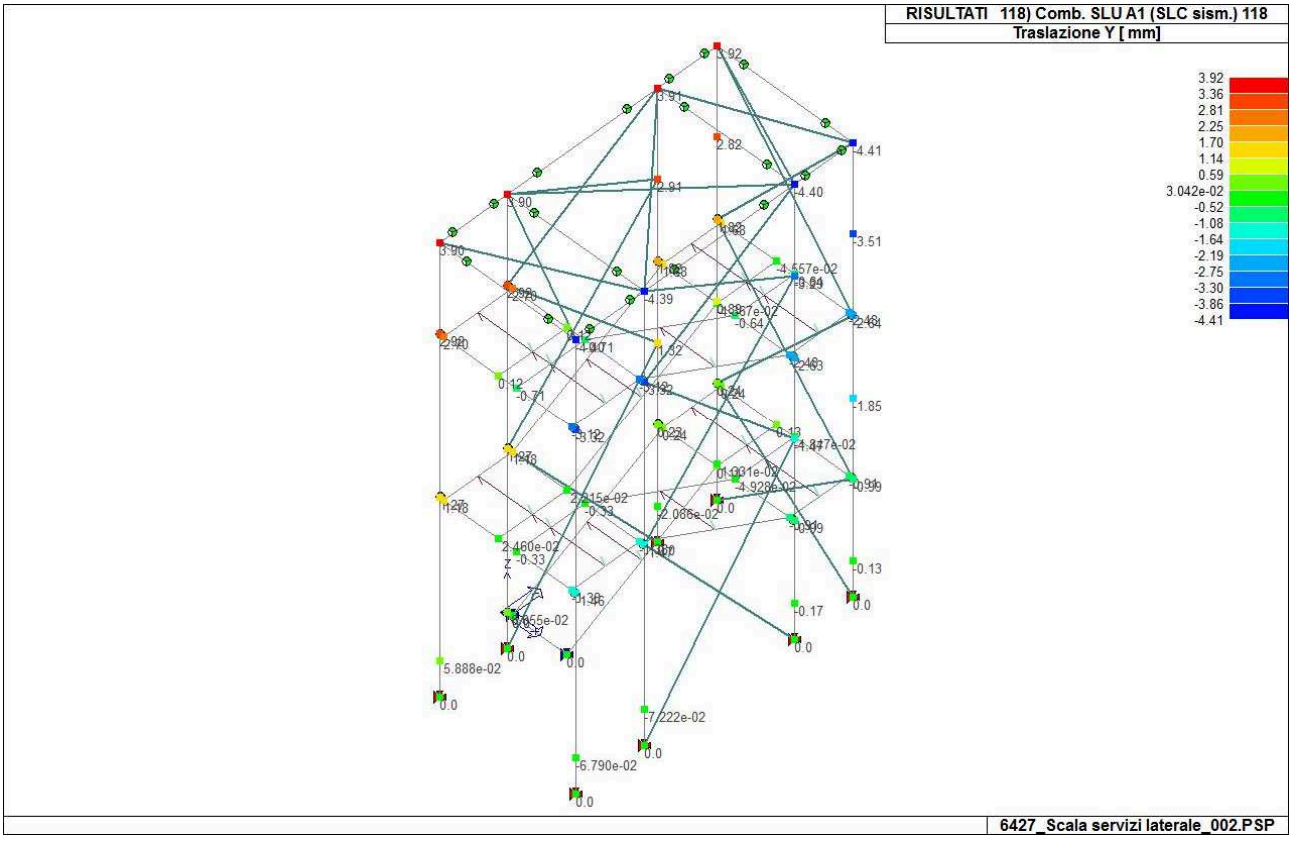


Figura 12: Spostamenti in direzione Y - Comb. SLU A1 (SLC sism.) 118

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
1	2	0.92	-1.96	-67.62	0.18	1.35	-1.93e-05
1	3	0.22	-1.13	-25.26	0.08	0.32	-2.72e-06
1	9	0.23	-0.99	-24.52	0.07	0.33	-4.02e-06
1	10	0.65	-1.40	-48.15	0.13	0.94	-1.37e-05
1	13	0.23	-0.72	-23.02	0.05	0.34	-6.62e-06
1	14	0.44	-0.92	-34.84	0.08	0.65	-1.15e-05
1	17	0.23	-0.72	-23.02	0.05	0.34	-6.62e-06
1	18	0.35	-0.84	-30.11	0.07	0.52	-9.53e-06
1	24	8.35	-30.88	-219.87	1.01	26.10	0.19
1	25	-7.64	29.20	159.65	-0.87	-25.05	-0.19
1	27	8.79	-21.81	-164.78	0.70	26.66	-0.12
1	56	6.40	-23.85	-175.25	0.79	19.85	0.11
1	57	-5.69	22.18	115.03	-0.65	-18.81	-0.11
1	59	6.78	-16.51	-130.98	0.54	20.43	-0.07
1	88	5.73	-21.34	-159.34	0.71	17.72	0.10
1	89	-5.02	19.66	99.13	-0.57	-16.67	-0.10
1	91	6.07	-14.75	-119.62	0.49	18.22	-0.06
1	120	9.72	-35.95	-251.98	1.17	30.50	0.24
1	121	-9.02	34.27	191.77	-1.03	-29.46	-0.24
1	123	10.14	-25.26	-186.91	0.80	30.87	-0.15
2	2	0.26	-5.35	-86.72	0.24	0.38	0.0
2	3	0.06	-2.68	-30.70	0.11	0.08	0.0
2	9	0.06	-2.21	-29.41	0.09	0.09	0.0
2	10	0.18	-3.73	-61.39	0.17	0.27	0.0
2	13	0.07	-1.27	-26.81	0.06	0.10	0.0
2	14	0.12	-2.03	-42.81	0.10	0.19	0.0
2	17	0.07	-1.27	-26.81	0.06	0.10	0.0
2	18	0.10	-1.73	-36.41	0.08	0.15	0.0
2	19	8.19	31.89	153.69	-0.72	25.93	0.0
2	22	-7.99	-35.35	-226.50	0.88	-25.62	0.0
2	27	8.58	26.50	122.14	-0.58	26.36	0.0
2	51	6.22	24.09	109.01	-0.53	19.64	0.0
2	54	-6.02	-27.55	-181.83	0.70	-19.33	0.0
2	59	6.56	20.17	86.03	-0.43	20.11	0.0
2	83	5.54	21.27	93.07	-0.46	17.48	0.0
2	86	-5.34	-24.73	-165.88	0.63	-17.17	0.0
2	91	5.85	17.77	72.59	-0.38	17.90	0.0
2	115	9.58	37.54	185.84	-0.85	30.36	0.0
2	118	-9.38	-41.00	-258.66	1.02	-30.05	0.0
2	123	9.95	30.94	147.23	-0.69	30.58	0.0
3	2	-2.53e-03	7.14	-91.83	-0.23	-0.10	0.0
3	7	-2.50e-03	0.65	-23.35	0.07	-0.03	0.0
3	10	-1.79e-03	5.05	-65.14	-0.16	-0.07	0.0
3	11	-1.93e-03	1.17	-25.36	0.03	-0.03	0.0
3	14	-9.52e-04	3.93	-48.47	-0.14	-0.05	0.0
3	15	-1.02e-03	1.99	-28.58	-0.04	-0.03	0.0
3	17	-7.94e-04	2.19	-29.39	-0.06	-0.02	0.0
3	18	-8.88e-04	3.23	-40.84	-0.11	-0.04	0.0
3	24	4.33	-29.29	151.20	-0.72	12.17	0.0
3	25	-4.33	35.76	-232.87	0.51	-12.24	0.0
3	30	-4.68	25.05	-176.93	0.33	-12.89	0.0
3	56	3.51	-21.77	106.06	-0.58	9.74	0.0
3	57	-3.51	28.24	-187.74	0.36	-9.81	0.0
3	62	-3.80	19.47	-142.74	0.22	-10.35	0.0
3	88	3.15	-19.04	89.97	-0.53	8.73	0.0
3	89	-3.15	25.51	-171.64	0.31	-8.80	0.0
3	94	-3.41	17.63	-131.27	0.18	-9.28	0.0
3	120	5.00	-34.76	183.70	-0.83	14.09	0.0
3	121	-5.01	41.23	-265.37	0.61	-14.17	0.0
3	126	-5.39	28.66	-199.29	0.40	-14.84	0.0
4	2	-2.70e-03	3.81	-65.08	0.43	-0.10	0.0
4	6	-3.22e-03	1.21	-50.69	0.57	-0.09	0.0
4	7	-2.58e-03	-1.98	-16.43	0.50	-0.03	0.0
4	10	-1.91e-03	2.76	-46.47	0.30	-0.07	0.0
4	11	-2.00e-03	-0.79	-18.66	0.37	-0.03	0.0
4	12	-2.26e-03	1.02	-36.88	0.39	-0.06	0.0
4	14	-1.03e-03	2.90	-36.12	0.12	-0.05	0.0
4	15	-1.08e-03	1.13	-22.22	0.16	-0.03	0.0
4	16	-1.19e-03	1.91	-30.02	0.17	-0.04	0.0
4	17	-8.49e-04	1.61	-23.11	0.10	-0.02	0.0
4	18	-9.61e-04	2.39	-30.91	0.11	-0.04	0.0
4	19	4.44	34.06	-222.03	-2.03	12.23	0.0
4	22	-4.44	-29.29	160.20	2.26	-12.30	0.0

4	30	-4.68	-24.20	128.54	1.92	-12.89	0.0
4	51	3.60	26.73	-177.14	-1.54	9.79	0.0
4	54	-3.60	-21.96	115.31	1.77	-9.86	0.0
4	62	-3.80	-18.25	92.24	1.52	-10.35	0.0
4	83	3.23	24.07	-161.10	-1.36	8.77	0.0
4	86	-3.24	-19.30	99.27	1.59	-8.85	0.0
4	94	-3.41	-16.00	78.73	1.36	-9.28	0.0
4	115	5.13	39.38	-254.35	-2.39	14.16	0.0
4	118	-5.13	-34.61	192.52	2.62	-14.24	0.0
4	126	-5.39	-28.38	153.77	2.20	-14.84	0.0
5	2	-3.12	-0.51	-27.45	-0.13	-0.12	0.0
5	7	-1.57	-1.26	-15.21	0.39	-0.04	0.0
5	10	-2.29	-0.33	-20.35	-0.10	-0.09	0.0
5	11	-1.57	-0.81	-15.27	0.22	-0.04	0.0
5	14	-1.94	0.14	-17.90	-0.21	-0.06	0.0
5	15	-1.58	-0.10	-15.36	-0.05	-0.04	0.0
5	17	-1.59	0.08	-15.38	-0.12	-0.04	0.0
5	18	-1.80	0.12	-16.89	-0.17	-0.06	0.0
5	20	17.49	0.48	109.82	-0.27	1.63	0.0
5	21	-21.09	-0.24	-143.60	-0.08	-1.74	0.0
5	44	4.47	0.36	23.76	-0.29	0.38	0.0
5	52	12.86	0.39	79.35	-0.25	1.22	0.0
5	53	-16.46	-0.16	-113.13	-0.10	-1.33	0.0
5	76	3.01	0.32	14.20	-0.27	0.27	0.0
5	84	11.24	0.36	68.74	-0.24	1.08	0.0
5	85	-14.84	-0.13	-102.53	-0.10	-1.19	0.0
5	108	2.49	0.30	10.79	-0.26	0.23	0.0
5	116	20.78	0.54	131.49	-0.28	1.91	0.0
5	117	-24.38	-0.30	-165.28	-0.06	-2.02	0.0
5	140	5.53	0.40	30.65	-0.31	0.46	0.0
6	1	1.30	-0.92	-15.04	0.48	-0.01	0.0
6	2	0.75	-0.92	-12.35	0.49	-0.08	0.0
6	4	0.45	-0.91	-8.87	0.48	-0.08	0.0
6	6	0.92	-1.51	-13.14	0.77	-0.06	0.0
6	9	1.00	-0.62	-11.57	0.33	-9.38e-03	0.0
6	10	0.63	-0.62	-9.78	0.33	-0.05	0.0
6	12	0.74	-1.01	-10.30	0.52	-0.04	0.0
6	13	1.00	-0.03	-11.60	0.04	-9.65e-03	0.0
6	14	0.82	-0.03	-10.70	0.05	-0.03	0.0
6	16	0.89	-0.22	-11.05	0.14	-0.02	0.0
6	17	1.00	-0.03	-11.60	0.04	-9.65e-03	0.0
6	18	0.89	-0.03	-11.06	0.05	-0.02	0.0
6	19	20.19	0.69	-137.81	-1.61	1.59	0.0
6	21	-17.69	-0.62	111.64	1.41	-1.70	0.0
6	22	-18.40	-0.74	115.70	1.70	-1.64	0.0
6	51	15.54	0.52	-107.22	-1.22	1.20	0.0
6	53	-13.15	-0.46	81.62	1.05	-1.30	0.0
6	54	-13.76	-0.58	85.10	1.31	-1.24	0.0
6	83	13.93	0.46	-96.61	-1.09	1.06	0.0
6	85	-11.59	-0.41	71.36	0.94	-1.16	0.0
6	86	-12.14	-0.52	74.50	1.18	-1.11	0.0
6	115	23.49	0.81	-159.53	-1.88	1.87	0.0
6	117	-20.90	-0.72	132.79	1.65	-1.99	0.0
6	118	-21.70	-0.86	137.42	1.97	-1.92	0.0
10	1	-1.53e-04	-4.53	-4.29	0.0	0.0	0.0
10	2	-4.31e-04	-15.17	-16.01	0.0	0.0	0.0
10	3	-1.24e-04	-3.58	-3.35	0.0	0.0	0.0
10	9	-1.14e-04	-3.44	-3.28	0.0	0.0	0.0
10	10	-3.00e-04	-10.53	-11.09	0.0	0.0	0.0
10	13	-9.53e-05	-3.17	-3.14	0.0	0.0	0.0
10	14	-1.88e-04	-6.71	-7.04	0.0	0.0	0.0
10	17	-9.53e-05	-3.17	-3.14	0.0	0.0	0.0
10	18	-1.51e-04	-5.30	-5.48	0.0	0.0	0.0
10	19	2.00e-03	-0.86	-3.10	0.0	0.0	0.0
10	35	7.22e-04	-0.32	-2.87	0.0	0.0	0.0
10	38	-1.02e-03	-10.27	-8.09	0.0	0.0	0.0
10	51	1.54e-03	-1.77	-3.59	0.0	0.0	0.0
10	67	5.63e-04	-0.96	-3.21	0.0	0.0	0.0
10	70	-8.65e-04	-9.63	-7.76	0.0	0.0	0.0
10	83	1.36e-03	-2.15	-3.79	0.0	0.0	0.0
10	99	4.89e-04	-1.39	-3.43	0.0	0.0	0.0
10	102	-7.91e-04	-9.20	-7.53	0.0	0.0	0.0
10	115	2.34e-03	-0.15	-2.72	0.0	0.0	0.0
10	131	8.54e-04	0.35	-2.51	0.0	0.0	0.0
10	134	-1.16e-03	-10.94	-8.45	0.0	0.0	0.0

21	1	-5.08e-05	-0.71	-2.10	0.0	0.0	0.0
21	2	-3.38e-04	3.61	-5.27	0.0	0.0	0.0
21	3	-2.57e-05	-1.11	-1.92	0.0	0.0	0.0
21	9	-4.51e-05	-0.29	-1.48	0.0	0.0	0.0
21	10	-2.37e-04	2.58	-3.59	0.0	0.0	0.0
21	13	-8.38e-05	1.35	-0.59	0.0	0.0	0.0
21	14	-1.80e-04	2.78	-1.64	0.0	0.0	0.0
21	17	-8.38e-05	1.35	-0.59	0.0	0.0	0.0
21	18	-1.41e-04	2.21	-1.22	0.0	0.0	0.0
21	19	1.61e-03	-3.30	-4.19	0.0	0.0	0.0
21	24	1.66e-03	-4.12	-4.63	0.0	0.0	0.0
21	25	-1.94e-03	8.54	2.19	0.0	0.0	0.0
21	51	1.26e-03	-1.93	-3.45	0.0	0.0	0.0
21	56	1.29e-03	-2.60	-3.81	0.0	0.0	0.0
21	57	-1.57e-03	7.01	1.37	0.0	0.0	0.0
21	83	1.11e-03	-1.47	-3.21	0.0	0.0	0.0
21	88	1.14e-03	-2.07	-3.52	0.0	0.0	0.0
21	89	-1.42e-03	6.48	1.08	0.0	0.0	0.0
21	115	1.89e-03	-4.25	-4.70	0.0	0.0	0.0
21	120	1.94e-03	-5.21	-5.22	0.0	0.0	0.0
21	121	-2.22e-03	9.63	2.78	0.0	0.0	0.0
27	2	0.93	-0.07	-39.53	0.13	1.29	1.93e-05
27	3	0.22	-0.03	-15.35	0.07	0.30	2.72e-06
27	6	0.73	-0.07	-33.68	0.13	1.01	1.23e-05
27	9	0.23	-0.03	-15.34	0.06	0.31	4.02e-06
27	10	0.65	-0.05	-28.40	0.09	0.91	1.37e-05
27	12	0.52	-0.05	-24.50	0.09	0.72	9.08e-06
27	13	0.23	-0.02	-15.32	0.04	0.33	6.62e-06
27	14	0.44	-0.03	-21.84	0.06	0.62	1.15e-05
27	17	0.23	-0.02	-15.32	0.04	0.33	6.62e-06
27	18	0.35	-0.03	-19.23	0.05	0.50	9.53e-06
27	19	5.26	-0.21	-19.40	0.79	18.71	-0.14
27	24	5.22	-0.26	-19.86	0.95	18.59	0.17
27	44	1.95	-0.18	-20.13	0.57	6.32	0.58
27	45	-1.24	0.12	-18.33	-0.47	-5.31	-0.58
27	51	4.07	-0.16	-19.33	0.60	14.28	-0.09
27	56	4.03	-0.21	-19.74	0.74	14.19	0.10
27	76	1.57	-0.15	-20.02	0.48	4.92	0.35
27	77	-0.86	0.10	-18.44	-0.38	-3.91	-0.35
27	83	3.66	-0.15	-19.32	0.54	12.76	-0.08
27	88	3.63	-0.19	-19.68	0.67	12.67	0.08
27	108	1.43	-0.14	-19.94	0.44	4.43	0.30
27	109	-0.73	0.08	-18.52	-0.34	-3.42	-0.30
27	115	6.10	-0.24	-19.44	0.93	21.84	-0.18
27	120	6.05	-0.30	-19.96	1.10	21.71	0.21
27	140	2.22	-0.20	-20.26	0.65	7.32	0.76
27	141	-1.51	0.14	-18.21	-0.54	-6.31	-0.76
28	2	0.26	-0.07	-21.34	0.18	0.32	0.0
28	3	0.06	-0.04	-11.28	0.10	0.06	0.0
28	6	0.21	-0.07	-19.36	0.19	0.24	0.0
28	9	0.06	-0.03	-11.26	0.08	0.07	0.0
28	10	0.18	-0.05	-15.73	0.12	0.23	0.0
28	12	0.15	-0.05	-14.41	0.13	0.17	0.0
28	13	0.07	-0.02	-11.24	0.05	0.09	0.0
28	14	0.13	-0.03	-13.47	0.07	0.17	0.0
28	16	0.10	-0.03	-12.58	0.07	0.13	0.0
28	17	0.07	-0.02	-11.24	0.05	0.09	0.0
28	18	0.10	-0.03	-12.57	0.06	0.13	0.0
28	19	5.05	0.14	-10.67	-0.70	18.40	0.0
28	22	-4.85	-0.19	-14.47	0.82	-18.13	0.0
28	51	3.85	0.10	-11.10	-0.52	13.96	0.0
28	54	-3.65	-0.15	-14.05	0.64	-13.69	0.0
28	83	3.44	0.08	-11.26	-0.46	12.43	0.0
28	86	-3.23	-0.14	-13.89	0.58	-12.16	0.0
28	115	5.90	0.16	-10.36	-0.83	21.55	0.0
28	118	-5.70	-0.21	-14.79	0.95	-21.28	0.0

Nodo		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		-24.38	-41.00	-265.37	-2.39	-30.05	-0.76
		23.49	41.23	192.52	2.62	30.87	0.76

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
1	120	9.72	-35.95	-251.98	1.17	30.50	0.24

	121	-9.02	34.27	191.77	-1.03	-29.46	-0.24
	121	-9.02	34.27	191.77	-1.03	-29.46	-0.24
	120	9.72	-35.95	-251.98	1.17	30.50	0.24
	126	-9.44	23.58	126.69	-0.66	-29.83	0.15
	123	10.14	-25.26	-186.91	0.80	30.87	-0.15
2	118	-9.38	-41.00	-258.66	1.02	-30.05	0.0
	115	9.58	37.54	185.84	-0.85	30.36	0.0
	115	9.58	37.54	185.84	-0.85	30.36	0.0
	118	-9.38	-41.00	-258.66	1.02	-30.05	0.0
	126	-9.75	-34.40	-220.04	0.86	-30.28	0.0
	123	9.95	30.94	147.23	-0.69	30.58	0.0
3	121	-5.01	41.23	-265.37	0.61	-14.17	0.0
	120	5.00	-34.76	183.70	-0.83	14.09	0.0
	120	5.00	-34.76	183.70	-0.83	14.09	0.0
	121	-5.01	41.23	-265.37	0.61	-14.17	0.0
	126	-5.39	28.66	-199.29	0.40	-14.84	0.0
	123	5.39	-22.19	117.61	-0.62	14.77	0.0
4	115	5.13	39.38	-254.35	-2.39	14.16	0.0
	118	-5.13	-34.61	192.52	2.62	-14.24	0.0
	115	5.13	39.38	-254.35	-2.39	14.16	0.0
	118	-5.13	-34.61	192.52	2.62	-14.24	0.0
	126	-5.39	-28.38	153.77	2.20	-14.84	0.0
	123	5.39	33.15	-215.60	-1.97	14.77	0.0
5	117	-24.38	-0.30	-165.28	-0.06	-2.02	0.0
	116	20.78	0.54	131.49	-0.28	1.91	0.0
	140	5.53	0.40	30.65	-0.31	0.46	0.0
	7	-1.57	-1.26	-15.21	0.39	-0.04	0.0
	117	-24.38	-0.30	-165.28	-0.06	-2.02	0.0
	116	20.78	0.54	131.49	-0.28	1.91	0.0
6	115	23.49	0.81	-159.53	-1.88	1.87	0.0
	118	-21.70	-0.86	137.42	1.97	-1.92	0.0
	115	23.49	0.81	-159.53	-1.88	1.87	0.0
	118	-21.70	-0.86	137.42	1.97	-1.92	0.0
	117	-20.90	-0.72	132.79	1.65	-1.99	0.0
	116	22.69	0.66	-154.91	-1.56	1.95	0.0
10	2	-4.31e-04	-15.17	-16.01	0.0	0.0	0.0
	131	8.54e-04	0.35	-2.51	0.0	0.0	0.0
	1	-1.53e-04	-4.53	-4.29	0.0	0.0	0.0
	1	-1.53e-04	-4.53	-4.29	0.0	0.0	0.0
	1	-1.53e-04	-4.53	-4.29	0.0	0.0	0.0
	1	-1.53e-04	-4.53	-4.29	0.0	0.0	0.0
21	2	-3.38e-04	3.61	-5.27	0.0	0.0	0.0
	121	-2.22e-03	9.63	2.78	0.0	0.0	0.0
	1	-5.08e-05	-0.71	-2.10	0.0	0.0	0.0
	1	-5.08e-05	-0.71	-2.10	0.0	0.0	0.0
	1	-5.08e-05	-0.71	-2.10	0.0	0.0	0.0
	1	-5.08e-05	-0.71	-2.10	0.0	0.0	0.0
27	2	0.93	-0.07	-39.53	0.13	1.29	1.93e-05
	13	0.23	-0.02	-15.32	0.04	0.33	6.62e-06
	121	-5.35	0.24	-18.51	-1.00	-20.70	-0.21
	120	6.05	-0.30	-19.96	1.10	21.71	0.21
	118	-5.39	0.18	-19.02	-0.82	-20.84	0.18
	115	6.10	-0.24	-19.44	0.93	21.84	-0.18
28	2	0.26	-0.07	-21.34	0.18	0.32	0.0
	115	5.90	0.16	-10.36	-0.83	21.55	0.0
	115	5.90	0.16	-10.36	-0.83	21.55	0.0
	118	-5.70	-0.21	-14.79	0.95	-21.28	0.0
	118	-5.70	-0.21	-14.79	0.95	-21.28	0.0
	115	5.90	0.16	-10.36	-0.83	21.55	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**

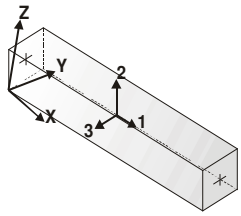
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

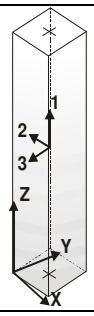
Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / 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.



orientamento elementi 2D non verticali



orientamento elementi 2D verticali

Pilas.	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
33	2	-0.11	0.18	-6.73e-06	0.0	0.0	-21.34	0.26	-0.07	0.0	0.18	-0.32
		-0.32	0.12	1.21e-05	0.0	80.0	-20.71	0.26	-0.07	0.0	0.12	-0.11
33	3	-0.01	0.10	-1.28e-06	0.0	0.0	-11.28	0.06	-0.04	0.0	0.10	-0.06
		-0.06	0.07	6.61e-06	0.0	80.0	-10.79	0.06	-0.04	0.0	0.07	-0.01
33	6	-0.07	0.19	-4.85e-06	0.0	0.0	-19.36	0.21	-0.07	0.0	0.19	-0.24
		-0.24	0.13	1.30e-05	0.0	80.0	-18.73	0.21	-0.07	0.0	0.13	-0.07
33	7	2.94e-04	0.13	0.0	0.0	0.0	-11.31	0.06	-0.05	0.0	0.13	-0.05
		-0.05	0.09	8.86e-06	0.0	80.0	-10.82	0.06	-0.05	0.0	0.09	2.94e-04
33	9	-0.02	0.08	-1.49e-06	0.0	0.0	-11.26	0.06	-0.03	0.0	0.08	-0.07
		-0.07	0.05	5.48e-06	0.0	80.0	-10.78	0.06	-0.03	0.0	0.05	-0.02
33	10	-0.08	0.12	-4.74e-06	0.0	0.0	-15.73	0.18	-0.05	0.0	0.12	-0.23
		-0.23	0.09	8.50e-06	0.0	80.0	-15.24	0.18	-0.05	0.0	0.09	-0.08
33	11	-0.01	0.10	-1.21e-06	0.0	0.0	-11.28	0.06	-0.04	0.0	0.10	-0.06
		-0.06	0.07	6.98e-06	0.0	80.0	-10.80	0.06	-0.04	0.0	0.07	-0.01
33	12	-0.05	0.13	-3.49e-06	0.0	0.0	-14.41	0.15	-0.05	0.0	0.13	-0.17
		-0.17	0.09	9.09e-06	0.0	80.0	-13.92	0.15	-0.05	0.0	0.09	-0.05
33	13	-0.04	0.05	-1.91e-06	0.0	0.0	-11.24	0.07	-0.02	0.0	0.05	-0.09
		-0.09	0.03	3.24e-06	0.0	80.0	-10.75	0.07	-0.02	0.0	0.03	-0.04
33	14	-0.06	0.07	-3.53e-06	0.0	0.0	-13.47	0.13	-0.03	0.0	0.07	-0.17
		-0.17	0.05	4.74e-06	0.0	80.0	-12.98	0.13	-0.03	0.0	0.05	-0.06
33	15	-0.03	0.06	-1.77e-06	0.0	0.0	-11.24	0.06	-0.02	0.0	0.06	-0.08
		-0.08	0.04	3.99e-06	0.0	80.0	-10.76	0.06	-0.02	0.0	0.04	-0.03
33	16	-0.05	0.07	-2.74e-06	0.0	0.0	-12.58	0.10	-0.03	0.0	0.07	-0.13
		-0.13	0.05	4.89e-06	0.0	80.0	-12.10	0.10	-0.03	0.0	0.05	-0.05
33	17	-0.04	0.05	-1.91e-06	0.0	0.0	-11.24	0.07	-0.02	0.0	0.05	-0.09
		-0.09	0.03	3.24e-06	0.0	80.0	-10.75	0.07	-0.02	0.0	0.03	-0.04
33	18	-0.05	0.06	-2.88e-06	0.0	0.0	-12.57	0.10	-0.03	0.0	0.06	-0.13
		-0.13	0.04	4.14e-06	0.0	80.0	-12.09	0.10	-0.03	0.0	0.04	-0.05
33	19	-14.37	-0.59	-4.56e-04	0.0	0.0	-10.67	5.05	0.14	0.0	-0.70	-18.40
		-18.40	-0.70	-5.04e-05	0.0	80.0	-10.19	5.05	0.14	0.0	-0.59	-14.37
33	22	18.13	0.82	4.51e-04	0.0	0.0	-14.47	-4.85	-0.19	0.0	0.82	18.13
		14.27	0.67	5.87e-05	0.0	80.0	-13.99	-4.85	-0.19	0.0	0.67	14.27
33	51	-10.88	-0.44	-3.46e-04	0.0	0.0	-11.10	3.85	0.10	0.0	-0.52	-13.96
		-13.96	-0.52	-3.77e-05	0.0	80.0	-10.61	3.85	0.10	0.0	-0.44	-10.88

33	54	13.69	0.64	3.40e-04	0.0	0.0	-14.05	-3.65	-0.15	0.0	0.64	13.69
		10.78	0.53	4.60e-05	0.0	80.0	-13.56	-3.65	-0.15	0.0	0.53	10.78
33	83	-9.69	-0.39	-3.08e-04	0.0	0.0	-11.26	3.44	0.08	0.0	-0.46	-12.43
		-12.43	-0.46	-3.31e-05	0.0	80.0	-10.77	3.44	0.08	0.0	-0.39	-9.69
33	86	12.16	0.58	3.02e-04	0.0	0.0	-13.89	-3.23	-0.14	0.0	0.58	12.16
		9.58	0.47	4.14e-05	0.0	80.0	-13.40	-3.23	-0.14	0.0	0.47	9.58
33	115	-16.84	-0.70	-5.34e-04	0.0	0.0	-10.36	5.90	0.16	0.0	-0.83	-21.55
		-21.55	-0.83	-5.96e-05	0.0	80.0	-9.87	5.90	0.16	0.0	-0.70	-16.84
33	118	21.28	0.95	5.29e-04	0.0	0.0	-14.79	-5.70	-0.21	0.0	0.95	21.28
		16.73	0.78	6.79e-05	0.0	80.0	-14.30	-5.70	-0.21	0.0	0.78	16.73
36	2	-0.55	0.13	-2.80e-05	0.0	0.0	-39.53	0.93	-0.07	1.93e-05	0.13	-1.29
		-1.29	0.07	8.54e-06	0.0	80.0	-38.90	0.93	-0.07	1.93e-05	0.07	-0.55
36	3	-0.12	0.07	-6.47e-06	0.0	0.0	-15.35	0.22	-0.03	2.72e-06	0.07	-0.30
		-0.30	0.04	4.50e-06	0.0	80.0	-14.86	0.22	-0.03	2.72e-06	0.04	-0.12
36	6	-0.42	0.13	-2.18e-05	0.0	0.0	-33.68	0.73	-0.07	1.23e-05	0.13	-1.01
		-1.01	0.08	8.77e-06	0.0	80.0	-33.05	0.73	-0.07	1.23e-05	0.08	-0.42
36	7	-0.11	0.09	-6.06e-06	0.0	0.0	-15.38	0.22	-0.04	0.0	0.09	-0.29
		-0.29	0.05	5.70e-06	0.0	80.0	-14.89	0.22	-0.04	0.0	0.05	-0.11
36	9	-0.13	0.06	-6.68e-06	0.0	0.0	-15.34	0.23	-0.03	4.02e-06	0.06	-0.31
		-0.31	0.04	3.90e-06	0.0	80.0	-14.85	0.23	-0.03	4.02e-06	0.04	-0.13
36	10	-0.39	0.09	-1.96e-05	0.0	0.0	-28.40	0.65	-0.05	1.37e-05	0.09	-0.91
		-0.91	0.05	6.05e-06	0.0	80.0	-27.91	0.65	-0.05	1.37e-05	0.05	-0.39
36	11	-0.12	0.07	-6.40e-06	0.0	0.0	-15.36	0.22	-0.03	2.29e-06	0.07	-0.30
		-0.30	0.04	4.70e-06	0.0	80.0	-14.87	0.22	-0.03	2.29e-06	0.04	-0.12
36	12	-0.30	0.09	-1.55e-05	0.0	0.0	-24.50	0.52	-0.05	9.08e-06	0.09	-0.72
		-0.72	0.06	6.20e-06	0.0	80.0	-24.01	0.52	-0.05	9.08e-06	0.06	-0.30
36	13	-0.14	0.04	-7.10e-06	0.0	0.0	-15.32	0.23	-0.02	6.62e-06	0.04	-0.33
		-0.33	0.02	2.70e-06	0.0	80.0	-14.83	0.23	-0.02	6.62e-06	0.02	-0.14
36	14	-0.27	0.06	-1.36e-05	0.0	0.0	-21.84	0.44	-0.03	1.15e-05	0.06	-0.62
		-0.62	0.03	3.78e-06	0.0	80.0	-21.36	0.44	-0.03	1.15e-05	0.03	-0.27
36	15	-0.14	0.05	-6.96e-06	0.0	0.0	-15.32	0.23	-0.02	5.75e-06	0.05	-0.32
		-0.32	0.03	3.10e-06	0.0	80.0	-14.84	0.23	-0.02	5.75e-06	0.03	-0.14
36	17	-0.14	0.04	-7.10e-06	0.0	0.0	-15.32	0.23	-0.02	6.62e-06	0.04	-0.33
		-0.33	0.02	2.70e-06	0.0	80.0	-14.83	0.23	-0.02	6.62e-06	0.02	-0.14
36	18	-0.22	0.05	-1.10e-05	0.0	0.0	-19.23	0.35	-0.03	9.53e-06	0.05	-0.50
		-0.50	0.03	3.35e-06	0.0	80.0	-18.75	0.35	-0.03	9.53e-06	0.03	-0.22
36	19	-14.51	0.79	-4.63e-04	0.0	0.0	-19.40	5.26	-0.21	-0.14	0.79	-18.71
		-18.71	0.63	5.62e-05	0.0	80.0	-18.92	5.26	-0.21	-0.14	0.63	-14.51
36	22	17.70	-0.57	4.41e-04	0.0	0.0	-19.06	-4.55	0.15	0.14	-0.69	17.70
		14.07	-0.69	-4.95e-05	0.0	80.0	-18.57	-4.55	0.15	0.14	-0.57	14.07
36	24	-14.43	0.95	-4.60e-04	0.0	0.0	-19.86	5.22	-0.26	0.17	0.95	-18.59
		-18.59	0.75	6.71e-05	0.0	80.0	-19.37	5.22	-0.26	0.17	0.75	-14.43
36	25	17.59	-0.69	4.38e-04	0.0	0.0	-18.61	-4.51	0.20	-0.17	-0.85	17.59
		13.99	-0.85	-6.04e-05	0.0	80.0	-18.12	-4.51	0.20	-0.17	-0.69	13.99
36	44	-4.77	0.57	-1.55e-04	0.0	0.0	-20.13	1.95	-0.18	0.58	0.57	-6.32
		-6.32	0.43	3.99e-05	0.0	80.0	-19.65	1.95	-0.18	0.58	0.43	-4.77
36	45	5.31	-0.37	1.33e-04	0.0	0.0	-18.33	-1.24	0.12	-0.58	-0.47	5.31
		4.32	-0.47	-3.32e-05	0.0	80.0	-17.84	-1.24	0.12	-0.58	-0.37	4.32
36	51	-11.03	0.60	-3.53e-04	0.0	0.0	-19.33	4.07	-0.16	-0.09	0.60	-14.28
		-14.28	0.47	4.25e-05	0.0	80.0	-18.84	4.07	-0.16	-0.09	0.47	-11.03
36	54	13.27	-0.42	3.31e-04	0.0	0.0	-19.13	-3.36	0.10	0.09	-0.50	13.27
		10.59	-0.50	-3.58e-05	0.0	80.0	-18.65	-3.36	0.10	0.09	-0.42	10.59
36	56	-10.97	0.74	-3.51e-04	0.0	0.0	-19.74	4.03	-0.21	0.10	0.74	-14.19
		-14.19	0.58	5.24e-05	0.0	80.0	-19.25	4.03	-0.21	0.10	0.58	-10.97
36	57	13.18	-0.52	3.29e-04	0.0	0.0	-18.73	-3.33	0.15	-0.10	-0.64	13.18
		10.52	-0.64	-4.57e-05	0.0	80.0	-18.24	-3.33	0.15	-0.10	-0.52	10.52
36	76	-3.67	0.48	-1.20e-04	0.0	0.0	-20.02	1.57	-0.15	0.35	0.48	-4.92
		-4.92	0.36	3.38e-05	0.0	80.0	-19.53	1.57	-0.15	0.35	0.36	-3.67
36	77	3.91	-0.31	9.84e-05	0.0	0.0	-18.44	-0.86	0.10	-0.35	-0.38	3.91
		3.22	-0.38	-2.71e-05	0.0	80.0	-17.96	-0.86	0.10	-0.35	-0.31	3.22
36	83	-9.84	0.54	-3.15e-04	0.0	0.0	-19.32	3.66	-0.15	-0.08	0.54	-12.76
		-12.76	0.42	3.81e-05	0.0	80.0	-18.83	3.66	-0.15	-0.08	0.42	-9.84
36	86	11.75	-0.37	2.93e-04	0.0	0.0	-19.15	-2.95	0.09	0.08	-0.44	11.75
		9.39	-0.44	-3.14e-05	0.0	80.0	-18.66	-2.95	0.09	0.08	-0.37	9.39
36	88	-9.78	0.67	-3.13e-04	0.0	0.0	-19.68	3.63	-0.19	0.08	0.67	-12.67
		-12.67	0.52	4.70e-05	0.0	80.0	-19.20	3.63	-0.19	0.08	0.52	-9.78
36	89	11.66	-0.46	2.91e-04	0.0	0.0	-18.78	-2.92	0.13	-0.08	-0.56	11.66
		9.33	-0.56	-4.03e-05	0.0	80.0	-18.29	-2.92	0.13	-0.08	-0.46	9.33
36	108	-3.29	0.44	-1.08e-04	0.0	0.0	-19.94	1.43	-0.14	0.30	0.44	-4.43
		-4.43	0.33	3.07e-05	0.0	80.0	-19.46	1.43	-0.14	0.30	0.33	-3.29
36	109	3.42	-0.27	8.63e-05	0.0	0.0	-18.52	-0.73	0.08	-0.30	-0.34	3.42
		2.84	-0.34	-2.40e-05	0.0	80.0	-18.03	-0.73	0.08	-0.30	-0.27	2.84
36	115	-16.97	0.93	-5.41e-04	0.0	0.0	-19.44	6.10	-0.24	-0.18	0.93	-21.84
		-21.84	0.73	6.56e-05	0.0	80.0	-18.96	6.10	-0.24	-0.18	0.73	-16.97
36	118	20.84	-0.68	5.19e-04	0.0	0.0	-19.02	-5.39	0.18	0.18	-0.82	20.84

		16.53	-0.82	-5.89e-05	0.0	80.0	-18.54	-5.39	0.18	0.18	-0.68	16.53
36	120	-16.88	1.10	-5.38e-04	0.0	0.0	-19.96	6.05	-0.30	0.21	1.10	-21.71
		-21.71	0.87	7.78e-05	0.0	80.0	-19.47	6.05	-0.30	0.21	0.87	-16.88
36	121	20.70	-0.81	5.16e-04	0.0	0.0	-18.51	-5.35	0.24	-0.21	-1.00	20.70
		16.43	-1.00	-7.11e-05	0.0	80.0	-18.02	-5.35	0.24	-0.21	-0.81	16.43
36	140	-5.55	0.65	-1.80e-04	0.0	0.0	-20.26	2.22	-0.20	0.76	0.65	-7.32
		-7.32	0.49	4.53e-05	0.0	80.0	-19.77	2.22	-0.20	0.76	0.49	-5.55
36	141	6.31	-0.43	1.58e-04	0.0	0.0	-18.21	-1.51	0.14	-0.76	-0.54	6.31
		5.11	-0.54	-3.86e-05	0.0	80.0	-17.72	-1.51	0.14	-0.76	-0.43	5.11
39	2	-0.17	0.24	-8.24e-06	0.0	0.0	-78.84	0.26	-0.11	0.0	0.24	-0.38
		-0.38	0.15	1.62e-05	0.0	80.0	-78.21	0.26	-0.11	0.0	0.15	-0.17
39	3	-0.03	0.11	-1.77e-06	0.0	0.0	-26.49	0.06	-0.05	0.0	0.11	-0.08
		-0.08	0.07	7.39e-06	0.0	80.0	-26.01	0.06	-0.05	0.0	0.07	-0.03
39	7	-0.02	0.14	-1.46e-06	0.0	0.0	-27.85	0.06	-0.06	0.0	0.14	-0.07
		-0.07	0.10	9.62e-06	0.0	80.0	-27.36	0.06	-0.06	0.0	0.10	-0.02
39	9	-0.04	0.09	-1.92e-06	0.0	0.0	-25.82	0.06	-0.04	0.0	0.09	-0.09
		-0.09	0.06	6.28e-06	0.0	80.0	-25.33	0.06	-0.04	0.0	0.06	-0.04
39	10	-0.12	0.17	-5.79e-06	0.0	0.0	-55.82	0.18	-0.08	0.0	0.17	-0.27
		-0.27	0.11	1.13e-05	0.0	80.0	-55.34	0.18	-0.08	0.0	0.11	-0.12
39	11	-0.03	0.11	-1.71e-06	0.0	0.0	-26.72	0.06	-0.05	0.0	0.11	-0.08
		-0.08	0.08	7.77e-06	0.0	80.0	-26.23	0.06	-0.05	0.0	0.08	-0.03
39	13	-0.05	0.06	-2.23e-06	0.0	0.0	-24.46	0.07	-0.03	0.0	0.06	-0.10
		-0.10	0.04	4.05e-06	0.0	80.0	-23.98	0.07	-0.03	0.0	0.04	-0.05
39	14	-0.09	0.10	-4.17e-06	0.0	0.0	-39.47	0.12	-0.05	0.0	0.10	-0.19
		-0.19	0.06	6.56e-06	0.0	80.0	-38.98	0.12	-0.05	0.0	0.06	-0.09
39	15	-0.05	0.07	-2.13e-06	0.0	0.0	-24.91	0.06	-0.03	0.0	0.07	-0.10
		-0.10	0.05	4.79e-06	0.0	80.0	-24.43	0.06	-0.03	0.0	0.05	-0.05
39	17	-0.05	0.06	-2.23e-06	0.0	0.0	-24.46	0.07	-0.03	0.0	0.06	-0.10
		-0.10	0.04	4.05e-06	0.0	80.0	-23.98	0.07	-0.03	0.0	0.04	-0.05
39	18	-0.07	0.08	-3.39e-06	0.0	0.0	-33.46	0.10	-0.04	0.0	0.08	-0.15
		-0.15	0.05	5.56e-06	0.0	80.0	-32.98	0.10	-0.04	0.0	0.05	-0.07
39	19	-19.38	-0.60	-6.35e-04	0.0	0.0	112.07	8.19	0.15	0.0	-0.72	-25.93
		-25.93	-0.72	-5.15e-05	0.0	80.0	112.55	8.19	0.15	0.0	-0.60	-19.38
39	22	25.62	0.88	6.28e-04	0.0	0.0	-178.99	-7.99	-0.23	0.0	0.88	25.62
		19.23	0.70	6.26e-05	0.0	80.0	-178.51	-7.99	-0.23	0.0	0.70	19.23
39	27	-19.50	-0.49	-6.44e-04	0.0	0.0	87.66	8.58	0.12	0.0	-0.58	-26.36
		-26.36	-0.58	-4.21e-05	0.0	80.0	88.15	8.58	0.12	0.0	-0.49	-19.50
39	30	26.05	0.75	6.37e-04	0.0	0.0	-154.59	-8.38	-0.20	0.0	0.75	26.05
		19.35	0.59	5.32e-05	0.0	80.0	-154.11	-8.38	-0.20	0.0	0.59	19.35
39	51	-14.67	-0.45	-4.81e-04	0.0	0.0	77.73	6.22	0.10	0.0	-0.53	-19.64
		-19.64	-0.53	-3.82e-05	0.0	80.0	78.22	6.22	0.10	0.0	-0.45	-14.67
39	54	19.33	0.70	4.74e-04	0.0	0.0	-144.66	-6.02	-0.18	0.0	0.70	19.33
		14.52	0.55	4.93e-05	0.0	80.0	-144.17	-6.02	-0.18	0.0	0.55	14.52
39	59	-14.86	-0.37	-4.91e-04	0.0	0.0	59.95	6.56	0.08	0.0	-0.43	-20.11
		-20.11	-0.43	-3.14e-05	0.0	80.0	60.43	6.56	0.08	0.0	-0.37	-14.86
39	62	19.80	0.60	4.84e-04	0.0	0.0	-126.88	-6.36	-0.16	0.0	0.60	19.80
		14.72	0.47	4.25e-05	0.0	80.0	-126.39	-6.36	-0.16	0.0	0.47	14.72
39	83	-13.05	-0.39	-4.28e-04	0.0	0.0	65.52	5.54	0.09	0.0	-0.46	-17.48
		-17.48	-0.46	-3.34e-05	0.0	80.0	66.01	5.54	0.09	0.0	-0.39	-13.05
39	86	17.17	0.63	4.21e-04	0.0	0.0	-132.45	-5.34	-0.17	0.0	0.63	17.17
		12.90	0.50	4.45e-05	0.0	80.0	-131.97	-5.34	-0.17	0.0	0.50	12.90
39	91	-13.22	-0.32	-4.37e-04	0.0	0.0	49.68	5.85	0.07	0.0	-0.38	-17.90
		-17.90	-0.38	-2.73e-05	0.0	80.0	50.17	5.85	0.07	0.0	-0.32	-13.22
39	94	17.59	0.54	4.30e-04	0.0	0.0	-116.61	-5.64	-0.15	0.0	0.54	17.59
		13.08	0.43	3.84e-05	0.0	80.0	-116.13	-5.64	-0.15	0.0	0.43	13.08
39	115	-22.70	-0.71	-7.44e-04	0.0	0.0	136.73	9.58	0.18	0.0	-0.85	-30.36
		-30.36	-0.85	-6.11e-05	0.0	80.0	137.21	9.58	0.18	0.0	-0.71	-22.70
39	118	30.05	1.02	7.37e-04	0.0	0.0	-203.65	-9.38	-0.26	0.0	1.02	30.05
		22.56	0.81	7.22e-05	0.0	80.0	-203.17	-9.38	-0.26	0.0	0.81	22.56
39	123	-22.63	-0.58	-7.47e-04	0.0	0.0	106.86	9.95	0.14	0.0	-0.69	-30.58
		-30.58	-0.69	-4.96e-05	0.0	80.0	107.35	9.95	0.14	0.0	-0.58	-22.63
39	126	30.28	0.86	7.40e-04	0.0	0.0	-173.79	-9.75	-0.22	0.0	0.86	30.28
		22.48	0.68	6.07e-05	0.0	80.0	-173.30	-9.75	-0.22	0.0	0.68	22.48
57	1	0.02	0.68	8.15e-06	0.0	0.0	-9.22	-4.42e-03	-1.44	0.0	0.68	0.02
		0.01	-0.67	1.76e-04	1.38	180.0	-7.80	-4.42e-03	-0.06	0.0	-0.67	0.01
57	2	0.03	0.69	2.59e-05	0.0	0.0	-7.63	-5.33e-03	-1.43	0.0	0.69	0.03
		0.02	-0.65	1.90e-04	1.38	180.0	-6.20	-5.33e-03	-0.05	0.0	-0.65	0.02
57	4	0.03	0.70	2.40e-05	0.0	0.0	-5.50	-4.31e-03	-1.44	0.0	0.70	0.03
		0.02	-0.65	1.90e-04	1.38	180.0	-4.40	-4.31e-03	-0.06	0.0	-0.65	0.02
57	5	0.02	1.16	8.07e-06	0.0	0.0	-9.22	-4.42e-03	-2.41	0.0	1.16	0.02
		0.01	-1.11	2.94e-04	2.29	180.0	-7.79	-4.42e-03	-0.11	0.0	-1.11	0.01
57	7	0.01	1.17	6.16e-06	0.0	0.0	-7.09	-3.39e-03	-2.41	0.0	1.17	0.01
		8.03e-03	-1.11	2.94e-04	2.29	180.0	-5.99	-3.39e-03	-0.12	0.0	-1.11	8.03e-03
57	8	0.02	1.17	1.86e-05	0.0	0.0	-5.97	-4.03e-03	-2.41	0.0	1.17	0.02
		0.02	-1.10	3.04e-04	2.29	180.0	-4.88	-4.03e-03	-0.11	0.0	-1.10	0.02

57	9	0.01	0.45	6.28e-06	0.0	0.0	-7.09	-3.40e-03	-0.96	0.0	0.45	0.01
		8.13e-03	-0.45	1.17e-04	0.92	180.0	-6.00	-3.40e-03	-0.04	0.0	-0.45	8.13e-03
57	10	0.02	0.46	1.81e-05	0.0	0.0	-6.03	-4.01e-03	-0.95	0.0	0.46	0.02
		0.02	-0.43	1.26e-04	0.92	180.0	-4.93	-4.01e-03	-0.03	0.0	-0.43	0.02
57	11	0.01	0.77	6.23e-06	0.0	0.0	-7.09	-3.40e-03	-1.60	0.0	0.77	0.01
		8.09e-03	-0.74	1.96e-04	1.53	180.0	-6.00	-3.40e-03	-0.07	0.0	-0.74	8.09e-03
57	12	0.02	0.77	1.45e-05	0.0	0.0	-6.35	-3.82e-03	-1.60	0.0	0.77	0.02
		0.01	-0.73	2.02e-04	1.53	180.0	-5.25	-3.82e-03	-0.07	0.0	-0.73	0.01
57	13	0.01	-1.18e-03	6.35e-06	0.0	0.0	-7.10	-3.41e-03	0.02	0.0	-0.03	0.01
		8.19e-03	-0.03	1.34e-06	0.0	180.0	-6.00	-3.41e-03	0.02	0.0	-1.18e-03	8.19e-03
57	14	0.02	5.62e-03	1.23e-05	0.0	0.0	-6.57	-3.71e-03	0.02	0.0	-0.03	0.02
		0.01	-0.03	4.06e-06	0.0	180.0	-5.47	-3.71e-03	0.02	0.0	5.62e-03	0.01
57	15	0.01	0.13	6.33e-06	0.0	0.0	-7.10	-3.41e-03	-0.31	0.0	0.13	0.01
		8.17e-03	-0.15	3.88e-05	0.31	180.0	-6.00	-3.41e-03	-1.73e-03	0.0	-0.15	8.17e-03
57	16	0.02	0.13	9.87e-06	0.0	0.0	-6.78	-3.59e-03	-0.31	0.0	0.13	0.02
		0.01	-0.15	4.15e-05	0.31	180.0	-5.68	-3.59e-03	-6.33e-04	0.0	-0.15	0.01
57	17	0.01	-1.18e-03	6.35e-06	0.0	0.0	-7.10	-3.41e-03	0.02	0.0	-0.03	0.01
		8.19e-03	-0.03	1.34e-06	0.0	180.0	-6.00	-3.41e-03	0.02	0.0	-1.18e-03	8.19e-03
57	18	0.02	2.90e-03	9.90e-06	0.0	0.0	-6.78	-3.59e-03	0.02	0.0	-0.03	0.02
		0.01	-0.03	2.42e-06	0.0	180.0	-5.68	-3.59e-03	0.02	0.0	2.90e-03	0.01
57	19	-0.27	0.17	-4.00e-04	0.0	0.0	-77.61	0.05	-9.87e-04	0.0	0.17	-0.27
		-0.27	0.15	-7.37e-04	0.0	180.0	-76.51	0.05	-9.87e-04	0.0	0.15	-0.27
57	21	0.31	-0.03	4.36e-04	0.0	0.0	61.84	-0.06	0.10	0.0	-0.18	0.31
		0.30	-0.18	6.23e-04	0.0	180.0	62.94	-0.06	0.10	0.0	-0.03	0.30
57	22	0.30	-0.15	4.20e-04	0.0	0.0	64.05	-0.05	0.04	0.0	-0.23	0.30
		0.29	-0.23	7.41e-04	0.0	180.0	65.15	-0.05	0.04	0.0	-0.15	0.29
57	23	-0.27	0.17	-4.13e-04	0.0	0.0	-77.31	0.05	-0.01	0.0	0.17	-0.27
		-0.28	0.14	-7.28e-04	0.0	180.0	-76.21	0.05	-0.01	0.0	0.14	-0.28
57	35	-0.05	0.24	-8.94e-05	0.0	0.0	-31.38	3.45e-03	0.11	0.0	0.11	-0.05
		-0.06	0.11	-3.98e-04	0.0	180.0	-30.29	3.45e-03	0.11	0.0	0.24	-0.06
57	38	0.09	-0.17	1.09e-04	0.0	0.0	17.82	-0.01	-0.08	0.0	-0.17	0.09
		0.08	-0.23	4.03e-04	0.0	180.0	18.92	-0.01	-0.08	0.0	-0.23	0.08
57	51	-0.20	0.13	-3.00e-04	0.0	0.0	-60.50	0.03	5.45e-03	0.0	0.13	-0.20
		-0.20	0.12	-5.65e-04	0.0	180.0	-59.40	0.03	5.45e-03	0.0	0.12	-0.20
57	53	0.24	-0.01	3.33e-04	0.0	0.0	45.04	-0.05	0.08	0.0	-0.14	0.24
		0.23	-0.14	4.63e-04	0.0	180.0	46.14	-0.05	0.08	0.0	-0.01	0.23
57	54	0.23	-0.12	3.20e-04	0.0	0.0	46.94	-0.04	0.03	0.0	-0.18	0.23
		0.23	-0.18	5.69e-04	0.0	180.0	48.04	-0.04	0.03	0.0	-0.12	0.23
57	55	-0.20	0.12	-3.11e-04	0.0	0.0	-60.25	0.03	-4.08e-03	0.0	0.12	-0.20
		-0.21	0.11	-5.57e-04	0.0	180.0	-59.16	0.03	-4.08e-03	0.0	0.11	-0.21
57	67	-0.03	0.20	-6.22e-05	0.0	0.0	-25.77	1.37e-03	0.10	0.0	0.08	-0.03
		-0.04	0.08	-3.30e-04	0.0	180.0	-24.67	1.37e-03	0.10	0.0	0.20	-0.04
57	70	0.07	-0.14	8.20e-05	0.0	0.0	12.21	-8.56e-03	-0.06	0.0	-0.14	0.07
		0.07	-0.20	3.34e-04	0.0	180.0	13.31	-8.56e-03	-0.06	0.0	-0.20	0.07
57	83	-0.17	0.11	-2.66e-04	0.0	0.0	-54.57	0.03	6.97e-03	0.0	0.11	-0.17
		-0.18	0.11	-5.03e-04	0.0	180.0	-53.47	0.03	6.97e-03	0.0	0.11	-0.18
57	85	0.22	-9.68e-03	2.98e-04	0.0	0.0	39.31	-0.04	0.08	0.0	-0.13	0.22
		0.21	-0.13	4.11e-04	0.0	180.0	40.40	-0.04	0.08	0.0	-9.68e-03	0.21
57	86	0.21	-0.11	2.85e-04	0.0	0.0	41.01	-0.04	0.03	0.0	-0.17	0.21
		0.20	-0.17	5.07e-04	0.0	180.0	42.11	-0.04	0.03	0.0	-0.11	0.20
57	87	-0.18	0.11	-2.75e-04	0.0	0.0	-54.35	0.03	-1.64e-03	0.0	0.11	-0.18
		-0.19	0.10	-4.96e-04	0.0	180.0	-53.26	0.03	-1.64e-03	0.0	0.10	-0.19
57	99	-0.03	0.18	-5.40e-05	0.0	0.0	-23.70	7.82e-04	0.09	0.0	0.07	-0.03
		-0.04	0.07	-2.96e-04	0.0	180.0	-22.61	7.82e-04	0.09	0.0	0.18	-0.04
57	102	0.06	-0.13	7.38e-05	0.0	0.0	10.15	-7.97e-03	-0.05	0.0	-0.13	0.06
		0.06	-0.18	3.00e-04	0.0	180.0	11.24	-7.97e-03	-0.05	0.0	-0.18	0.06
57	115	-0.32	0.21	-4.71e-04	0.0	0.0	-89.75	0.06	-4.33e-03	0.0	0.21	-0.32
		-0.32	0.18	-8.61e-04	0.0	180.0	-88.66	0.06	-4.33e-03	0.0	0.18	-0.32
57	117	0.37	-0.03	5.09e-04	0.0	0.0	73.67	-0.07	0.12	0.0	-0.20	0.37
		0.35	-0.20	7.33e-04	0.0	180.0	74.77	-0.07	0.12	0.0	-0.03	0.35
57	118	0.35	-0.17	4.91e-04	0.0	0.0	76.20	-0.06	0.04	0.0	-0.26	0.35
		0.34	-0.26	8.66e-04	0.0	180.0	77.29	-0.06	0.04	0.0	-0.17	0.34
57	119	-0.32	0.20	-4.85e-04	0.0	0.0	-89.40	0.05	-0.02	0.0	0.20	-0.32
		-0.33	0.16	-8.52e-04	0.0	180.0	-88.30	0.05	-0.02	0.0	0.16	-0.33
57	131	-0.06	0.27	-1.07e-04	0.0	0.0	-35.49	4.97e-03	0.13	0.0	0.14	-0.06
		-0.08	0.14	-4.58e-04	0.0	180.0	-34.40	4.97e-03	0.13	0.0	0.27	-0.08
57	134	0.10	-0.19	1.27e-04	0.0	0.0	21.94	-0.01	-0.09	0.0	-0.19	0.10
		0.10	-0.26	4.62e-04	0.0	180.0	23.03	-0.01	-0.09	0.0	-0.26	0.10
58	2	0.10	0.90	5.17e-05	0.0	0.0	-30.15	-7.57e-03	0.95	0.0	-0.81	0.10
		0.08	-0.81	-1.39e-04	0.0	180.0	-28.73	-7.57e-03	0.95	0.0	0.90	0.08
58	3	0.03	0.46	1.41e-05	0.0	0.0	-11.25	-2.21e-03	0.50	0.0	-0.44	0.03
		0.02	-0.44	-7.58e-05	0.0	180.0	-10.15	-2.21e-03	0.50	0.0	0.46	0.02
58	6	0.08	0.93	4.30e-05	0.0	0.0	-24.16	-6.44e-03	1.00	0.0	-0.87	0.08
		0.07	-0.87	-1.43e-04	0.0	180.0	-22.73	-6.44e-03	1.00	0.0	0.93	0.07
58	7	0.03	0.60	1.56e-05	0.0	0.0	-9.71	-2.54e-03	0.67	0.0	-0.60	0.03

		0.02	-0.60	-9.48e-05	0.0	180.0	-8.61	-2.54e-03	0.67	0.0	0.60	0.02
58	9	0.02	0.39	1.33e-05	0.0	0.0	-12.02	-2.05e-03	0.42	0.0	-0.36	0.02
		0.02	-0.36	-6.63e-05	0.0	180.0	-10.93	-2.05e-03	0.42	0.0	0.39	0.02
58	10	0.07	0.63	3.61e-05	0.0	0.0	-21.91	-5.28e-03	0.67	0.0	-0.57	0.07
		0.06	-0.57	-9.90e-05	0.0	180.0	-20.82	-5.28e-03	0.67	0.0	0.63	0.06
58	11	0.03	0.49	1.43e-05	0.0	0.0	-10.99	-2.27e-03	0.53	0.0	-0.47	0.03
		0.02	-0.47	-7.90e-05	0.0	180.0	-9.90	-2.27e-03	0.53	0.0	0.49	0.02
58	12	0.06	0.65	3.02e-05	0.0	0.0	-17.92	-4.52e-03	0.70	0.0	-0.61	0.06
		0.05	-0.61	-1.02e-04	0.0	180.0	-16.82	-4.52e-03	0.70	0.0	0.65	0.05
58	13	0.02	0.25	1.19e-05	0.0	0.0	-13.57	-1.73e-03	0.26	0.0	-0.21	0.02
		0.02	-0.21	-4.73e-05	0.0	180.0	-12.47	-1.73e-03	0.26	0.0	0.25	0.02
58	14	0.04	0.37	2.32e-05	0.0	0.0	-18.51	-3.34e-03	0.38	0.0	-0.31	0.04
		0.04	-0.31	-6.36e-05	0.0	180.0	-17.42	-3.34e-03	0.38	0.0	0.37	0.04
58	15	0.02	0.30	1.24e-05	0.0	0.0	-13.05	-1.84e-03	0.31	0.0	-0.26	0.02
		0.02	-0.26	-5.36e-05	0.0	180.0	-11.96	-1.84e-03	0.31	0.0	0.30	0.02
58	16	0.04	0.37	1.92e-05	0.0	0.0	-16.02	-2.80e-03	0.39	0.0	-0.32	0.04
		0.03	-0.32	-6.34e-05	0.0	180.0	-14.92	-2.80e-03	0.39	0.0	0.37	0.03
58	17	0.02	0.25	1.19e-05	0.0	0.0	-13.57	-1.73e-03	0.26	0.0	-0.21	0.02
		0.02	-0.21	-4.73e-05	0.0	180.0	-12.47	-1.73e-03	0.26	0.0	0.25	0.02
58	18	0.03	0.32	1.87e-05	0.0	0.0	-16.53	-2.70e-03	0.33	0.0	-0.27	0.03
		0.03	-0.27	-5.71e-05	0.0	180.0	-15.44	-2.70e-03	0.33	0.0	0.32	0.03
58	19	4.11	0.81	-2.47e-03	0.0	0.0	-164.95	2.72	-1.15	0.0	0.81	1.65
		1.65	-1.26	-5.17e-04	0.0	180.0	-163.85	2.72	-1.15	0.0	-1.26	4.11
58	22	-1.58	1.90	2.51e-03	0.0	0.0	131.88	-2.72	1.81	0.0	-1.35	-1.58
		-4.05	-1.35	4.02e-04	0.0	180.0	132.98	-2.72	1.81	0.0	1.90	-4.05
58	28	4.79	0.37	-2.51e-03	0.0	0.0	-123.34	3.05	-0.57	0.0	0.37	1.82
		1.82	-0.65	-3.95e-04	0.0	180.0	-122.24	3.05	-0.57	0.0	-0.65	4.79
58	29	-1.75	1.30	2.55e-03	0.0	0.0	90.27	-3.05	1.23	0.0	-0.91	-1.75
		-4.73	-0.91	2.81e-04	0.0	180.0	91.36	-3.05	1.23	0.0	1.30	-4.73
58	51	3.39	0.56	-1.94e-03	0.0	0.0	-129.91	2.18	-0.81	0.0	0.56	1.28
		1.28	-0.90	-4.08e-04	0.0	180.0	-128.81	2.18	-0.81	0.0	-0.90	3.39
58	54	-1.21	1.55	1.98e-03	0.0	0.0	96.84	-2.19	1.47	0.0	-1.11	-1.21
		-3.33	-1.11	2.94e-04	0.0	180.0	97.94	-2.19	1.47	0.0	1.55	-3.33
58	60	3.94	0.20	-1.98e-03	0.0	0.0	-96.64	2.45	-0.33	0.0	0.20	1.47
		1.47	-0.39	-3.11e-04	0.0	180.0	-95.55	2.45	-0.33	0.0	-0.39	3.94
58	61	-1.40	1.04	2.02e-03	0.0	0.0	63.58	-2.45	0.99	0.0	-0.74	-1.40
		-3.88	-0.74	1.97e-04	0.0	180.0	64.67	-2.45	0.99	0.0	1.04	-3.88
58	83	3.06	0.47	-1.74e-03	0.0	0.0	-117.46	1.96	-0.69	0.0	0.47	1.14
		1.14	-0.76	-3.69e-04	0.0	180.0	-116.36	1.96	-0.69	0.0	-0.76	3.06
58	86	-1.07	1.41	1.77e-03	0.0	0.0	84.39	-1.96	1.35	0.0	-1.02	-1.07
		-3.00	-1.02	2.55e-04	0.0	180.0	85.49	-1.96	1.35	0.0	1.41	-3.00
58	92	3.55	0.14	-1.77e-03	0.0	0.0	-87.64	2.20	-0.25	0.0	0.14	1.32
		1.32	-0.31	-2.82e-04	0.0	180.0	-86.54	2.20	-0.25	0.0	-0.31	3.55
58	93	-1.25	0.96	1.81e-03	0.0	0.0	54.57	-2.20	0.91	0.0	-0.69	-1.25
		-3.49	-0.69	1.68e-04	0.0	180.0	55.67	-2.20	0.91	0.0	0.96	-3.49
58	115	4.72	0.99	-2.88e-03	0.0	0.0	-190.10	3.14	-1.39	0.0	0.99	1.93
		1.93	-1.52	-5.95e-04	0.0	180.0	-189.01	3.14	-1.39	0.0	-1.52	4.72
58	118	-1.86	2.17	2.92e-03	0.0	0.0	157.04	-3.15	2.06	0.0	-1.53	-1.86
		-4.66	-1.53	4.80e-04	0.0	180.0	158.13	-3.15	2.06	0.0	2.17	-4.66
58	124	5.50	0.48	-2.90e-03	0.0	0.0	-140.85	3.51	-0.72	0.0	0.48	2.10
		2.10	-0.81	-4.50e-04	0.0	180.0	-139.75	3.51	-0.72	0.0	-0.81	5.50
58	125	-2.03	1.46	2.94e-03	0.0	0.0	107.78	-3.51	1.38	0.0	-1.02	-2.03
		-5.44	-1.02	3.36e-04	0.0	180.0	108.88	-3.51	1.38	0.0	1.46	-5.44
59	2	0.01	1.13	2.61e-05	0.0	0.0	-16.64	4.90e-03	-1.64	0.0	1.13	3.85e-03
		3.85e-03	-0.58	2.12e-04	1.38	180.0	-15.21	4.90e-03	-0.26	0.0	-0.58	0.01
59	5	9.71e-04	1.45	8.32e-06	0.0	0.0	-12.04	4.19e-03	-2.54	0.0	1.45	-6.57e-03
		-6.57e-03	-1.05	3.11e-04	2.29	180.0	-10.61	4.19e-03	-0.24	0.0	-1.05	9.71e-04
59	6	9.13e-03	1.60	2.07e-05	0.0	0.0	-15.24	4.67e-03	-2.60	0.0	1.60	7.23e-04
		7.23e-04	-1.02	3.24e-04	2.29	180.0	-13.81	4.67e-03	-0.31	0.0	-1.02	9.13e-03
59	7	7.24e-04	1.42	6.36e-06	0.0	0.0	-9.24	3.21e-03	-2.52	0.0	1.42	-5.05e-03
		-5.05e-03	-1.05	3.07e-04	2.29	180.0	-8.14	3.21e-03	-0.23	0.0	-1.05	7.24e-04
59	10	8.56e-03	0.76	1.83e-05	0.0	0.0	-12.33	3.70e-03	-1.10	0.0	0.76	1.90e-03
		1.90e-03	-0.39	1.43e-04	0.92	180.0	-11.24	3.70e-03	-0.18	0.0	-0.39	8.56e-03
59	11	7.58e-04	0.98	6.42e-06	0.0	0.0	-9.27	3.23e-03	-1.70	0.0	0.98	-5.05e-03
		-5.05e-03	-0.70	2.09e-04	1.53	180.0	-8.17	3.23e-03	-0.17	0.0	-0.70	7.58e-04
59	12	6.20e-03	1.08	1.47e-05	0.0	0.0	-11.40	3.55e-03	-1.74	0.0	1.08	-1.91e-04
		-1.91e-04	-0.68	2.18e-04	1.53	180.0	-10.30	3.55e-03	-0.21	0.0	-0.68	6.20e-03
59	14	4.71e-03	0.16	1.24e-05	0.0	0.0	-10.84	3.49e-03	-0.07	0.0	0.16	-1.57e-03
		-1.57e-03	0.03	2.01e-05	0.0	180.0	-9.74	3.49e-03	-0.07	0.0	0.03	4.71e-03
59	15	8.12e-04	0.27	6.52e-06	0.0	0.0	-9.30	3.25e-03	-0.37	0.0	0.27	-5.04e-03
		-5.04e-03	-0.13	5.31e-05	0.31	180.0	-8.21	3.25e-03	-0.07	0.0	-0.13	8.12e-04
59	16	3.14e-03	0.31	1.01e-05	0.0	0.0	-10.22	3.39e-03	-0.39	0.0	0.31	-2.96e-03
		-2.96e-03	-0.12	5.67e-05	0.31	180.0	-9.12	3.39e-03	-0.09	0.0	-0.12	3.14e-03
59	17	8.26e-04	0.09	6.54e-06	0.0	0.0	-9.31	3.26e-03	-0.04	0.0	0.09	-5.04e-03
		-5.04e-03	0.02	1.40e-05	0.0	180.0	-8.22	3.26e-03	-0.04	0.0	0.02	8.26e-04

59	18	3.16e-03	0.14	1.01e-05	0.0	0.0	-10.23	3.40e-03	-0.06	0.0	0.14	-2.96e-03
		-2.96e-03	0.02	1.77e-05	0.0	180.0	-9.13	3.40e-03	-0.06	0.0	0.02	3.16e-03
59	19	-0.29	0.83	-4.00e-04	0.0	0.0	58.03	0.06	-0.26	0.0	0.83	-0.30
		-0.30	0.39	5.88e-04	0.0	180.0	59.12	0.06	-0.26	0.0	0.39	-0.29
59	20	-0.28	0.98	-4.16e-04	0.0	0.0	60.74	0.05	-0.35	0.0	0.98	-0.29
		-0.29	0.33	6.90e-04	0.0	180.0	61.84	0.05	-0.35	0.0	0.33	-0.28
59	21	0.29	-0.28	4.36e-04	0.0	0.0	-81.20	-0.05	0.22	0.0	-0.71	0.28
		0.28	-0.71	-6.55e-04	0.0	180.0	-80.11	-0.05	0.22	0.0	-0.28	0.29
59	24	-0.28	0.99	-4.04e-04	0.0	0.0	59.94	0.05	-0.36	0.0	0.99	-0.29
		-0.29	0.32	6.94e-04	0.0	180.0	61.04	0.05	-0.36	0.0	0.32	-0.28
59	25	0.29	-0.27	4.24e-04	0.0	0.0	-80.40	-0.05	0.23	0.0	-0.72	0.29
		0.29	-0.72	-6.59e-04	0.0	180.0	-79.30	-0.05	0.23	0.0	-0.27	0.29
59	26	0.30	-0.35	4.33e-04	0.0	0.0	-79.29	-0.05	0.13	0.0	-0.55	0.29
		0.29	-0.55	-5.49e-04	0.0	180.0	-78.19	-0.05	0.13	0.0	-0.35	0.30
59	51	-0.22	0.65	-3.00e-04	0.0	0.0	41.27	0.05	-0.21	0.0	0.65	-0.23
		-0.23	0.30	4.41e-04	0.0	180.0	42.36	0.05	-0.21	0.0	0.30	-0.22
59	52	-0.21	0.78	-3.13e-04	0.0	0.0	43.65	0.04	-0.28	0.0	0.78	-0.22
		-0.22	0.25	5.34e-04	0.0	180.0	44.74	0.04	-0.28	0.0	0.25	-0.21
59	53	0.22	-0.20	3.34e-04	0.0	0.0	-64.11	-0.03	0.16	0.0	-0.51	0.21
		0.21	-0.51	-4.98e-04	0.0	180.0	-63.01	-0.03	0.16	0.0	-0.20	0.22
59	56	-0.21	0.79	-3.03e-04	0.0	0.0	42.93	0.04	-0.29	0.0	0.79	-0.22
		-0.22	0.25	5.37e-04	0.0	180.0	44.02	0.04	-0.29	0.0	0.25	-0.21
59	57	0.22	-0.20	3.23e-04	0.0	0.0	-63.38	-0.03	0.16	0.0	-0.52	0.22
		0.22	-0.52	-5.02e-04	0.0	180.0	-62.29	-0.03	0.16	0.0	-0.20	0.22
59	58	0.22	-0.26	3.30e-04	0.0	0.0	-62.45	-0.04	0.08	0.0	-0.37	0.22
		0.22	-0.37	-4.02e-04	0.0	180.0	-61.35	-0.04	0.08	0.0	-0.26	0.22
59	83	-0.19	0.59	-2.65e-04	0.0	0.0	35.56	0.04	-0.19	0.0	0.59	-0.20
		-0.20	0.27	3.94e-04	0.0	180.0	36.66	0.04	-0.19	0.0	0.27	-0.19
59	84	-0.19	0.71	-2.78e-04	0.0	0.0	37.71	0.04	-0.26	0.0	0.71	-0.20
		-0.20	0.23	4.77e-04	0.0	180.0	38.80	0.04	-0.26	0.0	0.23	-0.19
59	85	0.19	-0.18	2.98e-04	0.0	0.0	-58.17	-0.03	0.13	0.0	-0.44	0.19
		0.19	-0.44	-4.42e-04	0.0	180.0	-57.07	-0.03	0.13	0.0	-0.18	0.19
59	88	-0.19	0.72	-2.68e-04	0.0	0.0	37.06	0.04	-0.26	0.0	0.72	-0.20
		-0.20	0.22	4.80e-04	0.0	180.0	38.15	0.04	-0.26	0.0	0.22	-0.19
59	89	0.19	-0.17	2.88e-04	0.0	0.0	-57.52	-0.03	0.14	0.0	-0.45	0.19
		0.19	-0.45	-4.45e-04	0.0	180.0	-56.42	-0.03	0.14	0.0	-0.17	0.19
59	90	0.20	-0.23	2.95e-04	0.0	0.0	-56.67	-0.03	0.06	0.0	-0.31	0.20
		0.20	-0.31	-3.55e-04	0.0	180.0	-55.57	-0.03	0.06	0.0	-0.23	0.20
59	115	-0.34	0.95	-4.71e-04	0.0	0.0	69.81	0.07	-0.30	0.0	0.95	-0.35
		-0.35	0.45	6.89e-04	0.0	180.0	70.91	0.07	-0.30	0.0	0.45	-0.34
59	116	-0.33	1.12	-4.89e-04	0.0	0.0	72.89	0.06	-0.39	0.0	1.12	-0.34
		-0.34	0.38	8.04e-04	0.0	180.0	73.99	0.06	-0.39	0.0	0.38	-0.33
59	117	0.34	-0.33	5.09e-04	0.0	0.0	-93.35	-0.06	0.27	0.0	-0.85	0.33
		0.33	-0.85	-7.68e-04	0.0	180.0	-92.26	-0.06	0.27	0.0	-0.33	0.34
59	120	-0.33	1.13	-4.75e-04	0.0	0.0	71.99	0.06	-0.41	0.0	1.13	-0.34
		-0.34	0.37	8.08e-04	0.0	180.0	73.08	0.06	-0.41	0.0	0.37	-0.33
59	121	0.34	-0.32	4.95e-04	0.0	0.0	-92.45	-0.05	0.28	0.0	-0.86	0.34
		0.34	-0.86	-7.73e-04	0.0	180.0	-91.35	-0.05	0.28	0.0	-0.32	0.34
59	122	0.35	-0.41	5.05e-04	0.0	0.0	-91.18	-0.06	0.16	0.0	-0.67	0.34
		0.34	-0.67	-6.49e-04	0.0	180.0	-90.08	-0.06	0.16	0.0	-0.41	0.35
60	2	0.10	0.88	5.17e-05	0.0	0.0	-48.64	-7.80e-03	0.69	0.0	-0.36	0.10
		0.08	-0.36	-9.18e-05	0.0	180.0	-47.22	-7.80e-03	0.69	0.0	0.88	0.08
60	3	0.03	0.38	1.41e-05	0.0	0.0	-16.70	-2.33e-03	0.30	0.0	-0.17	0.03
		0.02	-0.17	-3.63e-05	0.0	180.0	-15.61	-2.33e-03	0.30	0.0	0.38	0.02
60	6	0.08	0.83	4.30e-05	0.0	0.0	-39.95	-6.66e-03	0.66	0.0	-0.36	0.08
		0.07	-0.36	-8.24e-05	0.0	180.0	-38.53	-6.66e-03	0.66	0.0	0.83	0.07
60	7	0.03	0.45	1.56e-05	0.0	0.0	-16.00	-2.66e-03	0.37	0.0	-0.22	0.03
		0.02	-0.22	-4.09e-05	0.0	180.0	-14.90	-2.66e-03	0.37	0.0	0.45	0.02
60	9	0.02	0.34	1.34e-05	0.0	0.0	-17.06	-2.16e-03	0.27	0.0	-0.14	0.02
		0.02	-0.14	-3.40e-05	0.0	180.0	-15.96	-2.16e-03	0.27	0.0	0.34	0.02
60	10	0.07	0.63	3.61e-05	0.0	0.0	-34.80	-5.44e-03	0.49	0.0	-0.25	0.07
		0.06	-0.25	-6.51e-05	0.0	180.0	-33.70	-5.44e-03	0.49	0.0	0.63	0.06
60	11	0.03	0.39	1.43e-05	0.0	0.0	-16.59	-2.38e-03	0.31	0.0	-0.18	0.03
		0.02	-0.18	-3.71e-05	0.0	180.0	-15.49	-2.38e-03	0.31	0.0	0.39	0.02
60	12	0.06	0.59	3.02e-05	0.0	0.0	-29.00	-4.68e-03	0.47	0.0	-0.25	0.06
		0.05	-0.25	-5.88e-05	0.0	180.0	-27.91	-4.68e-03	0.47	0.0	0.59	0.05
60	13	0.02	0.27	1.19e-05	0.0	0.0	-17.76	-1.82e-03	0.20	0.0	-0.09	0.02
		0.02	-0.09	-2.95e-05	0.0	180.0	-16.67	-1.82e-03	0.20	0.0	0.27	0.02
60	14	0.04	0.41	2.32e-05	0.0	0.0	-26.63	-3.46e-03	0.31	0.0	-0.14	0.04
		0.04	-0.14	-4.50e-05	0.0	180.0	-25.53	-3.46e-03	0.31	0.0	0.41	0.04
60	15	0.02	0.29	1.24e-05	0.0	0.0	-17.53	-1.93e-03	0.22	0.0	-0.11	0.02
		0.02	-0.11	-3.10e-05	0.0	180.0	-16.43	-1.93e-03	0.22	0.0	0.29	0.02
60	17	0.02	0.27	1.19e-05	0.0	0.0	-17.76	-1.82e-03	0.20	0.0	-0.09	0.02
		0.02	-0.09	-2.95e-05	0.0	180.0	-16.67	-1.82e-03	0.20	0.0	0.27	0.02
60	18	0.04	0.35	1.87e-05	0.0	0.0	-23.08	-2.81e-03	0.26	0.0	-0.12	0.04

		0.03	-0.12	-3.88e-05	0.0	180.0	-21.99	-2.81e-03	0.26	0.0	0.35	0.03
60	20	4.22	1.93	-2.44e-03	0.0	0.0	121.54	2.67	-1.77	0.0	1.93	1.78
		1.78	-1.25	9.85e-04	0.0	180.0	122.64	2.67	-1.77	0.0	-1.25	4.22
60	21	-1.71	1.96	2.48e-03	0.0	0.0	-167.71	-2.67	2.30	0.0	-2.17	-1.71
		-4.16	-2.17	-1.06e-03	0.0	180.0	-166.61	-2.67	2.30	0.0	1.96	-4.16
60	25	-1.61	1.95	2.50e-03	0.0	0.0	-167.62	-2.71	2.29	0.0	-2.18	-1.61
		-4.07	-2.18	-1.06e-03	0.0	180.0	-166.52	-2.71	2.29	0.0	1.95	-4.07
60	28	4.79	1.59	-2.51e-03	0.0	0.0	97.18	3.04	-1.42	0.0	1.59	1.82
		1.82	-0.97	8.15e-04	0.0	180.0	98.27	3.04	-1.42	0.0	-0.97	4.79
60	29	-1.75	1.68	2.55e-03	0.0	0.0	-143.34	-3.05	1.95	0.0	-1.83	-1.75
		-4.73	-1.83	-8.87e-04	0.0	180.0	-142.25	-3.05	1.95	0.0	1.68	-4.73
60	52	3.49	1.45	-1.92e-03	0.0	0.0	87.33	2.14	-1.28	0.0	1.45	1.39
		1.39	-0.87	7.45e-04	0.0	180.0	88.42	2.14	-1.28	0.0	-0.87	3.49
60	53	-1.32	1.57	1.95e-03	0.0	0.0	-133.49	-2.15	1.81	0.0	-1.69	-1.32
		-3.43	-1.69	-8.17e-04	0.0	180.0	-132.40	-2.15	1.81	0.0	1.57	-3.43
60	57	-1.23	1.56	1.97e-03	0.0	0.0	-133.41	-2.18	1.81	0.0	-1.69	-1.23
		-3.36	-1.69	-8.19e-04	0.0	180.0	-132.31	-2.18	1.81	0.0	1.56	-3.36
60	60	3.94	1.20	-1.98e-03	0.0	0.0	69.57	2.45	-1.03	0.0	1.20	1.47
		1.47	-0.66	6.21e-04	0.0	180.0	70.66	2.45	-1.03	0.0	-0.66	3.94
60	61	-1.40	1.37	2.02e-03	0.0	0.0	-115.73	-2.45	1.56	0.0	-1.44	-1.40
		-3.88	-1.44	-6.93e-04	0.0	180.0	-114.64	-2.45	1.56	0.0	1.37	-3.88
60	84	3.15	1.28	-1.71e-03	0.0	0.0	75.20	1.92	-1.11	0.0	1.28	1.25
		1.25	-0.73	6.59e-04	0.0	180.0	76.30	1.92	-1.11	0.0	-0.73	3.15
60	85	-1.18	1.44	1.75e-03	0.0	0.0	-121.37	-1.93	1.64	0.0	-1.52	-1.18
		-3.09	-1.52	-7.31e-04	0.0	180.0	-120.27	-1.93	1.64	0.0	1.44	-3.09
60	89	-1.10	1.43	1.77e-03	0.0	0.0	-121.30	-1.96	1.64	0.0	-1.52	-1.10
		-3.02	-1.52	-7.33e-04	0.0	180.0	-120.20	-1.96	1.64	0.0	1.43	-3.02
60	92	3.55	1.05	-1.77e-03	0.0	0.0	59.38	2.20	-0.89	0.0	1.05	1.32
		1.32	-0.55	5.49e-04	0.0	180.0	60.48	2.20	-0.89	0.0	-0.55	3.55
60	93	-1.25	1.26	1.81e-03	0.0	0.0	-105.55	-2.20	1.42	0.0	-1.29	-1.25
		-3.49	-1.29	-6.21e-04	0.0	180.0	-104.45	-2.20	1.42	0.0	1.26	-3.49
60	116	4.85	2.28	-2.84e-03	0.0	0.0	146.08	3.09	-2.11	0.0	2.28	2.08
		2.08	-1.53	1.16e-03	0.0	180.0	147.18	3.09	-2.11	0.0	-1.53	4.85
60	117	-2.01	2.24	2.88e-03	0.0	0.0	-192.25	-3.09	2.64	0.0	-2.52	-2.01
		-4.79	-2.52	-1.23e-03	0.0	180.0	-191.15	-3.09	2.64	0.0	2.24	-4.79
60	120	4.75	2.28	-2.87e-03	0.0	0.0	145.98	3.13	-2.10	0.0	2.28	1.96
		1.96	-1.51	1.16e-03	0.0	180.0	147.08	3.13	-2.10	0.0	-1.51	4.75
60	121	-1.89	2.22	2.91e-03	0.0	0.0	-192.15	-3.14	2.63	0.0	-2.52	-1.89
		-4.69	-2.52	-1.23e-03	0.0	180.0	-191.06	-3.14	2.63	0.0	2.22	-4.69
60	124	5.50	1.86	-2.90e-03	0.0	0.0	116.26	3.51	-1.69	0.0	1.86	2.10
		2.10	-1.18	9.50e-04	0.0	180.0	117.35	3.51	-1.69	0.0	-1.18	5.50
60	125	-2.03	1.89	2.94e-03	0.0	0.0	-162.42	-3.51	2.22	0.0	-2.10	-2.03
		-5.44	-2.10	-1.02e-03	0.0	180.0	-161.33	-3.51	2.22	0.0	1.89	-5.44
77	2	2.81	0.18	6.37e-04	0.0	0.0	-23.11	1.44	0.10	-2.08e-05	-0.18	-2.36
		-2.36	-0.18	-1.97e-04	0.0	360.0	-20.26	1.44	0.10	-2.08e-05	0.18	2.81
77	3	0.69	0.06	1.73e-04	0.0	0.0	-9.23	0.35	0.04	-3.83e-06	-0.07	-0.57
		-0.57	-0.07	-5.38e-05	0.0	360.0	-7.03	0.35	0.04	-3.83e-06	0.06	0.69
77	9	0.69	0.06	1.63e-04	0.0	0.0	-9.22	0.35	0.03	-5.29e-06	-0.07	-0.57
		-0.57	-0.07	-5.48e-05	0.0	360.0	-7.03	0.35	0.03	-5.29e-06	0.06	0.69
77	10	1.96	0.13	4.44e-04	0.0	0.0	-16.64	1.01	0.07	-1.49e-05	-0.13	-1.65
		-1.65	-0.13	-1.39e-04	0.0	360.0	-14.44	1.01	0.07	-1.49e-05	0.13	1.96
77	13	0.68	0.05	1.43e-04	0.0	0.0	-9.22	0.35	0.03	-8.21e-06	-0.06	-0.58
		-0.58	-0.06	-5.70e-05	0.0	360.0	-7.03	0.35	0.03	-8.21e-06	0.05	0.68
77	14	1.32	0.08	2.83e-04	0.0	0.0	-12.93	0.68	0.05	-1.30e-05	-0.09	-1.12
		-1.12	-0.09	-9.90e-05	0.0	360.0	-10.74	0.68	0.05	-1.30e-05	0.08	1.32
77	17	0.68	0.05	1.43e-04	0.0	0.0	-9.22	0.35	0.03	-8.21e-06	-0.06	-0.58
		-0.58	-0.06	-5.70e-05	0.0	360.0	-7.03	0.35	0.03	-8.21e-06	0.05	0.68
77	18	1.07	0.07	2.27e-04	0.0	0.0	-11.45	0.55	0.04	-1.11e-05	-0.07	-0.91
		-0.91	-0.07	-8.22e-05	0.0	360.0	-9.25	0.55	0.04	-1.11e-05	0.07	1.07
77	20	9.46	0.21	-6.81e-03	0.0	0.0	-11.34	1.89	0.10	0.10	-0.16	2.91
		2.91	-0.16	1.39e-03	0.0	360.0	-9.15	1.89	0.10	0.10	0.21	9.46
77	21	-4.73	0.01	7.26e-03	0.0	0.0	-11.55	-0.79	-0.02	-0.10	0.01	-4.73
		-7.33	-0.07	-1.55e-03	0.0	360.0	-9.35	-0.79	-0.02	-0.10	-0.07	-7.33
77	24	9.28	0.21	-6.88e-03	0.0	0.0	-11.33	1.93	0.10	0.13	-0.17	2.68
		2.68	-0.17	1.39e-03	0.0	360.0	-9.14	1.93	0.10	0.13	0.21	9.28
77	39	2.17	0.07	-1.76e-03	0.0	0.0	-11.15	0.96	0.02	-0.27	-4.34e-03	-0.97
		-0.97	-4.34e-03	2.40e-05	0.0	360.0	-8.95	0.96	0.02	-0.27	0.07	2.17
77	42	-0.03	0.07	2.21e-03	0.0	0.0	-11.74	0.14	0.06	0.27	-0.14	-0.84
		-0.84	-0.14	-1.88e-04	0.0	360.0	-9.55	0.14	0.06	0.27	0.07	-0.03
77	44	3.34	0.15	-1.99e-03	0.0	0.0	-11.60	1.01	0.10	0.38	-0.20	-0.07
		-0.07	-0.20	5.65e-04	0.0	360.0	-9.41	1.01	0.10	0.38	0.15	3.34
77	52	7.42	0.18	-5.09e-03	0.0	0.0	-11.37	1.56	0.09	0.07	-0.14	2.02
		2.02	-0.14	1.04e-03	0.0	360.0	-9.18	1.56	0.09	0.07	0.18	7.42
77	53	-3.83	-3.45e-03	5.54e-03	0.0	0.0	-11.52	-0.46	-8.55e-03	-0.07	-3.45e-03	-3.83
		-5.29	-0.04	-1.20e-03	0.0	360.0	-9.33	-0.46	-8.55e-03	-0.07	-0.04	-5.29

77	56	7.28	0.18	-5.14e-03	0.0	0.0	-11.36	1.60	0.09	0.08	-0.15	1.83
		1.83	-0.15	1.04e-03	0.0	360.0	-9.17	1.60	0.09	0.08	0.18	7.28
77	71	1.89	0.06	-1.28e-03	0.0	0.0	-11.21	0.87	0.02	-0.17	-9.31e-03	-0.98
		-0.98	-9.31e-03	-3.72e-05	0.0	360.0	-9.01	0.87	0.02	-0.17	0.06	1.89
77	74	0.24	0.08	1.73e-03	0.0	0.0	-11.68	0.23	0.06	0.17	-0.14	-0.83
		-0.83	-0.14	-1.29e-04	0.0	360.0	-9.49	0.23	0.06	0.17	0.08	0.24
77	76	2.78	0.13	-1.45e-03	0.0	0.0	-11.58	0.90	0.09	0.23	-0.19	-0.28
		-0.28	-0.19	4.40e-04	0.0	360.0	-9.38	0.90	0.09	0.23	0.13	2.78
77	84	6.72	0.16	-4.50e-03	0.0	0.0	-11.38	1.45	0.08	0.06	-0.14	1.70
		1.70	-0.14	9.17e-04	0.0	360.0	-9.19	1.45	0.08	0.06	0.16	6.72
77	85	-3.51	-0.01	4.95e-03	0.0	0.0	-11.51	-0.35	-3.29e-03	-0.06	-0.01	-3.51
		-4.58	-0.02	-1.08e-03	0.0	360.0	-9.32	-0.35	-3.29e-03	-0.06	-0.02	-4.58
77	88	6.59	0.16	-4.55e-03	0.0	0.0	-11.37	1.48	0.09	0.07	-0.14	1.53
		1.53	-0.14	9.14e-04	0.0	360.0	-9.18	1.48	0.09	0.07	0.16	6.59
77	103	1.80	0.06	-1.11e-03	0.0	0.0	-11.23	0.83	0.02	-0.15	-0.02	-0.97
		-0.97	-0.02	-4.42e-05	0.0	360.0	-9.04	0.83	0.02	-0.15	0.06	1.80
77	106	0.34	0.08	1.56e-03	0.0	0.0	-11.66	0.26	0.06	0.15	-0.13	-0.84
		-0.84	-0.13	-1.21e-04	0.0	360.0	-9.47	0.26	0.06	0.15	0.08	0.34
77	108	2.59	0.13	-1.26e-03	0.0	0.0	-11.56	0.86	0.08	0.20	-0.17	-0.35
		-0.35	-0.17	3.86e-04	0.0	360.0	-9.37	0.86	0.08	0.20	0.13	2.59
77	116	10.91	0.23	-8.02e-03	0.0	0.0	-11.33	2.12	0.11	0.13	-0.18	3.57
		3.57	-0.18	1.64e-03	0.0	360.0	-9.13	2.12	0.11	0.13	0.23	10.91
77	117	-5.38	0.03	8.47e-03	0.0	0.0	-11.56	-1.02	-0.03	-0.13	0.03	-5.38
		-8.77	-0.09	-1.80e-03	0.0	360.0	-9.37	-1.02	-0.03	-0.13	-0.09	-8.77
77	120	10.70	0.23	-8.11e-03	0.0	0.0	-11.31	2.17	0.12	0.17	-0.18	3.29
		3.29	-0.18	1.64e-03	0.0	360.0	-9.12	2.17	0.12	0.17	0.23	10.70
77	135	2.34	0.07	-2.07e-03	0.0	0.0	-11.10	1.02	0.02	-0.34	4.04e-03	-0.99
		-0.99	4.04e-03	5.00e-05	0.0	360.0	-8.90	1.02	0.02	-0.34	0.07	2.34
77	138	-0.20	0.07	2.53e-03	0.0	0.0	-11.80	0.07	0.06	0.34	-0.15	-0.83
		-0.83	-0.15	-2.14e-04	0.0	360.0	-9.60	0.07	0.06	0.34	0.07	-0.20
77	140	3.74	0.16	-2.37e-03	0.0	0.0	-11.62	1.09	0.10	0.48	-0.22	0.08
		0.08	-0.22	6.65e-04	0.0	360.0	-9.43	1.09	0.10	0.48	0.16	3.74
78	2	2.78	0.14	5.29e-04	0.0	0.0	-31.70	1.45	0.06	2.08e-05	-0.09	-2.43
		-2.43	-0.09	-2.01e-04	0.0	360.0	-28.85	1.45	0.06	2.08e-05	0.14	2.78
78	3	0.68	0.05	1.42e-04	0.0	0.0	-13.27	0.35	0.03	3.83e-06	-0.05	-0.59
		-0.59	-0.05	-5.45e-05	0.0	360.0	-11.08	0.35	0.03	3.83e-06	0.05	0.68
78	6	2.22	0.12	4.39e-04	0.0	0.0	-27.43	1.15	0.06	1.35e-05	-0.09	-1.92
		-1.92	-0.09	-1.60e-04	0.0	360.0	-24.58	1.15	0.06	1.35e-05	0.12	2.22
78	9	0.68	0.05	1.35e-04	0.0	0.0	-13.24	0.35	0.03	5.29e-06	-0.05	-0.59
		-0.59	-0.05	-5.58e-05	0.0	360.0	-11.04	0.35	0.03	5.29e-06	0.05	0.68
78	10	1.95	0.10	3.68e-04	0.0	0.0	-22.89	1.01	0.04	1.49e-05	-0.06	-1.70
		-1.70	-0.06	-1.42e-04	0.0	360.0	-20.69	1.01	0.04	1.49e-05	0.10	1.95
78	12	1.57	0.09	3.08e-04	0.0	0.0	-20.04	0.81	0.04	1.01e-05	-0.06	-1.36
		-1.36	-0.06	-1.14e-04	0.0	360.0	-17.85	0.81	0.04	1.01e-05	0.09	1.57
78	13	0.68	0.04	1.20e-04	0.0	0.0	-13.16	0.35	0.02	8.21e-06	-0.04	-0.60
		-0.60	-0.04	-5.84e-05	0.0	360.0	-10.97	0.35	0.02	8.21e-06	0.04	0.68
78	14	1.31	0.07	2.36e-04	0.0	0.0	-17.99	0.68	0.03	1.30e-05	-0.04	-1.15
		-1.15	-0.04	-1.01e-04	0.0	360.0	-15.79	0.68	0.03	1.30e-05	0.07	1.31
78	16	1.06	0.06	1.95e-04	0.0	0.0	-16.08	0.55	0.03	1.01e-05	-0.04	-0.93
		-0.93	-0.04	-8.33e-05	0.0	360.0	-13.89	0.55	0.03	1.01e-05	0.06	1.06
78	17	0.68	0.04	1.20e-04	0.0	0.0	-13.16	0.35	0.02	8.21e-06	-0.04	-0.60
		-0.60	-0.04	-5.84e-05	0.0	360.0	-10.97	0.35	0.02	8.21e-06	0.04	0.68
78	18	1.06	0.06	1.90e-04	0.0	0.0	-16.06	0.55	0.03	1.11e-05	-0.04	-0.93
		-0.93	-0.04	-8.42e-05	0.0	360.0	-13.86	0.55	0.03	1.11e-05	0.06	1.06
78	20	14.32	0.16	-4.64e-03	0.0	0.0	-89.33	1.47	0.05	0.06	-0.03	9.06
		9.06	-0.03	1.39e-03	0.0	360.0	-87.14	1.47	0.05	0.06	0.16	14.32
78	21	-10.92	-0.05	4.94e-03	0.0	0.0	57.22	-0.37	2.80e-04	-0.06	-0.05	-10.92
		-12.21	-0.05	-1.56e-03	0.0	360.0	59.42	-0.37	2.80e-04	-0.06	-0.05	-12.21
78	24	14.05	0.17	-4.67e-03	0.0	0.0	-89.15	1.58	0.06	0.09	-0.03	8.77
		8.77	-0.03	1.38e-03	0.0	360.0	-86.96	1.58	0.06	0.09	0.17	14.05
78	28	14.89	0.14	-3.81e-03	0.0	0.0	-76.90	1.26	0.05	0.06	-0.03	10.36
		10.36	-0.03	1.14e-03	0.0	360.0	-74.70	1.26	0.05	0.06	0.14	14.89
78	29	-12.22	-0.03	4.05e-03	0.0	0.0	44.79	-0.15	4.94e-03	-0.06	-0.05	-12.22
		-12.77	-0.05	-1.31e-03	0.0	360.0	46.98	-0.15	4.94e-03	-0.06	-0.03	-12.77
78	46	-3.18	0.07	1.55e-03	0.0	0.0	-6.09	0.36	0.05	0.38	-0.13	-4.19
		-4.19	-0.13	-2.77e-04	0.0	360.0	-3.90	0.36	0.05	0.38	0.07	-3.18
78	52	11.10	0.14	-3.47e-03	0.0	0.0	-71.93	1.24	0.05	0.04	-0.03	6.65
		6.65	-0.03	1.04e-03	0.0	360.0	-69.74	1.24	0.05	0.04	0.14	11.10
78	53	-8.51	-0.02	3.76e-03	0.0	0.0	39.82	-0.14	5.76e-03	-0.04	-0.05	-8.51
		-8.98	-0.05	-1.21e-03	0.0	360.0	42.01	-0.14	5.76e-03	-0.04	-0.02	-8.98
78	56	10.87	0.14	-3.49e-03	0.0	0.0	-71.77	1.34	0.05	0.05	-0.04	6.41
		6.41	-0.04	1.04e-03	0.0	360.0	-69.57	1.34	0.05	0.05	0.14	10.87
78	60	11.60	0.12	-2.87e-03	0.0	0.0	-62.87	1.09	0.05	0.04	-0.04	7.69
		7.69	-0.04	8.57e-04	0.0	360.0	-60.67	1.09	0.05	0.04	0.12	11.60
78	61	-9.48	-9.06e-03	3.11e-03	0.0	0.0	30.75	0.02	9.16e-03	-0.04	-0.05	-9.55

		-9.55	-0.05	-1.03e-03	0.0	360.0	32.95	0.02	9.16e-03	-0.04	-9.06e-03	-9.48
78	78	-2.16	0.07	1.21e-03	0.0	0.0	-10.15	0.42	0.05	0.23	-0.12	-3.41
		-3.41	-0.12	-1.96e-04	0.0	360.0	-7.96	0.42	0.05	0.23	0.07	-2.16
78	84	9.99	0.13	-3.07e-03	0.0	0.0	-65.79	1.17	0.05	0.03	-0.03	5.81
		5.81	-0.03	9.15e-04	0.0	360.0	-63.60	1.17	0.05	0.03	0.13	9.99
78	85	-7.67	-0.02	3.36e-03	0.0	0.0	33.68	-0.06	8.03e-03	-0.03	-0.05	-7.67
		-7.87	-0.05	-1.08e-03	0.0	360.0	35.87	-0.06	8.03e-03	-0.03	-0.02	-7.87
78	88	9.78	0.13	-3.09e-03	0.0	0.0	-65.64	1.25	0.05	0.04	-0.04	5.60
		5.60	-0.04	9.12e-04	0.0	360.0	-63.45	1.25	0.05	0.04	0.13	9.78
78	92	10.43	0.12	-2.54e-03	0.0	0.0	-57.71	1.03	0.04	0.03	-0.04	6.73
		6.73	-0.04	7.54e-04	0.0	360.0	-55.52	1.03	0.04	0.03	0.12	10.43
78	93	-8.31	-1.82e-03	2.78e-03	0.0	0.0	25.60	0.08	0.01	-0.03	-0.05	-8.59
		-8.59	-0.05	-9.22e-04	0.0	360.0	27.80	0.08	0.01	-0.03	-1.82e-03	-8.31
78	110	-1.80	0.07	1.09e-03	0.0	0.0	-10.96	0.43	0.05	0.20	-0.11	-3.14
		-3.14	-0.11	-1.80e-04	0.0	360.0	-8.76	0.43	0.05	0.20	0.07	-1.80
78	116	16.60	0.18	-5.47e-03	0.0	0.0	-101.79	1.63	0.06	0.08	-0.02	10.78
		10.78	-0.02	1.64e-03	0.0	360.0	-99.60	1.63	0.06	0.08	0.18	16.60
78	117	-12.63	-0.06	5.76e-03	0.0	0.0	69.68	-0.53	-4.06e-03	-0.08	-0.06	-12.63
		-14.49	-0.07	-1.81e-03	0.0	360.0	71.87	-0.53	-4.06e-03	-0.08	-0.07	-14.49
78	120	16.29	0.18	-5.50e-03	0.0	0.0	-101.58	1.75	0.06	0.12	-0.03	10.44
		10.44	-0.03	1.63e-03	0.0	360.0	-99.39	1.75	0.06	0.12	0.18	16.29
78	124	17.12	0.16	-4.44e-03	0.0	0.0	-86.57	1.37	0.05	0.08	-0.03	12.17
		12.17	-0.03	1.33e-03	0.0	360.0	-84.38	1.37	0.05	0.08	0.16	17.12
78	125	-14.03	-0.04	4.68e-03	0.0	0.0	54.46	-0.27	1.57e-03	-0.08	-0.05	-14.03
		-15.00	-0.05	-1.50e-03	0.0	360.0	56.65	-0.27	1.57e-03	-0.08	-0.04	-15.00
78	142	-3.90	0.07	1.79e-03	0.0	0.0	-3.86	0.33	0.06	0.48	-0.14	-4.75
		-4.75	-0.14	-3.21e-04	0.0	360.0	-1.66	0.33	0.06	0.48	0.07	-3.90
79	2	0.77	0.04	5.27e-04	0.0	0.0	-44.44	-0.24	-0.01	0.0	0.04	0.77
		-0.08	-0.01	2.31e-05	0.0	360.0	-41.59	-0.24	-0.01	0.0	-0.01	-0.08
79	3	0.20	0.02	1.42e-04	0.0	0.0	-15.91	-0.06	0.02	0.0	-0.04	0.20
		-0.02	-0.04	4.66e-06	0.0	360.0	-13.72	-0.06	0.02	0.0	0.02	-0.02
79	4	0.72	0.04	4.91e-04	0.0	0.0	-39.77	-0.22	-0.02	0.0	0.04	0.72
		-0.07	-0.02	2.61e-05	0.0	360.0	-37.58	-0.22	-0.02	0.0	-0.02	-0.07
79	5	0.26	0.03	1.93e-04	0.0	0.0	-20.81	-0.08	0.02	0.0	-0.06	0.26
		-0.02	-0.06	9.38e-06	0.0	360.0	-17.96	-0.08	0.02	0.0	0.03	-0.02
79	9	0.19	0.02	1.34e-04	0.0	0.0	-15.80	-0.06	0.01	0.0	-0.03	0.19
		-0.02	-0.03	2.03e-06	0.0	360.0	-13.60	-0.06	0.01	0.0	0.02	-0.02
79	10	0.54	0.02	3.67e-04	0.0	0.0	-31.71	-0.17	-8.02e-03	0.0	0.02	0.54
		-0.05	-5.20e-03	1.41e-05	0.0	360.0	-29.51	-0.17	-8.02e-03	0.0	-5.20e-03	-0.05
79	11	0.20	0.02	1.44e-04	0.0	0.0	-15.95	-0.06	0.02	0.0	-0.04	0.20
		-0.02	-0.04	5.64e-06	0.0	360.0	-13.75	-0.06	0.02	0.0	0.02	-0.02
79	13	0.19	0.02	1.19e-04	0.0	0.0	-15.57	-0.06	7.97e-03	0.0	-0.01	0.19
		-0.02	-0.01	-9.93e-06	0.0	360.0	-13.38	-0.06	7.97e-03	0.0	0.02	-0.02
79	14	0.36	0.01	2.36e-04	0.0	0.0	-23.52	-0.11	-2.78e-03	0.0	0.01	0.36
		-0.04	4.02e-03	-4.58e-06	0.0	360.0	-21.33	-0.11	-2.78e-03	0.0	4.02e-03	-0.04
79	15	0.19	0.02	1.24e-04	0.0	0.0	-15.65	-0.06	9.81e-03	0.0	-0.02	0.19
		-0.02	-0.02	-7.10e-06	0.0	360.0	-13.45	-0.06	9.81e-03	0.0	0.02	-0.02
79	17	0.19	0.02	1.19e-04	0.0	0.0	-15.57	-0.06	7.97e-03	0.0	-0.01	0.19
		-0.02	-0.01	-9.93e-06	0.0	360.0	-13.38	-0.06	7.97e-03	0.0	0.02	-0.02
79	18	0.29	9.08e-03	1.89e-04	0.0	0.0	-20.34	-0.09	1.52e-03	0.0	3.61e-03	0.29
		-0.03	3.61e-03	-5.94e-06	0.0	360.0	-18.15	-0.09	1.52e-03	0.0	9.08e-03	-0.03
79	20	13.24	0.08	-4.63e-03	0.0	0.0	41.76	0.88	0.07	0.0	-0.19	10.14
		10.14	-0.19	-1.40e-03	0.0	360.0	43.95	0.88	0.07	0.0	0.08	13.24
79	21	-9.56	0.20	4.95e-03	0.0	0.0	-82.44	-1.06	-0.07	0.0	0.20	-9.56
		-13.31	-0.06	1.39e-03	0.0	360.0	-80.25	-1.06	-0.07	0.0	-0.06	-13.31
79	23	13.17	0.14	-4.64e-03	0.0	0.0	47.24	0.91	0.09	0.0	-0.17	10.05
		10.05	-0.17	-1.58e-03	0.0	360.0	49.44	0.91	0.09	0.0	0.14	13.17
79	26	-9.47	0.18	4.96e-03	0.0	0.0	-87.93	-1.09	-0.09	0.0	0.18	-9.47
		-13.23	-0.12	1.57e-03	0.0	360.0	-85.73	-1.09	-0.09	0.0	-0.12	-13.23
79	28	13.80	0.07	-3.79e-03	0.0	0.0	30.17	0.66	0.06	0.0	-0.16	11.43
		11.43	-0.16	-1.14e-03	0.0	360.0	32.36	0.66	0.06	0.0	0.07	13.80
79	29	-10.85	0.17	4.05e-03	0.0	0.0	-70.86	-0.84	-0.05	0.0	0.17	-10.85
		-13.86	-0.05	1.12e-03	0.0	360.0	-68.66	-0.84	-0.05	0.0	-0.05	-13.86
79	52	10.01	0.06	-3.46e-03	0.0	0.0	26.18	0.64	0.05	0.0	-0.14	7.76
		7.76	-0.14	-1.04e-03	0.0	360.0	28.38	0.64	0.05	0.0	0.06	10.01
79	53	-7.18	0.15	3.78e-03	0.0	0.0	-66.87	-0.82	-0.05	0.0	0.15	-7.18
		-10.07	-0.04	1.03e-03	0.0	360.0	-64.67	-0.82	-0.05	0.0	-0.04	-10.07
79	55	9.95	0.11	-3.46e-03	0.0	0.0	31.13	0.67	0.07	0.0	-0.13	7.69
		7.69	-0.13	-1.21e-03	0.0	360.0	33.32	0.67	0.07	0.0	0.11	9.95
79	58	-7.11	0.13	3.78e-03	0.0	0.0	-71.81	-0.85	-0.07	0.0	0.13	-7.11
		-10.01	-0.09	1.20e-03	0.0	360.0	-69.62	-0.85	-0.07	0.0	-0.09	-10.01
79	60	10.51	0.05	-2.86e-03	0.0	0.0	17.73	0.48	0.04	0.0	-0.12	8.79
		8.79	-0.12	-8.52e-04	0.0	360.0	19.93	0.48	0.04	0.0	0.05	10.51
79	61	-8.22	0.13	3.12e-03	0.0	0.0	-58.42	-0.66	-0.04	0.0	0.13	-8.22
		-10.57	-0.03	8.41e-04	0.0	360.0	-56.23	-0.66	-0.04	0.0	-0.03	-10.57

79	84	8.90	0.05	-3.06e-03	0.0	0.0	21.00	0.56	0.05	0.0	-0.13	6.94
		6.94	-0.13	-9.27e-04	0.0	360.0	23.19	0.56	0.05	0.0	0.05	8.90
79	85	-6.36	0.14	3.38e-03	0.0	0.0	-61.68	-0.74	-0.04	0.0	0.14	-6.36
		-8.96	-0.03	9.16e-04	0.0	360.0	-59.49	-0.74	-0.04	0.0	-0.03	-8.96
79	87	8.85	0.10	-3.06e-03	0.0	0.0	25.47	0.58	0.06	0.0	-0.11	6.87
		6.87	-0.11	-1.08e-03	0.0	360.0	27.66	0.58	0.06	0.0	0.10	8.85
79	90	-6.29	0.12	3.38e-03	0.0	0.0	-66.15	-0.76	-0.06	0.0	0.12	-6.29
		-8.91	-0.08	1.07e-03	0.0	360.0	-63.96	-0.76	-0.06	0.0	-0.08	-8.91
79	92	9.34	0.05	-2.52e-03	0.0	0.0	13.47	0.42	0.04	0.0	-0.11	7.85
		7.85	-0.11	-7.57e-04	0.0	360.0	15.66	0.42	0.04	0.0	0.05	9.34
79	93	-7.27	0.12	2.79e-03	0.0	0.0	-54.16	-0.60	-0.04	0.0	0.12	-7.27
		-9.40	-0.03	7.46e-04	0.0	360.0	-51.96	-0.60	-0.04	0.0	-0.03	-9.40
79	116	15.53	0.09	-5.45e-03	0.0	0.0	52.58	1.05	0.08	0.0	-0.22	11.83
		11.83	-0.22	-1.64e-03	0.0	360.0	54.78	1.05	0.08	0.0	0.09	15.53
79	117	-11.25	0.23	5.77e-03	0.0	0.0	-93.27	-1.22	-0.08	0.0	0.23	-11.25
		-15.59	-0.08	1.63e-03	0.0	360.0	-91.08	-1.22	-0.08	0.0	-0.08	-15.59
79	119	15.44	0.16	-5.46e-03	0.0	0.0	58.75	1.08	0.11	0.0	-0.20	11.73
		11.73	-0.20	-1.85e-03	0.0	360.0	60.94	1.08	0.11	0.0	0.16	15.44
79	122	-11.15	0.21	5.78e-03	0.0	0.0	-99.44	-1.26	-0.10	0.0	0.21	-11.15
		-15.50	-0.14	1.84e-03	0.0	360.0	-97.24	-1.26	-0.10	0.0	-0.14	-15.50
79	124	16.02	0.08	-4.42e-03	0.0	0.0	38.40	0.78	0.07	0.0	-0.19	13.22
		13.22	-0.19	-1.32e-03	0.0	360.0	40.60	0.78	0.07	0.0	0.08	16.02
79	125	-12.64	0.19	4.69e-03	0.0	0.0	-79.09	-0.96	-0.06	0.0	0.19	-12.64
		-16.08	-0.06	1.31e-03	0.0	360.0	-76.90	-0.96	-0.06	0.0	-0.06	-16.08
80	2	0.84	0.15	6.35e-04	0.0	0.0	-12.46	-0.25	0.08	0.0	-0.13	0.84
		-0.05	-0.13	3.10e-05	0.0	360.0	-9.61	-0.25	0.08	0.0	0.15	-0.05
80	3	0.21	0.05	1.72e-04	0.0	0.0	-6.92	-0.06	0.03	0.0	-0.07	0.21
		-0.01	-0.07	6.98e-06	0.0	360.0	-4.72	-0.06	0.03	0.0	0.05	-0.01
80	6	0.68	0.13	5.29e-04	0.0	0.0	-11.43	-0.20	0.07	0.0	-0.13	0.68
		-0.04	-0.13	3.07e-05	0.0	360.0	-8.57	-0.20	0.07	0.0	0.13	-0.04
80	9	0.21	0.05	1.62e-04	0.0	0.0	-6.91	-0.06	0.03	0.0	-0.06	0.21
		-0.01	-0.06	4.40e-06	0.0	360.0	-4.72	-0.06	0.03	0.0	0.05	-0.01
80	10	0.59	0.10	4.43e-04	0.0	0.0	-9.23	-0.17	0.05	0.0	-0.09	0.59
		-0.04	-0.09	1.96e-05	0.0	360.0	-7.03	-0.17	0.05	0.0	0.10	-0.04
80	12	0.48	0.09	3.72e-04	0.0	0.0	-8.54	-0.14	0.05	0.0	-0.10	0.48
		-0.03	-0.10	1.95e-05	0.0	360.0	-6.34	-0.14	0.05	0.0	0.09	-0.03
80	13	0.20	0.05	1.42e-04	0.0	0.0	-6.90	-0.06	0.02	0.0	-0.04	0.20
		-0.02	-0.04	-8.89e-06	0.0	360.0	-4.71	-0.06	0.02	0.0	0.05	-0.02
80	14	0.39	0.07	2.82e-04	0.0	0.0	-8.06	-0.12	0.04	0.0	-0.06	0.39
		-0.03	-0.06	-3.89e-06	0.0	360.0	-5.87	-0.12	0.04	0.0	0.07	-0.03
80	16	0.32	0.06	2.33e-04	0.0	0.0	-7.60	-0.09	0.03	0.0	-0.06	0.32
		-0.02	-0.06	-3.09e-06	0.0	360.0	-5.41	-0.09	0.03	0.0	0.06	-0.02
80	17	0.20	0.05	1.42e-04	0.0	0.0	-6.90	-0.06	0.02	0.0	-0.04	0.20
		-0.02	-0.04	-8.89e-06	0.0	360.0	-4.71	-0.06	0.02	0.0	0.05	-0.02
80	18	0.31	0.06	2.26e-04	0.0	0.0	-7.60	-0.09	0.03	0.0	-0.05	0.31
		-0.02	-0.05	-5.70e-06	0.0	360.0	-5.40	-0.09	0.03	0.0	0.06	-0.02
80	19	8.21	0.08	-6.90e-03	0.0	0.0	-6.50	1.37	0.04	0.0	-0.11	3.68
		3.68	-0.11	-1.59e-03	0.0	360.0	-4.31	1.37	0.04	0.0	0.08	8.21
80	20	8.44	0.02	-6.81e-03	0.0	0.0	-6.75	1.31	0.06	0.0	-0.13	3.99
		3.99	-0.13	-1.39e-03	0.0	360.0	-4.55	1.31	0.06	0.0	0.02	8.44
80	21	-3.37	0.11	7.26e-03	0.0	0.0	-8.45	-1.49	5.51e-03	0.0	0.02	-3.37
		-8.48	0.02	1.39e-03	0.0	360.0	-6.25	-1.49	5.51e-03	0.0	0.11	-8.48
80	22	-3.05	0.04	7.35e-03	0.0	0.0	-8.69	-1.56	0.03	0.0	4.97e-03	-3.05
		-8.25	4.97e-03	1.59e-03	0.0	360.0	-6.50	-1.56	0.03	0.0	0.04	-8.25
80	37	-1.26	0.17	2.19e-03	0.0	0.0	-7.48	-0.42	-6.61e-03	0.0	-3.90e-04	-1.26
		-2.91	-3.90e-04	1.18e-04	0.0	360.0	-5.29	-0.42	-6.61e-03	0.0	0.17	-2.91
80	51	6.20	0.08	-5.16e-03	0.0	0.0	-6.75	1.02	0.03	0.0	-0.09	2.88
		2.88	-0.09	-1.22e-03	0.0	360.0	-4.56	1.02	0.03	0.0	0.08	6.20
80	52	6.38	0.02	-5.09e-03	0.0	0.0	-6.97	0.96	0.05	0.0	-0.11	3.13
		3.13	-0.11	-1.04e-03	0.0	360.0	-4.78	0.96	0.05	0.0	0.02	6.38
80	53	-2.51	0.10	5.54e-03	0.0	0.0	-8.22	-1.15	0.01	0.0	5.69e-03	-2.51
		-6.42	5.69e-03	1.04e-03	0.0	360.0	-6.03	-1.15	0.01	0.0	0.10	-6.42
80	54	-2.25	0.04	5.61e-03	0.0	0.0	-8.44	-1.20	0.03	0.0	-9.03e-03	-2.25
		-6.24	-9.03e-03	1.21e-03	0.0	360.0	-6.25	-1.20	0.03	0.0	0.04	-6.24
80	69	-0.92	0.16	1.71e-03	0.0	0.0	-7.46	-0.33	-1.61e-03	0.0	-0.01	-0.92
		-2.22	-0.01	3.98e-05	0.0	360.0	-5.27	-0.33	-1.61e-03	0.0	0.16	-2.22
80	83	5.51	0.08	-4.56e-03	0.0	0.0	-6.85	0.90	0.03	0.0	-0.09	2.59
		2.59	-0.09	-1.08e-03	0.0	360.0	-4.65	0.90	0.03	0.0	0.08	5.51
80	84	5.67	0.03	-4.50e-03	0.0	0.0	-7.04	0.85	0.05	0.0	-0.10	2.82
		2.82	-0.10	-9.23e-04	0.0	360.0	-4.85	0.85	0.05	0.0	0.03	5.67
80	85	-2.20	0.10	4.95e-03	0.0	0.0	-8.15	-1.03	0.01	0.0	-5.37e-04	-2.20
		-5.72	-5.37e-04	9.19e-04	0.0	360.0	-5.96	-1.03	0.01	0.0	0.10	-5.72
80	86	-1.97	0.04	5.01e-03	0.0	0.0	-8.35	-1.08	0.03	0.0	-0.01	-1.97
		-5.55	-0.01	1.08e-03	0.0	360.0	-6.15	-1.08	0.03	0.0	0.04	-5.55
80	101	-0.79	0.15	1.55e-03	0.0	0.0	-7.47	-0.30	1.64e-03	0.0	-0.02	-0.79

		-1.98	-0.02	3.09e-05	0.0	360.0	-5.28	-0.30	1.64e-03	0.0	0.15	-1.98
80	115	9.62	0.08	-8.13e-03	0.0	0.0	-6.32	1.62	0.04	0.0	-0.12	4.26
		4.26	-0.12	-1.86e-03	0.0	360.0	-4.12	1.62	0.04	0.0	0.08	9.62
80	116	9.89	0.01	-8.02e-03	0.0	0.0	-6.60	1.55	0.06	0.0	-0.14	4.62
		4.62	-0.14	-1.64e-03	0.0	360.0	-4.40	1.55	0.06	0.0	0.01	9.89
80	117	-4.00	0.11	8.47e-03	0.0	0.0	-8.60	-1.74	1.45e-03	0.0	0.04	-4.00
		-9.94	0.04	1.64e-03	0.0	360.0	-6.41	-1.74	1.45e-03	0.0	0.11	-9.94
80	118	-3.63	0.04	8.58e-03	0.0	0.0	-8.88	-1.81	0.02	0.0	0.01	-3.63
		-9.67	0.01	1.86e-03	0.0	360.0	-6.68	-1.81	0.02	0.0	0.04	-9.67
80	133	-1.53	0.18	2.53e-03	0.0	0.0	-7.47	-0.48	-0.01	0.0	8.64e-03	-1.53
		-3.41	8.64e-03	1.55e-04	0.0	360.0	-5.28	-0.48	-0.01	0.0	0.18	-3.41
87	1	-4.15e-04	0.08	1.42e-04	0.0	0.0	-3.91	0.37	-0.04	0.0	0.08	-0.74
		-0.74	2.39e-04	3.42e-06	0.0	200.0	-2.33	0.37	-0.04	0.0	2.39e-04	-4.15e-04
87	2	-1.21e-03	0.18	4.21e-04	0.0	0.0	-3.91	1.17	-0.09	0.0	0.18	-2.33
		-2.33	8.62e-04	-1.25e-05	0.0	200.0	-2.33	1.17	-0.09	0.0	8.62e-04	-1.21e-03
87	3	-3.37e-04	0.06	1.14e-04	0.0	0.0	-3.01	0.28	-0.03	0.0	0.06	-0.57
		-0.57	1.75e-04	4.40e-06	0.0	200.0	-1.79	0.28	-0.03	0.0	1.75e-04	-3.37e-04
87	7	-3.88e-04	0.07	1.27e-04	0.0	0.0	-3.01	0.28	-0.04	0.0	0.07	-0.56
		-0.56	1.50e-04	9.54e-06	0.0	200.0	-1.79	0.28	-0.04	0.0	1.50e-04	-3.88e-04
87	9	-3.11e-04	0.06	1.07e-04	0.0	0.0	-3.01	0.28	-0.03	0.0	0.06	-0.57
		-0.57	1.87e-04	-2.81e-06	0.0	200.0	-1.79	0.28	-0.03	0.0	1.87e-04	-3.11e-04
87	10	-8.43e-04	0.13	2.93e-04	0.0	0.0	-3.01	0.81	-0.06	0.0	0.13	-1.63
		-1.63	6.03e-04	-8.96e-06	0.0	200.0	-1.79	0.81	-0.06	0.0	6.03e-04	-8.43e-04
87	11	-3.45e-04	0.06	1.16e-04	0.0	0.0	-3.01	0.28	-0.03	0.0	0.06	-0.57
		-0.57	1.71e-04	5.26e-06	0.0	200.0	-1.79	0.28	-0.03	0.0	1.71e-04	-3.45e-04
87	13	-2.60e-04	0.05	9.45e-05	0.0	0.0	-3.01	0.29	-0.02	0.0	0.05	-0.57
		-0.57	2.12e-04	-4.60e-06	0.0	200.0	-1.79	0.29	-0.02	0.0	2.12e-04	-2.60e-04
87	14	-5.26e-04	0.08	1.87e-04	0.0	0.0	-3.01	0.55	-0.04	0.0	0.08	-1.10
		-1.10	4.20e-04	-7.84e-06	0.0	200.0	-1.79	0.55	-0.04	0.0	4.20e-04	-5.26e-04
87	15	-2.77e-04	0.05	9.88e-05	0.0	0.0	-3.01	0.28	-0.03	0.0	0.05	-0.57
		-0.57	2.04e-04	-3.91e-06	0.0	200.0	-1.79	0.28	-0.03	0.0	2.04e-04	-2.77e-04
87	17	-2.60e-04	0.05	9.45e-05	0.0	0.0	-3.01	0.29	-0.02	0.0	0.05	-0.57
		-0.57	2.12e-04	-4.60e-06	0.0	200.0	-1.79	0.29	-0.02	0.0	2.12e-04	-2.60e-04
87	18	-4.20e-04	0.07	1.50e-04	0.0	0.0	-3.01	0.44	-0.03	0.0	0.07	-0.89
		-0.89	3.37e-04	-6.54e-06	0.0	200.0	-1.79	0.44	-0.03	0.0	3.37e-04	-4.20e-04
87	20	7.57	0.22	-8.67e-04	0.0	0.0	-3.04	-3.76	-0.12	0.0	0.22	7.57
		0.06	-0.01	9.11e-04	0.0	200.0	-1.83	-3.76	-0.12	0.0	-0.01	0.06
87	21	-0.06	0.01	1.17e-03	0.0	0.0	-2.98	4.65	0.05	0.0	-0.08	-9.35
		-9.35	-0.08	-9.20e-04	0.0	200.0	-1.76	4.65	0.05	0.0	0.01	-0.06
87	24	7.40	0.22	-8.94e-04	0.0	0.0	-3.03	-3.67	-0.12	0.0	0.22	7.40
		0.06	-0.01	9.08e-04	0.0	200.0	-1.81	-3.67	-0.12	0.0	-0.01	0.06
87	25	-0.06	0.01	1.19e-03	0.0	0.0	-3.00	4.56	0.05	0.0	-0.08	-9.18
		-9.18	-0.08	-9.18e-04	0.0	200.0	-1.78	4.56	0.05	0.0	0.01	-0.06
87	40	1.00	0.14	-3.00e-04	0.0	0.0	-3.11	-0.49	-0.07	0.0	0.14	1.00
		0.02	-3.74e-03	3.45e-04	0.0	200.0	-1.89	-0.49	-0.07	0.0	-3.74e-03	0.02
87	41	-0.02	4.41e-03	6.01e-04	0.0	0.0	-2.91	1.38	9.36e-04	0.0	2.33e-03	-2.78
		-2.78	2.33e-03	-3.54e-04	0.0	200.0	-1.69	1.38	9.36e-04	0.0	4.41e-03	-0.02
87	52	5.51	0.18	-6.18e-04	0.0	0.0	-3.04	-2.73	-0.10	0.0	0.18	5.51
		0.04	-0.01	6.93e-04	0.0	200.0	-1.82	-2.73	-0.10	0.0	-0.01	0.04
87	53	-0.05	0.01	9.18e-04	0.0	0.0	-2.98	3.62	0.03	0.0	-0.05	-7.29
		-7.29	-0.05	-7.02e-04	0.0	200.0	-1.77	3.62	0.03	0.0	0.01	-0.05
87	56	5.38	0.19	-6.39e-04	0.0	0.0	-3.02	-2.67	-0.10	0.0	0.19	5.38
		0.05	-0.01	6.91e-04	0.0	200.0	-1.80	-2.67	-0.10	0.0	-0.01	0.05
87	57	-0.05	0.01	9.40e-04	0.0	0.0	-3.00	3.56	0.03	0.0	-0.05	-7.16
		-7.16	-0.05	-7.00e-04	0.0	200.0	-1.78	3.56	0.03	0.0	0.01	-0.05
87	72	0.56	0.12	-1.90e-04	0.0	0.0	-3.09	-0.27	-0.06	0.0	0.12	0.56
		0.02	-2.82e-03	2.80e-04	0.0	200.0	-1.87	-0.27	-0.06	0.0	-2.82e-03	0.02
87	73	-0.02	0.01	4.91e-04	0.0	0.0	-2.93	1.16	-5.73e-03	0.0	0.01	-2.34
		-2.34	3.49e-03	-2.90e-04	0.0	200.0	-1.72	1.16	-5.73e-03	0.0	3.49e-03	-0.02
87	84	4.80	0.17	-5.33e-04	0.0	0.0	-3.03	-2.38	-0.09	0.0	0.17	4.80
		0.04	-9.19e-03	6.16e-04	0.0	200.0	-1.82	-2.38	-0.09	0.0	-9.19e-03	0.04
87	85	-0.04	9.87e-03	8.33e-04	0.0	0.0	-2.99	3.27	0.02	0.0	-0.03	-6.58
		-6.58	-0.03	-6.26e-04	0.0	200.0	-1.77	3.27	0.02	0.0	9.87e-03	-0.04
87	88	4.68	0.17	-5.52e-04	0.0	0.0	-3.02	-2.32	-0.09	0.0	0.17	4.68
		0.04	-9.14e-03	6.14e-04	0.0	200.0	-1.80	-2.32	-0.09	0.0	-9.14e-03	0.04
87	89	-0.04	9.82e-03	8.52e-04	0.0	0.0	-3.00	3.21	0.02	0.0	-0.03	-6.46
		-6.46	-0.03	-6.24e-04	0.0	200.0	-1.78	3.21	0.02	0.0	9.82e-03	-0.04
87	104	0.40	0.12	-1.52e-04	0.0	0.0	-3.08	-0.19	-0.06	0.0	0.12	0.40
		0.01	-2.48e-03	2.50e-04	0.0	200.0	-1.86	-0.19	-0.06	0.0	-2.48e-03	0.01
87	105	-0.02	0.02	4.53e-04	0.0	0.0	-2.94	1.08	-8.75e-03	0.0	0.02	-2.18
		-2.18	3.15e-03	-2.60e-04	0.0	200.0	-1.72	1.08	-8.75e-03	0.0	3.15e-03	-0.02
87	116	9.02	0.25	-1.04e-03	0.0	0.0	-3.05	-4.48	-0.13	0.0	0.25	9.02
		0.07	-0.02	1.07e-03	0.0	200.0	-1.83	-4.48	-0.13	0.0	-0.02	0.07
87	117	-0.07	0.02	1.34e-03	0.0	0.0	-2.97	5.37	0.06	0.0	-0.11	-10.80
		-10.80	-0.11	-1.08e-03	0.0	200.0	-1.75	5.37	0.06	0.0	0.02	-0.07

87	120	8.83	0.25	-1.07e-03	0.0	0.0	-3.03	-4.38	-0.13	0.0	0.25	8.83
		0.07	-0.02	1.06e-03	0.0	200.0	-1.81	-4.38	-0.13	0.0	-0.02	0.07
87	121	-0.07	0.02	1.37e-03	0.0	0.0	-2.99	5.27	0.06	0.0	-0.11	-10.61
		-10.61	-0.11	-1.07e-03	0.0	200.0	-1.77	5.27	0.06	0.0	0.02	-0.07
87	136	1.30	0.15	-3.72e-04	0.0	0.0	-3.13	-0.64	-0.08	0.0	0.15	1.30
		0.03	-4.38e-03	3.96e-04	0.0	200.0	-1.91	-0.64	-0.08	0.0	-4.38e-03	0.03
87	137	-0.03	5.05e-03	6.72e-04	0.0	0.0	-2.89	1.53	6.38e-03	0.0	-7.95e-03	-3.08
		-3.08	-7.95e-03	-4.05e-04	0.0	200.0	-1.67	1.53	6.38e-03	0.0	5.05e-03	-0.03
88	1	1.46e-04	0.07	1.17e-04	0.0	0.0	-5.36	0.37	-0.04	0.0	0.07	-0.75
		-0.75	2.91e-04	3.65e-06	0.0	200.0	-3.78	0.37	-0.04	0.0	2.91e-04	1.46e-04
88	2	4.93e-04	0.17	3.46e-04	0.0	0.0	-3.42	1.18	-0.08	0.0	0.17	-2.36
		-2.36	1.05e-03	-1.19e-05	0.0	200.0	-1.84	1.18	-0.08	0.0	1.05e-03	4.93e-04
88	4	4.59e-04	0.15	3.22e-04	0.0	0.0	-2.15	1.09	-0.08	0.0	0.15	-2.18
		-2.18	9.73e-04	-1.06e-05	0.0	200.0	-0.93	1.09	-0.08	0.0	9.73e-04	4.59e-04
88	7	1.10e-04	0.07	1.03e-04	0.0	0.0	-3.98	0.29	-0.03	0.0	0.07	-0.57
		-0.57	1.99e-04	9.78e-06	0.0	200.0	-2.76	0.29	-0.03	0.0	1.99e-04	1.10e-04
88	9	1.12e-04	0.06	8.82e-05	0.0	0.0	-4.14	0.29	-0.03	0.0	0.06	-0.57
		-0.57	2.26e-04	-2.61e-06	0.0	200.0	-2.92	0.29	-0.03	0.0	2.26e-04	1.12e-04
88	10	3.44e-04	0.12	2.41e-04	0.0	0.0	-2.85	0.82	-0.06	0.0	0.12	-1.65
		-1.65	7.30e-04	-8.55e-06	0.0	200.0	-1.63	0.82	-0.06	0.0	7.30e-04	3.44e-04
88	11	1.11e-04	0.06	9.48e-05	0.0	0.0	-4.07	0.29	-0.03	0.0	0.06	-0.57
		-0.57	2.14e-04	5.46e-06	0.0	200.0	-2.85	0.29	-0.03	0.0	2.14e-04	1.11e-04
88	13	1.14e-04	0.05	7.85e-05	0.0	0.0	-4.25	0.29	-0.02	0.0	0.05	-0.58
		-0.58	2.44e-04	-4.45e-06	0.0	200.0	-3.03	0.29	-0.02	0.0	2.44e-04	1.14e-04
88	14	2.30e-04	0.08	1.55e-04	0.0	0.0	-3.61	0.56	-0.04	0.0	0.08	-1.11
		-1.11	4.96e-04	-7.62e-06	0.0	200.0	-2.39	0.56	-0.04	0.0	4.96e-04	2.30e-04
88	15	1.14e-04	0.05	8.17e-05	0.0	0.0	-4.21	0.29	-0.03	0.0	0.05	-0.58
		-0.58	2.38e-04	-3.74e-06	0.0	200.0	-3.00	0.29	-0.03	0.0	2.38e-04	1.14e-04
88	17	1.14e-04	0.05	7.85e-05	0.0	0.0	-4.25	0.29	-0.02	0.0	0.05	-0.58
		-0.58	2.44e-04	-4.45e-06	0.0	200.0	-3.03	0.29	-0.02	0.0	2.44e-04	1.14e-04
88	18	1.84e-04	0.07	1.24e-04	0.0	0.0	-3.86	0.45	-0.03	0.0	0.07	-0.90
		-0.90	3.95e-04	-6.35e-06	0.0	200.0	-2.65	0.45	-0.03	0.0	3.95e-04	1.84e-04
88	20	12.27	0.19	2.51e-03	0.0	0.0	-21.75	-6.18	-0.10	0.0	0.19	12.27
		-0.08	-0.01	9.12e-04	0.0	200.0	-20.53	-6.18	-0.10	0.0	-0.01	-0.08
88	21	0.08	0.01	-2.26e-03	0.0	0.0	14.02	7.08	0.03	0.0	-0.05	-14.07
		-14.07	-0.05	-9.21e-04	0.0	200.0	15.24	7.08	0.03	0.0	0.01	0.08
88	24	11.99	0.19	2.54e-03	0.0	0.0	-21.61	-6.04	-0.10	0.0	0.19	11.99
		-0.08	-0.01	9.10e-04	0.0	200.0	-20.39	-6.04	-0.10	0.0	-0.01	-0.08
88	25	0.08	0.01	-2.29e-03	0.0	0.0	13.88	6.94	0.03	0.0	-0.05	-13.79
		-13.79	-0.05	-9.19e-04	0.0	200.0	15.10	6.94	0.03	0.0	0.01	0.08
88	28	12.79	0.16	3.45e-03	0.0	0.0	-18.62	-6.45	-0.09	0.0	0.16	12.79
		-0.11	-0.01	7.53e-04	0.0	200.0	-17.40	-6.45	-0.09	0.0	-0.01	-0.11
88	29	0.11	0.01	-3.20e-03	0.0	0.0	10.89	7.35	0.02	0.0	-0.03	-14.59
		-14.59	-0.03	-7.63e-04	0.0	200.0	12.11	7.35	0.02	0.0	0.01	0.11
88	52	9.06	0.16	1.92e-03	0.0	0.0	-17.46	-4.56	-0.08	0.0	0.16	9.06
		-0.06	-0.01	6.94e-04	0.0	200.0	-16.24	-4.56	-0.08	0.0	-0.01	-0.06
88	53	0.06	0.01	-1.68e-03	0.0	0.0	9.73	5.46	0.02	0.0	-0.02	-10.86
		-10.86	-0.02	-7.04e-04	0.0	200.0	10.95	5.46	0.02	0.0	0.01	0.06
88	56	8.83	0.16	1.95e-03	0.0	0.0	-17.33	-4.45	-0.09	0.0	0.16	8.83
		-0.06	-0.01	6.92e-04	0.0	200.0	-16.11	-4.45	-0.09	0.0	-0.01	-0.06
88	57	0.06	0.01	-1.70e-03	0.0	0.0	9.61	5.35	0.02	0.0	-0.03	-10.63
		-10.63	-0.03	-7.02e-04	0.0	200.0	10.82	5.35	0.02	0.0	0.01	0.06
88	60	9.53	0.14	2.65e-03	0.0	0.0	-15.18	-4.81	-0.07	0.0	0.14	9.53
		-0.09	-8.48e-03	5.79e-04	0.0	200.0	-13.96	-4.81	-0.07	0.0	-8.48e-03	-0.09
88	61	0.09	9.27e-03	-2.40e-03	0.0	0.0	7.45	5.71	8.42e-03	0.0	-7.63e-03	-11.33
		-11.33	-7.63e-03	-5.88e-04	0.0	200.0	8.67	5.71	8.42e-03	0.0	9.27e-03	0.09
88	84	7.96	0.15	1.72e-03	0.0	0.0	-15.96	-4.01	-0.08	0.0	0.15	7.96
		-0.06	-9.16e-03	6.17e-04	0.0	200.0	-14.74	-4.01	-0.08	0.0	-9.16e-03	-0.06
88	85	0.06	9.95e-03	-1.48e-03	0.0	0.0	8.24	4.91	0.01	0.0	-0.01	-9.76
		-9.76	-0.01	-6.27e-04	0.0	200.0	9.45	4.91	0.01	0.0	9.95e-03	0.06
88	88	7.76	0.15	1.74e-03	0.0	0.0	-15.85	-3.90	-0.08	0.0	0.15	7.76
		-0.06	-9.11e-03	6.16e-04	0.0	200.0	-14.63	-3.90	-0.08	0.0	-9.11e-03	-0.06
88	89	0.06	9.90e-03	-1.50e-03	0.0	0.0	8.12	4.80	0.01	0.0	-0.02	-9.55
		-9.55	-0.02	-6.25e-04	0.0	200.0	9.34	4.80	0.01	0.0	9.90e-03	0.06
88	92	8.38	0.13	2.37e-03	0.0	0.0	-13.93	-4.23	-0.07	0.0	0.13	8.38
		-0.08	-7.50e-03	5.14e-04	0.0	200.0	-12.71	-4.23	-0.07	0.0	-7.50e-03	-0.08
88	93	0.08	8.29e-03	-2.12e-03	0.0	0.0	6.20	5.13	3.87e-03	0.0	4.88e-04	-10.18
		-10.18	4.88e-04	-5.24e-04	0.0	200.0	7.42	5.13	3.87e-03	0.0	8.29e-03	0.08
88	116	14.54	0.21	2.92e-03	0.0	0.0	-24.81	-7.32	-0.11	0.0	0.21	14.54
		-0.10	-0.02	1.07e-03	0.0	200.0	-23.59	-7.32	-0.11	0.0	-0.02	-0.10
88	117	0.10	0.02	-2.67e-03	0.0	0.0	17.08	8.22	0.04	0.0	-0.07	-16.34
		-16.34	-0.07	-1.08e-03	0.0	200.0	18.30	8.22	0.04	0.0	0.02	0.10
88	120	14.22	0.21	2.96e-03	0.0	0.0	-24.64	-7.15	-0.11	0.0	0.21	14.22
		-0.10	-0.02	1.07e-03	0.0	200.0	-23.42	-7.15	-0.11	0.0	-0.02	-0.10
88	121	0.10	0.02	-2.71e-03	0.0	0.0	16.92	8.05	0.05	0.0	-0.08	-16.01

		-16.01	-0.08	-1.07e-03	0.0	200.0	18.13	8.05	0.05	0.0	0.02	0.10
88	124	15.00	0.18	3.98e-03	0.0	0.0	-20.98	-7.56	-0.10	0.0	0.18	15.00
		-0.13	-0.01	8.74e-04	0.0	200.0	-19.76	-7.56	-0.10	0.0	-0.01	-0.13
88	125	0.13	0.01	-3.73e-03	0.0	0.0	13.25	8.46	0.03	0.0	-0.04	-16.80
		-16.80	-0.04	-8.83e-04	0.0	200.0	14.47	8.46	0.03	0.0	0.01	0.13
89	2	-4.35e-04	0.29	3.46e-04	0.0	0.0	-6.65	0.04	-0.14	0.0	0.29	-0.08
		-0.08	-1.05e-03	1.09e-04	0.0	200.0	-5.06	0.04	-0.14	0.0	-1.05e-03	-4.35e-04
89	3	-1.16e-04	0.08	9.32e-05	0.0	0.0	-4.96	8.26e-03	-0.04	0.0	0.08	-0.02
		-0.02	-2.17e-04	2.88e-05	0.0	200.0	-3.74	8.26e-03	-0.04	0.0	-2.17e-04	-1.16e-04
89	7	-1.18e-04	0.08	1.03e-04	0.0	0.0	-4.95	7.07e-03	-0.04	0.0	0.08	-0.01
		-0.01	-1.99e-04	3.22e-05	0.0	200.0	-3.73	7.07e-03	-0.04	0.0	-1.99e-04	-1.18e-04
89	9	-1.15e-04	0.08	8.83e-05	0.0	0.0	-4.97	8.85e-03	-0.04	0.0	0.08	-0.02
		-0.02	-2.26e-04	2.71e-05	0.0	200.0	-3.75	8.85e-03	-0.04	0.0	-2.26e-04	-1.15e-04
89	10	-3.05e-04	0.20	2.41e-04	0.0	0.0	-5.09	0.03	-0.10	0.0	0.20	-0.05
		-0.05	-7.30e-04	7.55e-05	0.0	200.0	-3.88	0.03	-0.10	0.0	-7.30e-04	-3.05e-04
89	11	-1.16e-04	0.08	9.49e-05	0.0	0.0	-4.96	8.06e-03	-0.04	0.0	0.08	-0.02
		-0.02	-2.14e-04	2.94e-05	0.0	200.0	-3.74	8.06e-03	-0.04	0.0	-2.14e-04	-1.16e-04
89	13	-1.12e-04	0.07	7.85e-05	0.0	0.0	-4.98	0.01	-0.04	0.0	0.07	-0.02
		-0.02	-2.44e-04	2.36e-05	0.0	200.0	-3.76	0.01	-0.04	0.0	-2.44e-04	-1.12e-04
89	14	-2.07e-04	0.14	1.55e-04	0.0	0.0	-5.04	0.02	-0.07	0.0	0.14	-0.04
		-0.04	-4.96e-04	4.79e-05	0.0	200.0	-3.82	0.02	-0.07	0.0	-4.96e-04	-2.07e-04
89	15	-1.13e-04	0.07	8.18e-05	0.0	0.0	-4.97	9.64e-03	-0.04	0.0	0.07	-0.02
		-0.02	-2.38e-04	2.48e-05	0.0	200.0	-3.76	9.64e-03	-0.04	0.0	-2.38e-04	-1.13e-04
89	17	-1.12e-04	0.07	7.85e-05	0.0	0.0	-4.98	0.01	-0.04	0.0	0.07	-0.02
		-0.02	-2.44e-04	2.36e-05	0.0	200.0	-3.76	0.01	-0.04	0.0	-2.44e-04	-1.12e-04
89	18	-1.69e-04	0.11	1.24e-04	0.0	0.0	-5.02	0.02	-0.06	0.0	0.11	-0.03
		-0.03	-3.95e-04	3.82e-05	0.0	200.0	-3.80	0.02	-0.06	0.0	-3.95e-04	-1.69e-04
89	19	12.89	0.02	2.55e-03	0.0	0.0	13.72	-6.49	-9.12e-04	0.0	0.02	12.89
		-0.09	0.01	-8.48e-04	0.0	200.0	14.93	-6.49	-9.12e-04	0.0	0.01	-0.09
89	20	13.24	0.01	2.51e-03	0.0	0.0	12.01	-6.66	0.02	0.0	-0.03	13.24
		-0.08	-0.03	-7.85e-04	0.0	200.0	13.23	-6.66	0.02	0.0	0.01	-0.08
89	21	0.08	0.25	-2.26e-03	0.0	0.0	-22.05	6.69	-0.13	0.0	0.25	-13.31
		-13.31	-0.01	8.61e-04	0.0	200.0	-20.83	6.69	-0.13	0.0	-0.01	0.08
89	22	0.08	0.21	-2.30e-03	0.0	0.0	-23.75	6.52	-0.11	0.0	0.21	-12.95
		-12.95	-0.01	9.25e-04	0.0	200.0	-22.53	6.52	-0.11	0.0	-0.01	0.08
89	28	13.80	0.01	3.45e-03	0.0	0.0	8.80	-6.95	6.68e-03	0.0	-2.22e-03	13.80
		-0.11	-2.22e-03	-6.29e-04	0.0	200.0	10.02	-6.95	6.68e-03	0.0	0.01	-0.11
89	29	0.11	0.22	-3.20e-03	0.0	0.0	-18.84	6.99	-0.12	0.0	0.22	-13.86
		-13.86	-0.01	7.06e-04	0.0	200.0	-17.62	6.99	-0.12	0.0	-0.01	0.11
89	51	9.72	0.04	1.95e-03	0.0	0.0	9.26	-4.89	-0.02	0.0	0.04	9.72
		-0.07	0.01	-6.36e-04	0.0	200.0	10.48	-4.89	-0.02	0.0	0.01	-0.07
89	53	0.06	0.22	-1.68e-03	0.0	0.0	-17.76	5.07	-0.11	0.0	0.22	-10.07
		-10.07	-0.01	6.55e-04	0.0	200.0	-16.54	5.07	-0.11	0.0	-0.01	0.06
89	54	0.06	0.18	-1.70e-03	0.0	0.0	-19.29	4.92	-0.09	0.0	0.18	-9.79
		-9.79	-0.01	7.13e-04	0.0	200.0	-18.07	4.92	-0.09	0.0	-0.01	0.06
89	60	10.51	0.02	2.65e-03	0.0	0.0	5.39	-5.30	-6.61e-03	0.0	0.02	10.51
		-0.09	8.48e-03	-4.66e-04	0.0	200.0	6.61	-5.30	-6.61e-03	0.0	8.48e-03	-0.09
89	61	0.09	0.20	-2.40e-03	0.0	0.0	-15.42	5.33	-0.10	0.0	0.20	-10.57
		-10.57	-9.27e-03	5.42e-04	0.0	200.0	-14.20	5.33	-0.10	0.0	-9.27e-03	0.09
89	83	8.64	0.05	1.75e-03	0.0	0.0	7.69	-4.35	-0.02	0.0	0.05	8.64
		-0.06	8.88e-03	-5.62e-04	0.0	200.0	8.91	-4.35	-0.02	0.0	8.88e-03	-0.06
89	85	0.06	0.21	-1.48e-03	0.0	0.0	-16.34	4.51	-0.11	0.0	0.21	-8.96
		-8.96	-9.95e-03	5.87e-04	0.0	200.0	-15.12	4.51	-0.11	0.0	-9.95e-03	0.06
89	86	0.06	0.17	-1.50e-03	0.0	0.0	-17.72	4.38	-0.09	0.0	0.17	-8.70
		-8.70	-9.67e-03	6.38e-04	0.0	200.0	-16.50	4.38	-0.09	0.0	-9.67e-03	0.06
89	92	9.34	0.03	2.37e-03	0.0	0.0	4.22	-4.71	-0.01	0.0	0.03	9.34
		-0.08	7.50e-03	-4.09e-04	0.0	200.0	5.44	-4.71	-0.01	0.0	7.50e-03	-0.08
89	93	0.08	0.19	-2.12e-03	0.0	0.0	-14.25	4.74	-0.10	0.0	0.19	-9.40
		-9.40	-8.29e-03	4.86e-04	0.0	200.0	-13.04	4.74	-0.10	0.0	-8.29e-03	0.08
89	115	15.12	0.02	2.97e-03	0.0	0.0	16.90	-7.61	8.95e-03	0.0	-2.04e-03	15.12
		-0.10	-2.04e-03	-1.00e-03	0.0	200.0	18.12	-7.61	8.95e-03	0.0	0.02	-0.10
89	116	15.53	0.02	2.92e-03	0.0	0.0	14.99	-7.81	0.03	0.0	-0.05	15.53
		-0.10	-0.05	-9.28e-04	0.0	200.0	16.21	-7.81	0.03	0.0	0.02	-0.10
89	117	0.10	0.27	-2.67e-03	0.0	0.0	-25.02	7.84	-0.14	0.0	0.27	-15.59
		-15.59	-0.02	1.00e-03	0.0	200.0	-23.80	7.84	-0.14	0.0	-0.02	0.10
89	118	0.10	0.22	-2.72e-03	0.0	0.0	-26.94	7.64	-0.12	0.0	0.22	-15.18
		-15.18	-0.02	1.08e-03	0.0	200.0	-25.72	7.64	-0.12	0.0	-0.02	0.10
89	124	16.02	0.01	3.98e-03	0.0	0.0	11.06	-8.08	0.02	0.0	-0.02	16.02
		-0.13	-0.02	-7.38e-04	0.0	200.0	12.28	-8.08	0.02	0.0	0.01	-0.13
89	125	0.13	0.24	-3.73e-03	0.0	0.0	-21.09	8.11	-0.13	0.0	0.24	-16.08
		-16.08	-0.01	8.14e-04	0.0	200.0	-19.87	8.11	-0.13	0.0	-0.01	0.13
90	1	-4.11e-04	0.07	1.42e-04	0.0	0.0	-3.91	7.28e-03	-0.03	0.0	0.07	-0.01
		-0.01	-2.39e-04	3.53e-05	0.0	200.0	-2.33	7.28e-03	-0.03	0.0	-2.39e-04	-4.11e-04
90	2	-1.20e-03	0.15	4.20e-04	0.0	0.0	-3.91	0.03	-0.07	0.0	0.15	-0.05
		-0.05	-8.62e-04	1.10e-04	0.0	200.0	-2.33	0.03	-0.07	0.0	-8.62e-04	-1.20e-03

90	3	-3.34e-04	0.05	1.14e-04	0.0	0.0	-3.01	5.06e-03	-0.03	0.0	0.05	-0.01
		-0.01	-1.75e-04	2.81e-05	0.0	200.0	-1.79	5.06e-03	-0.03	0.0	-1.75e-04	-3.34e-04
90	4	-1.13e-03	0.13	3.92e-04	0.0	0.0	-3.01	0.02	-0.07	0.0	0.13	-0.05
		-0.05	-7.98e-04	1.02e-04	0.0	200.0	-1.79	0.02	-0.07	0.0	-7.98e-04	-1.13e-03
90	9	-3.08e-04	0.05	1.07e-04	0.0	0.0	-3.01	5.84e-03	-0.02	0.0	0.05	-0.01
		-0.01	-1.87e-04	2.68e-05	0.0	200.0	-1.79	5.84e-03	-0.02	0.0	-1.87e-04	-3.08e-04
90	10	-8.37e-04	0.10	2.93e-04	0.0	0.0	-3.01	0.02	-0.05	0.0	0.10	-0.04
		-0.04	-6.03e-04	7.63e-05	0.0	200.0	-1.79	0.02	-0.05	0.0	-6.03e-04	-8.37e-04
90	13	-2.57e-04	0.05	9.44e-05	0.0	0.0	-3.01	7.40e-03	-0.02	0.0	0.05	-0.02
		-0.02	-2.12e-04	2.40e-05	0.0	200.0	-1.79	7.40e-03	-0.02	0.0	-2.12e-04	-2.57e-04
90	14	-5.22e-04	0.07	1.87e-04	0.0	0.0	-3.01	0.01	-0.04	0.0	0.07	-0.03
		-0.03	-4.20e-04	4.88e-05	0.0	200.0	-1.79	0.01	-0.04	0.0	-4.20e-04	-5.22e-04
90	17	-2.57e-04	0.05	9.44e-05	0.0	0.0	-3.01	7.40e-03	-0.02	0.0	0.05	-0.02
		-0.02	-2.12e-04	2.40e-05	0.0	200.0	-1.79	7.40e-03	-0.02	0.0	-2.12e-04	-2.57e-04
90	18	-4.16e-04	0.06	1.50e-04	0.0	0.0	-3.01	0.01	-0.03	0.0	0.06	-0.02
		-0.02	-3.37e-04	3.89e-05	0.0	200.0	-1.79	0.01	-0.03	0.0	-3.37e-04	-4.16e-04
90	20	8.44	0.01	-8.69e-04	0.0	0.0	-2.98	-4.19	3.45e-03	0.0	6.27e-03	8.44
		0.06	6.27e-03	-7.90e-04	0.0	200.0	-1.76	-4.19	3.45e-03	0.0	0.01	0.06
90	21	-0.06	0.12	1.17e-03	0.0	0.0	-3.05	4.21	-0.07	0.0	0.12	-8.48
		-8.48	-0.01	8.67e-04	0.0	200.0	-1.83	4.21	-0.07	0.0	-0.01	-0.06
90	36	2.86	4.51e-03	-1.15e-04	0.0	0.0	-2.91	-1.42	0.03	0.0	-0.05	2.86
		0.01	-0.05	-1.23e-04	0.0	200.0	-1.69	-1.42	0.03	0.0	4.51e-03	0.01
90	37	-0.01	0.17	4.01e-04	0.0	0.0	-3.11	1.45	-0.09	0.0	0.17	-2.91
		-2.91	-5.18e-03	2.01e-04	0.0	200.0	-1.89	1.45	-0.09	0.0	-5.18e-03	-0.01
90	40	1.87	3.74e-03	-3.01e-04	0.0	0.0	-2.91	-0.92	0.02	0.0	-0.05	1.87
		0.02	-0.05	-7.61e-05	0.0	200.0	-1.69	-0.92	0.02	0.0	3.74e-03	0.02
90	41	-0.02	0.17	6.01e-04	0.0	0.0	-3.11	0.95	-0.09	0.0	0.17	-1.92
		-1.92	-4.41e-03	1.54e-04	0.0	200.0	-1.89	0.95	-0.09	0.0	-4.41e-03	-0.02
90	52	6.38	0.02	-6.20e-04	0.0	0.0	-2.98	-3.17	-2.63e-03	0.0	0.02	6.38
		0.04	0.01	-5.83e-04	0.0	200.0	-1.76	-3.17	-2.63e-03	0.0	0.01	0.04
90	53	-0.05	0.11	9.20e-04	0.0	0.0	-3.04	3.19	-0.06	0.0	0.11	-6.42
		-6.42	-0.01	6.61e-04	0.0	200.0	-1.82	3.19	-0.06	0.0	-0.01	-0.05
90	68	2.17	3.38e-03	-6.43e-05	0.0	0.0	-2.93	-1.08	0.02	0.0	-0.04	2.17
		9.88e-03	-0.04	-6.99e-05	0.0	200.0	-1.71	-1.08	0.02	0.0	3.38e-03	9.88e-03
90	69	-0.01	0.16	3.37e-04	0.0	0.0	-3.09	1.10	-0.08	0.0	0.16	-2.22
		-2.22	-4.06e-03	1.48e-04	0.0	200.0	-1.87	1.10	-0.08	0.0	-4.06e-03	-0.01
90	72	1.43	2.82e-03	-1.91e-04	0.0	0.0	-2.93	-0.71	0.02	0.0	-0.04	1.43
		0.02	-0.04	-3.56e-05	0.0	200.0	-1.71	-0.71	0.02	0.0	2.82e-03	0.02
90	73	-0.02	0.16	4.91e-04	0.0	0.0	-3.09	0.73	-0.08	0.0	0.16	-1.48
		-1.48	-3.49e-03	1.13e-04	0.0	200.0	-1.87	0.73	-0.08	0.0	-3.49e-03	-0.02
90	84	5.67	0.02	-5.34e-04	0.0	0.0	-2.99	-2.82	-5.56e-03	0.0	0.02	5.67
		0.04	9.19e-03	-5.14e-04	0.0	200.0	-1.77	-2.82	-5.56e-03	0.0	9.19e-03	0.04
90	85	-0.04	0.10	8.34e-04	0.0	0.0	-3.03	2.84	-0.06	0.0	0.10	-5.72
		-5.72	-9.87e-03	5.91e-04	0.0	200.0	-1.82	2.84	-0.06	0.0	-9.87e-03	-0.04
90	100	1.93	2.98e-03	-4.87e-05	0.0	0.0	-2.94	-0.96	0.02	0.0	-0.03	1.93
		8.73e-03	-0.03	-5.67e-05	0.0	200.0	-1.72	-0.96	0.02	0.0	2.98e-03	8.73e-03
90	101	-9.56e-03	0.15	3.16e-04	0.0	0.0	-3.08	0.98	-0.08	0.0	0.15	-1.98
		-1.98	-3.65e-03	1.34e-04	0.0	200.0	-1.86	0.98	-0.08	0.0	-3.65e-03	-9.56e-03
90	104	1.27	2.48e-03	-1.53e-04	0.0	0.0	-2.94	-0.63	0.01	0.0	-0.03	1.27
		0.01	-0.03	-2.61e-05	0.0	200.0	-1.72	-0.63	0.01	0.0	2.48e-03	0.01
90	105	-0.02	0.15	4.53e-04	0.0	0.0	-3.08	0.65	-0.08	0.0	0.15	-1.32
		-1.32	-3.15e-03	1.04e-04	0.0	200.0	-1.86	0.65	-0.08	0.0	-3.15e-03	-0.02
90	116	9.89	0.02	-1.04e-03	0.0	0.0	-2.97	-4.91	8.66e-03	0.0	-1.83e-03	9.89
		0.07	-1.83e-03	-9.34e-04	0.0	200.0	-1.75	-4.91	8.66e-03	0.0	0.02	0.07
90	117	-0.07	0.13	1.34e-03	0.0	0.0	-3.05	4.94	-0.07	0.0	0.13	-9.94
		-9.94	-0.02	1.01e-03	0.0	200.0	-1.83	4.94	-0.07	0.0	-0.02	-0.07
90	132	3.36	5.32e-03	-1.53e-04	0.0	0.0	-2.89	-1.67	0.03	0.0	-0.06	3.36
		0.02	-0.06	-1.55e-04	0.0	200.0	-1.67	-1.67	0.03	0.0	5.32e-03	0.02
90	133	-0.02	0.19	4.45e-04	0.0	0.0	-3.13	1.69	-0.10	0.0	0.19	-3.41
		-3.41	-5.99e-03	2.33e-04	0.0	200.0	-1.91	1.69	-0.10	0.0	-5.99e-03	-0.02
90	136	2.18	4.38e-03	-3.73e-04	0.0	0.0	-2.89	-1.08	0.03	0.0	-0.06	2.18
		0.03	-0.06	-9.80e-05	0.0	200.0	-1.67	-1.08	0.03	0.0	4.38e-03	0.03
90	137	-0.03	0.18	6.73e-04	0.0	0.0	-3.13	1.10	-0.09	0.0	0.18	-2.23
		-2.23	-5.05e-03	1.76e-04	0.0	200.0	-1.91	1.10	-0.09	0.0	-5.05e-03	-0.03
91	2	0.02	0.19	3.45e-05	0.0	0.0	-6.90	-5.30e-03	-0.05	0.0	0.19	0.02
		0.01	0.10	-1.22e-04	0.0	180.0	-5.48	-5.30e-03	-0.05	0.0	0.10	0.01
91	7	6.50e-03	0.60	7.92e-06	0.0	0.0	-4.51	-1.60e-03	-0.16	0.0	0.60	6.50e-03
		3.62e-03	0.32	-1.59e-04	0.0	180.0	-3.41	-1.60e-03	-0.16	0.0	0.32	3.62e-03
91	10	0.02	0.12	2.41e-05	0.0	0.0	-5.20	-3.76e-03	-0.03	0.0	0.12	0.02
		8.45e-03	0.06	-8.21e-05	0.0	180.0	-4.11	-3.76e-03	-0.03	0.0	0.06	8.45e-03
91	11	6.57e-03	0.38	8.01e-06	0.0	0.0	-4.51	-1.63e-03	-0.10	0.0	0.38	6.57e-03
		3.63e-03	0.20	-1.09e-04	0.0	180.0	-3.41	-1.63e-03	-0.10	0.0	0.20	3.63e-03
91	14	0.01	-0.05	1.62e-05	0.0	0.0	-4.86	-2.74e-03	0.03	0.0	-0.10	0.01
		6.06e-03	-0.10	-1.45e-05	0.0	180.0	-3.77	-2.74e-03	0.03	0.0	-0.05	6.06e-03
91	15	6.67e-03	0.03	8.15e-06	0.0	0.0	-4.52	-1.67e-03	-6.86e-03	0.0	0.03	6.67e-03

		3.66e-03	0.01	-2.78e-05	0.0	180.0	-3.42	-1.67e-03	-6.86e-03	0.0	0.01	3.66e-03
91	17	6.69e-03	-0.03	8.18e-06	0.0	0.0	-4.52	-1.69e-03	0.02	0.0	-0.06	6.69e-03
		3.66e-03	-0.06	-7.55e-06	0.0	180.0	-3.42	-1.69e-03	0.02	0.0	-0.03	3.66e-03
91	18	9.27e-03	-0.05	1.30e-05	0.0	0.0	-4.72	-2.32e-03	0.02	0.0	-0.09	9.27e-03
		5.10e-03	-0.09	-1.17e-05	0.0	180.0	-3.63	-2.32e-03	0.02	0.0	-0.05	5.10e-03
91	20	0.11	-0.11	-5.65e-04	0.0	0.0	18.87	0.14	0.06	0.0	-0.11	-0.31
		-0.31	-0.28	9.47e-04	0.0	180.0	19.96	0.14	0.06	0.0	-0.28	0.11
91	21	0.33	0.19	5.91e-04	0.0	0.0	-28.32	-0.14	-0.01	0.0	-0.07	0.33
		-0.10	-0.07	-9.70e-04	0.0	180.0	-27.22	-0.14	-0.01	0.0	0.19	-0.10
91	28	0.18	-0.10	-5.13e-04	0.0	0.0	16.35	0.25	0.06	0.0	-0.10	-0.34
		-0.34	-0.27	7.89e-04	0.0	180.0	17.45	0.25	0.06	0.0	-0.27	0.18
91	29	0.36	0.18	5.39e-04	0.0	0.0	-25.80	-0.25	-0.01	0.0	-0.07	0.36
		-0.17	-0.07	-8.13e-04	0.0	180.0	-24.71	-0.25	-0.01	0.0	0.18	-0.17
91	44	0.02	-0.02	-1.37e-04	0.0	0.0	1.52	0.01	-0.20	0.0	-0.02	-0.06
		-0.06	-0.49	4.73e-04	0.0	180.0	2.61	0.01	-0.20	0.0	-0.49	0.02
91	45	0.08	0.40	1.63e-04	0.0	0.0	-10.97	-0.02	0.25	0.0	-0.15	0.08
		-9.44e-03	-0.15	-4.97e-04	0.0	180.0	-9.87	-0.02	0.25	0.0	0.40	-9.44e-03
91	52	0.09	-0.10	-4.26e-04	0.0	0.0	13.17	0.11	0.05	0.0	-0.10	-0.23
		-0.23	-0.23	7.22e-04	0.0	180.0	14.27	0.11	0.05	0.0	-0.23	0.09
91	53	0.25	0.14	4.52e-04	0.0	0.0	-22.62	-0.11	7.68e-04	0.0	-0.07	0.25
		-0.08	-0.07	-7.45e-04	0.0	180.0	-21.52	-0.11	7.68e-04	0.0	0.14	-0.08
91	60	0.15	-0.10	-3.90e-04	0.0	0.0	11.41	0.20	0.05	0.0	-0.10	-0.27
		-0.27	-0.23	6.07e-04	0.0	180.0	12.50	0.20	0.05	0.0	-0.23	0.15
91	61	0.29	0.14	4.16e-04	0.0	0.0	-20.86	-0.21	7.38e-04	0.0	-0.07	0.29
		-0.14	-0.07	-6.30e-04	0.0	180.0	-19.76	-0.21	7.38e-04	0.0	0.14	-0.14
91	76	0.01	-0.04	-9.85e-05	0.0	0.0	-0.08	7.71e-03	-0.18	0.0	-0.04	-0.04
		-0.04	-0.43	3.87e-04	0.0	180.0	1.02	7.71e-03	-0.18	0.0	-0.43	0.01
91	77	0.06	0.34	1.25e-04	0.0	0.0	-9.37	-0.01	0.22	0.0	-0.14	0.06
		-4.21e-03	-0.14	-4.10e-04	0.0	180.0	-8.27	-0.01	0.22	0.0	0.34	-4.21e-03
91	84	0.08	-0.10	-3.77e-04	0.0	0.0	11.20	0.10	0.04	0.0	-0.10	-0.21
		-0.21	-0.22	6.41e-04	0.0	180.0	12.29	0.10	0.04	0.0	-0.22	0.08
91	85	0.22	0.12	4.03e-04	0.0	0.0	-20.65	-0.10	3.58e-03	0.0	-0.07	0.22
		-0.07	-0.07	-6.65e-04	0.0	180.0	-19.55	-0.10	3.58e-03	0.0	0.12	-0.07
91	92	0.14	-0.10	-3.46e-04	0.0	0.0	9.63	0.18	0.04	0.0	-0.10	-0.24
		-0.24	-0.21	5.39e-04	0.0	180.0	10.72	0.18	0.04	0.0	-0.21	0.14
91	93	0.26	0.12	3.72e-04	0.0	0.0	-19.08	-0.19	3.43e-03	0.0	-0.08	0.26
		-0.13	-0.08	-5.62e-04	0.0	180.0	-17.98	-0.19	3.43e-03	0.0	0.12	-0.13
91	108	0.01	-0.04	-8.60e-05	0.0	0.0	-0.60	6.42e-03	-0.16	0.0	-0.04	-0.04
		-0.04	-0.40	3.46e-04	0.0	180.0	0.50	6.42e-03	-0.16	0.0	-0.40	0.01
91	109	0.05	0.30	1.12e-04	0.0	0.0	-8.85	-0.01	0.20	0.0	-0.13	0.05
		-3.02e-03	-0.13	-3.69e-04	0.0	180.0	-7.75	-0.01	0.20	0.0	0.30	-3.02e-03
91	116	0.13	-0.11	-6.64e-04	0.0	0.0	22.91	0.16	0.07	0.0	-0.11	-0.36
		-0.36	-0.31	1.11e-03	0.0	180.0	24.00	0.16	0.07	0.0	-0.31	0.13
91	117	0.38	0.22	6.90e-04	0.0	0.0	-32.36	-0.17	-0.02	0.0	-0.06	0.38
		-0.12	-0.06	-1.13e-03	0.0	180.0	-31.26	-0.17	-0.02	0.0	0.22	-0.12
91	124	0.21	-0.11	-5.97e-04	0.0	0.0	19.73	0.29	0.07	0.0	-0.11	-0.40
		-0.40	-0.30	9.16e-04	0.0	180.0	20.83	0.29	0.07	0.0	-0.30	0.21
91	125	0.42	0.21	6.23e-04	0.0	0.0	-29.18	-0.29	-0.02	0.0	-0.07	0.42
		-0.20	-0.07	-9.39e-04	0.0	180.0	-28.08	-0.29	-0.02	0.0	0.21	-0.20
91	140	0.02	-0.01	-1.64e-04	0.0	0.0	2.61	0.02	-0.23	0.0	-0.01	-0.07
		-0.07	-0.55	5.47e-04	0.0	180.0	3.71	0.02	-0.23	0.0	-0.55	0.02
91	141	0.09	0.46	1.90e-04	0.0	0.0	-12.06	-0.02	0.28	0.0	-0.16	0.09
		-0.01	-0.16	-5.70e-04	0.0	180.0	-10.97	-0.02	0.28	0.0	0.46	-0.01
92	2	0.01	0.49	3.63e-05	0.0	0.0	-3.91	-3.37e-03	-0.13	0.0	0.49	0.01
		8.08e-03	0.26	-4.93e-05	0.0	180.0	-2.48	-3.37e-03	-0.13	0.0	0.26	8.08e-03
92	3	1.97e-03	0.45	9.21e-06	0.0	0.0	-3.79	-4.24e-04	-0.12	0.0	0.45	1.97e-03
		1.21e-03	0.24	-8.38e-05	0.0	180.0	-2.69	-4.24e-04	-0.12	0.0	0.24	1.21e-03
92	4	0.01	0.49	3.35e-05	0.0	0.0	-2.77	-3.24e-03	-0.13	0.0	0.49	0.01
		7.72e-03	0.25	-5.15e-05	0.0	180.0	-1.68	-3.24e-03	-0.13	0.0	0.25	7.72e-03
92	5	2.54e-03	0.75	1.19e-05	0.0	0.0	-4.93	-5.37e-04	-0.20	0.0	0.75	2.54e-03
		1.57e-03	0.39	-1.44e-04	0.0	180.0	-3.50	-5.37e-04	-0.20	0.0	0.39	1.57e-03
92	6	0.01	0.77	2.89e-05	0.0	0.0	-4.22	-2.51e-03	-0.20	0.0	0.77	0.01
		6.13e-03	0.40	-1.18e-04	0.0	180.0	-2.79	-2.51e-03	-0.20	0.0	0.40	6.13e-03
92	7	1.93e-03	0.74	9.10e-06	0.0	0.0	-3.79	-3.98e-04	-0.19	0.0	0.74	1.93e-03
		1.21e-03	0.39	-1.47e-04	0.0	180.0	-2.69	-3.98e-04	-0.19	0.0	0.39	1.21e-03
92	9	2.00e-03	0.31	9.26e-06	0.0	0.0	-3.79	-4.37e-04	-0.08	0.0	0.31	2.00e-03
		1.21e-03	0.16	-5.27e-05	0.0	180.0	-2.69	-4.37e-04	-0.08	0.0	0.16	1.21e-03
92	10	9.71e-03	0.33	2.54e-05	0.0	0.0	-3.11	-2.31e-03	-0.09	0.0	0.33	9.71e-03
		5.55e-03	0.17	-3.21e-05	0.0	180.0	-2.01	-2.31e-03	-0.09	0.0	0.17	5.55e-03
92	11	1.97e-03	0.50	9.19e-06	0.0	0.0	-3.79	-4.20e-04	-0.13	0.0	0.50	1.97e-03
		1.21e-03	0.26	-9.42e-05	0.0	180.0	-2.69	-4.20e-04	-0.13	0.0	0.26	1.21e-03
92	12	7.37e-03	0.52	2.05e-05	0.0	0.0	-3.31	-1.73e-03	-0.14	0.0	0.52	7.37e-03
		4.25e-03	0.27	-7.76e-05	0.0	180.0	-2.22	-1.73e-03	-0.14	0.0	0.27	4.25e-03
92	13	2.05e-03	0.03	9.37e-06	0.0	0.0	-3.78	-4.63e-04	-7.53e-03	0.0	0.03	2.05e-03
		1.21e-03	0.01	1.47e-05	0.0	180.0	-2.69	-4.63e-04	-7.53e-03	0.0	0.01	1.21e-03

92	14	5.90e-03	0.04	1.75e-05	0.0	0.0	-3.44	-1.40e-03	-0.01	0.0	0.04	5.90e-03
		3.38e-03	0.02	3.12e-05	0.0	180.0	-2.35	-1.40e-03	-0.01	0.0	0.02	3.38e-03
92	15	2.03e-03	0.12	9.33e-06	0.0	0.0	-3.78	-4.55e-04	-0.03	0.0	0.12	2.03e-03
		1.21e-03	0.06	-1.22e-05	0.0	180.0	-2.69	-4.55e-04	-0.03	0.0	0.06	1.21e-03
92	16	4.35e-03	0.13	1.42e-05	0.0	0.0	-3.58	-1.02e-03	-0.03	0.0	0.13	4.35e-03
		2.51e-03	0.07	-7.76e-06	0.0	180.0	-2.48	-1.02e-03	-0.03	0.0	0.07	2.51e-03
92	17	2.05e-03	0.03	9.37e-06	0.0	0.0	-3.78	-4.63e-04	-7.53e-03	0.0	0.03	2.05e-03
		1.21e-03	0.01	1.47e-05	0.0	180.0	-2.69	-4.63e-04	-7.53e-03	0.0	0.01	1.21e-03
92	18	4.36e-03	0.03	1.42e-05	0.0	0.0	-3.58	-1.03e-03	-9.20e-03	0.0	0.03	4.36e-03
		2.52e-03	0.02	2.46e-05	0.0	180.0	-2.48	-1.03e-03	-9.20e-03	0.0	0.02	2.52e-03
92	20	0.13	-0.05	-5.64e-04	0.0	0.0	-27.17	0.14	0.02	0.0	-0.05	-0.31
		-0.31	-0.17	-6.06e-04	0.0	180.0	-26.07	0.14	0.02	0.0	-0.17	0.13
92	21	0.32	0.21	5.92e-04	0.0	0.0	20.01	-0.14	-0.04	0.0	0.11	0.32
		-0.13	0.11	6.55e-04	0.0	180.0	21.11	-0.14	-0.04	0.0	0.21	-0.13
92	28	0.20	-0.03	-5.12e-04	0.0	0.0	-24.66	0.25	8.66e-03	0.0	-0.03	-0.35
		-0.35	-0.17	-4.87e-04	0.0	180.0	-23.56	0.25	8.66e-03	0.0	-0.17	0.20
92	29	0.36	0.21	5.40e-04	0.0	0.0	17.50	-0.25	-0.03	0.0	0.10	0.36
		-0.19	0.10	5.36e-04	0.0	180.0	18.59	-0.25	-0.03	0.0	0.21	-0.19
92	40	0.09	0.20	-1.76e-04	0.0	0.0	-11.10	0.11	-0.28	0.0	0.20	-0.14
		-0.14	-0.37	2.05e-05	0.0	180.0	-10.01	0.11	-0.28	0.0	-0.37	0.09
92	41	0.14	0.40	2.05e-04	0.0	0.0	3.95	-0.11	0.27	0.0	-0.13	0.14
		-0.09	-0.13	3.44e-05	0.0	180.0	5.04	-0.11	0.27	0.0	0.40	-0.09
92	52	0.10	-0.02	-4.25e-04	0.0	0.0	-21.47	0.11	1.49e-03	0.0	-0.02	-0.24
		-0.24	-0.14	-4.45e-04	0.0	180.0	-20.38	0.11	1.49e-03	0.0	-0.14	0.10
92	53	0.25	0.18	4.53e-04	0.0	0.0	14.31	-0.11	-0.02	0.0	0.09	0.25
		-0.10	0.09	4.94e-04	0.0	180.0	15.41	-0.11	-0.02	0.0	0.18	-0.10
92	60	0.17	-6.02e-03	-3.89e-04	0.0	0.0	-19.71	0.20	-5.38e-03	0.0	-6.02e-03	-0.27
		-0.27	-0.14	-3.58e-04	0.0	180.0	-18.61	0.20	-5.38e-03	0.0	-0.14	0.17
92	61	0.28	0.18	4.17e-04	0.0	0.0	12.55	-0.21	-0.01	0.0	0.07	0.28
		-0.16	0.07	4.07e-04	0.0	180.0	13.65	-0.21	-0.01	0.0	0.18	-0.16
92	72	0.08	0.19	-1.35e-04	0.0	0.0	-9.46	0.09	-0.26	0.0	0.19	-0.11
		-0.11	-0.32	4.01e-05	0.0	180.0	-8.36	0.09	-0.26	0.0	-0.32	0.08
92	73	0.12	0.35	1.64e-04	0.0	0.0	2.30	-0.09	0.24	0.0	-0.12	0.12
		-0.08	-0.12	9.62e-06	0.0	180.0	3.39	-0.09	0.24	0.0	0.35	-0.08
92	84	0.09	-0.01	-3.76e-04	0.0	0.0	-19.50	0.10	-5.78e-04	0.0	-0.01	-0.21
		-0.21	-0.12	-3.92e-04	0.0	180.0	-18.40	0.10	-5.78e-04	0.0	-0.12	0.09
92	85	0.22	0.16	4.05e-04	0.0	0.0	12.34	-0.10	-0.02	0.0	0.08	0.22
		-0.09	0.08	4.41e-04	0.0	180.0	13.44	-0.10	-0.02	0.0	0.16	-0.09
92	92	0.15	-9.96e-04	-3.45e-04	0.0	0.0	-17.93	0.18	-6.60e-03	0.0	-9.96e-04	-0.24
		-0.24	-0.13	-3.15e-04	0.0	180.0	-16.83	0.18	-6.60e-03	0.0	-0.13	0.15
92	93	0.25	0.16	3.73e-04	0.0	0.0	10.77	-0.19	-0.01	0.0	0.07	0.25
		-0.15	0.07	3.64e-04	0.0	180.0	11.87	-0.19	-0.01	0.0	0.16	-0.15
92	104	0.07	0.17	-1.19e-04	0.0	0.0	-8.82	0.08	-0.23	0.0	0.17	-0.10
		-0.10	-0.29	4.00e-05	0.0	180.0	-7.72	0.08	-0.23	0.0	-0.29	0.07
92	105	0.11	0.32	1.48e-04	0.0	0.0	1.66	-0.09	0.21	0.0	-0.10	0.11
		-0.07	-0.10	9.22e-06	0.0	180.0	2.76	-0.09	0.21	0.0	0.32	-0.07
92	116	0.15	-0.06	-6.63e-04	0.0	0.0	-31.21	0.16	0.03	0.0	-0.06	-0.37
		-0.37	-0.20	-7.16e-04	0.0	180.0	-30.11	0.16	0.03	0.0	-0.20	0.15
92	117	0.38	0.23	6.91e-04	0.0	0.0	24.05	-0.17	-0.05	0.0	0.13	0.38
		-0.15	0.13	7.66e-04	0.0	180.0	25.15	-0.17	-0.05	0.0	0.23	-0.15
92	124	0.23	-0.04	-5.96e-04	0.0	0.0	-28.03	0.29	0.01	0.0	-0.04	-0.41
		-0.41	-0.20	-5.71e-04	0.0	180.0	-26.94	0.29	0.01	0.0	-0.20	0.23
92	125	0.41	0.23	6.24e-04	0.0	0.0	20.88	-0.29	-0.03	0.0	0.11	0.41
		-0.22	0.11	6.20e-04	0.0	180.0	21.97	-0.29	-0.03	0.0	0.23	-0.22
92	132	0.08	0.22	-2.26e-04	0.0	0.0	-13.24	0.09	-0.32	0.0	0.22	-0.15
		-0.15	-0.42	-3.60e-05	0.0	180.0	-12.14	0.09	-0.32	0.0	-0.42	0.08
92	133	0.15	0.45	2.54e-04	0.0	0.0	6.08	-0.09	0.30	0.0	-0.15	0.15
		-0.08	-0.15	8.53e-05	0.0	180.0	7.17	-0.09	0.30	0.0	0.45	-0.08
93	1	0.02	0.07	3.07e-05	0.0	0.0	-8.63	-5.76e-03	0.20	0.0	-0.30	0.02
		0.01	-0.30	2.83e-05	0.0	180.0	-7.20	-5.76e-03	0.20	0.0	0.07	0.01
93	2	0.07	0.09	9.22e-05	0.0	0.0	-6.43	-0.02	0.35	0.0	-0.54	0.07
		0.04	-0.54	9.49e-05	0.0	180.0	-5.01	-0.02	0.35	0.0	0.09	0.04
93	3	0.02	0.06	2.43e-05	0.0	0.0	-6.63	-4.53e-03	0.18	0.0	-0.26	0.02
		9.14e-03	-0.26	2.05e-05	0.0	180.0	-5.54	-4.53e-03	0.18	0.0	0.06	9.14e-03
93	4	0.06	0.08	8.59e-05	0.0	0.0	-4.44	-0.02	0.33	0.0	-0.50	0.06
		0.03	-0.50	8.71e-05	0.0	180.0	-3.34	-0.02	0.33	0.0	0.08	0.03
93	6	0.06	0.12	7.59e-05	0.0	0.0	-7.08	-0.01	0.37	0.0	-0.56	0.06
		0.03	-0.56	7.14e-05	0.0	180.0	-5.66	-0.01	0.37	0.0	0.12	0.03
93	9	0.02	0.05	2.32e-05	0.0	0.0	-6.64	-4.39e-03	0.14	0.0	-0.21	0.02
		8.87e-03	-0.21	2.23e-05	0.0	180.0	-5.54	-4.39e-03	0.14	0.0	0.05	8.87e-03
93	10	0.05	0.06	6.43e-05	0.0	0.0	-5.18	-0.01	0.24	0.0	-0.38	0.05
		0.03	-0.38	6.67e-05	0.0	180.0	-4.08	-0.01	0.24	0.0	0.06	0.03
93	12	0.04	0.08	5.34e-05	0.0	0.0	-5.61	-0.01	0.26	0.0	-0.39	0.04
		0.02	-0.39	5.10e-05	0.0	180.0	-4.51	-0.01	0.26	0.0	0.08	0.02
93	13	0.02	0.01	2.11e-05	0.0	0.0	-6.65	-4.13e-03	0.08	0.0	-0.13	0.02

		8.34e-03	-0.13	2.58e-05	0.0	180.0	-5.55	-4.13e-03	0.08	0.0	0.01	8.34e-03
93	14	0.03	0.02	4.16e-05	0.0	0.0	-5.92	-8.28e-03	0.13	0.0	-0.21	0.03
		0.02	-0.21	4.80e-05	0.0	180.0	-4.82	-8.28e-03	0.13	0.0	0.02	0.02
93	16	0.03	0.03	3.41e-05	0.0	0.0	-6.21	-6.71e-03	0.13	0.0	-0.20	0.03
		0.01	-0.20	3.80e-05	0.0	180.0	-5.11	-6.71e-03	0.13	0.0	0.03	0.01
93	17	0.02	0.01	2.11e-05	0.0	0.0	-6.65	-4.13e-03	0.08	0.0	-0.13	0.02
		8.34e-03	-0.13	2.58e-05	0.0	180.0	-5.55	-4.13e-03	0.08	0.0	0.01	8.34e-03
93	18	0.03	0.02	3.34e-05	0.0	0.0	-6.21	-6.62e-03	0.11	0.0	-0.17	0.03
		0.01	-0.17	3.91e-05	0.0	180.0	-5.11	-6.62e-03	0.11	0.0	0.02	0.01
93	19	7.99	1.16	-1.79e-04	0.0	0.0	-77.90	-1.86	-1.13	0.0	1.16	7.99
		4.64	-0.87	-4.90e-04	0.0	180.0	-76.80	-1.86	-1.13	0.0	-0.87	4.64
93	22	-4.61	0.90	2.11e-04	0.0	0.0	65.48	1.85	1.34	0.0	-1.51	-7.94
		-7.94	-1.51	5.68e-04	0.0	180.0	66.57	1.85	1.34	0.0	0.90	-4.61
93	23	8.10	1.13	-1.79e-04	0.0	0.0	-77.95	-1.89	-1.10	0.0	1.13	8.10
		4.70	-0.85	-4.94e-04	0.0	180.0	-76.85	-1.89	-1.10	0.0	-0.85	4.70
93	26	-4.67	0.88	2.10e-04	0.0	0.0	65.53	1.88	1.31	0.0	-1.47	-8.05
		-8.05	-1.47	5.72e-04	0.0	180.0	66.63	1.88	1.31	0.0	0.88	-4.67
93	28	8.32	0.59	3.52e-04	0.0	0.0	-60.18	-1.68	-0.62	0.0	0.59	8.32
		5.34	-0.52	-3.81e-04	0.0	180.0	-59.08	-1.68	-0.62	0.0	-0.52	5.34
93	29	-5.31	0.55	-2.85e-04	0.0	0.0	47.76	1.66	0.83	0.0	-0.93	-8.27
		-8.27	-0.93	4.59e-04	0.0	180.0	48.86	1.66	0.83	0.0	0.55	-5.31
93	51	6.51	0.87	1.46e-04	0.0	0.0	-60.75	-1.52	-0.85	0.0	0.87	6.51
		3.77	-0.67	-3.61e-04	0.0	180.0	-59.65	-1.52	-0.85	0.0	-0.67	3.77
93	54	-3.74	0.70	1.36e-04	0.0	0.0	48.33	1.51	1.07	0.0	-1.21	-6.46
		-6.46	-1.21	4.39e-04	0.0	180.0	49.43	1.51	1.07	0.0	0.70	-3.74
93	55	6.60	0.83	1.53e-04	0.0	0.0	-60.81	-1.55	-0.82	0.0	0.83	6.60
		3.82	-0.65	-3.65e-04	0.0	180.0	-59.71	-1.55	-0.82	0.0	-0.65	3.82
93	58	-3.79	0.69	1.35e-04	0.0	0.0	48.39	1.54	1.04	0.0	-1.18	-6.54
		-6.54	-1.18	4.43e-04	0.0	180.0	49.49	1.54	1.04	0.0	0.69	-3.79
93	60	6.75	0.38	3.53e-04	0.0	0.0	-46.93	-1.37	-0.42	0.0	0.38	6.75
		4.32	-0.38	-2.80e-04	0.0	180.0	-45.83	-1.37	-0.42	0.0	-0.38	4.32
93	61	-4.29	0.41	-2.86e-04	0.0	0.0	34.51	1.36	0.63	0.0	-0.72	-6.70
		-6.70	-0.72	3.58e-04	0.0	180.0	35.61	1.36	0.63	0.0	0.41	-4.29
93	83	5.86	0.75	1.45e-04	0.0	0.0	-54.74	-1.37	-0.75	0.0	0.75	5.86
		3.38	-0.60	-3.17e-04	0.0	180.0	-53.64	-1.37	-0.75	0.0	-0.60	3.38
93	86	-3.36	0.63	1.19e-04	0.0	0.0	42.32	1.36	0.96	0.0	-1.10	-5.80
		-5.80	-1.10	3.95e-04	0.0	180.0	43.42	1.36	0.96	0.0	0.63	-3.36
93	87	5.93	0.72	1.51e-04	0.0	0.0	-54.80	-1.39	-0.72	0.0	0.72	5.93
		3.43	-0.58	-3.20e-04	0.0	180.0	-53.70	-1.39	-0.72	0.0	-0.58	3.43
93	90	-3.40	0.61	1.19e-04	0.0	0.0	42.38	1.38	0.94	0.0	-1.07	-5.88
		-5.88	-1.07	3.99e-04	0.0	180.0	43.48	1.38	0.94	0.0	0.61	-3.40
93	92	6.07	0.31	3.28e-04	0.0	0.0	-42.37	-1.23	-0.36	0.0	0.31	6.07
		3.87	-0.33	-2.45e-04	0.0	180.0	-41.28	-1.23	-0.36	0.0	-0.33	3.87
93	93	-3.85	0.36	-2.62e-04	0.0	0.0	29.96	1.22	0.57	0.0	-0.66	-6.02
		-6.02	-0.66	3.23e-04	0.0	180.0	31.05	1.22	0.57	0.0	0.36	-3.85
93	115	9.21	1.38	-2.22e-04	0.0	0.0	-90.12	-2.14	-1.33	0.0	1.38	9.21
		5.35	-1.02	-5.81e-04	0.0	180.0	-89.02	-2.14	-1.33	0.0	-1.02	5.35
93	118	-5.32	1.05	2.54e-04	0.0	0.0	77.70	2.13	1.55	0.0	-1.73	-9.16
		-9.16	-1.73	6.59e-04	0.0	180.0	78.80	2.13	1.55	0.0	1.05	-5.32
93	119	9.33	1.34	-2.21e-04	0.0	0.0	-90.18	-2.18	-1.30	0.0	1.34	9.33
		5.42	-1.00	-5.85e-04	0.0	180.0	-89.08	-2.18	-1.30	0.0	-1.00	5.42
93	122	-5.40	1.03	2.53e-04	0.0	0.0	77.76	2.17	1.51	0.0	-1.69	-9.28
		-9.28	-1.69	6.64e-04	0.0	180.0	78.86	2.17	1.51	0.0	1.03	-5.40
93	124	9.57	0.72	3.86e-04	0.0	0.0	-68.96	-1.92	-0.74	0.0	0.72	9.57
		6.14	-0.61	-4.49e-04	0.0	180.0	-67.87	-1.92	-0.74	0.0	-0.61	6.14
93	125	-6.12	0.65	-3.19e-04	0.0	0.0	56.54	1.91	0.95	0.0	-1.06	-9.52
		-9.52	-1.06	5.27e-04	0.0	180.0	57.64	1.91	0.95	0.0	0.65	-6.12
94	2	0.07	0.37	9.20e-05	0.0	0.0	-16.77	-0.02	0.81	0.0	-1.08	0.07
		0.04	-1.08	-1.11e-04	0.0	180.0	-15.34	-0.02	0.81	0.0	0.37	0.04
94	3	0.02	0.16	2.43e-05	0.0	0.0	-9.27	-4.51e-03	0.31	0.0	-0.41	0.02
		8.88e-03	-0.41	-3.96e-05	0.0	180.0	-8.18	-4.51e-03	0.31	0.0	0.16	8.88e-03
94	9	0.02	0.14	2.32e-05	0.0	0.0	-9.19	-4.38e-03	0.29	0.0	-0.38	0.02
		8.62e-03	-0.38	-3.69e-05	0.0	180.0	-8.09	-4.38e-03	0.29	0.0	0.14	8.62e-03
94	10	0.05	0.26	6.42e-05	0.0	0.0	-12.38	-0.01	0.57	0.0	-0.76	0.05
		0.03	-0.76	-7.80e-05	0.0	180.0	-11.28	-0.01	0.57	0.0	0.26	0.03
94	13	0.02	0.11	2.10e-05	0.0	0.0	-9.01	-4.12e-03	0.23	0.0	-0.31	0.02
		8.10e-03	-0.31	-3.17e-05	0.0	180.0	-7.92	-4.12e-03	0.23	0.0	0.11	8.10e-03
94	14	0.03	0.17	4.15e-05	0.0	0.0	-10.61	-8.31e-03	0.37	0.0	-0.50	0.03
		0.02	-0.50	-5.22e-05	0.0	180.0	-9.51	-8.31e-03	0.37	0.0	0.17	0.02
94	17	0.02	0.11	2.10e-05	0.0	0.0	-9.01	-4.12e-03	0.23	0.0	-0.31	0.02
		8.10e-03	-0.31	-3.17e-05	0.0	180.0	-7.92	-4.12e-03	0.23	0.0	0.11	8.10e-03
94	18	0.02	0.15	3.33e-05	0.0	0.0	-9.97	-6.63e-03	0.32	0.0	-0.43	0.02
		0.01	-0.43	-4.40e-05	0.0	180.0	-8.87	-6.63e-03	0.32	0.0	0.15	0.01
94	20	8.12	0.86	-1.78e-04	0.0	0.0	57.61	-1.90	-0.70	0.0	0.86	8.12
		4.72	-0.40	9.17e-04	0.0	180.0	58.70	-1.90	-0.70	0.0	-0.40	4.72

94	21	-4.69	0.69	2.09e-04	0.0	0.0	-77.55	1.89	1.34	0.0	-1.71	-8.07
		-8.07	-1.71	-1.01e-03	0.0	180.0	-76.45	1.89	1.34	0.0	0.69	-4.69
94	23	8.10	0.95	-1.79e-04	0.0	0.0	53.50	-1.89	-0.77	0.0	0.95	8.10
		4.70	-0.43	8.49e-04	0.0	180.0	54.60	-1.89	-0.77	0.0	-0.43	4.70
94	26	-4.67	0.73	2.10e-04	0.0	0.0	-73.44	1.88	1.40	0.0	-1.80	-8.05
		-8.05	-1.80	-9.37e-04	0.0	180.0	-72.35	1.88	1.40	0.0	0.73	-4.67
94	28	8.32	0.61	3.51e-04	0.0	0.0	45.81	-1.68	-0.50	0.0	0.61	8.32
		5.34	-0.29	7.50e-04	0.0	180.0	46.91	-1.68	-0.50	0.0	-0.29	5.34
94	29	-5.31	0.59	-2.85e-04	0.0	0.0	-65.76	1.66	1.14	0.0	-1.46	-8.27
		-8.27	-1.46	-8.38e-04	0.0	180.0	-64.66	1.66	1.14	0.0	0.59	-5.31
94	52	6.62	0.55	1.55e-04	0.0	0.0	41.40	-1.56	-0.45	0.0	0.55	6.62
		3.83	-0.26	6.88e-04	0.0	180.0	42.50	-1.56	-0.45	0.0	-0.26	3.83
94	53	-3.81	0.56	1.35e-04	0.0	0.0	-61.35	1.54	1.09	0.0	-1.40	-6.57
		-6.57	-1.40	-7.76e-04	0.0	180.0	-60.25	1.54	1.09	0.0	0.56	-3.81
94	55	6.60	0.62	1.53e-04	0.0	0.0	37.72	-1.55	-0.51	0.0	0.62	6.60
		3.82	-0.29	6.26e-04	0.0	180.0	38.81	-1.55	-0.51	0.0	-0.29	3.82
94	58	-3.79	0.59	1.35e-04	0.0	0.0	-57.66	1.54	1.14	0.0	-1.47	-6.55
		-6.55	-1.47	-7.14e-04	0.0	180.0	-56.56	1.54	1.14	0.0	0.59	-3.79
94	60	6.75	0.36	3.53e-04	0.0	0.0	32.80	-1.37	-0.30	0.0	0.36	6.75
		4.32	-0.18	5.66e-04	0.0	180.0	33.90	-1.37	-0.30	0.0	-0.18	4.32
94	61	-4.29	0.48	-2.86e-04	0.0	0.0	-52.75	1.36	0.94	0.0	-1.21	-6.70
		-6.70	-1.21	-6.54e-04	0.0	180.0	-51.65	1.36	0.94	0.0	0.48	-4.29
94	84	5.95	0.44	1.53e-04	0.0	0.0	35.74	-1.40	-0.36	0.0	0.44	5.95
		3.44	-0.22	6.07e-04	0.0	180.0	36.84	-1.40	-0.36	0.0	-0.22	3.44
94	85	-3.42	0.51	1.19e-04	0.0	0.0	-55.69	1.39	1.00	0.0	-1.29	-5.90
		-5.90	-1.29	-6.95e-04	0.0	180.0	-54.59	1.39	1.00	0.0	0.51	-3.42
94	90	-3.40	0.54	1.19e-04	0.0	0.0	-52.35	1.38	1.05	0.0	-1.35	-5.88
		-5.88	-1.35	-6.40e-04	0.0	180.0	-51.26	1.38	1.05	0.0	0.54	-3.40
94	92	6.07	0.28	3.28e-04	0.0	0.0	28.08	-1.23	-0.24	0.0	0.28	6.07
		3.87	-0.15	4.98e-04	0.0	180.0	29.18	-1.23	-0.24	0.0	-0.15	3.87
94	93	-3.85	0.44	-2.62e-04	0.0	0.0	-48.02	1.22	0.87	0.0	-1.13	-6.02
		-6.02	-1.13	-5.86e-04	0.0	180.0	-46.93	1.22	0.87	0.0	0.44	-3.85
94	116	9.37	1.08	-2.21e-04	0.0	0.0	69.14	-2.19	-0.88	0.0	1.08	9.37
		5.44	-0.49	1.08e-03	0.0	180.0	70.24	-2.19	-0.88	0.0	-0.49	5.44
94	117	-5.42	0.79	2.53e-04	0.0	0.0	-89.08	2.18	1.51	0.0	-1.93	-9.32
		-9.32	-1.93	-1.17e-03	0.0	180.0	-87.99	2.18	1.51	0.0	0.79	-5.42
94	119	9.33	1.18	-2.21e-04	0.0	0.0	64.52	-2.18	-0.95	0.0	1.18	9.33
		5.42	-0.53	1.00e-03	0.0	180.0	65.61	-2.18	-0.95	0.0	-0.53	5.42
94	122	-5.40	0.83	2.53e-04	0.0	0.0	-84.46	2.17	1.59	0.0	-2.03	-9.28
		-9.28	-2.03	-1.09e-03	0.0	180.0	-83.36	2.17	1.59	0.0	0.83	-5.40
94	124	9.57	0.78	3.86e-04	0.0	0.0	54.72	-1.92	-0.63	0.0	0.78	9.57
		6.14	-0.36	8.77e-04	0.0	180.0	55.82	-1.92	-0.63	0.0	-0.36	6.14
94	125	-6.12	0.66	-3.19e-04	0.0	0.0	-74.66	1.91	1.27	0.0	-1.63	-9.52
		-9.52	-1.63	-9.65e-04	0.0	180.0	-73.57	1.91	1.27	0.0	0.66	-6.12
121	2	0.10	-0.15	2.75e-06	0.0	0.0	-81.55	-2.53e-03	0.11	0.0	-0.23	0.10
		0.10	-0.23	-1.56e-05	0.0	80.0	-80.92	-2.53e-03	0.11	0.0	-0.15	0.10
121	3	0.03	0.02	0.0	0.0	0.0	-23.33	-1.82e-03	-0.04	0.0	0.02	0.03
		0.03	-0.01	0.0	0.0	80.0	-22.84	-1.82e-03	-0.04	0.0	-0.01	0.03
121	7	0.03	0.07	0.0	0.0	0.0	-21.68	-2.50e-03	-0.08	0.0	0.07	0.03
		0.03	6.94e-03	3.90e-06	0.0	80.0	-21.19	-2.50e-03	-0.08	0.0	6.94e-03	0.03
121	9	0.03	-7.46e-03	0.0	0.0	0.0	-24.15	-1.48e-03	-0.02	0.0	-7.46e-03	0.03
		0.03	-0.02	0.0	0.0	80.0	-23.66	-1.48e-03	-0.02	0.0	-0.02	0.03
121	10	0.07	-0.10	1.92e-06	0.0	0.0	-57.81	-1.79e-03	0.07	0.0	-0.16	0.07
		0.07	-0.16	-1.10e-05	0.0	80.0	-57.32	-1.79e-03	0.07	0.0	-0.10	0.07
121	11	0.03	0.03	0.0	0.0	0.0	-23.05	-1.93e-03	-0.05	0.0	0.03	0.03
		0.03	-0.01	1.18e-06	0.0	80.0	-22.57	-1.93e-03	-0.05	0.0	-0.01	0.03
121	13	0.02	-0.05	0.0	0.0	0.0	-25.80	-7.94e-04	0.02	0.0	-0.06	0.02
		0.02	-0.06	-4.26e-06	0.0	80.0	-25.31	-7.94e-04	0.02	0.0	-0.05	0.02
121	14	0.05	-0.09	1.23e-06	0.0	0.0	-42.63	-9.52e-04	0.07	0.0	-0.14	0.05
		0.05	-0.14	-9.25e-06	0.0	80.0	-42.14	-9.52e-04	0.07	0.0	-0.09	0.05
121	15	0.03	-0.04	0.0	0.0	0.0	-25.25	-1.02e-03	6.30e-03	0.0	-0.04	0.03
		0.02	-0.04	-3.17e-06	0.0	80.0	-24.76	-1.02e-03	6.30e-03	0.0	-0.04	0.02
121	17	0.02	-0.05	0.0	0.0	0.0	-25.80	-7.94e-04	0.02	0.0	-0.06	0.02
		0.02	-0.06	-4.26e-06	0.0	80.0	-25.31	-7.94e-04	0.02	0.0	-0.05	0.02
121	18	0.04	-0.07	0.0	0.0	0.0	-35.90	-8.88e-04	0.05	0.0	-0.11	0.04
		0.04	-0.11	-7.25e-06	0.0	80.0	-35.41	-8.88e-04	0.05	0.0	-0.07	0.04
121	20	-8.55	0.08	-2.90e-04	0.0	0.0	111.60	4.30	1.00	0.0	-0.72	-11.96
		-11.96	-0.72	-3.46e-05	0.0	80.0	112.09	4.30	1.00	0.0	0.08	-8.55
121	21	12.03	0.51	2.92e-04	0.0	0.0	-183.40	-4.30	-0.91	0.0	0.51	12.03
		8.63	-0.22	2.01e-05	0.0	80.0	-182.91	-4.30	-0.91	0.0	-0.22	8.63
121	24	-8.68	0.08	-2.94e-04	0.0	0.0	111.51	4.33	1.00	0.0	-0.72	-12.17
		-12.17	-0.72	-3.47e-05	0.0	80.0	112.00	4.33	1.00	0.0	0.08	-8.68
121	25	12.24	0.51	2.96e-04	0.0	0.0	-183.30	-4.33	-0.91	0.0	0.51	12.24
		8.76	-0.22	2.01e-05	0.0	80.0	-182.82	-4.33	-0.91	0.0	-0.22	8.76
121	27	-9.11	0.04	-3.10e-04	0.0	0.0	70.19	4.68	0.73	0.0	-0.55	-12.81

		-12.81	-0.55	-2.66e-05	0.0	80.0	70.67	4.68	0.73	0.0	0.04	-9.11
121	30	12.89	0.33	3.12e-04	0.0	0.0	-141.98	-4.68	-0.64	0.0	0.33	12.89
		9.18	-0.18	1.21e-05	0.0	80.0	-141.50	-4.68	-0.64	0.0	-0.18	9.18
121	52	-6.81	0.05	-2.31e-04	0.0	0.0	76.78	3.48	0.78	0.0	-0.58	-9.56
		-9.56	-0.58	-2.81e-05	0.0	80.0	77.27	3.48	0.78	0.0	0.05	-6.81
121	53	9.64	0.36	2.33e-04	0.0	0.0	-148.58	-3.48	-0.68	0.0	0.36	9.64
		6.88	-0.19	1.36e-05	0.0	80.0	-148.09	-3.48	-0.68	0.0	-0.19	6.88
121	56	-6.91	0.05	-2.35e-04	0.0	0.0	76.70	3.51	0.78	0.0	-0.58	-9.74
		-9.74	-0.58	-2.82e-05	0.0	80.0	77.19	3.51	0.78	0.0	0.05	-6.91
121	57	9.81	0.36	2.37e-04	0.0	0.0	-148.49	-3.51	-0.68	0.0	0.36	9.81
		6.99	-0.19	1.37e-05	0.0	80.0	-148.01	-3.51	-0.68	0.0	-0.19	6.99
121	59	-7.27	0.01	-2.48e-04	0.0	0.0	43.67	3.80	0.56	0.0	-0.44	-10.27
		-10.27	-0.44	-2.18e-05	0.0	80.0	44.16	3.80	0.56	0.0	0.01	-7.27
121	62	10.35	0.22	2.50e-04	0.0	0.0	-115.47	-3.80	-0.47	0.0	0.22	10.35
		7.34	-0.15	7.25e-06	0.0	80.0	-114.98	-3.80	-0.47	0.0	-0.15	7.34
121	84	-6.10	0.03	-2.07e-04	0.0	0.0	64.41	3.12	0.70	0.0	-0.53	-8.57
		-8.57	-0.53	-2.58e-05	0.0	80.0	64.90	3.12	0.70	0.0	0.03	-6.10
121	85	8.65	0.31	2.09e-04	0.0	0.0	-136.21	-3.13	-0.60	0.0	0.31	8.65
		6.17	-0.17	1.13e-05	0.0	80.0	-135.72	-3.13	-0.60	0.0	-0.17	6.17
121	88	-6.19	0.03	-2.11e-04	0.0	0.0	64.34	3.15	0.70	0.0	-0.53	-8.73
		-8.73	-0.53	-2.59e-05	0.0	80.0	64.83	3.15	0.70	0.0	0.03	-6.19
121	89	8.80	0.31	2.13e-04	0.0	0.0	-136.14	-3.15	-0.60	0.0	0.31	8.80
		6.27	-0.17	1.14e-05	0.0	80.0	-135.65	-3.15	-0.60	0.0	-0.17	6.27
121	91	-6.51	3.77e-03	-2.22e-04	0.0	0.0	34.72	3.41	0.50	0.0	-0.40	-9.20
		-9.20	-0.40	-2.01e-05	0.0	80.0	35.21	3.41	0.50	0.0	3.77e-03	-6.51
121	94	9.28	0.18	2.24e-04	0.0	0.0	-106.52	-3.41	-0.41	0.0	0.18	9.28
		6.58	-0.14	5.62e-06	0.0	80.0	-106.03	-3.41	-0.41	0.0	-0.14	6.58
121	116	-9.92	0.11	-3.35e-04	0.0	0.0	136.60	4.97	1.17	0.0	-0.83	-13.85
		-13.85	-0.83	-3.92e-05	0.0	80.0	137.09	4.97	1.17	0.0	0.11	-9.92
121	117	13.93	0.61	3.37e-04	0.0	0.0	-208.40	-4.97	-1.07	0.0	0.61	13.93
		9.99	-0.25	2.47e-05	0.0	80.0	-207.91	-4.97	-1.07	0.0	-0.25	9.99
121	120	-10.07	0.11	-3.41e-04	0.0	0.0	136.51	5.00	1.17	0.0	-0.83	-14.09
		-14.09	-0.83	-3.93e-05	0.0	80.0	136.99	5.00	1.17	0.0	0.11	-10.07
121	121	14.17	0.61	3.43e-04	0.0	0.0	-208.30	-5.01	-1.07	0.0	0.61	14.17
		10.14	-0.25	2.48e-05	0.0	80.0	-207.81	-5.01	-1.07	0.0	-0.25	10.14
121	123	-10.51	0.06	-3.57e-04	0.0	0.0	87.58	5.39	0.85	0.0	-0.62	-14.77
		-14.77	-0.62	-2.98e-05	0.0	80.0	88.07	5.39	0.85	0.0	0.06	-10.51
121	126	14.84	0.40	3.59e-04	0.0	0.0	-159.38	-5.39	-0.75	0.0	0.40	14.84
		10.58	-0.20	1.53e-05	0.0	80.0	-158.89	-5.39	-0.75	0.0	-0.20	10.58
122	2	-0.61	0.18	-2.95e-05	0.0	0.0	-64.24	0.92	-0.10	-1.93e-05	0.18	-1.35
		-1.35	0.10	1.17e-05	0.0	80.0	-63.61	0.92	-0.10	-1.93e-05	0.10	-0.61
122	3	-0.14	0.08	-6.96e-06	0.0	0.0	-23.12	0.22	-0.04	-2.72e-06	0.08	-0.32
		-0.32	0.05	5.15e-06	0.0	80.0	-22.63	0.22	-0.04	-2.72e-06	0.05	-0.14
122	7	-0.13	0.10	-6.65e-06	0.0	0.0	-24.26	0.22	-0.05	0.0	0.10	-0.31
		-0.31	0.06	6.32e-06	0.0	80.0	-23.77	0.22	-0.05	0.0	0.06	-0.13
122	9	-0.15	0.07	-7.11e-06	0.0	0.0	-22.55	0.23	-0.04	-4.02e-06	0.07	-0.33
		-0.33	0.04	4.57e-06	0.0	80.0	-22.06	0.23	-0.04	-4.02e-06	0.04	-0.15
122	10	-0.43	0.13	-2.07e-05	0.0	0.0	-45.68	0.65	-0.07	-1.37e-05	0.13	-0.94
		-0.94	0.07	8.25e-06	0.0	80.0	-45.20	0.65	-0.07	-1.37e-05	0.07	-0.43
122	11	-0.14	0.08	-6.91e-06	0.0	0.0	-23.31	0.22	-0.04	-2.29e-06	0.08	-0.32
		-0.32	0.05	5.35e-06	0.0	80.0	-22.82	0.22	-0.04	-2.29e-06	0.05	-0.14
122	13	-0.16	0.05	-7.42e-06	0.0	0.0	-21.41	0.23	-0.03	-6.62e-06	0.05	-0.34
		-0.34	0.03	3.41e-06	0.0	80.0	-20.93	0.23	-0.03	-6.62e-06	0.03	-0.16
122	14	-0.30	0.08	-1.42e-05	0.0	0.0	-32.98	0.44	-0.05	-1.15e-05	0.08	-0.65
		-0.65	0.04	5.25e-06	0.0	80.0	-32.49	0.44	-0.05	-1.15e-05	0.04	-0.30
122	15	-0.15	0.06	-7.32e-06	0.0	0.0	-21.79	0.23	-0.03	-5.75e-06	0.06	-0.33
		-0.33	0.03	3.79e-06	0.0	80.0	-21.31	0.23	-0.03	-5.75e-06	0.03	-0.15
122	17	-0.16	0.05	-7.42e-06	0.0	0.0	-21.41	0.23	-0.03	-6.62e-06	0.05	-0.34
		-0.34	0.03	3.41e-06	0.0	80.0	-20.93	0.23	-0.03	-6.62e-06	0.03	-0.16
122	18	-0.24	0.07	-1.15e-05	0.0	0.0	-28.35	0.35	-0.04	-9.53e-06	0.07	-0.52
		-0.52	0.04	4.51e-06	0.0	80.0	-27.87	0.35	-0.04	-9.53e-06	0.04	-0.24
122	24	-19.43	1.01	-6.39e-04	0.0	0.0	-178.40	8.35	-0.30	0.19	1.01	-26.10
		-26.10	0.77	7.07e-05	0.0	80.0	-177.91	8.35	-0.30	0.19	0.77	-19.43
122	25	25.05	-0.70	6.16e-04	0.0	0.0	121.70	-7.64	0.22	-0.19	-0.87	25.05
		18.94	-0.87	-6.17e-05	0.0	80.0	122.18	-7.64	0.22	-0.19	-0.70	18.94
122	27	-19.64	0.70	-6.51e-04	0.0	0.0	-135.29	8.79	-0.21	-0.12	0.70	-26.66
		-26.66	0.54	4.91e-05	0.0	80.0	-134.81	8.79	-0.21	-0.12	0.54	-19.64
122	30	25.62	-0.46	6.28e-04	0.0	0.0	78.59	-8.08	0.12	0.12	-0.56	25.62
		19.16	-0.56	-4.00e-05	0.0	80.0	79.07	-8.08	0.12	0.12	-0.46	19.16
122	56	-14.74	0.79	-4.86e-04	0.0	0.0	-143.07	6.40	-0.24	0.11	0.79	-19.85
		-19.85	0.60	5.54e-05	0.0	80.0	-142.58	6.40	-0.24	0.11	0.60	-14.74
122	57	18.81	-0.53	4.63e-04	0.0	0.0	86.36	-5.69	0.16	-0.11	-0.65	18.81
		14.26	-0.65	-4.63e-05	0.0	80.0	86.85	-5.69	0.16	-0.11	-0.53	14.26
122	59	-15.01	0.54	-4.98e-04	0.0	0.0	-108.49	6.78	-0.16	-0.07	0.54	-20.43
		-20.43	0.41	3.77e-05	0.0	80.0	-108.00	6.78	-0.16	-0.07	0.41	-15.01

122	62	19.38	-0.33	4.75e-04	0.0	0.0	51.78	-6.07	0.08	0.07	-0.40	19.38
		14.53	-0.40	-2.87e-05	0.0	80.0	52.27	-6.07	0.08	0.07	-0.33	14.53
122	88	-13.13	0.71	-4.33e-04	0.0	0.0	-130.49	5.73	-0.22	0.10	0.71	-17.72
		-17.72	0.54	4.98e-05	0.0	80.0	-130.01	5.73	-0.22	0.10	0.54	-13.13
122	89	16.67	-0.46	4.10e-04	0.0	0.0	73.79	-5.02	0.14	-0.10	-0.57	16.67
		12.65	-0.57	-4.08e-05	0.0	80.0	74.28	-5.02	0.14	-0.10	-0.46	12.65
122	91	-13.37	0.49	-4.44e-04	0.0	0.0	-99.47	6.07	-0.15	-0.06	0.49	-18.22
		-18.22	0.37	3.39e-05	0.0	80.0	-98.98	6.07	-0.15	-0.06	0.37	-13.37
122	94	17.17	-0.29	4.21e-04	0.0	0.0	42.76	-5.36	0.07	0.06	-0.35	17.17
		12.89	-0.35	-2.49e-05	0.0	80.0	43.25	-5.36	0.07	0.06	-0.29	12.89
122	120	-22.73	1.17	-7.47e-04	0.0	0.0	-203.81	9.72	-0.34	0.24	1.17	-30.50
		-30.50	0.89	8.18e-05	0.0	80.0	-203.33	9.72	-0.34	0.24	0.89	-22.73
122	121	29.46	-0.82	7.24e-04	0.0	0.0	147.11	-9.02	0.26	-0.24	-1.03	29.46
		22.25	-1.03	-7.28e-05	0.0	80.0	147.59	-9.02	0.26	-0.24	-0.82	22.25
122	123	-22.76	0.80	-7.54e-04	0.0	0.0	-152.85	10.14	-0.23	-0.15	0.80	-30.87
		-30.87	0.62	5.64e-05	0.0	80.0	-152.36	10.14	-0.23	-0.15	0.62	-22.76
122	126	29.83	-0.54	7.31e-04	0.0	0.0	96.14	-9.44	0.15	0.15	-0.66	29.83
		22.28	-0.66	-4.74e-05	0.0	80.0	96.63	-9.44	0.15	0.15	-0.54	22.28
123	2	0.10	0.43	2.76e-06	0.0	0.0	-58.62	-2.70e-03	-0.36	0.0	0.43	0.10
		0.10	0.14	2.52e-05	0.0	80.0	-57.98	-2.70e-03	-0.36	0.0	0.14	0.10
123	3	0.03	0.34	0.0	0.0	0.0	-18.77	-1.89e-03	-0.28	0.0	0.34	0.03
		0.03	0.12	2.05e-05	0.0	80.0	-18.28	-1.89e-03	-0.28	0.0	0.12	0.03
123	6	0.09	0.57	2.33e-06	0.0	0.0	-47.56	-3.22e-03	-0.47	0.0	0.57	0.09
		0.09	0.20	3.40e-05	0.0	80.0	-46.93	-3.22e-03	-0.47	0.0	0.20	0.09
123	7	0.03	0.50	0.0	0.0	0.0	-17.85	-2.58e-03	-0.40	0.0	0.50	0.03
		0.03	0.18	3.02e-05	0.0	80.0	-17.36	-2.58e-03	-0.40	0.0	0.18	0.03
123	9	0.03	0.26	0.0	0.0	0.0	-19.22	-1.54e-03	-0.22	0.0	0.26	0.03
		0.03	0.09	1.56e-05	0.0	80.0	-18.74	-1.54e-03	-0.22	0.0	0.09	0.03
123	10	0.07	0.30	1.92e-06	0.0	0.0	-41.76	-1.91e-03	-0.25	0.0	0.30	0.07
		0.07	0.10	1.76e-05	0.0	80.0	-41.28	-1.91e-03	-0.25	0.0	0.10	0.07
123	11	0.03	0.37	0.0	0.0	0.0	-18.61	-2.00e-03	-0.30	0.0	0.37	0.03
		0.03	0.13	2.21e-05	0.0	80.0	-18.13	-2.00e-03	-0.30	0.0	0.13	0.03
123	12	0.06	0.39	1.64e-06	0.0	0.0	-34.39	-2.26e-03	-0.32	0.0	0.39	0.06
		0.06	0.14	2.35e-05	0.0	80.0	-33.90	-2.26e-03	-0.32	0.0	0.14	0.06
123	13	0.02	0.10	0.0	0.0	0.0	-20.14	-8.49e-04	-0.10	0.0	0.10	0.02
		0.02	0.03	5.91e-06	0.0	80.0	-19.65	-8.49e-04	-0.10	0.0	0.03	0.02
123	14	0.05	0.12	1.23e-06	0.0	0.0	-31.41	-1.03e-03	-0.11	0.0	0.12	0.05
		0.05	0.03	6.89e-06	0.0	80.0	-30.92	-1.03e-03	-0.11	0.0	0.03	0.05
123	15	0.03	0.16	0.0	0.0	0.0	-19.83	-1.08e-03	-0.14	0.0	0.16	0.03
		0.02	0.05	9.15e-06	0.0	80.0	-19.35	-1.08e-03	-0.14	0.0	0.05	0.02
123	16	0.04	0.17	1.03e-06	0.0	0.0	-26.59	-1.19e-03	-0.15	0.0	0.17	0.04
		0.04	0.05	9.74e-06	0.0	80.0	-26.11	-1.19e-03	-0.15	0.0	0.05	0.04
123	17	0.02	0.10	0.0	0.0	0.0	-20.14	-8.49e-04	-0.10	0.0	0.10	0.02
		0.02	0.03	5.91e-06	0.0	80.0	-19.65	-8.49e-04	-0.10	0.0	0.03	0.02
123	18	0.04	0.11	0.0	0.0	0.0	-26.90	-9.61e-04	-0.11	0.0	0.11	0.04
		0.04	0.03	6.50e-06	0.0	80.0	-26.41	-9.61e-04	-0.11	0.0	0.03	0.04
123	19	-8.72	-1.09	-2.96e-04	0.0	0.0	-177.52	4.44	1.17	0.0	-2.03	-12.23
		-12.23	-2.03	-1.31e-04	0.0	80.0	-177.03	4.44	1.17	0.0	-1.09	-8.72
123	22	12.30	2.26	2.98e-04	0.0	0.0	123.72	-4.44	-1.39	0.0	2.26	12.30
		8.79	1.15	1.44e-04	0.0	80.0	124.20	-4.44	-1.39	0.0	1.15	8.79
123	27	-9.11	-0.91	-3.10e-04	0.0	0.0	-152.38	4.68	0.97	0.0	-1.69	-12.81
		-12.81	-1.69	-1.09e-04	0.0	80.0	-151.89	4.68	0.97	0.0	-0.91	-9.11
123	30	12.89	1.92	3.12e-04	0.0	0.0	98.58	-4.68	-1.19	0.0	1.92	12.89
		9.18	0.97	1.22e-04	0.0	80.0	99.07	-4.68	-1.19	0.0	0.97	9.18
123	51	-6.94	-0.83	-2.36e-04	0.0	0.0	-142.00	3.60	0.88	0.0	-1.54	-9.79
		-9.79	-1.54	-9.91e-05	0.0	80.0	-141.51	3.60	0.88	0.0	-0.83	-6.94
123	54	9.86	1.77	2.38e-04	0.0	0.0	88.20	-3.60	-1.10	0.0	1.77	9.86
		7.02	0.89	1.12e-04	0.0	80.0	88.68	-3.60	-1.10	0.0	0.89	7.02
123	59	-7.27	-0.70	-2.48e-04	0.0	0.0	-123.68	3.80	0.73	0.0	-1.29	-10.27
		-10.27	-1.29	-8.32e-05	0.0	80.0	-123.19	3.80	0.73	0.0	-0.70	-7.27
123	62	10.35	1.52	2.50e-04	0.0	0.0	69.88	-3.80	-0.95	0.0	1.52	10.35
		7.35	0.76	9.62e-05	0.0	80.0	70.37	-3.80	-0.95	0.0	0.76	7.35
123	83	-6.22	-0.74	-2.12e-04	0.0	0.0	-129.36	3.23	0.77	0.0	-1.36	-8.77
		-8.77	-1.36	-8.76e-05	0.0	80.0	-128.88	3.23	0.77	0.0	-0.74	-6.22
123	86	8.85	1.59	2.14e-04	0.0	0.0	75.56	-3.24	-0.99	0.0	1.59	8.85
		6.29	0.79	1.01e-04	0.0	80.0	76.05	-3.24	-0.99	0.0	0.79	6.29
123	91	-6.51	-0.62	-2.22e-04	0.0	0.0	-113.05	3.41	0.64	0.0	-1.14	-9.20
		-9.20	-1.14	-7.34e-05	0.0	80.0	-112.56	3.41	0.64	0.0	-0.62	-6.51
123	94	9.28	1.36	2.24e-04	0.0	0.0	59.25	-3.41	-0.86	0.0	1.36	9.28
		6.58	0.68	8.64e-05	0.0	80.0	59.74	-3.41	-0.86	0.0	0.68	6.58
123	115	-10.11	-1.28	-3.43e-04	0.0	0.0	-203.04	5.13	1.39	0.0	-2.39	-14.16
		-14.16	-2.39	-1.54e-04	0.0	80.0	-202.55	5.13	1.39	0.0	-1.28	-10.11
123	118	14.24	2.62	3.45e-04	0.0	0.0	149.24	-5.13	-1.60	0.0	2.62	14.24
		10.18	1.34	1.67e-04	0.0	80.0	149.72	-5.13	-1.60	0.0	1.34	10.18
123	123	-10.51	-1.06	-3.57e-04	0.0	0.0	-172.26	5.39	1.14	0.0	-1.97	-14.77

		-14.77	-1.97	-1.27e-04	0.0	80.0	-171.77	5.39	1.14	0.0	-1.06	-10.51
123	126	14.84	2.20	3.59e-04	0.0	0.0	118.46	-5.39	-1.36	0.0	2.20	14.84
		10.58	1.12	1.40e-04	0.0	80.0	118.95	-5.39	-1.36	0.0	1.12	10.58
124	2	0.10	0.04	2.59e-05	0.0	0.0	-80.92	-2.53e-03	0.11	0.0	-0.15	0.10
		0.10	-0.15	-9.78e-05	0.0	180.0	-79.49	-2.53e-03	0.11	0.0	0.04	0.10
124	3	0.03	-0.01	7.27e-06	0.0	0.0	-22.84	-1.82e-03	-0.04	0.0	-0.01	0.03
		0.03	-0.09	-1.41e-05	0.0	180.0	-21.74	-1.82e-03	-0.04	0.0	-0.09	0.03
124	4	0.09	0.05	2.41e-05	0.0	0.0	-73.32	-2.29e-03	0.10	0.0	-0.13	0.09
		0.09	-0.13	-8.85e-05	0.0	180.0	-72.23	-2.29e-03	0.10	0.0	0.05	0.09
124	7	0.03	6.94e-03	8.12e-06	0.0	0.0	-21.19	-2.50e-03	-0.08	0.0	6.94e-03	0.03
		0.03	-0.14	5.14e-06	0.0	180.0	-20.10	-2.50e-03	-0.08	0.0	-0.14	0.03
124	9	0.03	-0.02	6.84e-06	0.0	0.0	-23.66	-1.48e-03	-0.02	0.0	-0.02	0.03
		0.02	-0.06	-1.97e-05	0.0	180.0	-22.57	-1.48e-03	-0.02	0.0	-0.06	0.02
124	10	0.07	0.03	1.81e-05	0.0	0.0	-57.32	-1.79e-03	0.07	0.0	-0.10	0.07
		0.07	-0.10	-6.94e-05	0.0	180.0	-56.22	-1.79e-03	0.07	0.0	0.03	0.07
124	11	0.03	-0.01	7.41e-06	0.0	0.0	-22.57	-1.93e-03	-0.05	0.0	-0.01	0.03
		0.03	-0.10	-1.22e-05	0.0	180.0	-21.47	-1.93e-03	-0.05	0.0	-0.10	0.03
124	13	0.02	-9.23e-03	5.99e-06	0.0	0.0	-25.31	-7.94e-04	0.02	0.0	-0.05	0.02
		0.02	-0.05	-3.11e-05	0.0	180.0	-24.22	-7.94e-04	0.02	0.0	-9.23e-03	0.02
124	14	0.05	0.04	1.16e-05	0.0	0.0	-42.14	-9.52e-04	0.07	0.0	-0.09	0.05
		0.04	-0.09	-5.59e-05	0.0	180.0	-41.04	-9.52e-04	0.07	0.0	0.04	0.04
124	15	0.02	-0.03	6.27e-06	0.0	0.0	-24.76	-1.02e-03	6.30e-03	0.0	-0.04	0.02
		0.02	-0.04	-2.73e-05	0.0	180.0	-23.67	-1.02e-03	6.30e-03	0.0	-0.03	0.02
124	17	0.02	-9.23e-03	5.99e-06	0.0	0.0	-25.31	-7.94e-04	0.02	0.0	-0.05	0.02
		0.02	-0.05	-3.11e-05	0.0	180.0	-24.22	-7.94e-04	0.02	0.0	-9.23e-03	0.02
124	18	0.04	0.02	9.36e-06	0.0	0.0	-35.41	-8.88e-04	0.05	0.0	-0.07	0.04
		0.04	-0.07	-4.60e-05	0.0	180.0	-34.31	-8.88e-04	0.05	0.0	0.02	0.04
124	20	1.78	1.89	-2.05e-03	0.0	0.0	112.09	4.30	1.00	0.0	0.08	-8.55
		-8.55	0.08	1.54e-04	0.0	180.0	113.18	4.30	1.00	0.0	1.89	1.78
124	21	8.63	-0.22	2.07e-03	0.0	0.0	-182.91	-4.30	-0.91	0.0	-0.22	8.63
		-1.71	-1.85	-2.46e-04	0.0	180.0	-181.81	-4.30	-0.91	0.0	-1.85	-1.71
124	24	1.68	1.89	-2.08e-03	0.0	0.0	112.00	4.33	1.00	0.0	0.08	-8.68
		-8.68	0.08	1.55e-04	0.0	180.0	113.09	4.33	1.00	0.0	1.89	1.68
124	25	8.76	-0.22	2.10e-03	0.0	0.0	-182.82	-4.33	-0.91	0.0	-0.22	8.76
		-1.61	-1.85	-2.47e-04	0.0	180.0	-181.72	-4.33	-0.91	0.0	-1.85	-1.61
124	27	1.69	1.36	-2.18e-03	0.0	0.0	70.67	4.68	0.73	0.0	0.04	-9.11
		-9.11	0.04	9.85e-05	0.0	180.0	71.77	4.68	0.73	0.0	1.36	1.69
124	30	9.18	-0.18	2.20e-03	0.0	0.0	-141.50	-4.68	-0.64	0.0	-0.18	9.18
		-1.62	-1.33	-1.90e-04	0.0	180.0	-140.40	-4.68	-0.64	0.0	-1.33	-1.62
124	52	1.39	1.45	-1.63e-03	0.0	0.0	77.27	3.48	0.78	0.0	0.05	-6.81
		-6.81	0.05	1.07e-04	0.0	180.0	78.37	3.48	0.78	0.0	1.45	1.39
124	53	6.88	-0.19	1.65e-03	0.0	0.0	-148.09	-3.48	-0.68	0.0	-0.19	6.88
		-1.32	-1.41	-1.99e-04	0.0	180.0	-147.00	-3.48	-0.68	0.0	-1.41	-1.32
124	56	1.30	1.45	-1.65e-03	0.0	0.0	77.19	3.51	0.78	0.0	0.05	-6.91
		-6.91	0.05	1.07e-04	0.0	180.0	78.28	3.51	0.78	0.0	1.45	1.30
124	57	6.99	-0.19	1.67e-03	0.0	0.0	-148.01	-3.51	-0.68	0.0	-0.19	6.99
		-1.23	-1.41	-1.99e-04	0.0	180.0	-146.91	-3.51	-0.68	0.0	-1.41	-1.23
124	59	1.35	1.03	-1.74e-03	0.0	0.0	44.16	3.80	0.56	0.0	0.01	-7.27
		-7.27	0.01	6.25e-05	0.0	180.0	45.25	3.80	0.56	0.0	1.03	1.35
124	62	7.34	-0.15	1.76e-03	0.0	0.0	-114.98	-3.80	-0.47	0.0	-0.15	7.34
		-1.28	-0.99	-1.54e-04	0.0	180.0	-113.88	-3.80	-0.47	0.0	-0.99	-1.28
124	84	1.25	1.29	-1.46e-03	0.0	0.0	64.90	3.12	0.70	0.0	0.03	-6.10
		-6.10	0.03	9.01e-05	0.0	180.0	66.00	3.12	0.70	0.0	1.29	1.25
124	85	6.17	-0.17	1.48e-03	0.0	0.0	-135.72	-3.13	-0.60	0.0	-0.17	6.17
		-1.18	-1.25	-1.82e-04	0.0	180.0	-134.63	-3.13	-0.60	0.0	-1.25	-1.18
124	88	1.17	1.29	-1.48e-03	0.0	0.0	64.83	3.15	0.70	0.0	0.03	-6.19
		-6.19	0.03	9.05e-05	0.0	180.0	65.93	3.15	0.70	0.0	1.29	1.17
124	89	6.27	-0.17	1.50e-03	0.0	0.0	-135.65	-3.15	-0.60	0.0	-0.17	6.27
		-1.10	-1.25	-1.82e-04	0.0	180.0	-134.56	-3.15	-0.60	0.0	-1.25	-1.10
124	91	1.22	0.91	-1.55e-03	0.0	0.0	35.21	3.41	0.50	0.0	3.77e-03	-6.51
		-6.51	3.77e-03	5.03e-05	0.0	180.0	36.31	3.41	0.50	0.0	0.91	1.22
124	94	6.58	-0.14	1.57e-03	0.0	0.0	-106.03	-3.41	-0.41	0.0	-0.14	6.58
		-1.15	-0.88	-1.42e-04	0.0	180.0	-104.94	-3.41	-0.41	0.0	-0.88	-1.15
124	116	2.08	2.21	-2.38e-03	0.0	0.0	137.09	4.97	1.17	0.0	0.11	-9.92
		-9.92	0.11	1.88e-04	0.0	180.0	138.18	4.97	1.17	0.0	2.21	2.08
124	117	9.99	-0.25	2.39e-03	0.0	0.0	-207.91	-4.97	-1.07	0.0	-0.25	9.99
		-2.01	-2.17	-2.80e-04	0.0	180.0	-206.81	-4.97	-1.07	0.0	-2.17	-2.01
124	120	1.96	2.21	-2.41e-03	0.0	0.0	136.99	5.00	1.17	0.0	0.11	-10.07
		-10.07	0.11	1.89e-04	0.0	180.0	138.09	5.00	1.17	0.0	2.21	1.96
124	121	10.14	-0.25	2.43e-03	0.0	0.0	-207.81	-5.01	-1.07	0.0	-0.25	10.14
		-1.89	-2.17	-2.81e-04	0.0	180.0	-206.72	-5.01	-1.07	0.0	-2.17	-1.89
124	123	1.95	1.58	-2.51e-03	0.0	0.0	88.07	5.39	0.85	0.0	0.06	-10.51
		-10.51	0.06	1.22e-04	0.0	180.0	89.17	5.39	0.85	0.0	1.58	1.95
124	126	10.58	-0.20	2.53e-03	0.0	0.0	-158.89	-5.39	-0.75	0.0	-0.20	10.58
		-1.88	-1.55	-2.14e-04	0.0	180.0	-157.79	-5.39	-0.75	0.0	-1.55	-1.88

125	2	0.08	0.90	7.42e-05	0.0	0.0	-37.97	-7.57e-03	-0.66	0.0	0.90	0.08
		0.07	-0.29	1.81e-04	0.0	180.0	-36.55	-7.57e-03	-0.66	0.0	-0.29	0.07
125	3	0.02	0.46	1.98e-05	0.0	0.0	-14.28	-2.21e-03	-0.38	0.0	0.46	0.02
		0.02	-0.22	7.63e-05	0.0	180.0	-13.19	-2.21e-03	-0.38	0.0	-0.22	0.02
125	6	0.07	0.93	6.14e-05	0.0	0.0	-32.49	-6.44e-03	-0.72	0.0	0.93	0.07
		0.06	-0.37	1.74e-04	0.0	180.0	-31.06	-6.44e-03	-0.72	0.0	-0.37	0.06
125	9	0.02	0.39	1.89e-05	0.0	0.0	-14.09	-2.05e-03	-0.31	0.0	0.39	0.02
		0.02	-0.17	6.58e-05	0.0	180.0	-12.99	-2.05e-03	-0.31	0.0	-0.17	0.02
125	10	0.06	0.63	5.18e-05	0.0	0.0	-27.14	-5.28e-03	-0.46	0.0	0.63	0.06
		0.05	-0.20	1.26e-04	0.0	180.0	-26.04	-5.28e-03	-0.46	0.0	-0.20	0.05
125	12	0.05	0.65	4.32e-05	0.0	0.0	-23.48	-4.52e-03	-0.51	0.0	0.65	0.05
		0.04	-0.26	1.22e-04	0.0	180.0	-22.39	-4.52e-03	-0.51	0.0	-0.26	0.04
125	13	0.02	0.25	1.70e-05	0.0	0.0	-13.70	-1.73e-03	-0.19	0.0	0.25	0.02
		0.02	-0.08	4.49e-05	0.0	180.0	-12.61	-1.73e-03	-0.19	0.0	-0.08	0.02
125	14	0.04	0.37	3.34e-05	0.0	0.0	-20.23	-3.34e-03	-0.26	0.0	0.37	0.04
		0.03	-0.10	7.51e-05	0.0	180.0	-19.13	-3.34e-03	-0.26	0.0	-0.10	0.03
125	16	0.03	0.37	2.75e-05	0.0	0.0	-17.75	-2.80e-03	-0.27	0.0	0.37	0.03
		0.03	-0.12	7.00e-05	0.0	180.0	-16.65	-2.80e-03	-0.27	0.0	-0.12	0.03
125	17	0.02	0.25	1.70e-05	0.0	0.0	-13.70	-1.73e-03	-0.19	0.0	0.25	0.02
		0.02	-0.08	4.49e-05	0.0	180.0	-12.61	-1.73e-03	-0.19	0.0	-0.08	0.02
125	18	0.03	0.32	2.68e-05	0.0	0.0	-17.62	-2.70e-03	-0.23	0.0	0.32	0.03
		0.03	-0.09	6.30e-05	0.0	180.0	-16.52	-2.70e-03	-0.23	0.0	-0.09	0.03
125	22	-4.05	1.90	1.57e-03	0.0	0.0	53.49	-2.29	-1.94	0.0	1.90	-4.05
		-7.94	-1.59	1.00e-03	0.0	180.0	54.59	-2.29	-1.94	0.0	-1.59	-7.94
125	23	8.10	1.37	-1.50e-03	0.0	0.0	-88.92	2.23	1.44	0.0	-1.22	4.20
		4.20	-1.22	-8.68e-04	0.0	180.0	-87.82	2.23	1.44	0.0	1.37	8.10
125	26	-4.14	1.87	1.56e-03	0.0	0.0	53.68	-2.24	-1.90	0.0	1.87	-4.14
		-8.05	-1.55	9.94e-04	0.0	180.0	54.78	-2.24	-1.90	0.0	-1.55	-8.05
125	28	8.32	0.77	-1.41e-03	0.0	0.0	-71.85	2.06	0.79	0.0	-0.65	4.79
		4.79	-0.65	-5.80e-04	0.0	180.0	-70.75	2.06	0.79	0.0	0.77	8.32
125	29	-4.73	1.30	1.47e-03	0.0	0.0	36.61	-2.06	-1.25	0.0	1.30	-4.73
		-8.27	-0.95	7.06e-04	0.0	180.0	37.71	-2.06	-1.25	0.0	-0.95	-8.27
125	54	-3.33	1.55	1.20e-03	0.0	0.0	36.41	-1.83	-1.56	0.0	1.55	-3.33
		-6.46	-1.25	7.84e-04	0.0	180.0	37.51	-1.83	-1.56	0.0	-1.25	-6.46
125	55	6.60	1.04	-1.13e-03	0.0	0.0	-71.84	1.79	1.06	0.0	-0.87	3.47
		3.47	-0.87	-6.50e-04	0.0	180.0	-70.75	1.79	1.06	0.0	1.04	6.60
125	58	-3.41	1.52	1.19e-03	0.0	0.0	36.61	-1.79	-1.52	0.0	1.52	-3.41
		-6.54	-1.22	7.76e-04	0.0	180.0	37.70	-1.79	-1.52	0.0	-1.22	-6.54
125	60	6.75	0.54	-1.08e-03	0.0	0.0	-58.61	1.65	0.51	0.0	-0.39	3.94
		3.94	-0.39	-4.16e-04	0.0	180.0	-57.51	1.65	0.51	0.0	0.54	6.75
125	61	-3.88	1.04	1.13e-03	0.0	0.0	23.37	-1.66	-0.97	0.0	1.04	-3.88
		-6.70	-0.72	5.42e-04	0.0	180.0	24.46	-1.66	-0.97	0.0	-0.72	-6.70
125	86	-3.00	1.41	1.07e-03	0.0	0.0	30.46	-1.64	-1.41	0.0	1.41	-3.00
		-5.80	-1.13	7.05e-04	0.0	180.0	31.55	-1.64	-1.41	0.0	-1.13	-5.80
125	87	5.93	0.92	-1.01e-03	0.0	0.0	-65.87	1.60	0.92	0.0	-0.74	3.13
		3.13	-0.74	-5.72e-04	0.0	180.0	-64.78	1.60	0.92	0.0	0.92	5.93
125	90	-3.07	1.39	1.06e-03	0.0	0.0	30.64	-1.61	-1.38	0.0	1.39	-3.07
		-5.88	-1.09	6.98e-04	0.0	180.0	31.73	-1.61	-1.38	0.0	-1.09	-5.88
125	92	6.07	0.46	-9.57e-04	0.0	0.0	-54.03	1.48	0.43	0.0	-0.31	3.55
		3.55	-0.31	-3.62e-04	0.0	180.0	-52.93	1.48	0.43	0.0	0.46	6.07
125	93	-3.49	0.96	1.01e-03	0.0	0.0	18.79	-1.48	-0.89	0.0	0.96	-3.49
		-6.02	-0.64	4.88e-04	0.0	180.0	19.89	-1.48	-0.89	0.0	-0.64	-6.02
125	118	-4.66	2.17	1.84e-03	0.0	0.0	65.64	-2.65	-2.22	0.0	2.17	-4.66
		-9.16	-1.84	1.16e-03	0.0	180.0	66.73	-2.65	-2.22	0.0	-1.84	-9.16
125	119	9.33	1.61	-1.76e-03	0.0	0.0	-101.09	2.59	1.72	0.0	-1.48	4.82
		4.82	-1.48	-1.03e-03	0.0	180.0	-99.99	2.59	1.72	0.0	1.61	9.33
125	122	-4.76	2.13	1.82e-03	0.0	0.0	65.85	-2.59	-2.18	0.0	2.13	-4.76
		-9.28	-1.79	1.15e-03	0.0	180.0	66.95	-2.59	-2.18	0.0	-1.79	-9.28
125	124	9.57	0.92	-1.64e-03	0.0	0.0	-80.66	2.37	0.96	0.0	-0.81	5.50
		5.50	-0.81	-6.86e-04	0.0	180.0	-79.56	2.37	0.96	0.0	0.92	9.57
125	125	-5.44	1.46	1.70e-03	0.0	0.0	45.42	-2.38	-1.42	0.0	1.46	-5.44
		-9.52	-1.10	8.12e-04	0.0	180.0	46.52	-2.38	-1.42	0.0	-1.10	-9.52
126	2	0.08	0.88	7.42e-05	0.0	0.0	-48.24	-7.80e-03	-0.95	0.0	0.88	0.08
		0.07	-0.82	2.17e-04	0.0	180.0	-46.81	-7.80e-03	-0.95	0.0	-0.82	0.07
126	3	0.02	0.38	1.98e-05	0.0	0.0	-16.16	-2.33e-03	-0.41	0.0	0.38	0.02
		0.02	-0.37	9.16e-05	0.0	180.0	-15.07	-2.33e-03	-0.41	0.0	-0.37	0.02
126	7	0.02	0.45	2.17e-05	0.0	0.0	-15.95	-2.66e-03	-0.49	0.0	0.45	0.02
		0.02	-0.44	1.09e-04	0.0	180.0	-14.85	-2.66e-03	-0.49	0.0	-0.44	0.02
126	9	0.02	0.34	1.89e-05	0.0	0.0	-16.27	-2.16e-03	-0.37	0.0	0.34	0.02
		0.02	-0.33	8.31e-05	0.0	180.0	-15.18	-2.16e-03	-0.37	0.0	-0.33	0.02
126	10	0.06	0.63	5.17e-05	0.0	0.0	-34.36	-5.44e-03	-0.67	0.0	0.63	0.06
		0.05	-0.58	1.54e-04	0.0	180.0	-33.26	-5.44e-03	-0.67	0.0	-0.58	0.05
126	11	0.02	0.39	2.02e-05	0.0	0.0	-16.13	-2.38e-03	-0.43	0.0	0.39	0.02
		0.02	-0.38	9.45e-05	0.0	180.0	-15.03	-2.38e-03	-0.43	0.0	-0.38	0.02
126	13	0.02	0.27	1.70e-05	0.0	0.0	-16.49	-1.82e-03	-0.30	0.0	0.27	0.02

		0.02	-0.26	6.61e-05	0.0	180.0	-15.39	-1.82e-03	-0.30	0.0	-0.26	0.02
126	14	0.04	0.41	3.34e-05	0.0	0.0	-25.53	-3.46e-03	-0.44	0.0	0.41	0.04
		0.03	-0.39	1.01e-04	0.0	180.0	-24.43	-3.46e-03	-0.44	0.0	-0.39	0.03
126	15	0.02	0.29	1.76e-05	0.0	0.0	-16.42	-1.93e-03	-0.32	0.0	0.29	0.02
		0.02	-0.29	7.18e-05	0.0	180.0	-15.32	-1.93e-03	-0.32	0.0	-0.29	0.02
126	17	0.02	0.27	1.70e-05	0.0	0.0	-16.49	-1.82e-03	-0.30	0.0	0.27	0.02
		0.02	-0.26	6.61e-05	0.0	180.0	-15.39	-1.82e-03	-0.30	0.0	-0.26	0.02
126	18	0.03	0.35	2.68e-05	0.0	0.0	-21.91	-2.81e-03	-0.38	0.0	0.35	0.03
		0.02	-0.34	8.73e-05	0.0	180.0	-20.81	-2.81e-03	-0.38	0.0	-0.34	0.02
126	20	8.12	0.80	-1.50e-03	0.0	0.0	47.09	2.22	1.11	0.0	-1.25	4.22
		4.22	-1.25	6.96e-04	0.0	180.0	48.19	2.22	1.11	0.0	0.80	8.12
126	21	-4.16	1.96	1.55e-03	0.0	0.0	-90.92	-2.23	-1.88	0.0	1.96	-4.16
		-8.07	-1.48	-5.22e-04	0.0	180.0	-89.82	-2.23	-1.88	0.0	-1.48	-8.07
126	26	-4.14	1.88	1.56e-03	0.0	0.0	-85.61	-2.24	-1.93	0.0	1.88	-4.14
		-8.05	-1.58	-4.09e-04	0.0	180.0	-84.51	-2.24	-1.93	0.0	-1.58	-8.05
126	28	8.32	0.58	-1.41e-03	0.0	0.0	35.23	2.06	0.83	0.0	-0.97	4.79
		4.79	-0.97	5.99e-04	0.0	180.0	36.33	2.06	0.83	0.0	0.58	8.32
126	29	-4.73	1.68	1.47e-03	0.0	0.0	-79.06	-2.06	-1.60	0.0	1.68	-4.73
		-8.27	-1.26	-4.24e-04	0.0	180.0	-77.96	-2.06	-1.60	0.0	-1.26	-8.27
126	52	6.62	0.52	-1.13e-03	0.0	0.0	30.63	1.78	0.74	0.0	-0.87	3.49
		3.49	-0.87	5.56e-04	0.0	180.0	31.73	1.78	0.74	0.0	0.52	6.62
126	53	-3.43	1.57	1.18e-03	0.0	0.0	-74.46	-1.78	-1.51	0.0	1.57	-3.43
		-6.57	-1.19	-3.81e-04	0.0	180.0	-73.36	-1.78	-1.51	0.0	-1.19	-6.57
126	58	-3.41	1.50	1.19e-03	0.0	0.0	-69.67	-1.79	-1.56	0.0	1.50	-3.41
		-6.55	-1.28	-2.79e-04	0.0	180.0	-68.57	-1.79	-1.56	0.0	-1.28	-6.55
126	60	6.75	0.36	-1.08e-03	0.0	0.0	21.99	1.65	0.54	0.0	-0.66	3.94
		3.94	-0.66	4.84e-04	0.0	180.0	23.08	1.65	0.54	0.0	0.36	6.75
126	61	-3.88	1.37	1.13e-03	0.0	0.0	-65.81	-1.66	-1.31	0.0	1.37	-3.88
		-6.70	-1.04	-3.10e-04	0.0	180.0	-64.71	-1.66	-1.31	0.0	-1.04	-6.70
126	84	5.95	0.42	-1.00e-03	0.0	0.0	24.85	1.59	0.62	0.0	-0.73	3.15
		3.15	-0.73	5.04e-04	0.0	180.0	25.95	1.59	0.62	0.0	0.42	5.95
126	85	-3.09	1.44	1.06e-03	0.0	0.0	-68.67	-1.60	-1.39	0.0	1.44	-3.09
		-5.90	-1.10	-3.30e-04	0.0	180.0	-67.58	-1.60	-1.39	0.0	-1.10	-5.90
126	90	-3.07	1.38	1.06e-03	0.0	0.0	-64.35	-1.61	-1.43	0.0	1.38	-3.07
		-5.88	-1.18	-2.37e-04	0.0	180.0	-63.25	-1.61	-1.43	0.0	-1.18	-5.88
126	92	6.07	0.28	-9.57e-04	0.0	0.0	17.15	1.48	0.44	0.0	-0.55	3.55
		3.55	-0.55	4.41e-04	0.0	180.0	18.24	1.48	0.44	0.0	0.28	6.07
126	93	-3.49	1.26	1.01e-03	0.0	0.0	-60.97	-1.48	-1.21	0.0	1.26	-3.49
		-6.02	-0.96	-2.66e-04	0.0	180.0	-59.87	-1.48	-1.21	0.0	-0.96	-6.02
126	116	9.37	1.00	-1.76e-03	0.0	0.0	58.85	2.57	1.37	0.0	-1.53	4.85
		4.85	-1.53	7.99e-04	0.0	180.0	59.94	2.57	1.37	0.0	1.00	9.37
126	117	-4.79	2.24	1.81e-03	0.0	0.0	-102.67	-2.58	-2.14	0.0	2.24	-4.79
		-9.32	-1.67	-6.24e-04	0.0	180.0	-101.57	-2.58	-2.14	0.0	-1.67	-9.32
126	122	-4.76	2.14	1.82e-03	0.0	0.0	-96.70	-2.59	-2.20	0.0	2.14	-4.76
		-9.28	-1.79	-4.97e-04	0.0	180.0	-95.60	-2.59	-2.20	0.0	-1.79	-9.28
126	124	9.57	0.73	-1.64e-03	0.0	0.0	44.34	2.37	1.03	0.0	-1.18	5.50
		5.50	-1.18	6.79e-04	0.0	180.0	45.43	2.37	1.03	0.0	0.73	9.57
126	125	-5.44	1.89	1.70e-03	0.0	0.0	-88.16	-2.38	-1.80	0.0	1.89	-5.44
		-9.52	-1.41	-5.04e-04	0.0	180.0	-87.06	-2.38	-1.80	0.0	-1.41	-9.52
127	2	0.04	0.09	1.14e-04	0.0	0.0	-4.20	-0.02	-0.04	0.0	0.09	0.04
		3.05e-04	-7.21e-04	8.18e-05	0.0	200.0	-2.62	-0.02	-0.04	0.0	-7.21e-04	3.05e-04
127	3	9.14e-03	0.06	2.99e-05	0.0	0.0	-4.40	-4.53e-03	-0.03	0.0	0.06	9.14e-03
		8.72e-05	-1.46e-04	2.41e-05	0.0	200.0	-3.18	-4.53e-03	-0.03	0.0	-1.46e-04	8.72e-05
127	4	0.03	0.08	1.06e-04	0.0	0.0	-2.91	-0.02	-0.04	0.0	0.08	0.03
		2.80e-04	-6.87e-04	7.63e-05	0.0	200.0	-1.69	-0.02	-0.04	0.0	-6.87e-04	2.80e-04
127	5	0.01	0.10	4.02e-05	0.0	0.0	-5.74	-6.03e-03	-0.05	0.0	0.10	0.01
		1.15e-04	-2.01e-04	3.35e-05	0.0	200.0	-4.16	-6.03e-03	-0.05	0.0	-2.01e-04	1.15e-04
127	6	0.03	0.12	9.35e-05	0.0	0.0	-4.70	-0.01	-0.06	0.0	0.12	0.03
		2.50e-04	-5.80e-04	7.01e-05	0.0	200.0	-3.12	-0.01	-0.06	0.0	-5.80e-04	2.50e-04
127	9	8.87e-03	0.05	2.86e-05	0.0	0.0	-4.37	-4.39e-03	-0.02	0.0	0.05	8.87e-03
		8.58e-05	-1.36e-04	2.21e-05	0.0	200.0	-3.15	-4.39e-03	-0.02	0.0	-1.36e-04	8.58e-05
127	10	0.03	0.06	7.93e-05	0.0	0.0	-3.38	-0.01	-0.03	0.0	0.06	0.03
		2.14e-04	-4.96e-04	5.69e-05	0.0	200.0	-2.16	-0.01	-0.03	0.0	-4.96e-04	2.14e-04
127	11	9.23e-03	0.07	3.03e-05	0.0	0.0	-4.40	-4.57e-03	-0.03	0.0	0.07	9.23e-03
		8.77e-05	-1.50e-04	2.47e-05	0.0	200.0	-3.19	-4.57e-03	-0.03	0.0	-1.50e-04	8.77e-05
127	12	0.02	0.08	6.58e-05	0.0	0.0	-3.71	-0.01	-0.04	0.0	0.08	0.02
		1.78e-04	-4.02e-04	4.91e-05	0.0	200.0	-2.49	-0.01	-0.04	0.0	-4.02e-04	1.78e-04
127	13	8.34e-03	0.01	2.60e-05	0.0	0.0	-4.32	-4.13e-03	-6.09e-03	0.0	0.01	8.34e-03
		8.30e-05	-1.15e-04	1.81e-05	0.0	200.0	-3.10	-4.13e-03	-6.09e-03	0.0	-1.15e-04	8.30e-05
127	14	0.02	0.02	5.13e-05	0.0	0.0	-3.82	-8.28e-03	-9.73e-03	0.0	0.02	0.02
		1.47e-04	-2.96e-04	3.55e-05	0.0	200.0	-2.60	-8.28e-03	-9.73e-03	0.0	-2.96e-04	1.47e-04
127	15	8.52e-03	0.02	2.68e-05	0.0	0.0	-4.33	-4.22e-03	-0.01	0.0	0.02	8.52e-03
		8.39e-05	-1.22e-04	1.94e-05	0.0	200.0	-3.11	-4.22e-03	-0.01	0.0	-1.22e-04	8.39e-05
127	16	0.01	0.03	4.21e-05	0.0	0.0	-4.04	-6.71e-03	-0.01	0.0	0.03	0.01
		1.22e-04	-2.30e-04	2.98e-05	0.0	200.0	-2.82	-6.71e-03	-0.01	0.0	-2.30e-04	1.22e-04

127	17	8.34e-03	0.01	2.60e-05	0.0	0.0	-4.32	-4.13e-03	-6.09e-03	0.0	0.01	8.34e-03
		8.30e-05	-1.15e-04	1.81e-05	0.0	200.0	-3.10	-4.13e-03	-6.09e-03	0.0	-1.15e-04	8.30e-05
127	18	0.01	0.02	4.12e-05	0.0	0.0	-4.02	-6.62e-03	-8.28e-03	0.0	0.02	0.01
		1.22e-04	-2.23e-04	2.85e-05	0.0	200.0	-2.80	-6.62e-03	-8.28e-03	0.0	-2.23e-04	1.22e-04
127	19	4.64	0.01	7.85e-04	0.0	0.0	-21.56	-2.34	0.44	0.0	-0.87	4.64
		-0.07	-0.87	-9.00e-04	0.0	200.0	-20.34	-2.34	0.44	0.0	0.01	-0.07
127	22	0.07	0.90	-7.02e-04	0.0	0.0	13.52	2.33	-0.46	0.0	0.90	-4.61
		-4.61	-0.01	9.57e-04	0.0	200.0	14.74	2.33	-0.46	0.0	-0.01	0.07
127	28	5.34	0.01	1.42e-03	0.0	0.0	-17.99	-2.70	0.27	0.0	-0.52	5.34
		-0.07	-0.52	-6.52e-04	0.0	200.0	-16.77	-2.70	0.27	0.0	0.01	-0.07
127	29	0.07	0.55	-1.34e-03	0.0	0.0	9.95	2.68	-0.28	0.0	0.55	-5.31
		-5.31	-0.01	7.09e-04	0.0	200.0	11.17	2.68	-0.28	0.0	-0.01	0.07
127	51	3.77	0.01	6.92e-04	0.0	0.0	-17.28	-1.91	0.34	0.0	-0.67	3.77
		-0.06	-0.67	-6.80e-04	0.0	200.0	-16.06	-1.91	0.34	0.0	0.01	-0.06
127	54	0.06	0.70	-6.10e-04	0.0	0.0	9.24	1.89	-0.36	0.0	0.70	-3.74
		-3.74	-0.01	7.37e-04	0.0	200.0	10.46	1.89	-0.36	0.0	-0.01	0.06
127	60	4.32	8.55e-03	1.19e-03	0.0	0.0	-14.65	-2.18	0.19	0.0	-0.38	4.32
		-0.06	-0.38	-4.83e-04	0.0	200.0	-13.43	-2.18	0.19	0.0	8.55e-03	-0.06
127	61	0.06	0.41	-1.11e-03	0.0	0.0	6.61	2.17	-0.21	0.0	0.41	-4.29
		-4.29	-9.00e-03	5.40e-04	0.0	200.0	7.83	2.17	-0.21	0.0	-9.00e-03	0.06
127	83	3.38	9.51e-03	6.32e-04	0.0	0.0	-15.81	-1.71	0.30	0.0	-0.60	3.38
		-0.05	-0.60	-6.02e-04	0.0	200.0	-14.59	-1.71	0.30	0.0	9.51e-03	-0.05
127	86	0.05	0.63	-5.50e-04	0.0	0.0	7.77	1.70	-0.32	0.0	0.63	-3.36
		-3.36	-9.95e-03	6.59e-04	0.0	200.0	8.99	1.70	-0.32	0.0	-9.95e-03	0.05
127	87	3.43	9.46e-03	6.43e-04	0.0	0.0	-15.81	-1.74	0.29	0.0	-0.58	3.43
		-0.05	-0.58	-6.01e-04	0.0	200.0	-14.59	-1.74	0.29	0.0	9.46e-03	-0.05
127	90	0.05	0.61	-5.60e-04	0.0	0.0	7.77	1.72	-0.31	0.0	0.61	-3.40
		-3.40	-9.91e-03	6.58e-04	0.0	200.0	8.99	1.72	-0.31	0.0	-9.91e-03	0.05
127	92	3.87	7.57e-03	1.08e-03	0.0	0.0	-13.46	-1.96	0.17	0.0	-0.33	3.87
		-0.05	-0.33	-4.26e-04	0.0	200.0	-12.25	-1.96	0.17	0.0	7.57e-03	-0.05
127	93	0.05	0.36	-9.94e-04	0.0	0.0	5.43	1.95	-0.19	0.0	0.36	-3.85
		-3.85	-8.02e-03	4.83e-04	0.0	200.0	6.65	1.95	-0.19	0.0	-8.02e-03	0.05
127	115	5.35	0.02	8.84e-04	0.0	0.0	-24.58	-2.70	0.52	0.0	-1.02	5.35
		-0.08	-1.02	-1.06e-03	0.0	200.0	-23.36	-2.70	0.52	0.0	0.02	-0.08
127	118	0.08	1.05	-8.01e-04	0.0	0.0	16.54	2.69	-0.53	0.0	1.05	-5.32
		-5.32	-0.02	1.12e-03	0.0	200.0	17.76	2.69	-0.53	0.0	-0.02	0.08
127	124	6.14	0.01	1.62e-03	0.0	0.0	-20.24	-3.10	0.31	0.0	-0.61	6.14
		-0.08	-0.61	-7.64e-04	0.0	200.0	-19.02	-3.10	0.31	0.0	0.01	-0.08
127	125	0.08	0.65	-1.54e-03	0.0	0.0	12.20	3.09	-0.33	0.0	0.65	-6.12
		-6.12	-0.01	8.21e-04	0.0	200.0	13.42	3.09	-0.33	0.0	-0.01	0.08
128	1	0.01	0.19	3.74e-05	0.0	0.0	-6.24	-5.75e-03	-0.09	0.0	0.19	0.01
		-1.84e-04	1.81e-04	-1.75e-05	0.0	200.0	-4.66	-5.75e-03	-0.09	0.0	1.81e-04	-1.84e-04
128	2	0.04	0.37	1.13e-04	0.0	0.0	-6.17	-0.02	-0.19	0.0	0.37	0.04
		-6.14e-04	7.21e-04	-5.45e-05	0.0	200.0	-4.58	-0.02	-0.19	0.0	7.21e-04	-6.14e-04
128	3	8.88e-03	0.16	2.97e-05	0.0	0.0	-4.78	-4.51e-03	-0.08	0.0	0.16	8.88e-03
		-1.41e-04	1.46e-04	-1.37e-05	0.0	200.0	-3.56	-4.51e-03	-0.08	0.0	1.46e-04	-1.41e-04
128	8	0.03	0.31	8.54e-05	0.0	0.0	-4.67	-0.01	-0.16	0.0	0.31	0.03
		-4.38e-04	5.45e-04	-3.84e-05	0.0	200.0	-3.45	-0.01	-0.16	0.0	5.45e-04	-4.38e-04
128	9	8.62e-03	0.14	2.84e-05	0.0	0.0	-4.81	-4.38e-03	-0.07	0.0	0.14	8.62e-03
		-1.42e-04	1.36e-04	-1.34e-05	0.0	200.0	-3.59	-4.38e-03	-0.07	0.0	1.36e-04	-1.42e-04
128	10	0.03	0.26	7.90e-05	0.0	0.0	-4.76	-0.01	-0.13	0.0	0.26	0.03
		-4.29e-04	4.96e-04	-3.80e-05	0.0	200.0	-3.54	-0.01	-0.13	0.0	4.96e-04	-4.29e-04
128	12	0.02	0.25	6.55e-05	0.0	0.0	-4.74	-0.01	-0.12	0.0	0.25	0.02
		-3.41e-04	4.02e-04	-3.00e-05	0.0	200.0	-3.52	-0.01	-0.12	0.0	4.02e-04	-3.41e-04
128	13	8.10e-03	0.11	2.58e-05	0.0	0.0	-4.87	-4.12e-03	-0.06	0.0	0.11	8.10e-03
		-1.45e-04	1.15e-04	-1.33e-05	0.0	200.0	-3.65	-4.12e-03	-0.06	0.0	1.15e-04	-1.45e-04
128	14	0.02	0.17	5.11e-05	0.0	0.0	-4.84	-8.31e-03	-0.09	0.0	0.17	0.02
		-2.88e-04	2.96e-04	-2.61e-05	0.0	200.0	-3.63	-8.31e-03	-0.09	0.0	2.96e-04	-2.88e-04
128	16	0.01	0.16	4.19e-05	0.0	0.0	-4.83	-6.72e-03	-0.08	0.0	0.16	0.01
		-2.30e-04	2.30e-04	-2.07e-05	0.0	200.0	-3.62	-6.72e-03	-0.08	0.0	2.30e-04	-2.30e-04
128	17	8.10e-03	0.11	2.58e-05	0.0	0.0	-4.87	-4.12e-03	-0.06	0.0	0.11	8.10e-03
		-1.45e-04	1.15e-04	-1.33e-05	0.0	200.0	-3.65	-4.12e-03	-0.06	0.0	1.15e-04	-1.45e-04
128	18	0.01	0.15	4.10e-05	0.0	0.0	-4.85	-6.63e-03	-0.07	0.0	0.15	0.01
		-2.31e-04	2.23e-04	-2.09e-05	0.0	200.0	-3.64	-6.63e-03	-0.07	0.0	2.23e-04	-2.31e-04
128	20	4.72	-0.01	7.98e-04	0.0	0.0	14.06	-2.39	0.19	0.0	-0.40	4.72
		-0.07	-0.40	8.99e-04	0.0	200.0	15.28	-2.39	0.19	0.0	-0.01	-0.07
128	21	0.07	0.69	-7.16e-04	0.0	0.0	-23.77	2.37	-0.34	0.0	0.69	-4.69
		-4.69	0.01	-9.40e-04	0.0	200.0	-22.55	2.37	-0.34	0.0	0.01	0.07
128	23	4.70	-0.01	7.95e-04	0.0	0.0	13.00	-2.38	0.21	0.0	-0.43	4.70
		-0.07	-0.43	8.16e-04	0.0	200.0	14.21	-2.38	0.21	0.0	-0.01	-0.07
128	26	0.07	0.73	-7.13e-04	0.0	0.0	-22.70	2.36	-0.36	0.0	0.73	-4.67
		-4.67	0.01	-8.57e-04	0.0	200.0	-21.49	2.36	-0.36	0.0	0.01	0.07
128	28	5.34	-0.01	1.42e-03	0.0	0.0	10.76	-2.70	0.14	0.0	-0.29	5.34
		-0.07	-0.29	7.44e-04	0.0	200.0	11.98	-2.70	0.14	0.0	-0.01	-0.07
128	29	0.07	0.59	-1.34e-03	0.0	0.0	-20.47	2.68	-0.29	0.0	0.59	-5.31

		-5.31	0.01	-7.85e-04	0.0	200.0	-19.25	2.68	-0.29	0.0	0.01	0.07
128	52	3.83	-0.01	7.07e-04	0.0	0.0	9.52	-1.94	0.13	0.0	-0.26	3.83
		-0.06	-0.26	6.81e-04	0.0	200.0	10.73	-1.94	0.13	0.0	-0.01	-0.06
128	53	0.06	0.56	-6.25e-04	0.0	0.0	-19.22	1.93	-0.27	0.0	0.56	-3.81
		-3.81	0.01	-7.21e-04	0.0	200.0	-18.01	1.93	-0.27	0.0	0.01	0.06
128	55	3.82	-0.01	7.03e-04	0.0	0.0	8.57	-1.93	0.14	0.0	-0.29	3.82
		-0.06	-0.29	6.06e-04	0.0	200.0	9.78	-1.93	0.14	0.0	-0.01	-0.06
128	58	0.06	0.59	-6.22e-04	0.0	0.0	-18.27	1.92	-0.29	0.0	0.59	-3.79
		-3.79	0.01	-6.46e-04	0.0	200.0	-17.06	1.92	-0.29	0.0	0.01	0.06
128	60	4.32	-8.55e-03	1.19e-03	0.0	0.0	7.11	-2.18	0.09	0.0	-0.18	4.32
		-0.06	-0.18	5.68e-04	0.0	200.0	8.33	-2.18	0.09	0.0	-8.55e-03	-0.06
128	61	0.06	0.48	-1.11e-03	0.0	0.0	-16.82	2.17	-0.24	0.0	0.48	-4.29
		-4.29	9.00e-03	-6.09e-04	0.0	200.0	-15.60	2.17	-0.24	0.0	9.00e-03	0.06
128	84	3.44	-9.18e-03	6.46e-04	0.0	0.0	7.93	-1.74	0.10	0.0	-0.22	3.44
		-0.05	-0.22	6.03e-04	0.0	200.0	9.15	-1.74	0.10	0.0	-9.18e-03	-0.05
128	85	0.05	0.51	-5.64e-04	0.0	0.0	-17.64	1.73	-0.25	0.0	0.51	-3.42
		-3.42	9.63e-03	-6.44e-04	0.0	200.0	-16.42	1.73	-0.25	0.0	9.63e-03	0.05
128	87	3.43	-9.46e-03	6.43e-04	0.0	0.0	7.07	-1.74	0.12	0.0	-0.25	3.43
		-0.05	-0.25	5.36e-04	0.0	200.0	8.29	-1.74	0.12	0.0	-9.46e-03	-0.05
128	90	0.05	0.54	-5.61e-04	0.0	0.0	-16.78	1.72	-0.27	0.0	0.54	-3.40
		-3.40	9.91e-03	-5.77e-04	0.0	200.0	-15.56	1.72	-0.27	0.0	9.91e-03	0.05
128	92	3.87	-7.57e-03	1.08e-03	0.0	0.0	5.79	-1.96	0.07	0.0	-0.15	3.87
		-0.05	-0.15	5.03e-04	0.0	200.0	7.01	-1.96	0.07	0.0	-7.57e-03	-0.05
128	93	0.05	0.44	-9.94e-04	0.0	0.0	-15.50	1.95	-0.22	0.0	0.44	-3.85
		-3.85	8.02e-03	-5.44e-04	0.0	200.0	-14.28	1.95	-0.22	0.0	8.02e-03	0.05
128	116	5.44	-0.02	8.99e-04	0.0	0.0	17.29	-2.75	0.24	0.0	-0.49	5.44
		-0.08	-0.49	1.06e-03	0.0	200.0	18.51	-2.75	0.24	0.0	-0.02	-0.08
128	117	0.08	0.79	-8.17e-04	0.0	0.0	-27.00	2.74	-0.39	0.0	0.79	-5.42
		-5.42	0.02	-1.10e-03	0.0	200.0	-25.78	2.74	-0.39	0.0	0.02	0.08
128	119	5.42	-0.02	8.95e-04	0.0	0.0	16.09	-2.74	0.26	0.0	-0.53	5.42
		-0.08	-0.53	9.62e-04	0.0	200.0	17.31	-2.74	0.26	0.0	-0.02	-0.08
128	122	0.08	0.83	-8.13e-04	0.0	0.0	-25.80	2.73	-0.41	0.0	0.83	-5.40
		-5.40	0.02	-1.00e-03	0.0	200.0	-24.58	2.73	-0.41	0.0	0.02	0.08
128	124	6.14	-0.01	1.62e-03	0.0	0.0	13.26	-3.10	0.17	0.0	-0.36	6.14
		-0.08	-0.36	8.66e-04	0.0	200.0	14.48	-3.10	0.17	0.0	-0.01	-0.08
128	125	0.08	0.66	-1.54e-03	0.0	0.0	-22.97	3.09	-0.32	0.0	0.66	-6.12
		-6.12	0.01	-9.07e-04	0.0	200.0	-21.75	3.09	-0.32	0.0	0.01	0.08
131	2	2.71	0.10	-1.30e-04	0.0	0.0	-63.61	0.92	-0.10	-1.93e-05	0.10	-0.61
		-0.61	-0.28	7.49e-05	0.0	360.0	-60.76	0.92	-0.10	-1.93e-05	-0.28	2.71
131	3	0.67	0.05	-2.86e-05	0.0	0.0	-22.63	0.22	-0.04	-2.72e-06	0.05	-0.14
		-0.14	-0.09	4.46e-05	0.0	360.0	-20.44	0.22	-0.04	-2.72e-06	-0.09	0.67
131	9	0.67	0.04	-3.05e-05	0.0	0.0	-22.06	0.23	-0.04	-4.02e-06	0.04	-0.15
		-0.15	-0.09	3.74e-05	0.0	360.0	-19.87	0.23	-0.04	-4.02e-06	-0.09	0.67
131	10	1.90	0.07	-9.12e-05	0.0	0.0	-45.20	0.65	-0.07	-1.37e-05	0.07	-0.43
		-0.43	-0.20	5.31e-05	0.0	360.0	-43.00	0.65	-0.07	-1.37e-05	-0.20	1.90
131	13	0.66	0.03	-3.44e-05	0.0	0.0	-20.93	0.23	-0.03	-6.62e-06	0.03	-0.16
		-0.16	-0.08	2.37e-05	0.0	360.0	-18.73	0.23	-0.03	-6.62e-06	-0.08	0.66
131	14	1.27	0.04	-6.47e-05	0.0	0.0	-32.49	0.44	-0.05	-1.15e-05	0.04	-0.30
		-0.30	-0.13	3.21e-05	0.0	360.0	-30.30	0.44	-0.05	-1.15e-05	-0.13	1.27
131	17	0.66	0.03	-3.44e-05	0.0	0.0	-20.93	0.23	-0.03	-6.62e-06	0.03	-0.16
		-0.16	-0.08	2.37e-05	0.0	360.0	-18.73	0.23	-0.03	-6.62e-06	-0.08	0.66
131	18	1.03	0.04	-5.26e-05	0.0	0.0	-27.87	0.35	-0.04	-9.53e-06	0.04	-0.24
		-0.24	-0.11	2.87e-05	0.0	360.0	-25.67	0.35	-0.04	-9.53e-06	-0.11	1.03
131	24	10.45	0.77	-0.01	0.0	0.0	-177.91	8.35	-0.30	0.19	0.77	-19.43
		-19.43	-0.30	1.25e-03	0.0	360.0	-175.72	8.35	-0.30	0.19	-0.30	10.45
131	25	18.94	0.08	0.01	0.0	0.0	122.18	-7.64	0.22	-0.19	-0.70	18.94
		-8.40	-0.70	-1.21e-03	0.0	360.0	124.38	-7.64	0.22	-0.19	0.08	-8.40
131	27	11.65	0.54	-0.01	0.0	0.0	-134.81	8.79	-0.21	-0.12	0.54	-19.64
		-19.64	-0.21	8.66e-04	0.0	360.0	-132.61	8.79	-0.21	-0.12	-0.21	11.65
131	30	19.16	-9.97e-03	0.01	0.0	0.0	79.07	-8.08	0.12	0.12	-0.46	19.16
		-9.60	-0.46	-8.26e-04	0.0	360.0	81.27	-8.08	0.12	0.12	-9.97e-03	-9.60
131	56	8.15	0.60	-7.99e-03	0.0	0.0	-142.58	6.40	-0.24	0.11	0.60	-14.74
		-14.74	-0.26	9.61e-04	0.0	360.0	-140.39	6.40	-0.24	0.11	-0.26	8.15
131	57	14.26	0.04	8.01e-03	0.0	0.0	86.85	-5.69	0.16	-0.11	-0.53	14.26
		-6.10	-0.53	-9.21e-04	0.0	360.0	89.04	-5.69	0.16	-0.11	0.04	-6.10
131	59	9.11	0.41	-8.00e-03	0.0	0.0	-108.00	6.78	-0.16	-0.07	0.41	-15.01
		-15.01	-0.18	6.52e-04	0.0	360.0	-105.80	6.78	-0.16	-0.07	-0.18	9.11
131	62	14.53	-0.04	8.01e-03	0.0	0.0	52.27	-6.07	0.08	0.07	-0.33	14.53
		-7.06	-0.33	-6.12e-04	0.0	360.0	54.46	-6.07	0.08	0.07	-0.04	-7.06
131	88	7.37	0.54	-7.11e-03	0.0	0.0	-130.01	5.73	-0.22	0.10	0.54	-13.13
		-13.13	-0.24	8.58e-04	0.0	360.0	-127.81	5.73	-0.22	0.10	-0.24	7.37
131	89	12.65	0.03	7.12e-03	0.0	0.0	74.28	-5.02	0.14	-0.10	-0.46	12.65
		-5.31	-0.46	-8.18e-04	0.0	360.0	76.47	-5.02	0.14	-0.10	0.03	-5.31
131	91	8.22	0.37	-7.11e-03	0.0	0.0	-98.98	6.07	-0.15	-0.06	0.37	-13.37
		-13.37	-0.17	5.81e-04	0.0	360.0	-96.79	6.07	-0.15	-0.06	-0.17	8.22

131	94	12.89	-0.05	7.12e-03	0.0	0.0	43.25	-5.36	0.07	0.06	-0.29	12.89
		-6.16	-0.29	-5.40e-04	0.0	360.0	45.44	-5.36	0.07	0.06	-0.05	-6.16
131	115	11.98	0.76	-0.01	0.0	0.0	-183.08	9.78	-0.28	-0.15	0.76	-22.84
		-22.84	-0.26	1.25e-03	0.0	360.0	-180.89	9.78	-0.28	-0.15	-0.26	11.98
131	118	22.36	0.04	0.01	0.0	0.0	127.35	-9.07	0.20	0.15	-0.69	22.36
		-9.93	-0.69	-1.21e-03	0.0	360.0	129.54	-9.07	0.20	0.15	0.04	-9.93
131	120	12.08	0.89	-0.01	0.0	0.0	-203.33	9.72	-0.34	0.24	0.89	-22.73
		-22.73	-0.33	1.45e-03	0.0	360.0	-201.13	9.72	-0.34	0.24	-0.33	12.08
131	121	22.25	0.11	0.01	0.0	0.0	147.59	-9.02	0.26	-0.24	-0.82	22.25
		-10.02	-0.82	-1.41e-03	0.0	360.0	149.79	-9.02	0.26	-0.24	0.11	-10.02
132	2	0.10	0.14	2.59e-05	0.0	0.0	-57.98	-2.70e-03	-0.36	0.0	0.14	0.10
		0.10	-0.51	7.00e-05	0.0	180.0	-56.56	-2.70e-03	-0.36	0.0	-0.51	0.10
132	3	0.03	0.12	7.27e-06	0.0	0.0	-18.28	-1.89e-03	-0.28	0.0	0.12	0.03
		0.03	-0.38	6.20e-05	0.0	180.0	-17.18	-1.89e-03	-0.28	0.0	-0.38	0.03
132	6	0.09	0.20	2.17e-05	0.0	0.0	-46.93	-3.22e-03	-0.47	0.0	0.20	0.09
		0.08	-0.64	1.02e-04	0.0	180.0	-45.50	-3.22e-03	-0.47	0.0	-0.64	0.08
132	7	0.03	0.18	8.12e-06	0.0	0.0	-17.36	-2.58e-03	-0.40	0.0	0.18	0.03
		0.03	-0.54	9.61e-05	0.0	180.0	-16.27	-2.58e-03	-0.40	0.0	-0.54	0.03
132	9	0.03	0.09	6.84e-06	0.0	0.0	-18.74	-1.54e-03	-0.22	0.0	0.09	0.03
		0.02	-0.31	4.51e-05	0.0	180.0	-17.64	-1.54e-03	-0.22	0.0	-0.31	0.02
132	10	0.07	0.10	1.81e-05	0.0	0.0	-41.28	-1.91e-03	-0.25	0.0	0.10	0.07
		0.07	-0.36	4.83e-05	0.0	180.0	-40.18	-1.91e-03	-0.25	0.0	-0.36	0.07
132	11	0.03	0.13	7.41e-06	0.0	0.0	-18.13	-2.00e-03	-0.30	0.0	0.13	0.03
		0.03	-0.41	6.77e-05	0.0	180.0	-17.03	-2.00e-03	-0.30	0.0	-0.41	0.03
132	12	0.06	0.14	1.53e-05	0.0	0.0	-33.90	-2.26e-03	-0.32	0.0	0.14	0.06
		0.06	-0.45	6.95e-05	0.0	180.0	-32.81	-2.26e-03	-0.32	0.0	-0.45	0.06
132	13	0.02	0.03	5.99e-06	0.0	0.0	-19.65	-8.49e-04	-0.10	0.0	0.03	0.02
		0.02	-0.15	1.27e-05	0.0	180.0	-18.55	-8.49e-04	-0.10	0.0	-0.15	0.02
132	14	0.05	0.03	1.16e-05	0.0	0.0	-30.92	-1.03e-03	-0.11	0.0	0.03	0.05
		0.04	-0.18	1.45e-05	0.0	180.0	-29.82	-1.03e-03	-0.11	0.0	-0.18	0.04
132	15	0.02	0.05	6.27e-06	0.0	0.0	-19.35	-1.08e-03	-0.14	0.0	0.05	0.02
		0.02	-0.20	2.30e-05	0.0	180.0	-18.25	-1.08e-03	-0.14	0.0	-0.20	0.02
132	16	0.04	0.05	9.64e-06	0.0	0.0	-26.11	-1.19e-03	-0.15	0.0	0.05	0.04
		0.04	-0.22	2.39e-05	0.0	180.0	-25.01	-1.19e-03	-0.15	0.0	-0.22	0.04
132	17	0.02	0.03	5.99e-06	0.0	0.0	-19.65	-8.49e-04	-0.10	0.0	0.03	0.02
		0.02	-0.15	1.27e-05	0.0	180.0	-18.55	-8.49e-04	-0.10	0.0	-0.15	0.02
132	18	0.04	0.03	9.36e-06	0.0	0.0	-26.41	-9.61e-04	-0.11	0.0	0.03	0.04
		0.03	-0.17	1.38e-05	0.0	180.0	-25.32	-9.61e-04	-0.11	0.0	-0.17	0.03
132	19	1.65	1.02	-2.09e-03	0.0	0.0	-177.03	4.44	1.17	0.0	-1.09	-8.72
		-8.72	-1.09	-6.84e-04	0.0	180.0	-175.93	4.44	1.17	0.0	1.02	1.65
132	22	8.79	1.15	2.10e-03	0.0	0.0	124.20	-4.44	-1.39	0.0	1.15	8.79
		-1.58	-1.35	7.04e-04	0.0	180.0	125.30	-4.44	-1.39	0.0	-1.35	-1.58
132	27	1.69	0.84	-2.18e-03	0.0	0.0	-151.89	4.68	0.97	0.0	-0.91	-9.11
		-9.11	-0.91	-5.72e-04	0.0	180.0	-150.79	4.68	0.97	0.0	0.84	1.69
132	30	9.18	0.97	2.20e-03	0.0	0.0	99.07	-4.68	-1.19	0.0	0.97	9.18
		-1.62	-1.17	5.93e-04	0.0	180.0	100.16	-4.68	-1.19	0.0	-1.17	-1.62
132	51	1.28	0.75	-1.66e-03	0.0	0.0	-141.51	3.60	0.88	0.0	-0.83	-6.94
		-6.94	-0.83	-5.23e-04	0.0	180.0	-140.41	3.60	0.88	0.0	0.75	1.28
132	54	7.02	0.89	1.68e-03	0.0	0.0	88.68	-3.60	-1.10	0.0	0.89	7.02
		-1.21	-1.09	5.43e-04	0.0	180.0	89.78	-3.60	-1.10	0.0	-1.09	-1.21
132	59	1.35	0.62	-1.74e-03	0.0	0.0	-123.19	3.80	0.73	0.0	-0.70	-7.27
		-7.27	-0.70	-4.42e-04	0.0	180.0	-122.10	3.80	0.73	0.0	0.62	1.35
132	62	7.35	0.76	1.76e-03	0.0	0.0	70.37	-3.80	-0.95	0.0	0.76	7.35
		-1.28	-0.95	4.62e-04	0.0	180.0	71.46	-3.80	-0.95	0.0	-0.95	-1.28
132	83	1.14	0.65	-1.49e-03	0.0	0.0	-128.88	3.23	0.77	0.0	-0.74	-6.22
		-6.22	-0.74	-4.65e-04	0.0	180.0	-127.78	3.23	0.77	0.0	0.65	1.14
132	86	6.29	0.79	1.50e-03	0.0	0.0	76.05	-3.24	-0.99	0.0	0.79	6.29
		-1.07	-0.99	4.85e-04	0.0	180.0	77.15	-3.24	-0.99	0.0	-0.99	-1.07
132	91	1.22	0.54	-1.55e-03	0.0	0.0	-112.56	3.41	0.64	0.0	-0.62	-6.51
		-6.51	-0.62	-3.92e-04	0.0	180.0	-111.46	3.41	0.64	0.0	0.54	1.22
132	94	6.58	0.68	1.57e-03	0.0	0.0	59.74	-3.41	-0.86	0.0	0.68	6.58
		-1.15	-0.87	4.13e-04	0.0	180.0	60.83	-3.41	-0.86	0.0	-0.87	-1.15
132	115	1.93	1.22	-2.42e-03	0.0	0.0	-202.55	5.13	1.39	0.0	-1.28	-10.11
		-10.11	-1.28	-8.01e-04	0.0	180.0	-201.45	5.13	1.39	0.0	1.22	1.93
132	118	10.18	1.34	2.44e-03	0.0	0.0	149.72	-5.13	-1.60	0.0	1.34	10.18
		-1.86	-1.55	8.21e-04	0.0	180.0	150.82	-5.13	-1.60	0.0	-1.55	-1.86
132	123	1.95	1.00	-2.51e-03	0.0	0.0	-171.77	5.39	1.14	0.0	-1.06	-10.51
		-10.51	-1.06	-6.64e-04	0.0	180.0	-170.68	5.39	1.14	0.0	1.00	1.95
132	126	10.58	1.12	2.53e-03	0.0	0.0	118.95	-5.39	-1.36	0.0	1.12	10.58
		-1.88	-1.33	6.84e-04	0.0	180.0	120.05	-5.39	-1.36	0.0	-1.33	-1.88
133	2	0.12	-0.13	3.01e-06	0.0	0.0	-24.14	-0.05	-0.51	0.0	-0.13	0.12
		0.09	-0.30	-1.69e-05	0.61	80.0	-23.51	-0.05	0.10	0.0	-0.29	0.09
133	6	0.10	0.16	2.47e-06	0.0	0.0	-22.08	-0.04	-1.11	0.0	0.16	0.10
		0.07	-0.32	-5.04e-06	1.02	80.0	-21.45	-0.04	-0.09	0.0	-0.32	0.07
133	7	0.04	0.39	0.0	0.0	0.0	-13.37	-0.02	-1.26	0.0	0.39	0.04

		0.03	-0.21	9.39e-06	1.02	80.0	-12.88	-0.02	-0.24	0.0	-0.21	0.03
133	10	0.09	-0.10	2.13e-06	0.0	0.0	-17.90	-0.03	-0.33	0.0	-0.10	0.09
		0.06	-0.21	-1.22e-05	0.41	80.0	-17.41	-0.03	0.08	0.0	-0.20	0.06
133	11	0.04	0.22	0.0	0.0	0.0	-13.42	-0.02	-0.81	0.0	0.22	0.04
		0.03	-0.16	3.92e-06	0.68	80.0	-12.93	-0.02	-0.13	0.0	-0.16	0.03
133	12	0.07	0.09	1.77e-06	0.0	0.0	-16.53	-0.03	-0.73	0.0	0.09	0.07
		0.05	-0.22	-4.31e-06	0.68	80.0	-16.04	-0.03	-0.05	0.0	-0.22	0.05
133	14	0.06	-0.09	1.55e-06	0.0	0.0	-15.74	-0.03	0.14	0.0	-0.21	0.06
		0.04	-0.21	-1.30e-05	0.0	80.0	-15.25	-0.03	0.14	0.0	-0.09	0.04
133	15	0.04	-0.05	0.0	0.0	0.0	-13.50	-0.02	-0.10	0.0	-0.05	0.04
		0.03	-0.08	-4.93e-06	0.14	80.0	-13.01	-0.02	0.04	0.0	-0.07	0.03
133	17	0.04	-0.05	0.0	0.0	0.0	-13.52	-0.02	0.08	0.0	-0.12	0.04
		0.03	-0.12	-7.14e-06	0.0	80.0	-13.03	-0.02	0.08	0.0	-0.05	0.03
133	18	0.06	-0.08	1.32e-06	0.0	0.0	-14.85	-0.02	0.12	0.0	-0.17	0.06
		0.04	-0.17	-1.06e-05	0.0	80.0	-14.37	-0.02	0.12	0.0	-0.08	0.04
133	20	-1.22	0.12	-3.99e-05	0.0	0.0	95.62	0.51	0.48	0.0	-0.27	-1.63
		-1.63	-0.27	-1.06e-05	0.0	80.0	96.10	0.51	0.48	0.0	0.12	-1.22
133	21	1.74	-0.08	4.25e-05	0.0	0.0	-125.32	-0.56	-0.24	0.0	-0.08	1.74
		1.29	-0.27	-1.07e-05	0.0	80.0	-124.83	-0.56	-0.24	0.0	-0.27	1.29
133	24	-1.18	0.12	-3.86e-05	0.0	0.0	94.25	0.51	0.48	0.0	-0.27	-1.58
		-1.58	-0.27	-1.10e-05	0.0	80.0	94.74	0.51	0.48	0.0	0.12	-1.18
133	44	-0.29	0.01	-9.38e-06	0.0	0.0	20.53	0.15	0.36	0.0	-0.29	-0.38
		-0.38	-0.29	-1.52e-05	0.0	80.0	21.01	0.15	0.36	0.0	0.01	-0.29
133	52	-0.92	0.07	-3.00e-05	0.0	0.0	69.04	0.38	0.39	0.0	-0.25	-1.22
		-1.22	-0.25	-1.07e-05	0.0	80.0	69.53	0.38	0.39	0.0	0.07	-0.92
133	53	1.33	-0.10	3.26e-05	0.0	0.0	-98.75	-0.43	-0.16	0.0	-0.10	1.33
		0.99	-0.22	-1.06e-05	0.0	80.0	-98.26	-0.43	-0.16	0.0	-0.22	0.99
133	56	-0.88	0.07	-2.89e-05	0.0	0.0	67.81	0.38	0.40	0.0	-0.25	-1.18
		-1.18	-0.25	-1.10e-05	0.0	80.0	68.30	0.38	0.40	0.0	0.07	-0.88
133	76	-0.20	-4.62e-03	-6.62e-06	0.0	0.0	12.19	0.11	0.32	0.0	-0.27	-0.27
		-0.27	-0.27	-1.44e-05	0.0	80.0	12.68	0.11	0.32	0.0	-4.62e-03	-0.20
133	84	-0.81	0.05	-2.65e-05	0.0	0.0	59.80	0.34	0.36	0.0	-0.24	-1.08
		-1.08	-0.24	-1.07e-05	0.0	80.0	60.28	0.34	0.36	0.0	0.05	-0.81
133	85	1.19	-0.10	2.91e-05	0.0	0.0	-89.50	-0.38	-0.13	0.0	-0.10	1.19
		0.89	-0.21	-1.06e-05	0.0	80.0	-89.01	-0.38	-0.13	0.0	-0.21	0.89
133	88	-0.78	0.05	-2.56e-05	0.0	0.0	58.69	0.33	0.37	0.0	-0.24	-1.04
		-1.04	-0.24	-1.10e-05	0.0	80.0	59.18	0.33	0.37	0.0	0.05	-0.78
133	108	-0.18	-0.01	-5.73e-06	0.0	0.0	9.23	0.10	0.30	0.0	-0.26	-0.23
		-0.23	-0.26	-1.41e-05	0.0	80.0	9.72	0.10	0.30	0.0	-0.01	-0.18
133	116	-1.43	0.15	-4.69e-05	0.0	0.0	114.51	0.60	0.54	0.0	-0.28	-1.91
		-1.91	-0.28	-1.06e-05	0.0	80.0	115.00	0.60	0.54	0.0	0.15	-1.43
133	117	2.02	-0.06	4.95e-05	0.0	0.0	-144.22	-0.65	-0.30	0.0	-0.06	2.02
		1.51	-0.30	-1.07e-05	0.0	80.0	-143.73	-0.65	-0.30	0.0	-0.30	1.51
133	120	-1.39	0.15	-4.55e-05	0.0	0.0	112.98	0.60	0.54	0.0	-0.29	-1.86
		-1.86	-0.29	-1.10e-05	0.0	80.0	113.47	0.60	0.54	0.0	0.15	-1.39
133	140	-0.35	0.03	-1.13e-05	0.0	0.0	26.53	0.18	0.40	0.0	-0.31	-0.46
		-0.46	-0.31	-1.59e-05	0.0	80.0	27.01	0.18	0.40	0.0	0.03	-0.35
135	1	0.01	0.48	0.0	0.0	0.0	-13.27	2.45e-03	-0.92	0.0	0.48	0.01
		0.01	-6.96e-03	2.13e-05	0.61	80.0	-12.63	2.45e-03	-0.31	0.0	-6.96e-03	0.01
135	2	0.08	0.49	1.96e-06	0.0	0.0	-11.04	-0.02	-0.92	0.0	0.49	0.08
		0.06	-3.62e-04	2.17e-05	0.61	80.0	-10.40	-0.02	-0.31	0.0	-3.62e-04	0.06
135	4	0.08	0.48	1.88e-06	0.0	0.0	-7.97	-0.02	-0.91	0.0	0.48	0.08
		0.06	-6.68e-03	2.09e-05	0.61	80.0	-7.48	-0.02	-0.30	0.0	-6.68e-03	0.06
135	6	0.06	0.77	1.47e-06	0.0	0.0	-11.68	-0.01	-1.51	0.0	0.77	0.06
		0.05	-0.03	3.34e-05	1.02	80.0	-11.05	-0.01	-0.49	0.0	-0.03	0.05
135	7	0.01	0.76	0.0	0.0	0.0	-10.18	1.99e-03	-1.50	0.0	0.76	8.98e-03
		8.98e-03	-0.04	3.22e-05	1.02	80.0	-9.69	1.99e-03	-0.48	0.0	-0.04	0.01
135	9	0.01	0.33	0.0	0.0	0.0	-10.21	1.87e-03	-0.62	0.0	0.33	9.38e-03
		9.38e-03	-1.83e-03	1.45e-05	0.41	80.0	-9.72	1.87e-03	-0.21	0.0	-1.83e-03	0.01
135	10	0.05	0.33	1.35e-06	0.0	0.0	-8.72	-0.01	-0.62	0.0	0.33	0.05
		0.04	2.56e-03	1.48e-05	0.41	80.0	-8.23	-0.01	-0.21	0.0	2.56e-03	0.04
135	11	0.01	0.52	0.0	0.0	0.0	-10.19	1.92e-03	-1.01	0.0	0.52	9.20e-03
		9.20e-03	-0.02	2.24e-05	0.68	80.0	-9.71	1.92e-03	-0.33	0.0	-0.02	0.01
135	12	0.04	0.52	1.02e-06	0.0	0.0	-9.15	-7.23e-03	-1.01	0.0	0.52	0.04
		0.03	-0.01	2.26e-05	0.68	80.0	-8.67	-7.23e-03	-0.33	0.0	-0.01	0.03
135	13	0.01	0.04	0.0	0.0	0.0	-10.23	1.80e-03	-0.03	0.0	0.04	9.65e-03
		9.65e-03	0.02	2.77e-06	0.0	80.0	-9.74	1.80e-03	-0.03	0.0	0.02	0.01
135	14	0.03	0.05	0.0	0.0	0.0	-9.48	-4.74e-03	-0.03	0.0	0.05	0.03
		0.03	0.02	2.91e-06	0.0	80.0	-9.00	-4.74e-03	-0.03	0.0	0.02	0.03
135	15	0.01	0.14	0.0	0.0	0.0	-10.22	1.82e-03	-0.22	0.0	0.14	9.56e-03
		9.56e-03	0.01	6.69e-06	0.14	80.0	-9.73	1.82e-03	-0.09	0.0	0.01	0.01
135	16	0.02	0.14	0.0	0.0	0.0	-9.78	-2.10e-03	-0.22	0.0	0.14	0.02
		0.02	0.01	6.78e-06	0.14	80.0	-9.29	-2.10e-03	-0.09	0.0	0.01	0.02
135	17	0.01	0.04	0.0	0.0	0.0	-10.23	1.80e-03	-0.03	0.0	0.04	9.65e-03
		9.65e-03	0.02	2.77e-06	0.0	80.0	-9.74	1.80e-03	-0.03	0.0	0.02	0.01

135	18	0.02	0.05	0.0	0.0	0.0	-9.78	-2.12e-03	-0.03	0.0	0.05	0.02
		0.02	0.02	2.85e-06	0.0	80.0	-9.29	-2.12e-03	-0.03	0.0	0.02	0.02
135	19	-1.19	-1.06	-3.90e-05	0.0	0.0	-120.29	0.53	0.69	0.0	-1.61	-1.59
		-1.59	-1.61	-1.08e-04	0.0	80.0	-119.80	0.53	0.69	0.0	-1.06	-1.19
135	20	-1.23	-0.87	-4.06e-05	0.0	0.0	-116.82	0.51	0.56	0.0	-1.32	-1.66
		-1.66	-1.32	-8.90e-05	0.0	80.0	-116.33	0.51	0.56	0.0	-0.87	-1.23
135	21	1.70	1.41	4.18e-05	0.0	0.0	97.26	-0.52	-0.62	0.0	1.41	1.70
		1.28	0.92	9.47e-05	0.0	80.0	97.74	-0.52	-0.62	0.0	0.92	1.28
135	22	1.64	1.70	4.02e-05	0.0	0.0	100.72	-0.54	-0.74	0.0	1.70	1.64
		1.23	1.10	1.14e-04	0.0	80.0	101.21	-0.54	-0.74	0.0	1.10	1.23
135	51	-0.89	-0.81	-2.93e-05	0.0	0.0	-93.60	0.40	0.52	0.0	-1.22	-1.20
		-1.20	-1.22	-8.26e-05	0.0	80.0	-93.12	0.40	0.52	0.0	-0.81	-0.89
135	52	-0.93	-0.64	-3.07e-05	0.0	0.0	-90.63	0.39	0.41	0.0	-0.96	-1.25
		-1.25	-0.96	-6.51e-05	0.0	80.0	-90.14	0.39	0.41	0.0	-0.64	-0.93
135	53	1.30	1.05	3.19e-05	0.0	0.0	71.07	-0.39	-0.46	0.0	1.05	1.30
		0.97	0.68	7.08e-05	0.0	80.0	71.56	-0.39	-0.46	0.0	0.68	0.97
135	54	1.24	1.31	3.05e-05	0.0	0.0	74.04	-0.41	-0.58	0.0	1.31	1.24
		0.93	0.85	8.83e-05	0.0	80.0	74.53	-0.41	-0.58	0.0	0.85	0.93
135	83	-0.79	-0.72	-2.60e-05	0.0	0.0	-84.36	0.36	0.46	0.0	-1.09	-1.06
		-1.06	-1.09	-7.32e-05	0.0	80.0	-83.87	0.36	0.46	0.0	-0.72	-0.79
135	84	-0.83	-0.56	-2.72e-05	0.0	0.0	-81.68	0.34	0.36	0.0	-0.85	-1.11
		-1.11	-0.85	-5.75e-05	0.0	80.0	-81.20	0.34	0.36	0.0	-0.56	-0.83
135	85	1.16	0.94	2.84e-05	0.0	0.0	62.12	-0.35	-0.41	0.0	0.94	1.16
		0.87	0.61	6.32e-05	0.0	80.0	62.61	-0.35	-0.41	0.0	0.61	0.87
135	86	1.11	1.18	2.72e-05	0.0	0.0	64.80	-0.36	-0.52	0.0	1.18	1.11
		0.83	0.76	7.89e-05	0.0	80.0	65.28	-0.36	-0.52	0.0	0.76	0.83
135	115	-1.39	-1.24	-4.59e-05	0.0	0.0	-139.23	0.62	0.81	0.0	-1.88	-1.87
		-1.87	-1.88	-1.27e-04	0.0	80.0	-138.74	0.62	0.81	0.0	-1.24	-1.39
135	116	-1.45	-1.03	-4.76e-05	0.0	0.0	-135.27	0.60	0.66	0.0	-1.56	-1.95
		-1.95	-1.56	-1.05e-04	0.0	80.0	-134.79	0.60	0.66	0.0	-1.03	-1.45
135	117	1.99	1.65	4.88e-05	0.0	0.0	115.71	-0.60	-0.72	0.0	1.65	1.99
		1.49	1.07	1.11e-04	0.0	80.0	116.20	-0.60	-0.72	0.0	1.07	1.49
135	118	1.92	1.97	4.71e-05	0.0	0.0	119.66	-0.63	-0.86	0.0	1.97	1.92
		1.44	1.28	1.33e-04	0.0	80.0	120.15	-0.63	-0.86	0.0	1.28	1.44
136	2	0.77	0.15	-3.52e-05	0.0	0.0	-78.21	0.26	-0.11	0.0	0.15	-0.17
		-0.17	-0.25	1.65e-04	0.0	360.0	-75.36	0.26	-0.11	0.0	-0.25	0.77
136	3	0.20	0.07	9.72e-06	0.0	0.0	-26.01	0.06	-0.05	0.0	0.07	-0.03
		-0.03	-0.09	8.86e-05	0.0	360.0	-23.81	0.06	-0.05	0.0	-0.09	0.20
136	6	0.62	0.16	-2.41e-05	0.0	0.0	-66.06	0.21	-0.11	0.0	0.16	-0.12
		-0.12	-0.23	1.78e-04	0.0	360.0	-63.21	0.21	-0.11	0.0	-0.23	0.62
136	9	0.19	0.06	-7.54e-06	0.0	0.0	-25.33	0.06	-0.04	0.0	0.06	-0.04
		-0.04	-0.08	7.24e-05	0.0	360.0	-23.14	0.06	-0.04	0.0	-0.08	0.19
136	10	0.54	0.11	-2.49e-05	0.0	0.0	-55.34	0.18	-0.08	0.0	0.11	-0.12
		-0.12	-0.17	1.16e-04	0.0	360.0	-53.14	0.18	-0.08	0.0	-0.17	0.54
136	12	0.44	0.11	-1.74e-05	0.0	0.0	-47.24	0.15	-0.07	0.0	0.11	-0.09
		-0.09	-0.16	1.24e-04	0.0	360.0	-45.04	0.15	-0.07	0.0	-0.16	0.44
136	13	0.19	0.04	-1.12e-05	0.0	0.0	-23.98	0.07	-0.03	0.0	0.04	-0.05
		-0.05	-0.06	4.02e-05	0.0	360.0	-21.78	0.07	-0.03	0.0	-0.06	0.19
136	14	0.36	0.06	-2.00e-05	0.0	0.0	-38.98	0.12	-0.05	0.0	0.06	-0.09
		-0.09	-0.11	6.20e-05	0.0	360.0	-36.79	0.12	-0.05	0.0	-0.11	0.36
136	17	0.19	0.04	-1.12e-05	0.0	0.0	-23.98	0.07	-0.03	0.0	0.04	-0.05
		-0.05	-0.06	4.02e-05	0.0	360.0	-21.78	0.07	-0.03	0.0	-0.06	0.19
136	18	0.29	0.05	-1.65e-05	0.0	0.0	-32.98	0.10	-0.04	0.0	0.05	-0.07
		-0.07	-0.09	5.33e-05	0.0	360.0	-30.78	0.10	-0.04	0.0	-0.09	0.29
136	19	9.76	-0.06	-0.01	0.0	0.0	112.55	8.19	0.15	0.0	-0.60	-19.38
		-19.38	-0.60	-1.10e-03	0.0	360.0	114.75	8.19	0.15	0.0	-0.06	9.76
136	22	19.23	0.70	0.01	0.0	0.0	-178.51	-7.99	-0.23	0.0	0.70	19.23
		-9.18	-0.12	1.20e-03	0.0	360.0	-176.31	-7.99	-0.23	0.0	-0.12	-9.18
136	27	11.05	-0.07	-0.01	0.0	0.0	88.15	8.58	0.12	0.0	-0.49	-19.50
		-19.50	-0.49	-9.09e-04	0.0	360.0	90.34	8.58	0.12	0.0	-0.07	11.05
136	30	19.35	0.59	0.01	0.0	0.0	-154.11	-8.38	-0.20	0.0	0.59	19.35
		-10.47	-0.12	1.01e-03	0.0	360.0	-151.91	-8.38	-0.20	0.0	-0.12	-10.47
136	51	7.44	-0.07	-8.04e-03	0.0	0.0	78.22	6.22	0.10	0.0	-0.45	-14.67
		-14.67	-0.45	-8.29e-04	0.0	360.0	80.41	6.22	0.10	0.0	-0.07	7.44
136	54	14.52	0.55	8.04e-03	0.0	0.0	-144.17	-6.02	-0.18	0.0	0.55	14.52
		-6.86	-0.11	9.35e-04	0.0	360.0	-141.98	-6.02	-0.18	0.0	-0.11	-6.86
136	59	8.48	-0.07	-8.00e-03	0.0	0.0	60.43	6.56	0.08	0.0	-0.37	-14.86
		-14.86	-0.37	-6.91e-04	0.0	360.0	62.63	6.56	0.08	0.0	-0.07	8.48
136	62	14.72	0.47	8.00e-03	0.0	0.0	-126.39	-6.36	-0.16	0.0	0.47	14.72
		-7.90	-0.11	7.97e-04	0.0	360.0	-124.19	-6.36	-0.16	0.0	-0.11	-7.90
136	83	6.65	-0.07	-7.15e-03	0.0	0.0	66.01	5.54	0.09	0.0	-0.39	-13.05
		-13.05	-0.39	-7.32e-04	0.0	360.0	68.20	5.54	0.09	0.0	-0.07	6.65
136	86	12.90	0.50	7.15e-03	0.0	0.0	-131.97	-5.34	-0.17	0.0	0.50	12.90
		-6.07	-0.11	8.38e-04	0.0	360.0	-129.77	-5.34	-0.17	0.0	-0.11	-6.07
136	91	7.57	-0.07	-7.11e-03	0.0	0.0	50.17	5.85	0.07	0.0	-0.32	-13.22

		-13.22	-0.32	-6.10e-04	0.0	360.0	52.36	5.85	0.07	0.0	-0.07	7.57
136	94	13.08	0.43	7.11e-03	0.0	0.0	-116.13	-5.64	-0.15	0.0	0.43	13.08
		-6.99	-0.11	7.16e-04	0.0	360.0	-113.93	-5.64	-0.15	0.0	-0.11	-6.99
136	115	11.39	-0.06	-0.01	0.0	0.0	137.21	9.58	0.18	0.0	-0.71	-22.70
		-22.70	-0.71	-1.29e-03	0.0	360.0	139.41	9.58	0.18	0.0	-0.06	11.39
136	118	22.56	0.81	0.01	0.0	0.0	-203.17	-9.38	-0.26	0.0	0.81	22.56
		-10.81	-0.13	1.40e-03	0.0	360.0	-200.97	-9.38	-0.26	0.0	-0.13	-10.81
137	2	0.09	1.13	2.09e-05	0.0	0.0	-23.51	-0.05	0.10	0.0	-0.29	0.09
		3.85e-03	-0.29	-9.88e-05	1.38	180.0	-22.08	-0.05	1.48	0.0	1.13	3.85e-03
137	5	0.03	1.45	7.93e-06	0.0	0.0	-16.79	-0.02	-0.22	0.0	-0.22	0.03
		-6.57e-03	-0.24	-2.88e-05	2.29	180.0	-15.37	-0.02	2.08	0.0	1.45	-6.57e-03
137	6	0.07	1.60	1.69e-05	0.0	0.0	-21.45	-0.04	-0.09	0.0	-0.32	0.07
		7.23e-04	-0.32	-7.27e-05	2.29	180.0	-20.02	-0.04	2.21	0.0	1.60	7.23e-04
137	7	0.03	1.42	6.07e-06	0.0	0.0	-12.88	-0.02	-0.24	0.0	-0.21	0.03
		-5.05e-03	-0.23	-2.15e-05	2.29	180.0	-11.78	-0.02	2.05	0.0	1.42	-5.05e-03
137	10	0.06	0.76	1.47e-05	0.0	0.0	-17.41	-0.03	0.08	0.0	-0.20	0.06
		1.90e-03	-0.20	-6.95e-05	0.92	180.0	-16.31	-0.03	1.00	0.0	0.76	1.90e-03
137	11	0.03	0.98	6.12e-06	0.0	0.0	-12.93	-0.02	-0.13	0.0	-0.16	0.03
		-5.05e-03	-0.17	-2.25e-05	1.53	180.0	-11.84	-0.02	1.40	0.0	0.98	-5.05e-03
137	12	0.05	1.08	1.21e-05	0.0	0.0	-16.04	-0.03	-0.05	0.0	-0.22	0.05
		-1.91e-04	-0.22	-5.19e-05	1.53	180.0	-14.94	-0.03	1.48	0.0	1.08	-1.91e-04
137	14	0.04	0.16	1.05e-05	0.0	0.0	-15.25	-0.03	0.14	0.0	-0.09	0.04
		-1.57e-03	-0.09	-5.52e-05	0.0	180.0	-14.16	-0.03	0.14	0.0	0.16	-1.57e-03
137	15	0.03	0.27	6.20e-06	0.0	0.0	-13.01	-0.02	0.04	0.0	-0.07	0.03
		-5.04e-03	-0.07	-2.57e-05	0.31	180.0	-11.92	-0.02	0.34	0.0	0.27	-5.04e-03
137	16	0.04	0.31	8.77e-06	0.0	0.0	-14.34	-0.02	0.08	0.0	-0.10	0.04
		-2.96e-03	-0.10	-4.06e-05	0.31	180.0	-13.25	-0.02	0.38	0.0	0.31	-2.96e-03
137	17	0.03	0.09	6.22e-06	0.0	0.0	-13.03	-0.02	0.08	0.0	-0.05	0.03
		-5.04e-03	-0.05	-2.95e-05	0.0	180.0	-11.94	-0.02	0.08	0.0	0.09	-5.04e-03
137	18	0.04	0.14	8.79e-06	0.0	0.0	-14.37	-0.02	0.12	0.0	-0.08	0.04
		-2.96e-03	-0.08	-4.49e-05	0.0	180.0	-13.27	-0.02	0.12	0.0	0.14	-2.96e-03
137	20	-0.29	0.97	-2.95e-04	0.0	0.0	96.10	0.51	0.48	0.0	0.12	-1.22
		-1.22	0.12	1.29e-04	0.0	180.0	97.20	0.51	0.48	0.0	0.97	-0.29
137	21	1.29	-0.27	3.12e-04	0.0	0.0	-124.83	-0.56	-0.24	0.0	-0.27	1.29
		0.28	-0.70	-2.19e-04	0.0	180.0	-123.74	-0.56	-0.24	0.0	-0.70	0.28
137	24	-0.29	0.98	-2.86e-04	0.0	0.0	94.74	0.51	0.48	0.0	0.12	-1.18
		-1.18	0.12	1.31e-04	0.0	180.0	95.84	0.51	0.48	0.0	0.98	-0.29
137	25	1.26	-0.27	3.03e-04	0.0	0.0	-123.47	-0.55	-0.25	0.0	-0.27	1.26
		0.29	-0.71	-2.20e-04	0.0	180.0	-122.37	-0.55	-0.25	0.0	-0.71	0.29
137	52	-0.22	0.78	-2.22e-04	0.0	0.0	69.53	0.38	0.39	0.0	0.07	-0.92
		-0.92	0.07	8.82e-05	0.0	180.0	70.62	0.38	0.39	0.0	0.78	-0.22
137	53	0.99	-0.22	2.39e-04	0.0	0.0	-98.26	-0.43	-0.16	0.0	-0.22	0.99
		0.21	-0.51	-1.78e-04	0.0	180.0	-97.16	-0.43	-0.16	0.0	-0.51	0.21
137	56	-0.22	0.79	-2.14e-04	0.0	0.0	68.30	0.38	0.40	0.0	0.07	-0.88
		-0.88	0.07	8.90e-05	0.0	180.0	69.40	0.38	0.40	0.0	0.79	-0.22
137	57	0.96	-0.23	2.31e-04	0.0	0.0	-97.03	-0.42	-0.16	0.0	-0.23	0.96
		0.22	-0.51	-1.79e-04	0.0	180.0	-95.94	-0.42	-0.16	0.0	-0.51	0.22
137	84	-0.20	0.71	-1.96e-04	0.0	0.0	60.28	0.34	0.36	0.0	0.05	-0.81
		-0.81	0.05	7.35e-05	0.0	180.0	61.38	0.34	0.36	0.0	0.71	-0.20
137	85	0.89	-0.21	2.14e-04	0.0	0.0	-89.01	-0.38	-0.13	0.0	-0.21	0.89
		0.19	-0.44	-1.63e-04	0.0	180.0	-87.92	-0.38	-0.13	0.0	-0.44	0.19
137	88	-0.20	0.71	-1.89e-04	0.0	0.0	59.18	0.33	0.37	0.0	0.05	-0.78
		-0.78	0.05	7.43e-05	0.0	180.0	60.27	0.33	0.37	0.0	0.71	-0.20
137	89	0.86	-0.21	2.07e-04	0.0	0.0	-87.91	-0.38	-0.13	0.0	-0.21	0.86
		0.19	-0.44	-1.64e-04	0.0	180.0	-86.81	-0.38	-0.13	0.0	-0.44	0.19
137	116	-0.34	1.11	-3.46e-04	0.0	0.0	115.00	0.60	0.54	0.0	0.15	-1.43
		-1.43	0.15	1.59e-04	0.0	180.0	116.10	0.60	0.54	0.0	1.11	-0.34
137	117	1.51	-0.30	3.64e-04	0.0	0.0	-143.73	-0.65	-0.30	0.0	-0.30	1.51
		0.33	-0.84	-2.49e-04	0.0	180.0	-142.64	-0.65	-0.30	0.0	-0.84	0.33
137	120	-0.34	1.12	-3.36e-04	0.0	0.0	113.47	0.60	0.54	0.0	0.15	-1.39
		-1.39	0.15	1.60e-04	0.0	180.0	114.56	0.60	0.54	0.0	1.12	-0.34
137	121	1.46	-0.30	3.54e-04	0.0	0.0	-142.20	-0.64	-0.31	0.0	-0.30	1.46
		0.34	-0.85	-2.50e-04	0.0	180.0	-141.10	-0.64	-0.31	0.0	-0.85	0.34
138	1	0.02	0.68	3.69e-06	0.0	0.0	-12.63	2.45e-03	-0.31	0.0	-6.96e-03	0.01
		0.01	-0.07	7.34e-05	1.38	180.0	-11.21	2.45e-03	1.07	0.0	0.68	0.02
138	2	0.06	0.69	1.59e-05	0.0	0.0	-10.40	-0.02	-0.31	0.0	-3.62e-04	0.06
		0.03	-0.06	7.84e-05	1.38	180.0	-8.98	-0.02	1.07	0.0	0.69	0.03
138	4	0.06	0.70	1.50e-05	0.0	0.0	-7.48	-0.02	-0.30	0.0	-6.68e-03	0.06
		0.03	-0.06	7.46e-05	1.38	180.0	-6.38	-0.02	1.08	0.0	0.70	0.03
138	7	0.01	1.17	2.77e-06	0.0	0.0	-9.69	1.99e-03	-0.48	0.0	-0.04	0.01
		0.01	-0.12	1.08e-04	2.29	180.0	-8.59	1.99e-03	1.82	0.0	1.17	0.01
138	8	0.05	1.17	1.13e-05	0.0	0.0	-8.13	-0.01	-0.48	0.0	-0.03	0.05
		0.02	-0.12	1.11e-04	2.29	180.0	-7.03	-0.01	1.82	0.0	1.17	0.02
138	9	0.01	0.45	2.85e-06	0.0	0.0	-9.72	1.87e-03	-0.21	0.0	-1.83e-03	0.01
		0.01	-0.04	5.06e-05	0.92	180.0	-8.62	1.87e-03	0.71	0.0	0.45	0.01

138	10	0.04	0.45	1.10e-05	0.0	0.0	-8.23	-0.01	-0.21	0.0	2.56e-03	0.04
		0.02	-0.04	5.40e-05	0.92	180.0	-7.14	-0.01	0.71	0.0	0.45	0.02
138	11	0.01	0.77	2.81e-06	0.0	0.0	-9.71	1.92e-03	-0.33	0.0	-0.02	0.01
		0.01	-0.08	7.60e-05	1.53	180.0	-8.61	1.92e-03	1.20	0.0	0.77	0.01
138	12	0.03	0.77	8.49e-06	0.0	0.0	-8.67	-7.23e-03	-0.33	0.0	-0.01	0.03
		0.02	-0.08	7.83e-05	1.53	180.0	-7.57	-7.23e-03	1.20	0.0	0.77	0.02
138	13	0.01	0.02	2.90e-06	0.0	0.0	-9.74	1.80e-03	-0.03	0.0	0.02	0.01
		0.01	-0.03	1.26e-05	0.0	180.0	-8.64	1.80e-03	-0.03	0.0	-0.03	0.01
138	14	0.03	0.02	6.96e-06	0.0	0.0	-9.00	-4.74e-03	-0.03	0.0	0.02	0.03
		0.02	-0.03	1.43e-05	0.0	180.0	-7.90	-4.74e-03	-0.03	0.0	-0.03	0.02
138	15	0.01	0.13	2.88e-06	0.0	0.0	-9.73	1.82e-03	-0.09	0.0	0.01	0.01
		0.01	-9.33e-03	2.53e-05	0.31	180.0	-8.64	1.82e-03	0.22	0.0	0.13	0.01
138	16	0.02	0.13	5.32e-06	0.0	0.0	-9.29	-2.10e-03	-0.09	0.0	0.01	0.02
		0.02	-7.84e-03	2.63e-05	0.31	180.0	-8.19	-2.10e-03	0.22	0.0	0.13	0.02
138	17	0.01	0.02	2.90e-06	0.0	0.0	-9.74	1.80e-03	-0.03	0.0	0.02	0.01
		0.01	-0.03	1.26e-05	0.0	180.0	-8.64	1.80e-03	-0.03	0.0	-0.03	0.01
138	18	0.02	0.02	5.33e-06	0.0	0.0	-9.29	-2.12e-03	-0.03	0.0	0.02	0.02
		0.02	-0.03	1.36e-05	0.0	180.0	-8.20	-2.12e-03	-0.03	0.0	-0.03	0.02
138	19	-0.27	0.18	-2.87e-04	0.0	0.0	-119.80	0.53	0.69	0.0	-1.06	-1.19
		-1.19	-1.06	-7.06e-04	0.0	180.0	-118.70	0.53	0.69	0.0	0.18	-0.27
138	20	-0.28	0.13	-2.98e-04	0.0	0.0	-116.33	0.51	0.56	0.0	-0.87	-1.23
		-1.23	-0.87	-5.81e-04	0.0	180.0	-115.24	0.51	0.56	0.0	0.13	-0.28
138	21	1.28	0.92	3.09e-04	0.0	0.0	97.74	-0.52	-0.62	0.0	0.92	1.28
		0.31	-0.19	6.08e-04	0.0	180.0	98.84	-0.52	-0.62	0.0	-0.19	0.31
138	22	1.23	1.10	2.97e-04	0.0	0.0	101.21	-0.54	-0.74	0.0	1.10	1.23
		0.30	-0.24	7.33e-04	0.0	180.0	102.31	-0.54	-0.74	0.0	-0.24	0.30
138	51	-0.20	0.13	-2.15e-04	0.0	0.0	-93.12	0.40	0.52	0.0	-0.81	-0.89
		-0.89	-0.81	-5.39e-04	0.0	180.0	-92.02	0.40	0.52	0.0	0.13	-0.20
138	52	-0.21	0.09	-2.25e-04	0.0	0.0	-90.14	0.39	0.41	0.0	-0.64	-0.93
		-0.93	-0.64	-4.26e-04	0.0	180.0	-89.05	0.39	0.41	0.0	0.09	-0.21
138	53	0.97	0.68	2.36e-04	0.0	0.0	71.56	-0.39	-0.46	0.0	0.68	0.97
		0.24	-0.15	4.53e-04	0.0	180.0	72.65	-0.39	-0.46	0.0	-0.15	0.24
138	54	0.93	0.85	2.26e-04	0.0	0.0	74.53	-0.41	-0.58	0.0	0.85	0.93
		0.23	-0.19	5.66e-04	0.0	180.0	75.62	-0.41	-0.58	0.0	-0.19	0.23
138	83	-0.17	0.12	-1.91e-04	0.0	0.0	-83.87	0.36	0.46	0.0	-0.72	-0.79
		-0.79	-0.72	-4.79e-04	0.0	180.0	-82.78	0.36	0.46	0.0	0.12	-0.17
138	84	-0.18	0.08	-2.00e-04	0.0	0.0	-81.20	0.34	0.36	0.0	-0.56	-0.83
		-0.83	-0.56	-3.77e-04	0.0	180.0	-80.10	0.34	0.36	0.0	0.08	-0.18
138	85	0.87	0.61	2.10e-04	0.0	0.0	62.61	-0.35	-0.41	0.0	0.61	0.87
		0.22	-0.13	4.04e-04	0.0	180.0	63.70	-0.35	-0.41	0.0	-0.13	0.22
138	86	0.83	0.76	2.01e-04	0.0	0.0	65.28	-0.36	-0.52	0.0	0.76	0.83
		0.21	-0.17	5.06e-04	0.0	180.0	66.38	-0.36	-0.52	0.0	-0.17	0.21
138	115	-0.32	0.22	-3.37e-04	0.0	0.0	-138.74	0.62	0.81	0.0	-1.24	-1.39
		-1.39	-1.24	-8.26e-04	0.0	180.0	-137.64	0.62	0.81	0.0	0.22	-0.32
138	116	-0.33	0.16	-3.50e-04	0.0	0.0	-134.79	0.60	0.66	0.0	-1.03	-1.45
		-1.45	-1.03	-6.86e-04	0.0	180.0	-133.69	0.60	0.66	0.0	0.16	-0.33
138	117	1.49	1.07	3.61e-04	0.0	0.0	116.20	-0.60	-0.72	0.0	1.07	1.49
		0.37	-0.21	7.13e-04	0.0	180.0	117.29	-0.60	-0.72	0.0	-0.21	0.37
138	118	1.44	1.28	3.48e-04	0.0	0.0	120.15	-0.63	-0.86	0.0	1.28	1.44
		0.35	-0.28	8.54e-04	0.0	180.0	121.25	-0.63	-0.86	0.0	-0.28	0.35
139	2	2.78	0.07	-1.11e-04	0.0	0.0	-38.90	0.93	-0.07	1.93e-05	0.07	-0.55
		-0.55	-0.18	6.09e-05	0.0	360.0	-36.05	0.93	-0.07	1.93e-05	-0.18	2.78
139	3	0.69	0.04	2.86e-05	0.0	0.0	-14.86	0.22	-0.03	2.72e-06	0.04	-0.12
		-0.12	-0.07	4.34e-05	0.0	360.0	-12.67	0.22	-0.03	2.72e-06	-0.07	0.69
139	6	2.22	0.08	-8.36e-05	0.0	0.0	-33.05	0.73	-0.07	1.23e-05	0.08	-0.42
		-0.42	-0.17	7.16e-05	0.0	360.0	-30.19	0.73	-0.07	1.23e-05	-0.17	2.22
139	9	0.68	0.04	-2.57e-05	0.0	0.0	-14.85	0.23	-0.03	4.02e-06	0.04	-0.13
		-0.13	-0.07	3.54e-05	0.0	360.0	-12.66	0.23	-0.03	4.02e-06	-0.07	0.68
139	10	1.94	0.05	-7.77e-05	0.0	0.0	-27.91	0.65	-0.05	1.37e-05	0.05	-0.39
		-0.39	-0.13	4.33e-05	0.0	360.0	-25.72	0.65	-0.05	1.37e-05	-0.13	1.94
139	12	1.57	0.06	-5.96e-05	0.0	0.0	-24.01	0.52	-0.05	9.08e-06	0.06	-0.30
		-0.30	-0.12	5.05e-05	0.0	360.0	-21.81	0.52	-0.05	9.08e-06	-0.12	1.57
139	13	0.67	0.02	-2.99e-05	0.0	0.0	-14.83	0.23	-0.02	6.62e-06	0.02	-0.14
		-0.14	-0.06	2.05e-05	0.0	360.0	-12.64	0.23	-0.02	6.62e-06	-0.06	0.67
139	14	1.30	0.03	-5.58e-05	0.0	0.0	-21.36	0.44	-0.03	1.15e-05	0.03	-0.27
		-0.27	-0.09	2.54e-05	0.0	360.0	-19.16	0.44	-0.03	1.15e-05	-0.09	1.30
139	16	1.05	0.03	-4.37e-05	0.0	0.0	-18.75	0.35	-0.03	8.66e-06	0.03	-0.22
		-0.22	-0.08	2.77e-05	0.0	360.0	-16.56	0.35	-0.03	8.66e-06	-0.08	1.05
139	17	0.67	0.02	-2.99e-05	0.0	0.0	-14.83	0.23	-0.02	6.62e-06	0.02	-0.14
		-0.14	-0.06	2.05e-05	0.0	360.0	-12.64	0.23	-0.02	6.62e-06	-0.06	0.67
139	18	1.05	0.03	-4.54e-05	0.0	0.0	-18.75	0.35	-0.03	9.53e-06	0.03	-0.22
		-0.22	-0.07	2.34e-05	0.0	360.0	-16.55	0.35	-0.03	9.53e-06	-0.07	1.05
139	19	4.30	0.63	-8.46e-03	0.0	0.0	-18.92	5.26	-0.21	-0.14	0.63	-14.51
		-14.51	-0.12	1.07e-03	0.0	360.0	-16.72	5.26	-0.21	-0.14	-0.12	4.30
139	22	14.07	-0.02	8.50e-03	0.0	0.0	-18.57	-4.55	0.15	0.14	-0.57	14.07

		-2.19	-0.57	-1.03e-03	0.0	360.0	-16.38	-4.55	0.15	0.14	-0.02	-2.19
139	24	4.37	0.75	-8.41e-03	0.0	0.0	-19.37	5.22	-0.26	0.17	0.75	-14.43
		-14.43	-0.18	1.25e-03	0.0	360.0	-17.18	5.22	-0.26	0.17	-0.18	4.37
139	25	13.99	0.03	8.46e-03	0.0	0.0	-18.12	-4.51	0.20	-0.17	-0.69	13.99
		-2.27	-0.69	-1.22e-03	0.0	360.0	-15.93	-4.51	0.20	-0.17	0.03	-2.27
139	44	1.81	0.43	-2.66e-03	0.0	0.0	-19.65	1.95	-0.18	0.58	0.43	-4.77
		-4.77	-0.20	6.81e-04	0.0	360.0	-17.45	1.95	-0.18	0.58	-0.20	1.81
139	45	4.32	0.06	2.70e-03	0.0	0.0	-17.84	-1.24	0.12	-0.58	-0.37	4.32
		0.29	-0.37	-6.43e-04	0.0	360.0	-15.65	-1.24	0.12	-0.58	0.06	0.29
139	51	3.52	0.47	-6.39e-03	0.0	0.0	-18.84	4.07	-0.16	-0.09	0.47	-11.03
		-11.03	-0.11	7.98e-04	0.0	360.0	-16.65	4.07	-0.16	-0.09	-0.11	3.52
139	54	10.59	-0.04	6.43e-03	0.0	0.0	-18.65	-3.36	0.10	0.09	-0.42	10.59
		-1.42	-0.42	-7.60e-04	0.0	360.0	-16.45	-3.36	0.10	0.09	-0.04	-1.42
139	56	3.59	0.58	-6.35e-03	0.0	0.0	-19.25	4.03	-0.21	0.10	0.58	-10.97
		-10.97	-0.16	9.66e-04	0.0	360.0	-17.06	4.03	-0.21	0.10	-0.16	3.59
139	57	10.52	0.01	6.40e-03	0.0	0.0	-18.24	-3.33	0.15	-0.10	-0.52	10.52
		-1.49	-0.52	-9.28e-04	0.0	360.0	-16.05	-3.33	0.15	-0.10	0.01	-1.49
139	76	1.62	0.36	-2.01e-03	0.0	0.0	-19.53	1.57	-0.15	0.35	0.36	-3.67
		-3.67	-0.19	5.67e-04	0.0	360.0	-17.34	1.57	-0.15	0.35	-0.19	1.62
139	77	3.22	0.04	2.05e-03	0.0	0.0	-17.96	-0.86	0.10	-0.35	-0.31	3.22
		0.48	-0.31	-5.29e-04	0.0	360.0	-15.76	-0.86	0.10	-0.35	0.04	0.48
139	83	3.25	0.42	-5.68e-03	0.0	0.0	-18.83	3.66	-0.15	-0.08	0.42	-9.84
		-9.84	-0.10	7.11e-04	0.0	360.0	-16.64	3.66	-0.15	-0.08	-0.10	3.25
139	86	9.39	-0.04	5.72e-03	0.0	0.0	-18.66	-2.95	0.09	0.08	-0.37	9.39
		-1.15	-0.37	-6.73e-04	0.0	360.0	-16.47	-2.95	0.09	0.08	-0.04	-1.15
139	88	3.31	0.52	-5.65e-03	0.0	0.0	-19.20	3.63	-0.19	0.08	0.52	-9.78
		-9.78	-0.15	8.63e-04	0.0	360.0	-17.00	3.63	-0.19	0.08	-0.15	3.31
139	89	9.33	2.97e-03	5.69e-03	0.0	0.0	-18.29	-2.92	0.13	-0.08	-0.46	9.33
		-1.21	-0.46	-8.24e-04	0.0	360.0	-16.10	-2.92	0.13	-0.08	2.97e-03	-1.21
139	108	1.56	0.33	-1.78e-03	0.0	0.0	-19.46	1.43	-0.14	0.30	0.33	-3.29
		-3.29	-0.18	5.11e-04	0.0	360.0	-17.26	1.43	-0.14	0.30	-0.18	1.56
139	109	2.84	0.03	1.83e-03	0.0	0.0	-18.03	-0.73	0.08	-0.30	-0.27	2.84
		0.54	-0.27	-4.72e-04	0.0	360.0	-15.84	-0.73	0.08	-0.30	0.03	0.54
139	115	4.85	0.73	-9.92e-03	0.0	0.0	-18.96	6.10	-0.24	-0.18	0.73	-16.97
		-16.97	-0.13	1.25e-03	0.0	360.0	-16.76	6.10	-0.24	-0.18	-0.13	4.85
139	118	16.53	-0.01	9.96e-03	0.0	0.0	-18.54	-5.39	0.18	0.18	-0.68	16.53
		-2.75	-0.68	-1.21e-03	0.0	360.0	-16.34	-5.39	0.18	0.18	-0.01	-2.75
139	120	4.94	0.87	-9.87e-03	0.0	0.0	-19.47	6.05	-0.30	0.21	0.87	-16.88
		-16.88	-0.20	1.46e-03	0.0	360.0	-17.28	6.05	-0.30	0.21	-0.20	4.94
139	121	16.43	0.05	9.91e-03	0.0	0.0	-18.02	-5.35	0.24	-0.21	-0.81	16.43
		-2.84	-0.81	-1.42e-03	0.0	360.0	-15.83	-5.35	0.24	-0.21	0.05	-2.84
139	140	1.95	0.49	-3.12e-03	0.0	0.0	-19.77	2.22	-0.20	0.76	0.49	-5.55
		-5.55	-0.22	7.80e-04	0.0	360.0	-17.58	2.22	-0.20	0.76	-0.22	1.95
139	141	5.11	0.07	3.17e-03	0.0	0.0	-17.72	-1.51	0.14	-0.76	-0.43	5.11
		0.16	-0.43	-7.41e-04	0.0	360.0	-15.53	-1.51	0.14	-0.76	0.07	0.16
140	2	0.84	0.12	5.94e-05	0.0	0.0	-20.71	0.26	-0.07	0.0	0.12	-0.11
		-0.11	-0.13	1.61e-04	0.0	360.0	-17.86	0.26	-0.07	0.0	-0.13	0.84
140	3	0.21	0.07	2.36e-05	0.0	0.0	-10.79	0.06	-0.04	0.0	0.07	-0.01
		-0.01	-0.07	8.83e-05	0.0	360.0	-8.60	0.06	-0.04	0.0	-0.07	0.21
140	6	0.68	0.13	5.99e-05	0.0	0.0	-18.73	0.21	-0.07	0.0	0.13	-0.07
		-0.07	-0.14	1.76e-04	0.0	360.0	-15.88	0.21	-0.07	0.0	-0.14	0.68
140	9	0.21	0.05	1.83e-05	0.0	0.0	-10.78	0.06	-0.03	0.0	0.05	-0.02
		-0.02	-0.06	7.17e-05	0.0	360.0	-8.58	0.06	-0.03	0.0	-0.06	0.21
140	10	0.59	0.09	4.06e-05	0.0	0.0	-15.24	0.18	-0.05	0.0	0.09	-0.08
		-0.08	-0.09	1.12e-04	0.0	360.0	-13.04	0.18	-0.05	0.0	-0.09	0.59
140	12	0.48	0.09	4.10e-05	0.0	0.0	-13.92	0.15	-0.05	0.0	0.09	-0.05
		-0.05	-0.10	1.22e-04	0.0	360.0	-11.73	0.15	-0.05	0.0	-0.10	0.48
140	13	0.20	0.03	7.77e-06	0.0	0.0	-10.75	0.07	-0.02	0.0	0.03	-0.04
		-0.04	-0.04	3.83e-05	0.0	360.0	-8.56	0.07	-0.02	0.0	-0.04	0.20
140	14	0.39	0.05	1.89e-05	0.0	0.0	-12.98	0.13	-0.03	0.0	0.05	-0.06
		-0.06	-0.06	5.86e-05	0.0	360.0	-10.79	0.13	-0.03	0.0	-0.06	0.39
140	16	0.32	0.05	1.80e-05	0.0	0.0	-12.10	0.10	-0.03	0.0	0.05	-0.05
		-0.05	-0.06	6.16e-05	0.0	360.0	-9.90	0.10	-0.03	0.0	-0.06	0.32
140	17	0.20	0.03	7.77e-06	0.0	0.0	-10.75	0.07	-0.02	0.0	0.03	-0.04
		-0.04	-0.04	3.83e-05	0.0	360.0	-8.56	0.07	-0.02	0.0	-0.04	0.20
140	18	0.31	0.04	1.45e-05	0.0	0.0	-12.09	0.10	-0.03	0.0	0.04	-0.05
		-0.05	-0.05	5.05e-05	0.0	360.0	-9.89	0.10	-0.03	0.0	-0.05	0.31
140	19	3.68	-0.09	-8.46e-03	0.0	0.0	-10.19	5.05	0.14	0.0	-0.59	-14.37
		-14.37	-0.59	-1.10e-03	0.0	360.0	-7.99	5.05	0.14	0.0	-0.09	3.68
140	22	14.27	0.67	8.49e-03	0.0	0.0	-13.99	-4.85	-0.19	0.0	0.67	14.27
		-3.05	-7.75e-03	1.20e-03	0.0	360.0	-11.79	-4.85	-0.19	0.0	-7.75e-03	-3.05
140	51	2.88	-0.08	-6.39e-03	0.0	0.0	-10.61	3.85	0.10	0.0	-0.44	-10.88
		-10.88	-0.44	-8.33e-04	0.0	360.0	-8.42	3.85	0.10	0.0	-0.08	2.88
140	54	10.78	0.53	6.42e-03	0.0	0.0	-13.56	-3.65	-0.15	0.0	0.53	10.78
		-2.25	-0.02	9.34e-04	0.0	360.0	-11.37	-3.65	-0.15	0.0	-0.02	-2.25

140	83	2.59	-0.08	-5.68e-03	0.0	0.0	-10.77	3.44	0.08	0.0	-0.39	-9.69
		-9.69	-0.39	-7.36e-04	0.0	360.0	-8.58	3.44	0.08	0.0	-0.08	2.59
140	86	9.58	0.47	5.71e-03	0.0	0.0	-13.40	-3.23	-0.14	0.0	0.47	9.58
		-1.97	-0.02	8.37e-04	0.0	360.0	-11.21	-3.23	-0.14	0.0	-0.02	-1.97
140	115	4.26	-0.10	-9.92e-03	0.0	0.0	-9.87	5.90	0.16	0.0	-0.70	-16.84
		-16.84	-0.70	-1.30e-03	0.0	360.0	-7.68	5.90	0.16	0.0	-0.10	4.26
140	118	16.73	0.78	9.95e-03	0.0	0.0	-14.30	-5.70	-0.21	0.0	0.78	16.73
		-3.63	-3.61e-04	1.40e-03	0.0	360.0	-12.11	-5.70	-0.21	0.0	-3.61e-04	-3.63
141	1	0.01	0.46	1.10e-05	0.0	0.0	-7.80	-4.42e-03	-0.06	0.0	-0.67	0.01
		2.59e-03	-0.67	-1.80e-04	1.38	180.0	-6.37	-4.42e-03	1.32	0.0	0.46	2.59e-03
141	2	0.02	0.49	3.23e-05	0.0	0.0	-6.20	-5.33e-03	-0.05	0.0	-0.65	0.02
		0.01	-0.65	-1.50e-04	1.38	180.0	-4.78	-5.33e-03	1.32	0.0	0.49	0.01
141	4	0.02	0.49	2.97e-05	0.0	0.0	-4.40	-4.31e-03	-0.06	0.0	-0.65	0.02
		0.01	-0.65	-1.50e-04	1.38	180.0	-3.30	-4.31e-03	1.32	0.0	0.49	0.01
141	5	0.01	0.75	1.09e-05	0.0	0.0	-7.79	-4.42e-03	-0.11	0.0	-1.11	0.01
		2.54e-03	-1.11	-2.98e-04	2.29	180.0	-6.37	-4.42e-03	2.18	0.0	0.75	2.54e-03
141	6	0.02	0.77	2.58e-05	0.0	0.0	-6.68	-5.05e-03	-0.11	0.0	-1.10	0.02
		0.01	-1.10	-2.77e-04	2.29	180.0	-5.25	-5.05e-03	2.19	0.0	0.77	0.01
141	7	8.03e-03	0.74	8.34e-06	0.0	0.0	-5.99	-3.39e-03	-0.12	0.0	-1.11	8.03e-03
		1.93e-03	-1.11	-2.98e-04	2.29	180.0	-4.90	-3.39e-03	2.18	0.0	0.74	1.93e-03
141	9	8.13e-03	0.31	8.48e-06	0.0	0.0	-6.00	-3.40e-03	-0.04	0.0	-0.45	8.13e-03
		2.00e-03	-0.45	-1.20e-04	0.92	180.0	-4.90	-3.40e-03	0.88	0.0	0.31	2.00e-03
141	10	0.02	0.33	2.27e-05	0.0	0.0	-4.93	-4.01e-03	-0.03	0.0	-0.43	0.02
		9.71e-03	-0.43	-1.00e-04	0.92	180.0	-3.84	-4.01e-03	0.88	0.0	0.33	9.71e-03
141	11	8.09e-03	0.50	8.42e-06	0.0	0.0	-6.00	-3.40e-03	-0.07	0.0	-0.74	8.09e-03
		1.97e-03	-0.74	-1.99e-04	1.53	180.0	-4.90	-3.40e-03	1.46	0.0	0.50	1.97e-03
141	12	0.01	0.52	1.84e-05	0.0	0.0	-5.25	-3.82e-03	-0.07	0.0	-0.73	0.01
		7.37e-03	-0.73	-1.85e-04	1.53	180.0	-4.15	-3.82e-03	1.46	0.0	0.52	7.37e-03
141	13	8.19e-03	0.03	8.57e-06	0.0	0.0	-6.00	-3.41e-03	0.02	0.0	-1.18e-03	8.19e-03
		2.05e-03	-1.18e-03	-2.22e-06	0.0	180.0	-4.90	-3.41e-03	0.02	0.0	0.03	2.05e-03
141	14	0.01	0.04	1.57e-05	0.0	0.0	-5.47	-3.71e-03	0.02	0.0	5.62e-03	0.01
		5.90e-03	5.62e-03	8.39e-06	0.0	180.0	-4.37	-3.71e-03	0.02	0.0	0.04	5.90e-03
141	15	8.17e-03	0.12	8.54e-06	0.0	0.0	-6.00	-3.41e-03	-1.73e-03	0.0	-0.15	8.17e-03
		2.03e-03	-0.15	-4.09e-05	0.31	180.0	-4.90	-3.41e-03	0.30	0.0	0.12	2.03e-03
141	16	0.01	0.13	1.28e-05	0.0	0.0	-5.68	-3.59e-03	-6.33e-04	0.0	-0.15	0.01
		4.35e-03	-0.15	-3.50e-05	0.31	180.0	-4.58	-3.59e-03	0.31	0.0	0.13	4.35e-03
141	17	8.19e-03	0.03	8.57e-06	0.0	0.0	-6.00	-3.41e-03	0.02	0.0	-1.18e-03	8.19e-03
		2.05e-03	-1.18e-03	-2.22e-06	0.0	180.0	-4.90	-3.41e-03	0.02	0.0	0.03	2.05e-03
141	18	0.01	0.03	1.28e-05	0.0	0.0	-5.68	-3.59e-03	0.02	0.0	2.90e-03	0.01
		4.36e-03	2.90e-03	4.46e-06	0.0	180.0	-4.59	-3.59e-03	0.02	0.0	0.03	4.36e-03
141	19	-0.27	0.15	-4.73e-04	0.0	0.0	-76.50	-0.06	-0.17	0.0	0.15	-0.27
		-0.29	-0.16	-6.62e-04	0.0	180.0	-75.40	-0.06	-0.17	0.0	-0.16	-0.29
141	22	0.30	0.22	4.99e-04	0.0	0.0	65.14	0.06	0.20	0.0	-0.15	0.29
		0.29	-0.15	6.71e-04	0.0	180.0	66.23	0.06	0.20	0.0	0.22	0.30
141	28	0.29	0.02	-4.42e-04	0.0	0.0	-66.98	-0.14	-0.02	0.0	0.02	0.29
		-0.35	-0.02	-4.76e-04	0.0	180.0	-65.88	-0.14	-0.02	0.0	-0.02	-0.35
141	29	0.36	0.08	4.68e-04	0.0	0.0	55.61	0.14	0.06	0.0	-0.01	-0.27
		-0.27	-0.01	4.85e-04	0.0	180.0	56.71	0.14	0.06	0.0	0.08	0.36
141	38	0.08	0.28	1.31e-04	0.0	0.0	18.91	0.03	0.27	0.0	-0.23	0.08
		0.06	-0.23	3.18e-04	0.0	180.0	20.01	0.03	0.27	0.0	0.28	0.06
141	51	-0.20	0.12	-3.54e-04	0.0	0.0	-59.39	-0.05	-0.13	0.0	0.12	-0.20
		-0.22	-0.12	-5.05e-04	0.0	180.0	-58.29	-0.05	-0.13	0.0	-0.12	-0.22
141	54	0.23	0.19	3.80e-04	0.0	0.0	48.03	0.04	0.17	0.0	-0.12	0.23
		0.23	-0.12	5.14e-04	0.0	180.0	49.12	0.04	0.17	0.0	0.19	0.23
141	60	0.22	9.91e-03	-3.36e-04	0.0	0.0	-52.39	-0.12	-6.44e-03	0.0	9.91e-03	0.22
		-0.27	2.65e-03	-3.56e-04	0.0	180.0	-51.29	-0.12	-6.44e-03	0.0	2.65e-03	-0.27
141	61	0.28	0.07	3.61e-04	0.0	0.0	41.03	0.11	0.04	0.0	-4.10e-03	-0.20
		-0.20	-4.10e-03	3.65e-04	0.0	180.0	42.12	0.11	0.04	0.0	0.07	0.28
141	70	0.07	0.24	9.90e-05	0.0	0.0	13.30	0.02	0.23	0.0	-0.20	0.07
		0.04	-0.20	2.60e-04	0.0	180.0	14.40	0.02	0.23	0.0	0.24	0.04
141	83	-0.18	0.11	-3.14e-04	0.0	0.0	-53.46	-0.05	-0.12	0.0	0.11	-0.18
		-0.19	-0.10	-4.49e-04	0.0	180.0	-52.37	-0.05	-0.12	0.0	-0.10	-0.19
141	86	0.20	0.17	3.39e-04	0.0	0.0	42.10	0.04	0.15	0.0	-0.11	0.20
		0.20	-0.11	4.58e-04	0.0	180.0	43.20	0.04	0.15	0.0	0.17	0.20
141	92	0.20	8.57e-03	-2.97e-04	0.0	0.0	-47.22	-0.10	-3.16e-03	0.0	8.57e-03	0.20
		-0.24	6.70e-03	-3.16e-04	0.0	180.0	-46.12	-0.10	-3.16e-03	0.0	6.70e-03	-0.24
141	93	0.25	0.06	3.23e-04	0.0	0.0	35.85	0.10	0.04	0.0	-2.77e-03	-0.18
		-0.18	-2.77e-03	3.25e-04	0.0	180.0	36.95	0.10	0.04	0.0	0.06	0.25
141	102	0.06	0.22	8.91e-05	0.0	0.0	11.24	0.02	0.21	0.0	-0.18	0.06
		0.04	-0.18	2.34e-04	0.0	180.0	12.33	0.02	0.21	0.0	0.22	0.04
141	115	-0.32	0.18	-5.57e-04	0.0	0.0	-88.64	-0.07	-0.20	0.0	0.18	-0.32
		-0.34	-0.19	-7.75e-04	0.0	180.0	-87.54	-0.07	-0.20	0.0	-0.19	-0.34
141	118	0.35	0.26	5.83e-04	0.0	0.0	77.27	0.07	0.23	0.0	-0.17	0.34
		0.34	-0.17	7.84e-04	0.0	180.0	78.37	0.07	0.23	0.0	0.26	0.35
141	124	0.34	0.02	-5.15e-04	0.0	0.0	-76.85	-0.17	-0.03	0.0	0.02	0.34

		-0.41	-0.03	-5.55e-04	0.0	180.0	-75.75	-0.17	-0.03	0.0	-0.03	-0.41
141	125	0.41	0.09	5.40e-04	0.0	0.0	65.48	0.16	0.07	0.0	-0.02	-0.32
		-0.32	-0.02	5.64e-04	0.0	180.0	66.58	0.16	0.07	0.0	0.09	0.41
141	134	0.10	0.31	1.53e-04	0.0	0.0	23.02	0.04	0.30	0.0	-0.26	0.10
		0.07	-0.26	3.66e-04	0.0	180.0	24.12	0.04	0.30	0.0	0.31	0.07
142	2	0.02	0.19	2.95e-05	0.0	0.0	-15.21	4.90e-03	-0.26	0.0	-0.58	0.01
		0.01	-0.62	-7.69e-05	1.38	180.0	-13.79	4.90e-03	1.12	0.0	0.19	0.02
142	7	6.50e-03	0.60	6.55e-06	0.0	0.0	-8.14	3.21e-03	-0.23	0.0	-1.05	7.24e-04
		7.24e-04	-1.07	-2.40e-04	2.29	180.0	-7.05	3.21e-03	2.07	0.0	0.60	6.50e-03
142	10	0.02	0.12	2.06e-05	0.0	0.0	-11.24	3.70e-03	-0.18	0.0	-0.39	8.56e-03
		8.56e-03	-0.41	-4.78e-05	0.92	180.0	-10.14	3.70e-03	0.74	0.0	0.12	0.02
142	11	6.57e-03	0.38	6.63e-06	0.0	0.0	-8.17	3.23e-03	-0.17	0.0	-0.70	7.58e-04
		7.58e-04	-0.71	-1.51e-04	1.53	180.0	-7.07	3.23e-03	1.36	0.0	0.38	6.57e-03
142	14	0.01	0.03	1.37e-05	0.0	0.0	-9.74	3.49e-03	-0.07	0.0	0.03	4.71e-03
		4.71e-03	-0.10	4.25e-05	0.0	180.0	-8.65	3.49e-03	-0.07	0.0	-0.10	0.01
142	15	6.67e-03	0.03	6.74e-06	0.0	0.0	-8.21	3.25e-03	-0.07	0.0	-0.13	8.12e-04
		8.12e-04	-0.14	-9.30e-06	0.31	180.0	-7.11	3.25e-03	0.24	0.0	0.03	6.67e-03
142	16	9.25e-03	7.89e-04	1.09e-05	0.0	0.0	-9.12	3.39e-03	-0.09	0.0	-0.12	3.14e-03
		3.14e-03	-0.14	1.13e-05	0.31	180.0	-8.03	3.39e-03	0.22	0.0	7.89e-04	9.25e-03
142	17	6.69e-03	0.02	6.77e-06	0.0	0.0	-8.22	3.26e-03	-0.04	0.0	0.02	8.26e-04
		8.26e-04	-0.06	2.62e-05	0.0	180.0	-7.12	3.26e-03	-0.04	0.0	-0.06	6.69e-03
142	18	9.27e-03	0.02	1.09e-05	0.0	0.0	-9.13	3.40e-03	-0.06	0.0	0.02	3.16e-03
		3.16e-03	-0.09	3.60e-05	0.0	180.0	-8.04	3.40e-03	-0.06	0.0	-0.09	9.27e-03
142	20	-0.28	0.33	-4.94e-04	0.0	0.0	61.83	-0.06	-0.25	0.0	0.33	-0.28
		-0.31	-0.12	9.91e-04	0.0	180.0	62.92	-0.06	-0.25	0.0	-0.12	-0.31
142	21	0.33	-0.06	5.15e-04	0.0	0.0	-80.09	0.06	0.12	0.0	-0.28	0.29
		0.29	-0.28	-9.19e-04	0.0	180.0	-79.00	0.06	0.12	0.0	-0.06	0.33
142	23	-0.29	0.39	-4.89e-04	0.0	0.0	59.92	-0.05	-0.29	0.0	0.39	-0.29
		-0.30	-0.15	8.51e-04	0.0	180.0	61.01	-0.05	-0.29	0.0	-0.15	-0.30
142	26	0.32	-0.03	5.11e-04	0.0	0.0	-78.18	0.05	0.16	0.0	-0.35	0.30
		0.30	-0.35	-7.79e-04	0.0	180.0	-77.08	0.05	0.16	0.0	-0.03	0.32
142	28	0.29	0.27	-4.44e-04	0.0	0.0	54.53	-0.15	-0.21	0.0	0.27	0.29
		-0.34	-0.11	8.34e-04	0.0	180.0	55.63	-0.15	-0.21	0.0	-0.11	-0.34
142	29	0.36	-0.06	4.66e-04	0.0	0.0	-72.79	0.15	0.08	0.0	-0.22	-0.28
		-0.28	-0.22	-7.62e-04	0.0	180.0	-71.70	0.15	0.08	0.0	-0.06	0.36
142	52	-0.21	0.25	-3.72e-04	0.0	0.0	44.73	-0.04	-0.20	0.0	0.25	-0.21
		-0.23	-0.11	7.68e-04	0.0	180.0	45.83	-0.04	-0.20	0.0	-0.11	-0.23
142	53	0.25	-0.06	3.94e-04	0.0	0.0	-63.00	0.05	0.08	0.0	-0.20	0.22
		0.22	-0.20	-6.96e-04	0.0	180.0	-61.90	0.05	0.08	0.0	-0.06	0.25
142	55	-0.22	0.30	-3.68e-04	0.0	0.0	43.07	-0.04	-0.23	0.0	0.30	-0.22
		-0.23	-0.13	6.41e-04	0.0	180.0	44.17	-0.04	-0.23	0.0	-0.13	-0.23
142	58	0.25	-0.04	3.90e-04	0.0	0.0	-61.34	0.04	0.11	0.0	-0.26	0.22
		0.22	-0.26	-5.69e-04	0.0	180.0	-60.24	0.04	0.11	0.0	-0.04	0.25
142	60	0.22	0.21	-3.37e-04	0.0	0.0	39.64	-0.12	-0.17	0.0	0.21	0.22
		-0.27	-0.11	6.53e-04	0.0	180.0	40.73	-0.12	-0.17	0.0	-0.11	-0.27
142	61	0.29	-0.07	3.59e-04	0.0	0.0	-57.90	0.12	0.05	0.0	-0.16	-0.22
		-0.22	-0.16	-5.81e-04	0.0	180.0	-56.81	0.12	0.05	0.0	-0.07	0.29
142	84	-0.19	0.23	-3.30e-04	0.0	0.0	38.79	-0.04	-0.19	0.0	0.23	-0.19
		-0.21	-0.11	6.88e-04	0.0	180.0	39.89	-0.04	-0.19	0.0	-0.11	-0.21
142	85	0.22	-0.07	3.52e-04	0.0	0.0	-57.06	0.05	0.06	0.0	-0.18	0.19
		0.19	-0.18	-6.15e-04	0.0	180.0	-55.96	0.05	0.06	0.0	-0.07	0.22
142	87	-0.19	0.27	-3.27e-04	0.0	0.0	37.30	-0.03	-0.21	0.0	0.27	-0.19
		-0.20	-0.13	5.73e-04	0.0	180.0	38.40	-0.03	-0.21	0.0	-0.13	-0.20
142	90	0.22	-0.05	3.48e-04	0.0	0.0	-55.57	0.04	0.09	0.0	-0.23	0.20
		0.20	-0.23	-5.01e-04	0.0	180.0	-54.47	0.04	0.09	0.0	-0.05	0.22
142	92	0.20	0.19	-2.99e-04	0.0	0.0	34.26	-0.11	-0.16	0.0	0.19	0.20
		-0.24	-0.10	5.86e-04	0.0	180.0	35.36	-0.11	-0.16	0.0	-0.10	-0.24
142	93	0.26	-0.07	3.21e-04	0.0	0.0	-52.53	0.11	0.04	0.0	-0.14	-0.19
		-0.19	-0.14	-5.14e-04	0.0	180.0	-51.43	0.11	0.04	0.0	-0.07	0.26
142	116	-0.33	0.38	-5.80e-04	0.0	0.0	73.97	-0.07	-0.28	0.0	0.38	-0.33
		-0.36	-0.12	1.15e-03	0.0	180.0	75.07	-0.07	-0.28	0.0	-0.12	-0.36
142	117	0.38	-0.05	6.02e-04	0.0	0.0	-92.24	0.07	0.15	0.0	-0.33	0.34
		0.34	-0.33	-1.08e-03	0.0	180.0	-91.14	0.07	0.15	0.0	-0.05	0.38
142	119	-0.34	0.46	-5.75e-04	0.0	0.0	71.80	-0.05	-0.32	0.0	0.46	-0.34
		-0.36	-0.16	9.95e-04	0.0	180.0	72.90	-0.05	-0.32	0.0	-0.16	-0.36
142	122	0.37	-0.02	5.97e-04	0.0	0.0	-90.07	0.06	0.20	0.0	-0.41	0.35
		0.35	-0.41	-9.23e-04	0.0	180.0	-88.97	0.06	0.20	0.0	-0.02	0.37
142	124	0.34	0.31	-5.17e-04	0.0	0.0	64.72	-0.17	-0.23	0.0	0.31	0.34
		-0.40	-0.11	9.60e-04	0.0	180.0	65.82	-0.17	-0.23	0.0	-0.11	-0.40
142	125	0.42	-0.06	5.38e-04	0.0	0.0	-82.98	0.18	0.11	0.0	-0.26	-0.33
		-0.33	-0.26	-8.88e-04	0.0	180.0	-81.89	0.18	0.11	0.0	-0.06	0.42
143	2	0.01	0.10	4.20e-05	0.0	0.0	-5.48	-5.30e-03	-0.05	0.0	0.10	0.01
		1.33e-03	2.14e-03	-4.77e-05	0.0	200.0	-3.89	-5.30e-03	-0.05	0.0	2.14e-03	1.33e-03
143	3	3.64e-03	0.18	1.00e-05	0.0	0.0	-3.42	-1.63e-03	-0.09	0.0	0.18	3.64e-03
		3.66e-04	6.69e-04	4.53e-05	0.0	200.0	-2.20	-1.63e-03	-0.09	0.0	6.69e-04	3.66e-04

143	7	3.62e-03	0.32	9.92e-06	0.0	0.0	-3.41	-1.60e-03	-0.16	0.0	0.32	3.62e-03
		4.16e-04	7.29e-04	9.99e-05	0.0	200.0	-2.19	-1.60e-03	-0.16	0.0	7.29e-04	4.16e-04
143	9	3.64e-03	0.11	1.01e-05	0.0	0.0	-3.42	-1.65e-03	-0.05	0.0	0.11	3.64e-03
		3.41e-04	6.39e-04	1.80e-05	0.0	200.0	-2.20	-1.65e-03	-0.05	0.0	6.39e-04	3.41e-04
143	10	8.45e-03	0.06	2.94e-05	0.0	0.0	-4.11	-3.76e-03	-0.03	0.0	0.06	8.45e-03
		9.28e-04	1.51e-03	-3.66e-05	0.0	200.0	-2.89	-3.76e-03	-0.03	0.0	1.51e-03	9.28e-04
143	11	3.63e-03	0.20	1.00e-05	0.0	0.0	-3.41	-1.63e-03	-0.10	0.0	0.20	3.63e-03
		3.74e-04	6.79e-04	5.44e-05	0.0	200.0	-2.20	-1.63e-03	-0.10	0.0	6.79e-04	3.74e-04
143	13	3.66e-03	5.78e-04	1.02e-05	0.0	0.0	-3.42	-1.69e-03	0.02	0.0	-0.03	3.66e-03
		2.91e-04	-0.03	-3.65e-05	0.0	200.0	-2.20	-1.69e-03	0.02	0.0	5.78e-04	2.91e-04
143	14	6.06e-03	1.01e-03	1.99e-05	0.0	0.0	-3.77	-2.74e-03	0.03	0.0	-0.05	6.06e-03
		5.85e-04	-0.05	-6.38e-05	0.0	200.0	-2.55	-2.74e-03	0.03	0.0	1.01e-03	5.85e-04
143	15	3.66e-03	0.01	1.02e-05	0.0	0.0	-3.42	-1.67e-03	-6.86e-03	0.0	0.01	3.66e-03
		3.08e-04	5.98e-04	-1.83e-05	0.0	200.0	-2.20	-1.67e-03	-6.86e-03	0.0	5.98e-04	3.08e-04
143	17	3.66e-03	5.78e-04	1.02e-05	0.0	0.0	-3.42	-1.69e-03	0.02	0.0	-0.03	3.66e-03
		2.91e-04	-0.03	-3.65e-05	0.0	200.0	-2.20	-1.69e-03	0.02	0.0	5.78e-04	2.91e-04
143	18	5.10e-03	8.39e-04	1.60e-05	0.0	0.0	-3.63	-2.32e-03	0.02	0.0	-0.05	5.10e-03
		4.67e-04	-0.05	-5.29e-05	0.0	200.0	-2.41	-2.32e-03	0.02	0.0	8.39e-04	4.67e-04
143	20	0.11	-0.01	-6.59e-04	0.0	0.0	19.94	-0.07	0.13	0.0	-0.28	0.11
		0.05	-0.28	8.77e-04	0.0	200.0	21.16	-0.07	0.13	0.0	-0.01	0.05
143	21	-0.05	0.19	6.91e-04	0.0	0.0	-27.20	0.06	-0.09	0.0	0.19	-0.10
		-0.10	0.01	-9.83e-04	0.0	200.0	-25.98	0.06	-0.09	0.0	0.01	-0.05
143	27	0.20	-9.84e-03	-5.60e-04	0.0	0.0	16.64	-0.10	0.05	0.0	-0.11	0.20
		0.05	-0.11	6.73e-04	0.0	200.0	17.85	-0.10	0.05	0.0	-9.84e-03	0.05
143	30	-0.05	0.02	5.92e-04	0.0	0.0	-23.89	0.10	-3.29e-03	0.0	0.02	-0.19
		-0.19	0.01	-7.79e-04	0.0	200.0	-22.67	0.10	-3.29e-03	0.0	0.01	-0.05
143	44	0.02	-2.51e-03	-1.64e-04	0.0	0.0	2.61	-0.03	0.24	0.0	-0.49	0.02
		0.01	-0.49	2.40e-04	0.0	200.0	3.83	-0.03	0.24	0.0	-2.51e-03	0.01
143	45	-9.44e-03	0.40	1.96e-04	0.0	0.0	-9.87	0.03	-0.20	0.0	0.40	-9.44e-03
		-0.01	4.19e-03	-3.46e-04	0.0	200.0	-8.65	0.03	-0.20	0.0	4.19e-03	-0.01
143	52	0.09	-8.63e-03	-4.96e-04	0.0	0.0	14.25	-0.05	0.11	0.0	-0.23	0.09
		0.04	-0.23	6.52e-04	0.0	200.0	15.47	-0.05	0.11	0.0	-8.63e-03	0.04
143	53	-0.04	0.14	5.28e-04	0.0	0.0	-21.50	0.05	-0.07	0.0	0.14	-0.08
		-0.08	0.01	-7.58e-04	0.0	200.0	-20.29	0.05	-0.07	0.0	0.01	-0.04
143	59	0.17	-7.31e-03	-4.23e-04	0.0	0.0	11.80	-0.09	0.04	0.0	-0.08	0.17
		0.04	-0.08	4.97e-04	0.0	200.0	13.02	-0.09	0.04	0.0	-7.31e-03	0.04
143	62	-0.04	8.99e-03	4.55e-04	0.0	0.0	-19.06	0.08	7.48e-03	0.0	-7.66e-03	-0.16
		-0.16	-7.66e-03	-6.03e-04	0.0	200.0	-17.84	0.08	7.48e-03	0.0	8.99e-03	-0.04
143	76	0.01	-1.64e-03	-1.18e-04	0.0	0.0	1.02	-0.03	0.22	0.0	-0.43	0.01
		0.01	-0.43	1.71e-04	0.0	200.0	2.23	-0.03	0.22	0.0	-1.64e-03	0.01
143	77	-4.21e-03	0.34	1.50e-04	0.0	0.0	-8.27	0.02	-0.17	0.0	0.34	-4.21e-03
		-0.01	3.32e-03	-2.77e-04	0.0	200.0	-7.05	0.02	-0.17	0.0	3.32e-03	-0.01
143	84	0.08	-7.58e-03	-4.39e-04	0.0	0.0	12.28	-0.05	0.10	0.0	-0.22	0.08
		0.04	-0.22	5.74e-04	0.0	200.0	13.49	-0.05	0.10	0.0	-7.58e-03	0.04
143	85	-0.04	0.12	4.71e-04	0.0	0.0	-19.53	0.04	-0.06	0.0	0.12	-0.07
		-0.07	9.26e-03	-6.80e-04	0.0	200.0	-18.31	0.04	-0.06	0.0	9.26e-03	-0.04
143	91	0.16	-6.41e-03	-3.74e-04	0.0	0.0	10.09	-0.08	0.04	0.0	-0.08	0.16
		0.04	-0.08	4.36e-04	0.0	200.0	11.31	-0.08	0.04	0.0	-6.41e-03	0.04
143	94	-0.04	8.08e-03	4.06e-04	0.0	0.0	-17.35	0.08	9.51e-03	0.0	-0.01	-0.15
		-0.15	-0.01	-5.41e-04	0.0	200.0	-16.13	0.08	9.51e-03	0.0	8.08e-03	-0.04
143	108	0.01	-1.36e-03	-1.03e-04	0.0	0.0	0.50	-0.03	0.20	0.0	-0.40	0.01
		0.01	-0.40	1.47e-04	0.0	200.0	1.71	-0.03	0.20	0.0	-1.36e-03	0.01
143	109	-3.02e-03	0.30	1.35e-04	0.0	0.0	-7.75	0.02	-0.15	0.0	0.30	-3.02e-03
		-0.01	3.04e-03	-2.52e-04	0.0	200.0	-6.53	0.02	-0.15	0.0	3.04e-03	-0.01
143	116	0.13	-0.01	-7.75e-04	0.0	0.0	23.98	-0.08	0.15	0.0	-0.31	0.13
		0.06	-0.31	1.04e-03	0.0	200.0	25.20	-0.08	0.15	0.0	-0.01	0.06
143	117	-0.06	0.22	8.07e-04	0.0	0.0	-31.23	0.07	-0.10	0.0	0.22	-0.12
		-0.12	0.02	-1.14e-03	0.0	200.0	-30.02	0.07	-0.10	0.0	0.02	-0.06
143	123	0.23	-0.01	-6.53e-04	0.0	0.0	19.90	-0.12	0.06	0.0	-0.12	0.23
		0.06	-0.12	7.90e-04	0.0	200.0	21.12	-0.12	0.06	0.0	-0.01	0.06
143	126	-0.06	0.03	6.85e-04	0.0	0.0	-27.16	0.12	-9.10e-03	0.0	0.03	-0.22
		-0.22	0.01	-8.96e-04	0.0	200.0	-25.94	0.12	-9.10e-03	0.0	0.01	-0.06
143	140	0.02	-3.10e-03	-1.95e-04	0.0	0.0	3.71	-0.04	0.27	0.0	-0.55	0.02
		0.02	-0.55	2.90e-04	0.0	200.0	4.93	-0.04	0.27	0.0	-3.10e-03	0.02
143	141	-0.01	0.46	2.27e-04	0.0	0.0	-10.96	0.03	-0.23	0.0	0.46	-0.01
		-0.02	4.78e-03	-3.95e-04	0.0	200.0	-9.75	0.03	-0.23	0.0	4.78e-03	-0.02
144	2	8.08e-03	0.26	4.28e-05	0.0	0.0	-2.48	-3.37e-03	-0.13	0.0	0.26	8.08e-03
		1.33e-03	-2.14e-03	1.97e-04	0.0	200.0	-0.90	-3.37e-03	-0.13	0.0	-2.14e-03	1.33e-03
144	3	1.21e-03	0.24	1.06e-05	0.0	0.0	-2.69	-4.24e-04	-0.12	0.0	0.24	1.21e-03
		3.62e-04	-6.69e-04	1.20e-04	0.0	200.0	-1.47	-4.24e-04	-0.12	0.0	-6.69e-04	3.62e-04
144	4	7.72e-03	0.25	3.96e-05	0.0	0.0	-1.68	-3.24e-03	-0.13	0.0	0.25	7.72e-03
		1.25e-03	-1.97e-03	1.88e-04	0.0	200.0	-0.46	-3.24e-03	-0.13	0.0	-1.97e-03	1.25e-03
144	5	1.57e-03	0.39	1.37e-05	0.0	0.0	-3.50	-5.37e-04	-0.20	0.0	0.39	1.57e-03
		4.98e-04	-9.02e-04	1.89e-04	0.0	200.0	-1.92	-5.37e-04	-0.20	0.0	-9.02e-04	4.98e-04
144	6	6.13e-03	0.40	3.40e-05	0.0	0.0	-2.79	-2.51e-03	-0.20	0.0	0.40	6.13e-03

		1.12e-03	-1.81e-03	2.37e-04	0.0	200.0	-1.21	-2.51e-03	-0.20	0.0	-1.81e-03	1.12e-03
144	9	1.21e-03	0.16	1.07e-05	0.0	0.0	-2.69	-4.37e-04	-0.08	0.0	0.16	1.21e-03
		3.37e-04	-6.39e-04	8.94e-05	0.0	200.0	-1.47	-4.37e-04	-0.08	0.0	-6.39e-04	3.37e-04
144	10	5.55e-03	0.17	3.00e-05	0.0	0.0	-2.01	-2.31e-03	-0.09	0.0	0.17	5.55e-03
		9.27e-04	-1.51e-03	1.35e-04	0.0	200.0	-0.79	-2.31e-03	-0.09	0.0	-1.51e-03	9.27e-04
144	11	1.21e-03	0.26	1.06e-05	0.0	0.0	-2.69	-4.20e-04	-0.13	0.0	0.26	1.21e-03
		3.70e-04	-6.79e-04	1.30e-04	0.0	200.0	-1.47	-4.20e-04	-0.13	0.0	-6.79e-04	3.70e-04
144	12	4.25e-03	0.27	2.41e-05	0.0	0.0	-2.22	-1.73e-03	-0.14	0.0	0.27	4.25e-03
		7.84e-04	-1.29e-03	1.62e-04	0.0	200.0	-1.00	-1.73e-03	-0.14	0.0	-1.29e-03	7.84e-04
144	13	1.21e-03	0.01	1.08e-05	0.0	0.0	-2.69	-4.63e-04	-7.53e-03	0.0	0.01	1.21e-03
		2.87e-04	-5.78e-04	2.89e-05	0.0	200.0	-1.47	-4.63e-04	-7.53e-03	0.0	-5.78e-04	2.87e-04
144	14	3.38e-03	0.02	2.04e-05	0.0	0.0	-2.35	-1.40e-03	-0.01	0.0	0.02	3.38e-03
		5.82e-04	-1.01e-03	5.18e-05	0.0	200.0	-1.13	-1.40e-03	-0.01	0.0	-1.01e-03	5.82e-04
144	15	1.21e-03	0.06	1.07e-05	0.0	0.0	-2.69	-4.55e-04	-0.03	0.0	0.06	1.21e-03
		3.03e-04	-5.98e-04	4.91e-05	0.0	200.0	-1.47	-4.55e-04	-0.03	0.0	-5.98e-04	3.03e-04
144	16	2.51e-03	0.07	1.65e-05	0.0	0.0	-2.48	-1.02e-03	-0.03	0.0	0.07	2.51e-03
		4.81e-04	-8.59e-04	6.28e-05	0.0	200.0	-1.27	-1.02e-03	-0.03	0.0	-8.59e-04	4.81e-04
144	17	1.21e-03	0.01	1.08e-05	0.0	0.0	-2.69	-4.63e-04	-7.53e-03	0.0	0.01	1.21e-03
		2.87e-04	-5.78e-04	2.89e-05	0.0	200.0	-1.47	-4.63e-04	-7.53e-03	0.0	-5.78e-04	2.87e-04
144	18	2.52e-03	0.02	1.66e-05	0.0	0.0	-2.48	-1.03e-03	-9.20e-03	0.0	0.02	2.52e-03
		4.64e-04	-8.39e-04	4.27e-05	0.0	200.0	-1.26	-1.03e-03	-9.20e-03	0.0	-8.39e-04	4.64e-04
144	20	0.13	0.01	-6.58e-04	0.0	0.0	-26.05	-0.07	0.08	0.0	-0.17	0.13
		0.05	-0.17	-6.87e-04	0.0	200.0	-24.83	-0.07	0.08	0.0	0.01	0.05
144	21	-0.05	0.21	6.92e-04	0.0	0.0	21.08	0.06	-0.10	0.0	0.21	-0.13
		-0.13	-0.01	7.72e-04	0.0	200.0	22.30	0.06	-0.10	0.0	-0.01	-0.05
144	28	0.20	9.36e-03	-5.81e-04	0.0	0.0	-23.54	-0.09	0.08	0.0	-0.17	0.20
		0.06	-0.17	-5.52e-04	0.0	200.0	-22.32	-0.09	0.08	0.0	9.36e-03	0.06
144	29	-0.05	0.21	6.14e-04	0.0	0.0	18.57	0.09	-0.10	0.0	0.21	-0.19
		-0.19	-0.01	6.38e-04	0.0	200.0	19.79	0.09	-0.10	0.0	-0.01	-0.05
144	40	0.09	1.49e-03	-1.96e-04	0.0	0.0	-9.99	-0.01	0.18	0.0	-0.37	0.09
		0.02	-0.37	-1.27e-04	0.0	200.0	-8.77	-0.01	0.18	0.0	1.49e-03	0.02
144	41	-0.02	0.40	2.29e-04	0.0	0.0	5.02	0.01	-0.20	0.0	0.40	-0.09
		-0.09	-3.17e-03	2.13e-04	0.0	200.0	6.24	0.01	-0.20	0.0	-3.17e-03	-0.02
144	52	0.10	8.63e-03	-4.95e-04	0.0	0.0	-20.36	-0.05	0.07	0.0	-0.14	0.10
		0.04	-0.14	-5.08e-04	0.0	200.0	-19.14	-0.05	0.07	0.0	8.63e-03	0.04
144	53	-0.04	0.18	5.28e-04	0.0	0.0	15.39	0.05	-0.08	0.0	0.18	-0.10
		-0.10	-0.01	5.93e-04	0.0	200.0	16.61	0.05	-0.08	0.0	-0.01	-0.04
144	60	0.17	6.91e-03	-4.41e-04	0.0	0.0	-18.59	-0.08	0.07	0.0	-0.14	0.17
		0.05	-0.14	-4.10e-04	0.0	200.0	-17.38	-0.08	0.07	0.0	6.91e-03	0.05
144	61	-0.04	0.18	4.74e-04	0.0	0.0	13.63	0.08	-0.09	0.0	0.18	-0.16
		-0.16	-8.59e-03	4.95e-04	0.0	200.0	14.85	0.08	-0.09	0.0	-8.59e-03	-0.04
144	72	0.08	8.79e-04	-1.49e-04	0.0	0.0	-8.35	-9.88e-03	0.16	0.0	-0.32	0.08
		0.02	-0.32	-8.60e-05	0.0	200.0	-7.13	-9.88e-03	0.16	0.0	8.79e-04	0.02
144	73	-0.01	0.35	1.82e-04	0.0	0.0	3.38	7.83e-03	-0.18	0.0	0.35	-0.08
		-0.08	-2.56e-03	1.71e-04	0.0	200.0	4.60	7.83e-03	-0.18	0.0	-2.56e-03	-0.01
144	84	0.09	7.58e-03	-4.39e-04	0.0	0.0	-18.39	-0.05	0.06	0.0	-0.12	0.09
		0.04	-0.12	-4.47e-04	0.0	200.0	-17.17	-0.05	0.06	0.0	7.58e-03	0.04
144	85	-0.04	0.16	4.72e-04	0.0	0.0	13.42	0.04	-0.08	0.0	0.16	-0.09
		-0.09	-9.26e-03	5.32e-04	0.0	200.0	14.64	0.04	-0.08	0.0	-9.26e-03	-0.04
144	92	0.15	6.05e-03	-3.90e-04	0.0	0.0	-16.82	-0.07	0.06	0.0	-0.13	0.15
		0.04	-0.13	-3.60e-04	0.0	200.0	-15.60	-0.07	0.06	0.0	6.05e-03	0.04
144	93	-0.04	0.16	4.23e-04	0.0	0.0	11.85	0.07	-0.08	0.0	0.16	-0.15
		-0.15	-7.72e-03	4.45e-04	0.0	200.0	13.07	0.07	-0.08	0.0	-7.72e-03	-0.04
144	104	0.07	6.82e-04	-1.31e-04	0.0	0.0	-7.71	-9.07e-03	0.14	0.0	-0.29	0.07
		0.01	-0.29	-7.16e-05	0.0	200.0	-6.49	-9.07e-03	0.14	0.0	6.82e-04	0.01
144	105	-0.01	0.32	1.64e-04	0.0	0.0	2.74	7.02e-03	-0.16	0.0	0.32	-0.07
		-0.07	-2.36e-03	1.57e-04	0.0	200.0	3.96	7.02e-03	-0.16	0.0	-2.36e-03	-0.01
144	116	0.15	0.01	-7.74e-04	0.0	0.0	-30.09	-0.08	0.09	0.0	-0.20	0.15
		0.06	-0.20	-8.12e-04	0.0	200.0	-28.87	-0.08	0.09	0.0	0.01	0.06
144	117	-0.06	0.23	8.07e-04	0.0	0.0	25.12	0.08	-0.11	0.0	0.23	-0.15
		-0.15	-0.02	8.98e-04	0.0	200.0	26.34	0.08	-0.11	0.0	-0.02	-0.06
144	124	0.23	0.01	-6.77e-04	0.0	0.0	-26.91	-0.11	0.09	0.0	-0.20	0.23
		0.06	-0.20	-6.48e-04	0.0	200.0	-25.69	-0.11	0.09	0.0	0.01	0.06
144	125	-0.06	0.23	7.10e-04	0.0	0.0	21.94	0.10	-0.11	0.0	0.23	-0.22
		-0.22	-0.01	7.34e-04	0.0	200.0	23.16	0.10	-0.11	0.0	-0.01	-0.06
144	132	0.08	2.73e-03	-2.58e-04	0.0	0.0	-12.12	-5.98e-03	0.21	0.0	-0.42	0.08
		0.02	-0.42	-2.04e-04	0.0	200.0	-10.90	-5.98e-03	0.21	0.0	2.73e-03	0.02
144	133	-0.02	0.45	2.91e-04	0.0	0.0	7.15	3.93e-03	-0.23	0.0	0.45	-0.08
		-0.08	-4.41e-03	2.90e-04	0.0	200.0	8.37	3.93e-03	-0.23	0.0	-4.41e-03	-0.02

Pilas.	**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**	**N**	**V 2**	**V 3**	**T**
	-30.87	-2.52	-0.01	0.0	-208.40	-9.75	-2.60	-0.76
	30.28	2.62	0.01	2.29	158.13	10.14	2.64	0.76

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	3	0.51	0.0	0.0	-0.83	0.0	3.05	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	2.15	-0.41	0.0	0.0	0.0	0.0
1	6	0.66	0.0	0.0	-1.08	0.0	6.17	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	5.00	-0.54	0.0	0.0	0.0	0.0
1	9	0.51	0.0	0.0	-0.83	0.0	2.58	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	1.68	-0.41	0.0	0.0	0.0	0.0
1	12	0.51	0.0	0.0	-0.83	0.0	4.33	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	3.43	-0.41	0.0	0.0	0.0	0.0
1	13	0.51	0.0	0.0	-0.83	0.0	1.64	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	0.74	-0.41	0.0	0.0	0.0	0.0
1	14	0.51	0.0	0.0	-0.83	0.0	2.44	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	1.54	-0.41	0.0	0.0	0.0	0.0
1	17	0.51	0.0	0.0	-0.83	0.0	1.64	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	0.74	-0.41	0.0	0.0	0.0	0.0
1	18	0.51	0.0	0.0	-0.83	0.0	2.12	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	1.22	-0.41	0.0	0.0	0.0	0.0
1	19	0.51	0.0	0.0	-0.83	0.0	-42.27	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-43.18	-0.41	0.0	0.0	0.0	0.0
1	22	0.51	0.0	0.0	-0.83	0.0	46.52	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	45.62	-0.41	0.0	0.0	0.0	0.0
1	51	0.51	0.0	0.0	-0.83	0.0	-31.92	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-32.83	-0.41	0.0	0.0	0.0	0.0
1	54	0.51	0.0	0.0	-0.83	0.0	36.17	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	35.26	-0.41	0.0	0.0	0.0	0.0
1	83	0.51	0.0	0.0	-0.83	0.0	-28.20	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-29.10	-0.41	0.0	0.0	0.0	0.0
1	86	0.51	0.0	0.0	-0.83	0.0	32.44	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	31.54	-0.41	0.0	0.0	0.0	0.0
1	115	0.51	0.0	0.0	-0.83	0.0	-49.76	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-50.66	-0.41	0.0	0.0	0.0	0.0
1	118	0.51	0.0	0.0	-0.83	0.0	54.00	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	53.10	-0.41	0.0	0.0	0.0	0.0
2	1	0.66	0.0	0.0	-1.08	0.0	-0.64	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	0.54	-0.54	0.0	0.0	0.0	0.0
2	2	0.66	0.0	0.0	-1.08	0.0	-1.34	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-0.16	-0.54	0.0	0.0	0.0	0.0
2	9	0.51	0.0	0.0	-0.83	0.0	-0.47	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	0.43	-0.41	0.0	0.0	0.0	0.0
2	10	0.51	0.0	0.0	-0.83	0.0	-0.94	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-0.04	-0.41	0.0	0.0	0.0	0.0
2	13	0.51	0.0	0.0	-0.83	0.0	-0.37	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	0.53	-0.41	0.0	0.0	0.0	0.0
2	14	0.51	0.0	0.0	-0.83	0.0	-0.61	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	0.30	-0.41	0.0	0.0	0.0	0.0
2	17	0.51	0.0	0.0	-0.83	0.0	-0.37	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	0.53	-0.41	0.0	0.0	0.0	0.0
2	18	0.51	0.0	0.0	-0.83	0.0	-0.51	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	0.39	-0.41	0.0	0.0	0.0	0.0
2	19	0.51	0.0	0.0	-0.83	0.0	47.99	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	48.89	-0.41	0.0	0.0	0.0	0.0
2	22	0.51	0.0	0.0	-0.83	0.0	-49.01	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-48.11	-0.41	0.0	0.0	0.0	0.0
2	51	0.51	0.0	0.0	-0.83	0.0	36.50	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	37.41	-0.41	0.0	0.0	0.0	0.0
2	54	0.51	0.0	0.0	-0.83	0.0	-37.53	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-36.63	-0.41	0.0	0.0	0.0	0.0
2	83	0.51	0.0	0.0	-0.83	0.0	32.44	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	33.34	-0.41	0.0	0.0	0.0	0.0
2	86	0.51	0.0	0.0	-0.83	0.0	-33.47	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-32.56	-0.41	0.0	0.0	0.0	0.0
2	115	0.51	0.0	0.0	-0.83	0.0	56.22	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	57.12	-0.41	0.0	0.0	0.0	0.0
2	118	0.51	0.0	0.0	-0.83	0.0	-57.25	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-56.34	-0.41	0.0	0.0	0.0	0.0
3	2	0.52	0.0	0.0	-1.08	0.0	0.46	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.19	-0.54	0.0	0.0	0.0	0.0
3	5	0.52	0.0	0.0	-1.08	0.0	0.07	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.58	-0.54	0.0	0.0	0.0	0.0
3	10	0.40	0.0	0.0	-0.83	0.0	0.32	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.18	-0.41	0.0	0.0	0.0	0.0
3	11	0.40	0.0	0.0	-0.83	0.0	0.06	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.44	-0.41	0.0	0.0	0.0	0.0
3	14	0.40	0.0	0.0	-0.83	0.0	0.22	0.41	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	385.9	-0.29	-0.41	0.0	0.0	0.0	0.0
3	15	0.40	0.0	0.0	-0.83	0.0	0.09	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.42	-0.41	0.0	0.0	0.0	0.0
3	17	0.40	0.0	0.0	-0.83	0.0	0.09	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.41	-0.41	0.0	0.0	0.0	0.0
3	18	0.40	0.0	0.0	-0.83	0.0	0.17	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.34	-0.41	0.0	0.0	0.0	0.0
3	19	0.40	0.0	0.0	-0.83	0.0	-35.66	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-36.16	-0.41	0.0	0.0	0.0	0.0
3	22	0.40	0.0	0.0	-0.83	0.0	35.99	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	35.49	-0.41	0.0	0.0	0.0	0.0
3	51	0.40	0.0	0.0	-0.83	0.0	-27.12	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-27.62	-0.41	0.0	0.0	0.0	0.0
3	54	0.40	0.0	0.0	-0.83	0.0	27.45	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	26.95	-0.41	0.0	0.0	0.0	0.0
3	83	0.40	0.0	0.0	-0.83	0.0	-24.12	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-24.62	-0.41	0.0	0.0	0.0	0.0
3	86	0.40	0.0	0.0	-0.83	0.0	24.45	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	23.95	-0.41	0.0	0.0	0.0	0.0
3	115	0.40	0.0	0.0	-0.83	0.0	-41.76	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-42.26	-0.41	0.0	0.0	0.0	0.0
3	118	0.40	0.0	0.0	-0.83	0.0	42.09	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	41.59	-0.41	0.0	0.0	0.0	0.0
4	2	0.52	0.0	0.0	-1.08	0.0	-4.73	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-4.08	-0.54	0.0	0.0	0.0	0.0
4	7	0.40	0.0	0.0	-0.83	0.0	-1.29	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.79	-0.41	0.0	0.0	0.0	0.0
4	10	0.40	0.0	0.0	-0.83	0.0	-3.36	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-2.86	-0.41	0.0	0.0	0.0	0.0
4	11	0.40	0.0	0.0	-0.83	0.0	-1.38	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.88	-0.41	0.0	0.0	0.0	0.0
4	14	0.40	0.0	0.0	-0.83	0.0	-2.51	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-2.01	-0.41	0.0	0.0	0.0	0.0
4	15	0.40	0.0	0.0	-0.83	0.0	-1.52	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-1.01	-0.41	0.0	0.0	0.0	0.0
4	17	0.40	0.0	0.0	-0.83	0.0	-1.55	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-1.05	-0.41	0.0	0.0	0.0	0.0
4	18	0.40	0.0	0.0	-0.83	0.0	-2.12	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-1.62	-0.41	0.0	0.0	0.0	0.0
4	19	0.40	0.0	0.0	-0.83	0.0	31.54	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	32.04	-0.41	0.0	0.0	0.0	0.0
4	22	0.40	0.0	0.0	-0.83	0.0	-35.79	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-35.28	-0.41	0.0	0.0	0.0	0.0
4	51	0.40	0.0	0.0	-0.83	0.0	23.34	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	23.84	-0.41	0.0	0.0	0.0	0.0
4	54	0.40	0.0	0.0	-0.83	0.0	-27.59	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-27.08	-0.41	0.0	0.0	0.0	0.0
4	83	0.40	0.0	0.0	-0.83	0.0	20.52	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	21.02	-0.41	0.0	0.0	0.0	0.0
4	86	0.40	0.0	0.0	-0.83	0.0	-24.77	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-24.27	-0.41	0.0	0.0	0.0	0.0
4	115	0.40	0.0	0.0	-0.83	0.0	37.33	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	37.83	-0.41	0.0	0.0	0.0	0.0
4	118	0.40	0.0	0.0	-0.83	0.0	-41.58	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-41.07	-0.41	0.0	0.0	0.0	0.0
5	2	0.74	0.0	0.0	-1.08	0.0	-6.23	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-7.67	-0.54	0.0	0.0	0.0	0.0
5	7	0.57	0.0	0.0	-0.83	0.0	3.19	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	2.08	-0.41	0.0	0.0	0.0	0.0
5	10	0.57	0.0	0.0	-0.83	0.0	-4.46	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-5.57	-0.41	0.0	0.0	0.0	0.0
5	11	0.57	0.0	0.0	-0.83	0.0	1.36	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	0.26	-0.41	0.0	0.0	0.0	0.0
5	14	0.57	0.0	0.0	-0.83	0.0	-4.48	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-5.58	-0.41	0.0	0.0	0.0	0.0
5	15	0.57	0.0	0.0	-0.83	0.0	-1.56	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-2.67	-0.41	0.0	0.0	0.0	0.0
5	17	0.57	0.0	0.0	-0.83	0.0	-2.29	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-3.40	-0.41	0.0	0.0	0.0	0.0
5	18	0.57	0.0	0.0	-0.83	0.0	-3.60	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-4.71	-0.41	0.0	0.0	0.0	0.0
5	19	0.57	0.0	0.0	-0.83	0.0	-54.26	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-55.36	-0.41	0.0	0.0	0.0	0.0
5	22	0.57	0.0	0.0	-0.83	0.0	47.05	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	45.95	-0.41	0.0	0.0	0.0	0.0

5	51	0.57	0.0	0.0	-0.83	0.0	-42.53	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-43.64	-0.41	0.0	0.0	0.0	0.0
5	54	0.57	0.0	0.0	-0.83	0.0	35.33	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	34.22	-0.41	0.0	0.0	0.0	0.0
5	83	0.57	0.0	0.0	-0.83	0.0	-38.28	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-39.38	-0.41	0.0	0.0	0.0	0.0
5	86	0.57	0.0	0.0	-0.83	0.0	31.07	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	29.97	-0.41	0.0	0.0	0.0	0.0
5	115	0.57	0.0	0.0	-0.83	0.0	-62.77	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-63.87	-0.41	0.0	0.0	0.0	0.0
5	118	0.57	0.0	0.0	-0.83	0.0	55.56	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	54.46	-0.41	0.0	0.0	0.0	0.0
6	3	0.57	0.0	0.0	-0.83	0.0	-4.95	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-3.85	-0.41	0.0	0.0	0.0	0.0
6	6	0.74	0.0	0.0	-1.08	0.0	-9.88	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-8.44	-0.54	0.0	0.0	0.0	0.0
6	9	0.57	0.0	0.0	-0.83	0.0	-4.18	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-3.07	-0.41	0.0	0.0	0.0	0.0
6	12	0.57	0.0	0.0	-0.83	0.0	-6.94	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-5.83	-0.41	0.0	0.0	0.0	0.0
6	13	0.57	0.0	0.0	-0.83	0.0	-2.63	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-1.52	-0.41	0.0	0.0	0.0	0.0
6	16	0.57	0.0	0.0	-0.83	0.0	-3.89	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-2.78	-0.41	0.0	0.0	0.0	0.0
6	17	0.57	0.0	0.0	-0.83	0.0	-2.63	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-1.52	-0.41	0.0	0.0	0.0	0.0
6	18	0.57	0.0	0.0	-0.83	0.0	-3.37	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-2.26	-0.41	0.0	0.0	0.0	0.0
6	19	0.57	0.0	0.0	-0.83	0.0	52.34	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	53.45	-0.41	0.0	0.0	0.0	0.0
6	22	0.57	0.0	0.0	-0.83	0.0	-59.08	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-57.98	-0.41	0.0	0.0	0.0	0.0
6	51	0.57	0.0	0.0	-0.83	0.0	39.42	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	40.53	-0.41	0.0	0.0	0.0	0.0
6	54	0.57	0.0	0.0	-0.83	0.0	-46.16	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-45.05	-0.41	0.0	0.0	0.0	0.0
6	83	0.57	0.0	0.0	-0.83	0.0	34.74	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	35.85	-0.41	0.0	0.0	0.0	0.0
6	86	0.57	0.0	0.0	-0.83	0.0	-41.48	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-40.38	-0.41	0.0	0.0	0.0	0.0
6	115	0.57	0.0	0.0	-0.83	0.0	61.71	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	62.82	-0.41	0.0	0.0	0.0	0.0
6	118	0.57	0.0	0.0	-0.83	0.0	-68.45	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-67.35	-0.41	0.0	0.0	0.0	0.0
7	2	0.66	0.0	0.0	-1.08	0.0	0.91	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-0.27	-0.54	0.0	0.0	0.0	0.0
7	5	0.66	0.0	0.0	-1.08	0.0	1.41	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	0.23	-0.54	0.0	0.0	0.0	0.0
7	10	0.51	0.0	0.0	-0.83	0.0	0.70	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-0.20	-0.41	0.0	0.0	0.0	0.0
7	11	0.51	0.0	0.0	-0.83	0.0	1.04	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	0.13	-0.41	0.0	0.0	0.0	0.0
7	14	0.51	0.0	0.0	-0.83	0.0	0.63	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-0.27	-0.41	0.0	0.0	0.0	0.0
7	15	0.51	0.0	0.0	-0.83	0.0	0.80	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-0.11	-0.41	0.0	0.0	0.0	0.0
7	17	0.51	0.0	0.0	-0.83	0.0	0.74	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-0.17	-0.41	0.0	0.0	0.0	0.0
7	18	0.51	0.0	0.0	-0.83	0.0	0.67	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-0.23	-0.41	0.0	0.0	0.0	0.0
7	24	0.51	0.0	0.0	-0.83	0.0	49.65	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	48.75	-0.41	0.0	0.0	0.0	0.0
7	25	0.51	0.0	0.0	-0.83	0.0	-48.31	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-49.21	-0.41	0.0	0.0	0.0	0.0
7	56	0.51	0.0	0.0	-0.83	0.0	38.14	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	37.23	-0.41	0.0	0.0	0.0	0.0
7	57	0.51	0.0	0.0	-0.83	0.0	-36.79	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-37.69	-0.41	0.0	0.0	0.0	0.0
7	88	0.51	0.0	0.0	-0.83	0.0	34.03	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	33.13	-0.41	0.0	0.0	0.0	0.0
7	89	0.51	0.0	0.0	-0.83	0.0	-32.68	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-33.59	-0.41	0.0	0.0	0.0	0.0
7	120	0.51	0.0	0.0	-0.83	0.0	57.94	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	57.04	-0.41	0.0	0.0	0.0	0.0
7	121	0.51	0.0	0.0	-0.83	0.0	-56.60	0.41	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	488.4	-57.50	-0.41	0.0	0.0	0.0	0.0
8	2	0.66	0.0	0.0	-1.08	0.0	5.64	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	6.82	-0.54	0.0	0.0	0.0	0.0
8	3	0.51	0.0	0.0	-0.83	0.0	1.35	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	2.25	-0.41	0.0	0.0	0.0	0.0
8	9	0.51	0.0	0.0	-0.83	0.0	1.26	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	2.17	-0.41	0.0	0.0	0.0	0.0
8	10	0.51	0.0	0.0	-0.83	0.0	3.91	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	4.81	-0.41	0.0	0.0	0.0	0.0
8	13	0.51	0.0	0.0	-0.83	0.0	1.10	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	2.00	-0.41	0.0	0.0	0.0	0.0
8	14	0.51	0.0	0.0	-0.83	0.0	2.42	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	3.32	-0.41	0.0	0.0	0.0	0.0
8	17	0.51	0.0	0.0	-0.83	0.0	1.10	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	2.00	-0.41	0.0	0.0	0.0	0.0
8	18	0.51	0.0	0.0	-0.83	0.0	1.89	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	2.79	-0.41	0.0	0.0	0.0	0.0
8	20	0.51	0.0	0.0	-0.83	0.0	-40.01	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-39.10	-0.41	0.0	0.0	0.0	0.0
8	21	0.51	0.0	0.0	-0.83	0.0	43.79	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	44.69	-0.41	0.0	0.0	0.0	0.0
8	52	0.51	0.0	0.0	-0.83	0.0	-29.98	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-29.08	-0.41	0.0	0.0	0.0	0.0
8	53	0.51	0.0	0.0	-0.83	0.0	33.76	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	34.67	-0.41	0.0	0.0	0.0	0.0
8	84	0.51	0.0	0.0	-0.83	0.0	-26.47	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-25.57	-0.41	0.0	0.0	0.0	0.0
8	85	0.51	0.0	0.0	-0.83	0.0	30.25	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	31.15	-0.41	0.0	0.0	0.0	0.0
8	116	0.51	0.0	0.0	-0.83	0.0	-47.15	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	-46.25	-0.41	0.0	0.0	0.0	0.0
8	117	0.51	0.0	0.0	-0.83	0.0	50.93	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	488.4	51.84	-0.41	0.0	0.0	0.0	0.0
9	2	0.52	0.0	0.0	-1.08	0.0	-5.76	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-6.41	-0.54	0.0	0.0	0.0	0.0
9	3	0.40	0.0	0.0	-0.83	0.0	-1.63	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-2.13	-0.41	0.0	0.0	0.0	0.0
9	9	0.40	0.0	0.0	-0.83	0.0	-1.52	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-2.02	-0.41	0.0	0.0	0.0	0.0
9	10	0.40	0.0	0.0	-0.83	0.0	-4.01	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-4.52	-0.41	0.0	0.0	0.0	0.0
9	13	0.40	0.0	0.0	-0.83	0.0	-1.31	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-1.81	-0.41	0.0	0.0	0.0	0.0
9	14	0.40	0.0	0.0	-0.83	0.0	-2.56	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-3.06	-0.41	0.0	0.0	0.0	0.0
9	17	0.40	0.0	0.0	-0.83	0.0	-1.31	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-1.81	-0.41	0.0	0.0	0.0	0.0
9	18	0.40	0.0	0.0	-0.83	0.0	-2.06	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-2.56	-0.41	0.0	0.0	0.0	0.0
9	20	0.40	0.0	0.0	-0.83	0.0	32.12	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	31.62	-0.41	0.0	0.0	0.0	0.0
9	21	0.40	0.0	0.0	-0.83	0.0	-36.23	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-36.74	-0.41	0.0	0.0	0.0	0.0
9	52	0.40	0.0	0.0	-0.83	0.0	23.90	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	23.40	-0.41	0.0	0.0	0.0	0.0
9	53	0.40	0.0	0.0	-0.83	0.0	-28.02	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-28.52	-0.41	0.0	0.0	0.0	0.0
9	84	0.40	0.0	0.0	-0.83	0.0	21.04	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	20.54	-0.41	0.0	0.0	0.0	0.0
9	85	0.40	0.0	0.0	-0.83	0.0	-25.16	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-25.66	-0.41	0.0	0.0	0.0	0.0
9	116	0.40	0.0	0.0	-0.83	0.0	37.96	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	37.46	-0.41	0.0	0.0	0.0	0.0
9	117	0.40	0.0	0.0	-0.83	0.0	-42.08	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-42.58	-0.41	0.0	0.0	0.0	0.0
10	1	0.52	0.0	0.0	-1.08	0.0	-0.80	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.15	-0.54	0.0	0.0	0.0	0.0
10	6	0.52	0.0	0.0	-1.08	0.0	-1.01	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.36	-0.54	0.0	0.0	0.0	0.0
10	9	0.40	0.0	0.0	-0.83	0.0	-0.60	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.10	-0.41	0.0	0.0	0.0	0.0
10	12	0.40	0.0	0.0	-0.83	0.0	-0.74	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.24	-0.41	0.0	0.0	0.0	0.0
10	13	0.40	0.0	0.0	-0.83	0.0	-0.48	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	0.02	-0.41	0.0	0.0	0.0	0.0

10	16	0.40	0.0	0.0	-0.83	0.0	-0.55	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-0.05	-0.41	0.0	0.0	0.0	0.0
10	17	0.40	0.0	0.0	-0.83	0.0	-0.48	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	0.02	-0.41	0.0	0.0	0.0	0.0
10	18	0.40	0.0	0.0	-0.83	0.0	-0.51	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-7.88e-03	-0.41	0.0	0.0	0.0	0.0
10	20	0.40	0.0	0.0	-0.83	0.0	-36.70	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-36.20	-0.41	0.0	0.0	0.0	0.0
10	21	0.40	0.0	0.0	-0.83	0.0	35.68	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	36.18	-0.41	0.0	0.0	0.0	0.0
10	52	0.40	0.0	0.0	-0.83	0.0	-27.99	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-27.49	-0.41	0.0	0.0	0.0	0.0
10	53	0.40	0.0	0.0	-0.83	0.0	26.97	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	27.47	-0.41	0.0	0.0	0.0	0.0
10	84	0.40	0.0	0.0	-0.83	0.0	-24.96	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-24.46	-0.41	0.0	0.0	0.0	0.0
10	85	0.40	0.0	0.0	-0.83	0.0	23.94	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	24.44	-0.41	0.0	0.0	0.0	0.0
10	116	0.40	0.0	0.0	-0.83	0.0	-42.88	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	-42.38	-0.41	0.0	0.0	0.0	0.0
10	117	0.40	0.0	0.0	-0.83	0.0	41.86	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	385.9	42.37	-0.41	0.0	0.0	0.0	0.0
11	2	0.74	0.0	0.0	-1.08	0.0	-11.00	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-12.44	-0.54	0.0	0.0	0.0	0.0
11	7	0.57	0.0	0.0	-0.83	0.0	-0.67	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-1.78	-0.41	0.0	0.0	0.0	0.0
11	10	0.57	0.0	0.0	-0.83	0.0	-7.75	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-8.85	-0.41	0.0	0.0	0.0	0.0
11	11	0.57	0.0	0.0	-0.83	0.0	-1.47	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-2.58	-0.41	0.0	0.0	0.0	0.0
11	14	0.57	0.0	0.0	-0.83	0.0	-5.89	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-6.99	-0.41	0.0	0.0	0.0	0.0
11	15	0.57	0.0	0.0	-0.83	0.0	-2.75	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-3.85	-0.41	0.0	0.0	0.0	0.0
11	17	0.57	0.0	0.0	-0.83	0.0	-3.07	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-4.17	-0.41	0.0	0.0	0.0	0.0
11	18	0.57	0.0	0.0	-0.83	0.0	-4.76	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-5.86	-0.41	0.0	0.0	0.0	0.0
11	24	0.57	0.0	0.0	-0.83	0.0	51.04	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	49.94	-0.41	0.0	0.0	0.0	0.0
11	25	0.57	0.0	0.0	-0.83	0.0	-60.56	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-61.67	-0.41	0.0	0.0	0.0	0.0
11	56	0.57	0.0	0.0	-0.83	0.0	38.13	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	37.03	-0.41	0.0	0.0	0.0	0.0
11	57	0.57	0.0	0.0	-0.83	0.0	-47.65	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-48.75	-0.41	0.0	0.0	0.0	0.0
11	88	0.57	0.0	0.0	-0.83	0.0	33.45	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	32.35	-0.41	0.0	0.0	0.0	0.0
11	89	0.57	0.0	0.0	-0.83	0.0	-42.97	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-44.07	-0.41	0.0	0.0	0.0	0.0
11	120	0.57	0.0	0.0	-0.83	0.0	60.42	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	59.32	-0.41	0.0	0.0	0.0	0.0
11	121	0.57	0.0	0.0	-0.83	0.0	-69.94	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-71.04	-0.41	0.0	0.0	0.0	0.0
12	3	0.57	0.0	0.0	-0.83	0.0	-2.37	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-1.26	-0.41	0.0	0.0	0.0	0.0
12	6	0.74	0.0	0.0	-1.08	0.0	-3.98	0.54	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-2.54	-0.54	0.0	0.0	0.0	0.0
12	9	0.57	0.0	0.0	-0.83	0.0	-2.14	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-1.04	-0.41	0.0	0.0	0.0	0.0
12	12	0.57	0.0	0.0	-0.83	0.0	-2.88	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-1.77	-0.41	0.0	0.0	0.0	0.0
12	13	0.57	0.0	0.0	-0.83	0.0	-1.70	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-0.59	-0.41	0.0	0.0	0.0	0.0
12	16	0.57	0.0	0.0	-0.83	0.0	-2.03	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-0.93	-0.41	0.0	0.0	0.0	0.0
12	17	0.57	0.0	0.0	-0.83	0.0	-1.70	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-0.59	-0.41	0.0	0.0	0.0	0.0
12	18	0.57	0.0	0.0	-0.83	0.0	-1.88	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-0.78	-0.41	0.0	0.0	0.0	0.0
12	24	0.57	0.0	0.0	-0.83	0.0	-51.52	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-50.42	-0.41	0.0	0.0	0.0	0.0
12	25	0.57	0.0	0.0	-0.83	0.0	47.76	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	48.86	-0.41	0.0	0.0	0.0	0.0
12	56	0.57	0.0	0.0	-0.83	0.0	-39.91	0.41	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	550.0	-38.81	-0.41	0.0	0.0	0.0	0.0
12	57	0.57	0.0	0.0	-0.83	0.0	36.15	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	37.25	-0.41	0.0	0.0	0.0	0.0
12	88	0.57	0.0	0.0	-0.83	0.0	-35.75	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-34.65	-0.41	0.0	0.0	0.0	0.0
12	89	0.57	0.0	0.0	-0.83	0.0	31.98	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	33.09	-0.41	0.0	0.0	0.0	0.0
12	120	0.57	0.0	0.0	-0.83	0.0	-59.91	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	-58.80	-0.41	0.0	0.0	0.0	0.0
12	121	0.57	0.0	0.0	-0.83	0.0	56.14	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	550.0	57.24	-0.41	0.0	0.0	0.0	0.0
13	2	0.81	0.0	0.0	-1.46	0.0	-1.35	0.73	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-1.35	-0.73	0.0	0.0	0.0	0.0
13	7	0.62	0.0	0.0	-1.12	0.0	-0.26	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-0.26	-0.56	0.0	0.0	0.0	0.0
13	10	0.62	0.0	0.0	-1.12	0.0	-0.94	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-0.94	-0.56	0.0	0.0	0.0	0.0
13	11	0.62	0.0	0.0	-1.12	0.0	-0.28	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-0.28	-0.56	0.0	0.0	0.0	0.0
13	14	0.62	0.0	0.0	-1.12	0.0	-0.64	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-0.64	-0.56	0.0	0.0	0.0	0.0
13	15	0.62	0.0	0.0	-1.12	0.0	-0.31	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-0.31	-0.56	0.0	0.0	0.0	0.0
13	17	0.62	0.0	0.0	-1.12	0.0	-0.31	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-0.31	-0.56	0.0	0.0	0.0	0.0
13	18	0.62	0.0	0.0	-1.12	0.0	-0.51	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-0.51	-0.56	0.0	0.0	0.0	0.0
13	19	0.62	0.0	0.0	-1.12	0.0	23.02	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	23.02	-0.56	0.0	0.0	0.0	0.0
13	22	0.62	0.0	0.0	-1.12	0.0	-24.04	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-24.04	-0.56	0.0	0.0	0.0	0.0
13	51	0.62	0.0	0.0	-1.12	0.0	17.28	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	17.28	-0.56	0.0	0.0	0.0	0.0
13	54	0.62	0.0	0.0	-1.12	0.0	-18.30	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-18.30	-0.56	0.0	0.0	0.0	0.0
13	83	0.62	0.0	0.0	-1.12	0.0	15.31	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	15.31	-0.56	0.0	0.0	0.0	0.0
13	86	0.62	0.0	0.0	-1.12	0.0	-16.33	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-16.33	-0.56	0.0	0.0	0.0	0.0
13	115	0.62	0.0	0.0	-1.12	0.0	27.07	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	27.07	-0.56	0.0	0.0	0.0	0.0
13	118	0.62	0.0	0.0	-1.12	0.0	-28.09	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-28.09	-0.56	0.0	0.0	0.0	0.0
14	2	0.81	0.0	0.0	-1.46	0.0	2.23	0.73	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	2.23	-0.73	0.0	0.0	0.0	0.0
14	3	0.62	0.0	0.0	-1.12	0.0	0.58	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	0.58	-0.56	0.0	0.0	0.0	0.0
14	9	0.62	0.0	0.0	-1.12	0.0	0.58	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	0.58	-0.56	0.0	0.0	0.0	0.0
14	10	0.62	0.0	0.0	-1.12	0.0	1.56	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	1.56	-0.56	0.0	0.0	0.0	0.0
14	13	0.62	0.0	0.0	-1.12	0.0	0.56	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	0.56	-0.56	0.0	0.0	0.0	0.0
14	14	0.62	0.0	0.0	-1.12	0.0	1.06	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	1.06	-0.56	0.0	0.0	0.0	0.0
14	17	0.62	0.0	0.0	-1.12	0.0	0.56	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	0.56	-0.56	0.0	0.0	0.0	0.0
14	18	0.62	0.0	0.0	-1.12	0.0	0.86	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	0.86	-0.56	0.0	0.0	0.0	0.0
14	20	0.62	0.0	0.0	-1.12	0.0	-22.59	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-22.59	-0.56	0.0	0.0	0.0	0.0
14	21	0.62	0.0	0.0	-1.12	0.0	24.31	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	24.31	-0.56	0.0	0.0	0.0	0.0
14	52	0.62	0.0	0.0	-1.12	0.0	-16.88	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-16.88	-0.56	0.0	0.0	0.0	0.0
14	53	0.62	0.0	0.0	-1.12	0.0	18.61	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	18.61	-0.56	0.0	0.0	0.0	0.0
14	84	0.62	0.0	0.0	-1.12	0.0	-14.92	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-14.92	-0.56	0.0	0.0	0.0	0.0
14	85	0.62	0.0	0.0	-1.12	0.0	16.64	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	16.64	-0.56	0.0	0.0	0.0	0.0
14	116	0.62	0.0	0.0	-1.12	0.0	-26.61	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	-26.61	-0.56	0.0	0.0	0.0	0.0
14	117	0.62	0.0	0.0	-1.12	0.0	28.34	0.56	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	446.0	28.34	-0.56	0.0	0.0	0.0	0.0

15	2	0.44	0.0	0.0	-1.07	0.0	-1.26	0.53	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-1.26	-0.53	0.0	0.0	0.0	0.0
15	7	0.34	0.0	0.0	-0.82	0.0	-0.27	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-0.27	-0.41	0.0	0.0	0.0	0.0
15	10	0.34	0.0	0.0	-0.82	0.0	-0.88	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-0.88	-0.41	0.0	0.0	0.0	0.0
15	11	0.34	0.0	0.0	-0.82	0.0	-0.27	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-0.27	-0.41	0.0	0.0	0.0	0.0
15	14	0.34	0.0	0.0	-0.82	0.0	-0.58	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-0.58	-0.41	0.0	0.0	0.0	0.0
15	15	0.34	0.0	0.0	-0.82	0.0	-0.28	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-0.28	-0.41	0.0	0.0	0.0	0.0
15	17	0.34	0.0	0.0	-0.82	0.0	-0.28	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-0.28	-0.41	0.0	0.0	0.0	0.0
15	18	0.34	0.0	0.0	-0.82	0.0	-0.46	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-0.46	-0.41	0.0	0.0	0.0	0.0
15	19	0.34	0.0	0.0	-0.82	0.0	19.45	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	19.45	-0.41	0.0	0.0	0.0	0.0
15	22	0.34	0.0	0.0	-0.82	0.0	-20.37	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-20.37	-0.41	0.0	0.0	0.0	0.0
15	51	0.34	0.0	0.0	-0.82	0.0	14.62	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	14.62	-0.41	0.0	0.0	0.0	0.0
15	54	0.34	0.0	0.0	-0.82	0.0	-15.55	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-15.55	-0.41	0.0	0.0	0.0	0.0
15	83	0.34	0.0	0.0	-0.82	0.0	12.96	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	12.96	-0.41	0.0	0.0	0.0	0.0
15	86	0.34	0.0	0.0	-0.82	0.0	-13.88	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-13.88	-0.41	0.0	0.0	0.0	0.0
15	115	0.34	0.0	0.0	-0.82	0.0	22.87	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	22.87	-0.41	0.0	0.0	0.0	0.0
15	118	0.34	0.0	0.0	-0.82	0.0	-23.79	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-23.79	-0.41	0.0	0.0	0.0	0.0
16	2	0.44	0.0	0.0	-1.07	0.0	1.32	0.53	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	1.32	-0.53	0.0	0.0	0.0	0.0
16	7	0.34	0.0	0.0	-0.82	0.0	0.35	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	0.35	-0.41	0.0	0.0	0.0	0.0
16	10	0.34	0.0	0.0	-0.82	0.0	0.93	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	0.93	-0.41	0.0	0.0	0.0	0.0
16	11	0.34	0.0	0.0	-0.82	0.0	0.35	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	0.35	-0.41	0.0	0.0	0.0	0.0
16	14	0.34	0.0	0.0	-0.82	0.0	0.64	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	0.64	-0.41	0.0	0.0	0.0	0.0
16	15	0.34	0.0	0.0	-0.82	0.0	0.36	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	0.36	-0.41	0.0	0.0	0.0	0.0
16	17	0.34	0.0	0.0	-0.82	0.0	0.36	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	0.36	-0.41	0.0	0.0	0.0	0.0
16	18	0.34	0.0	0.0	-0.82	0.0	0.53	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	0.53	-0.41	0.0	0.0	0.0	0.0
16	20	0.34	0.0	0.0	-0.82	0.0	-19.41	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-19.41	-0.41	0.0	0.0	0.0	0.0
16	21	0.34	0.0	0.0	-0.82	0.0	20.47	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	20.47	-0.41	0.0	0.0	0.0	0.0
16	52	0.34	0.0	0.0	-0.82	0.0	-14.58	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-14.58	-0.41	0.0	0.0	0.0	0.0
16	53	0.34	0.0	0.0	-0.82	0.0	15.64	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	15.64	-0.41	0.0	0.0	0.0	0.0
16	84	0.34	0.0	0.0	-0.82	0.0	-12.91	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-12.91	-0.41	0.0	0.0	0.0	0.0
16	85	0.34	0.0	0.0	-0.82	0.0	13.97	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	13.97	-0.41	0.0	0.0	0.0	0.0
16	116	0.34	0.0	0.0	-0.82	0.0	-22.83	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	-22.83	-0.41	0.0	0.0	0.0	0.0
16	117	0.34	0.0	0.0	-0.82	0.0	23.89	0.41	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	327.0	23.89	-0.41	0.0	0.0	0.0	0.0
17	2	0.46	0.0	0.0	-1.10	0.0	-0.57	0.55	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-0.57	-0.55	0.0	0.0	0.0	0.0
17	7	0.35	0.0	0.0	-0.84	0.0	-0.14	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-0.14	-0.42	0.0	0.0	0.0	0.0
17	10	0.35	0.0	0.0	-0.84	0.0	-0.40	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-0.40	-0.42	0.0	0.0	0.0	0.0
17	11	0.35	0.0	0.0	-0.84	0.0	-0.14	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-0.14	-0.42	0.0	0.0	0.0	0.0
17	14	0.35	0.0	0.0	-0.84	0.0	-0.27	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-0.27	-0.42	0.0	0.0	0.0	0.0
17	15	0.35	0.0	0.0	-0.84	0.0	-0.14	0.42	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	335.4	-0.14	-0.42	0.0	0.0	0.0	0.0
17	17	0.35	0.0	0.0	-0.84	0.0	-0.14	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-0.14	-0.42	0.0	0.0	0.0	0.0
17	18	0.35	0.0	0.0	-0.84	0.0	-0.22	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-0.22	-0.42	0.0	0.0	0.0	0.0
17	20	0.35	0.0	0.0	-0.84	0.0	6.82	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	6.82	-0.42	0.0	0.0	0.0	0.0
17	21	0.35	0.0	0.0	-0.84	0.0	-7.26	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-7.26	-0.42	0.0	0.0	0.0	0.0
17	52	0.35	0.0	0.0	-0.84	0.0	5.11	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	5.11	-0.42	0.0	0.0	0.0	0.0
17	53	0.35	0.0	0.0	-0.84	0.0	-5.54	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-5.54	-0.42	0.0	0.0	0.0	0.0
17	84	0.35	0.0	0.0	-0.84	0.0	4.52	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	4.52	-0.42	0.0	0.0	0.0	0.0
17	85	0.35	0.0	0.0	-0.84	0.0	-4.95	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-4.95	-0.42	0.0	0.0	0.0	0.0
17	116	0.35	0.0	0.0	-0.84	0.0	8.03	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	8.03	-0.42	0.0	0.0	0.0	0.0
17	117	0.35	0.0	0.0	-0.84	0.0	-8.46	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-8.46	-0.42	0.0	0.0	0.0	0.0
18	2	0.46	0.0	0.0	-1.10	0.0	0.77	0.55	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	0.77	-0.55	0.0	0.0	0.0	0.0
18	7	0.35	0.0	0.0	-0.84	0.0	0.18	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	0.18	-0.42	0.0	0.0	0.0	0.0
18	10	0.35	0.0	0.0	-0.84	0.0	0.53	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	0.53	-0.42	0.0	0.0	0.0	0.0
18	11	0.35	0.0	0.0	-0.84	0.0	0.18	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	0.18	-0.42	0.0	0.0	0.0	0.0
18	14	0.35	0.0	0.0	-0.84	0.0	0.36	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	0.36	-0.42	0.0	0.0	0.0	0.0
18	15	0.35	0.0	0.0	-0.84	0.0	0.19	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	0.19	-0.42	0.0	0.0	0.0	0.0
18	17	0.35	0.0	0.0	-0.84	0.0	0.19	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	0.19	-0.42	0.0	0.0	0.0	0.0
18	18	0.35	0.0	0.0	-0.84	0.0	0.29	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	0.29	-0.42	0.0	0.0	0.0	0.0
18	19	0.35	0.0	0.0	-0.84	0.0	-6.74	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-6.74	-0.42	0.0	0.0	0.0	0.0
18	22	0.35	0.0	0.0	-0.84	0.0	7.32	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	7.32	-0.42	0.0	0.0	0.0	0.0
18	51	0.35	0.0	0.0	-0.84	0.0	-5.03	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-5.03	-0.42	0.0	0.0	0.0	0.0
18	54	0.35	0.0	0.0	-0.84	0.0	5.61	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	5.61	-0.42	0.0	0.0	0.0	0.0
18	83	0.35	0.0	0.0	-0.84	0.0	-4.44	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-4.44	-0.42	0.0	0.0	0.0	0.0
18	86	0.35	0.0	0.0	-0.84	0.0	5.02	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	5.02	-0.42	0.0	0.0	0.0	0.0
18	115	0.35	0.0	0.0	-0.84	0.0	-7.95	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	-7.95	-0.42	0.0	0.0	0.0	0.0
18	118	0.35	0.0	0.0	-0.84	0.0	8.53	0.42	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	335.4	8.53	-0.42	0.0	0.0	0.0	0.0
19	2	0.59	0.0	0.0	-0.98	0.0	-3.33	0.49	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-2.09	-0.49	0.0	0.0	0.0	0.0
19	7	0.46	0.0	0.0	-0.75	0.0	-1.56	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.61	-0.38	0.0	0.0	0.0	0.0
19	10	0.46	0.0	0.0	-0.75	0.0	-2.43	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-1.48	-0.38	0.0	0.0	0.0	0.0
19	11	0.46	0.0	0.0	-0.75	0.0	-1.57	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.61	-0.38	0.0	0.0	0.0	0.0
19	14	0.46	0.0	0.0	-0.75	0.0	-2.01	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-1.05	-0.38	0.0	0.0	0.0	0.0
19	15	0.46	0.0	0.0	-0.75	0.0	-1.57	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.62	-0.38	0.0	0.0	0.0	0.0
19	17	0.46	0.0	0.0	-0.75	0.0	-1.57	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.62	-0.38	0.0	0.0	0.0	0.0
19	18	0.46	0.0	0.0	-0.75	0.0	-1.83	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.88	-0.38	0.0	0.0	0.0	0.0
19	20	0.46	0.0	0.0	-0.75	0.0	28.11	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	29.07	-0.38	0.0	0.0	0.0	0.0
19	21	0.46	0.0	0.0	-0.75	0.0	-31.78	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-30.82	-0.38	0.0	0.0	0.0	0.0
19	52	0.46	0.0	0.0	-0.75	0.0	20.88	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	21.83	-0.38	0.0	0.0	0.0	0.0

19	53	0.46	0.0	0.0	-0.75	0.0	-24.54	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-23.59	-0.38	0.0	0.0	0.0	0.0
19	84	0.46	0.0	0.0	-0.75	0.0	18.37	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	19.33	-0.38	0.0	0.0	0.0	0.0
19	85	0.46	0.0	0.0	-0.75	0.0	-22.04	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-21.08	-0.38	0.0	0.0	0.0	0.0
19	116	0.46	0.0	0.0	-0.75	0.0	33.24	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	34.20	-0.38	0.0	0.0	0.0	0.0
19	117	0.46	0.0	0.0	-0.75	0.0	-36.91	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-35.96	-0.38	0.0	0.0	0.0	0.0
20	2	0.59	0.0	0.0	-0.98	0.0	1.72	0.49	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	0.48	-0.49	0.0	0.0	0.0	0.0
20	5	0.59	0.0	0.0	-0.98	0.0	0.40	0.49	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.84	-0.49	0.0	0.0	0.0	0.0
20	10	0.46	0.0	0.0	-0.75	0.0	1.19	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	0.24	-0.38	0.0	0.0	0.0	0.0
20	11	0.46	0.0	0.0	-0.75	0.0	0.31	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.65	-0.38	0.0	0.0	0.0	0.0
20	14	0.46	0.0	0.0	-0.75	0.0	0.76	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.20	-0.38	0.0	0.0	0.0	0.0
20	15	0.46	0.0	0.0	-0.75	0.0	0.32	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.64	-0.38	0.0	0.0	0.0	0.0
20	17	0.46	0.0	0.0	-0.75	0.0	0.32	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.64	-0.38	0.0	0.0	0.0	0.0
20	18	0.46	0.0	0.0	-0.75	0.0	0.58	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-0.37	-0.38	0.0	0.0	0.0	0.0
20	20	0.46	0.0	0.0	-0.75	0.0	-29.36	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-30.32	-0.38	0.0	0.0	0.0	0.0
20	21	0.46	0.0	0.0	-0.75	0.0	30.53	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	29.57	-0.38	0.0	0.0	0.0	0.0
20	52	0.46	0.0	0.0	-0.75	0.0	-22.13	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-23.08	-0.38	0.0	0.0	0.0	0.0
20	53	0.46	0.0	0.0	-0.75	0.0	23.29	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	22.34	-0.38	0.0	0.0	0.0	0.0
20	84	0.46	0.0	0.0	-0.75	0.0	-19.62	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-20.58	-0.38	0.0	0.0	0.0	0.0
20	85	0.46	0.0	0.0	-0.75	0.0	20.79	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	19.83	-0.38	0.0	0.0	0.0	0.0
20	116	0.46	0.0	0.0	-0.75	0.0	-34.49	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	-35.45	-0.38	0.0	0.0	0.0	0.0
20	117	0.46	0.0	0.0	-0.75	0.0	35.66	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	484.1	34.70	-0.38	0.0	0.0	0.0	0.0
21	2	0.57	0.0	0.0	-0.98	0.0	-4.61	0.49	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-3.43	-0.49	0.0	0.0	0.0	0.0
21	7	0.44	0.0	0.0	-0.75	0.0	-2.32	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.42	-0.38	0.0	0.0	0.0	0.0
21	10	0.44	0.0	0.0	-0.75	0.0	-3.38	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-2.48	-0.38	0.0	0.0	0.0	0.0
21	11	0.44	0.0	0.0	-0.75	0.0	-2.33	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.42	-0.38	0.0	0.0	0.0	0.0
21	14	0.44	0.0	0.0	-0.75	0.0	-2.87	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.96	-0.38	0.0	0.0	0.0	0.0
21	15	0.44	0.0	0.0	-0.75	0.0	-2.34	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.43	-0.38	0.0	0.0	0.0	0.0
21	17	0.44	0.0	0.0	-0.75	0.0	-2.34	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.44	-0.38	0.0	0.0	0.0	0.0
21	18	0.44	0.0	0.0	-0.75	0.0	-2.66	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.75	-0.38	0.0	0.0	0.0	0.0
21	20	0.44	0.0	0.0	-0.75	0.0	27.25	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	28.16	-0.38	0.0	0.0	0.0	0.0
21	21	0.44	0.0	0.0	-0.75	0.0	-32.57	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-31.66	-0.38	0.0	0.0	0.0	0.0
21	52	0.44	0.0	0.0	-0.75	0.0	20.06	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	20.97	-0.38	0.0	0.0	0.0	0.0
21	53	0.44	0.0	0.0	-0.75	0.0	-25.38	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-24.47	-0.38	0.0	0.0	0.0	0.0
21	84	0.44	0.0	0.0	-0.75	0.0	17.56	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	18.46	-0.38	0.0	0.0	0.0	0.0
21	85	0.44	0.0	0.0	-0.75	0.0	-22.87	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-21.97	-0.38	0.0	0.0	0.0	0.0
21	116	0.44	0.0	0.0	-0.75	0.0	32.37	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	33.27	-0.38	0.0	0.0	0.0	0.0
21	117	0.44	0.0	0.0	-0.75	0.0	-37.68	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-36.78	-0.38	0.0	0.0	0.0	0.0
22	4	0.44	0.0	0.0	-0.75	0.0	0.43	0.38	0.0	0.0	0.0	0.0

		0.0	0.0	0.0	0.0	468.6	-0.47	-0.38	0.0	0.0	0.0	0.0
22	5	0.57	0.0	0.0	-0.98	0.0	-0.69	0.49	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.86	-0.49	0.0	0.0	0.0	0.0
22	10	0.44	0.0	0.0	-0.75	0.0	0.11	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-0.79	-0.38	0.0	0.0	0.0	0.0
22	11	0.44	0.0	0.0	-0.75	0.0	-0.53	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.43	-0.38	0.0	0.0	0.0	0.0
22	14	0.44	0.0	0.0	-0.75	0.0	-0.21	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.11	-0.38	0.0	0.0	0.0	0.0
22	15	0.44	0.0	0.0	-0.75	0.0	-0.53	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.43	-0.38	0.0	0.0	0.0	0.0
22	17	0.44	0.0	0.0	-0.75	0.0	-0.53	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.43	-0.38	0.0	0.0	0.0	0.0
22	18	0.44	0.0	0.0	-0.75	0.0	-0.33	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-1.24	-0.38	0.0	0.0	0.0	0.0
22	19	0.44	0.0	0.0	-0.75	0.0	-30.21	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-31.12	-0.38	0.0	0.0	0.0	0.0
22	22	0.44	0.0	0.0	-0.75	0.0	29.54	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	28.64	-0.38	0.0	0.0	0.0	0.0
22	51	0.44	0.0	0.0	-0.75	0.0	-23.02	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-23.92	-0.38	0.0	0.0	0.0	0.0
22	54	0.44	0.0	0.0	-0.75	0.0	22.35	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	21.45	-0.38	0.0	0.0	0.0	0.0
22	83	0.44	0.0	0.0	-0.75	0.0	-20.52	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-21.42	-0.38	0.0	0.0	0.0	0.0
22	86	0.44	0.0	0.0	-0.75	0.0	19.85	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	18.95	-0.38	0.0	0.0	0.0	0.0
22	115	0.44	0.0	0.0	-0.75	0.0	-35.33	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	-36.23	-0.38	0.0	0.0	0.0	0.0
22	118	0.44	0.0	0.0	-0.75	0.0	34.66	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	468.6	33.75	-0.38	0.0	0.0	0.0	0.0
23	2	0.49	0.0	0.0	-0.98	0.0	-4.49	0.49	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-3.64	-0.49	0.0	0.0	0.0	0.0
23	7	0.37	0.0	0.0	-0.75	0.0	-2.38	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-1.72	-0.38	0.0	0.0	0.0	0.0
23	10	0.37	0.0	0.0	-0.75	0.0	-3.31	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-2.66	-0.38	0.0	0.0	0.0	0.0
23	11	0.37	0.0	0.0	-0.75	0.0	-2.38	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-1.73	-0.38	0.0	0.0	0.0	0.0
23	14	0.37	0.0	0.0	-0.75	0.0	-2.86	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-2.21	-0.38	0.0	0.0	0.0	0.0
23	15	0.37	0.0	0.0	-0.75	0.0	-2.40	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-1.75	-0.38	0.0	0.0	0.0	0.0
23	17	0.37	0.0	0.0	-0.75	0.0	-2.40	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-1.75	-0.38	0.0	0.0	0.0	0.0
23	18	0.37	0.0	0.0	-0.75	0.0	-2.68	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-2.03	-0.38	0.0	0.0	0.0	0.0
23	20	0.37	0.0	0.0	-0.75	0.0	22.14	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	22.79	-0.38	0.0	0.0	0.0	0.0
23	21	0.37	0.0	0.0	-0.75	0.0	-27.50	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-26.84	-0.38	0.0	0.0	0.0	0.0
23	52	0.37	0.0	0.0	-0.75	0.0	16.18	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	16.83	-0.38	0.0	0.0	0.0	0.0
23	53	0.37	0.0	0.0	-0.75	0.0	-21.54	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-20.89	-0.38	0.0	0.0	0.0	0.0
23	84	0.37	0.0	0.0	-0.75	0.0	14.11	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	14.76	-0.38	0.0	0.0	0.0	0.0
23	85	0.37	0.0	0.0	-0.75	0.0	-19.46	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-18.81	-0.38	0.0	0.0	0.0	0.0
23	116	0.37	0.0	0.0	-0.75	0.0	26.38	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	27.03	-0.38	0.0	0.0	0.0	0.0
23	117	0.37	0.0	0.0	-0.75	0.0	-31.74	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-31.08	-0.38	0.0	0.0	0.0	0.0
24	1	0.49	0.0	0.0	-0.98	0.0	-1.30	0.49	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-2.15	-0.49	0.0	0.0	0.0	0.0
24	4	0.37	0.0	0.0	-0.75	0.0	-0.29	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-0.94	-0.38	0.0	0.0	0.0	0.0
24	9	0.37	0.0	0.0	-0.75	0.0	-1.00	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-1.65	-0.38	0.0	0.0	0.0	0.0
24	10	0.37	0.0	0.0	-0.75	0.0	-0.53	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-1.18	-0.38	0.0	0.0	0.0	0.0
24	13	0.37	0.0	0.0	-0.75	0.0	-1.00	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-1.65	-0.38	0.0	0.0	0.0	0.0
24	14	0.37	0.0	0.0	-0.75	0.0	-0.76	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-1.42	-0.38	0.0	0.0	0.0	0.0

24	17	0.37	0.0	0.0	-0.75	0.0	-1.00	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-1.65	-0.38	0.0	0.0	0.0	0.0
24	18	0.37	0.0	0.0	-0.75	0.0	-0.86	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-1.51	-0.38	0.0	0.0	0.0	0.0
24	19	0.37	0.0	0.0	-0.75	0.0	-25.68	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-26.34	-0.38	0.0	0.0	0.0	0.0
24	22	0.37	0.0	0.0	-0.75	0.0	23.96	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	23.31	-0.38	0.0	0.0	0.0	0.0
24	51	0.37	0.0	0.0	-0.75	0.0	-19.71	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-20.36	-0.38	0.0	0.0	0.0	0.0
24	54	0.37	0.0	0.0	-0.75	0.0	17.99	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	17.34	-0.38	0.0	0.0	0.0	0.0
24	83	0.37	0.0	0.0	-0.75	0.0	-17.63	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-18.29	-0.38	0.0	0.0	0.0	0.0
24	86	0.37	0.0	0.0	-0.75	0.0	15.92	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	15.26	-0.38	0.0	0.0	0.0	0.0
24	115	0.37	0.0	0.0	-0.75	0.0	-29.93	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	-30.58	-0.38	0.0	0.0	0.0	0.0
24	118	0.37	0.0	0.0	-0.75	0.0	28.21	0.38	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	397.0	27.56	-0.38	0.0	0.0	0.0	0.0
25	2	0.81	0.0	-3.64e-05	-0.08	0.0	-0.51	8.17	-0.17	8.35e-04	0.0	0.0
		0.0	-0.02	-1.96e-05	0.0	10.0	-0.51	8.09	-0.17	8.35e-04	-0.02	0.81
25	3	0.20	0.0	-1.07e-05	-0.06	0.0	-0.13	2.03	-0.07	2.69e-04	0.0	0.0
		0.0	-6.97e-03	-4.10e-06	0.0	10.0	-0.13	1.97	-0.07	2.69e-04	-6.97e-03	0.20
25	6	0.65	0.0	-2.97e-05	-0.08	0.0	-0.41	6.53	-0.16	7.49e-04	0.0	0.0
		0.0	-0.02	-1.49e-05	0.0	10.0	-0.41	6.45	-0.16	7.49e-04	-0.02	0.65
25	9	0.20	0.0	-1.06e-05	-0.06	0.0	-0.13	2.02	-0.06	2.35e-04	0.0	0.0
		0.0	-6.35e-03	-4.33e-06	0.0	10.0	-0.13	1.96	-0.06	2.35e-04	-6.35e-03	0.20
25	10	0.57	0.0	-2.57e-05	-0.06	0.0	-0.36	5.72	-0.12	5.79e-04	0.0	0.0
		0.0	-0.01	-1.37e-05	0.0	10.0	-0.36	5.65	-0.12	5.79e-04	-0.01	0.57
25	12	0.46	0.0	-2.12e-05	-0.06	0.0	-0.29	4.62	-0.11	5.21e-04	0.0	0.0
		0.0	-0.01	-1.06e-05	0.0	10.0	-0.29	4.56	-0.11	5.21e-04	-0.01	0.46
25	13	0.20	0.0	-1.05e-05	-0.06	0.0	-0.12	2.00	-0.05	1.66e-04	0.0	0.0
		0.0	-5.11e-03	-4.79e-06	0.0	10.0	-0.12	1.94	-0.05	1.66e-04	-5.11e-03	0.20
25	14	0.38	0.0	-1.80e-05	-0.06	0.0	-0.24	3.85	-0.08	3.38e-04	0.0	0.0
		0.0	-8.03e-03	-9.47e-06	0.0	10.0	-0.24	3.79	-0.08	3.38e-04	-8.03e-03	0.38
25	16	0.31	0.0	-1.50e-05	-0.06	0.0	-0.19	3.12	-0.07	2.92e-04	0.0	0.0
		0.0	-7.27e-03	-7.44e-06	0.0	10.0	-0.19	3.06	-0.07	2.92e-04	-7.27e-03	0.31
25	17	0.20	0.0	-1.05e-05	-0.06	0.0	-0.12	2.00	-0.05	1.66e-04	0.0	0.0
		0.0	-5.11e-03	-4.79e-06	0.0	10.0	-0.12	1.94	-0.05	1.66e-04	-5.11e-03	0.20
25	18	0.31	0.0	-1.50e-05	-0.06	0.0	-0.19	3.11	-0.07	2.70e-04	0.0	0.0
		0.0	-6.86e-03	-7.60e-06	0.0	10.0	-0.19	3.05	-0.07	2.70e-04	-6.86e-03	0.31
25	20	0.40	0.0	-1.63e-05	-0.06	0.0	1.39	4.04	-0.11	-0.01	0.0	0.0
		0.0	-0.01	-9.00e-05	0.0	10.0	1.39	3.98	-0.11	-0.01	-0.01	0.40
25	21	0.22	0.0	-1.37e-05	-0.06	0.0	-1.78	2.18	-0.03	0.01	0.0	0.0
		0.0	-2.60e-03	7.48e-05	0.0	10.0	-1.78	2.12	-0.03	0.01	-2.60e-03	0.22
25	24	0.40	0.0	-1.63e-05	-0.06	0.0	1.37	4.04	-0.07	-0.01	0.0	0.0
		0.0	-6.64e-03	-9.09e-05	0.0	10.0	1.37	3.98	-0.07	-0.01	-6.64e-03	0.40
25	43	0.27	0.0	-1.12e-05	-0.06	0.0	0.20	2.73	-0.56	-3.24e-03	0.0	0.0
		0.0	-0.06	-4.37e-05	0.0	10.0	0.20	2.67	-0.56	-3.24e-03	-0.06	0.27
25	46	0.35	0.04	-1.87e-05	-0.06	0.0	-0.59	3.49	0.42	3.78e-03	0.0	0.0
		0.0	0.0	2.86e-05	0.0	10.0	-0.59	3.43	0.42	3.78e-03	0.04	0.35
25	48	0.39	0.04	-1.88e-05	-0.06	0.0	0.16	3.90	0.35	-3.06e-03	0.0	0.0
		0.0	0.0	-1.87e-05	0.0	10.0	0.16	3.83	0.35	-3.06e-03	0.04	0.39
25	52	0.38	0.0	-1.61e-05	-0.06	0.0	1.01	3.84	-0.10	-9.05e-03	0.0	0.0
		0.0	-9.81e-03	-6.92e-05	0.0	10.0	1.01	3.78	-0.10	-9.05e-03	-9.81e-03	0.38
25	53	0.24	0.0	-1.38e-05	-0.06	0.0	-1.40	2.38	-0.04	9.59e-03	0.0	0.0
		0.0	-3.91e-03	5.41e-05	0.0	10.0	-1.40	2.32	-0.04	9.59e-03	-3.91e-03	0.24
25	56	0.38	0.0	-1.61e-05	-0.06	0.0	1.00	3.84	-0.06	-9.23e-03	0.0	0.0
		0.0	-6.19e-03	-7.00e-05	0.0	10.0	1.00	3.78	-0.06	-9.23e-03	-6.19e-03	0.38
25	75	0.27	0.0	-1.16e-05	-0.06	0.0	0.10	2.73	-0.46	-2.38e-03	0.0	0.0
		0.0	-0.05	-3.65e-05	0.0	10.0	0.10	2.67	-0.46	-2.38e-03	-0.05	0.27
25	78	0.35	0.03	-1.84e-05	-0.06	0.0	-0.49	3.48	0.33	2.92e-03	0.0	0.0
		0.0	0.0	2.13e-05	0.0	10.0	-0.49	3.42	0.33	2.92e-03	0.03	0.35
25	80	0.38	0.03	-1.85e-05	-0.06	0.0	0.08	3.79	0.27	-2.27e-03	0.0	0.0
		0.0	0.0	-1.45e-05	0.0	10.0	0.08	3.73	0.27	-2.27e-03	0.03	0.38
25	84	0.37	0.0	-1.60e-05	-0.06	0.0	0.88	3.76	-0.09	-8.01e-03	0.0	0.0
		0.0	-9.46e-03	-6.24e-05	0.0	10.0	0.88	3.70	-0.09	-8.01e-03	-9.46e-03	0.37
25	85	0.24	0.0	-1.39e-05	-0.06	0.0	-1.27	2.46	-0.04	8.55e-03	0.0	0.0
		0.0	-4.26e-03	4.72e-05	0.0	10.0	-1.27	2.40	-0.04	8.55e-03	-4.26e-03	0.24
25	88	0.37	0.0	-1.60e-05	-0.06	0.0	0.86	3.76	-0.06	-8.17e-03	0.0	0.0
		0.0	-6.22e-03	-6.31e-05	0.0	10.0	0.86	3.70	-0.06	-8.17e-03	-6.22e-03	0.37
25	107	0.27	0.0	-1.19e-05	-0.06	0.0	0.07	2.77	-0.42	-2.08e-03	0.0	0.0
		0.0	-0.04	-3.35e-05	0.0	10.0	0.07	2.71	-0.42	-2.08e-03	-0.04	0.27
25	110	0.34	0.03	-1.81e-05	-0.06	0.0	-0.46	3.45	0.29	2.62e-03	0.0	0.0

		0.0	0.0	1.83e-05	0.0	10.0	-0.46	3.39	0.29	2.62e-03	0.03	0.34
25	112	0.37	0.02	-1.81e-05	-0.06	0.0	0.05	3.73	0.24	-1.99e-03	0.0	0.0
		0.0	0.0	-1.36e-05	0.0	10.0	0.05	3.67	0.24	-1.99e-03	0.02	0.37
25	116	0.42	0.0	-1.64e-05	-0.06	0.0	1.67	4.19	-0.12	-0.01	0.0	0.0
		0.0	-0.01	-1.04e-04	0.0	10.0	1.67	4.13	-0.12	-0.01	-0.01	0.42
25	117	0.20	0.0	-1.35e-05	-0.06	0.0	-2.06	2.03	-0.02	0.01	0.0	0.0
		0.0	-1.92e-03	8.92e-05	0.0	10.0	-2.06	1.97	-0.02	0.01	-1.92e-03	0.20
25	120	0.42	0.0	-1.64e-05	-0.06	0.0	1.64	4.19	-0.07	-0.01	0.0	0.0
		0.0	-6.51e-03	-1.05e-04	0.0	10.0	1.64	4.13	-0.07	-0.01	-6.51e-03	0.42
25	139	0.27	0.0	-1.08e-05	-0.06	0.0	0.27	2.69	-0.65	-3.84e-03	0.0	0.0
		0.0	-0.06	-4.95e-05	0.0	10.0	0.27	2.63	-0.65	-3.84e-03	-0.06	0.27
25	142	0.35	0.05	-1.92e-05	-0.06	0.0	-0.66	3.53	0.51	4.38e-03	0.0	0.0
		0.0	0.0	3.43e-05	0.0	10.0	-0.66	3.46	0.51	4.38e-03	0.05	0.35
25	144	0.40	0.04	-1.93e-05	-0.06	0.0	0.22	4.00	0.43	-3.60e-03	0.0	0.0
		0.0	0.0	-2.09e-05	0.0	10.0	0.22	3.94	0.43	-3.60e-03	0.04	0.40
26	2	4.91	1.06	-2.96e-04	-0.95	0.0	-0.52	3.88	0.89	8.35e-04	-0.02	0.83
		0.83	-0.02	-1.77e-04	0.0	120.0	-0.52	2.93	0.89	8.35e-04	1.06	4.91
26	3	1.38	0.26	-8.71e-05	-0.73	0.0	-0.13	1.34	0.22	2.69e-04	-6.97e-03	0.20
		0.20	-6.97e-03	-3.51e-05	0.0	120.0	-0.13	0.61	0.22	2.69e-04	0.26	1.38
26	7	1.39	0.27	-8.82e-05	-0.73	0.0	-0.13	1.36	0.23	3.37e-04	-8.21e-03	0.21
		0.21	-8.21e-03	-2.94e-05	0.0	120.0	-0.13	0.62	0.23	3.37e-04	0.27	1.39
26	9	1.37	0.26	-8.65e-05	-0.73	0.0	-0.13	1.34	0.22	2.35e-04	-6.35e-03	0.20
		0.20	-6.35e-03	-3.80e-05	0.0	120.0	-0.13	0.61	0.22	2.35e-04	0.26	1.37
26	10	3.46	0.74	-2.09e-04	-0.73	0.0	-0.36	2.76	0.62	5.79e-04	-0.01	0.58
		0.58	-0.01	-1.24e-04	0.0	120.0	-0.36	2.03	0.62	5.79e-04	0.74	3.46
26	11	1.38	0.26	-8.73e-05	-0.73	0.0	-0.13	1.35	0.23	2.80e-04	-7.18e-03	0.20
		0.20	-7.18e-03	-3.42e-05	0.0	120.0	-0.13	0.61	0.23	2.80e-04	0.26	1.38
26	13	1.35	0.25	-8.54e-05	-0.73	0.0	-0.13	1.32	0.21	1.66e-04	-5.11e-03	0.20
		0.20	-5.11e-03	-4.37e-05	0.0	120.0	-0.13	0.59	0.21	1.66e-04	0.25	1.35
26	14	2.39	0.49	-1.47e-04	-0.73	0.0	-0.24	2.04	0.42	3.38e-04	-8.03e-03	0.39
		0.39	-8.03e-03	-8.66e-05	0.0	120.0	-0.24	1.30	0.42	3.38e-04	0.49	2.39
26	15	1.36	0.25	-8.58e-05	-0.73	0.0	-0.13	1.33	0.22	1.89e-04	-5.52e-03	0.20
		0.20	-5.52e-03	-4.18e-05	0.0	120.0	-0.13	0.60	0.22	1.89e-04	0.25	1.36
26	17	1.35	0.25	-8.54e-05	-0.73	0.0	-0.13	1.32	0.21	1.66e-04	-5.11e-03	0.20
		0.20	-5.11e-03	-4.37e-05	0.0	120.0	-0.13	0.59	0.21	1.66e-04	0.25	1.35
26	18	1.98	0.40	-1.22e-04	-0.73	0.0	-0.20	1.75	0.34	2.70e-04	-6.86e-03	0.31
		0.31	-6.86e-03	-6.94e-05	0.0	120.0	-0.20	1.02	0.34	2.70e-04	0.40	1.98
26	20	2.16	0.62	-1.30e-04	-0.73	0.0	0.07	1.83	0.53	-0.01	-0.01	0.40
		0.40	-0.01	-1.04e-03	0.0	120.0	0.07	1.10	0.53	-0.01	0.62	2.16
26	21	1.79	0.17	-1.14e-04	-0.73	0.0	-0.46	1.67	0.14	0.01	-2.60e-03	0.22
		0.22	-2.60e-03	9.06e-04	0.0	120.0	-0.46	0.94	0.14	0.01	0.17	1.79
26	25	1.79	0.16	-1.14e-04	-0.73	0.0	-0.46	1.67	0.14	0.01	-7.08e-03	0.22
		0.22	-7.08e-03	9.16e-04	0.0	120.0	-0.46	0.94	0.14	0.01	0.16	1.79
26	35	1.45	1.45	-8.78e-05	-0.73	0.0	-0.13	1.35	1.23	-3.99e-03	-0.04	0.27
		0.27	-0.04	-4.85e-04	0.0	120.0	-0.13	0.62	1.23	-3.99e-03	1.45	1.45
26	36	2.52	0.02	-1.55e-04	-0.73	0.0	-0.10	2.13	-0.31	-2.97e-03	0.02	0.40
		0.40	-0.36	-2.60e-04	0.0	120.0	-0.10	1.40	-0.31	-2.97e-03	-0.36	2.52
26	38	2.50	0.03	-1.56e-04	-0.73	0.0	-0.26	2.15	-0.56	4.52e-03	0.03	0.35
		0.35	-0.66	3.46e-04	0.0	120.0	-0.26	1.42	-0.56	4.52e-03	-0.66	2.50
26	52	2.14	0.53	-1.30e-04	-0.73	0.0	6.58e-03	1.83	0.45	-9.05e-03	-9.81e-03	0.39
		0.39	-9.81e-03	-8.01e-04	0.0	120.0	6.58e-03	1.10	0.45	-9.05e-03	0.53	2.14
26	53	1.81	0.27	-1.15e-04	-0.73	0.0	-0.40	1.67	0.23	9.59e-03	-3.91e-03	0.24
		0.24	-3.91e-03	6.62e-04	0.0	120.0	-0.40	0.94	0.23	9.59e-03	0.27	1.81
26	67	1.50	1.33	-9.11e-05	-0.73	0.0	-0.15	1.39	1.13	-2.98e-03	-0.03	0.28
		0.28	-0.03	-4.01e-04	0.0	120.0	-0.15	0.66	1.13	-2.98e-03	1.33	1.50
26	68	2.46	0.01	-1.52e-04	-0.73	0.0	-0.12	2.10	-0.27	-2.15e-03	0.01	0.39
		0.39	-0.31	-1.96e-04	0.0	120.0	-0.12	1.37	-0.27	-2.15e-03	-0.31	2.46
26	70	2.45	0.02	-1.53e-04	-0.73	0.0	-0.24	2.11	-0.46	3.51e-03	0.02	0.35
		0.35	-0.54	2.62e-04	0.0	120.0	-0.24	1.38	-0.46	3.51e-03	-0.54	2.45
26	77	1.50	1.07	-9.28e-05	-0.73	0.0	-0.26	1.41	0.92	3.29e-03	-0.04	0.24
		0.24	-0.04	8.66e-05	0.0	120.0	-0.26	0.68	0.92	3.29e-03	1.07	1.50
26	84	2.13	0.51	-1.29e-04	-0.73	0.0	-0.02	1.82	0.43	-8.01e-03	-9.46e-03	0.38
		0.38	-9.46e-03	-7.20e-04	0.0	120.0	-0.02	1.09	0.43	-8.01e-03	0.51	2.13
26	85	1.83	0.28	-1.15e-04	-0.73	0.0	-0.38	1.68	0.24	8.55e-03	-4.26e-03	0.25
		0.25	-4.26e-03	5.81e-04	0.0	120.0	-0.38	0.95	0.24	8.55e-03	0.28	1.83
26	99	1.55	1.24	-9.41e-05	-0.73	0.0	-0.16	1.42	1.05	-2.62e-03	-0.03	0.28
		0.28	-0.03	-3.65e-04	0.0	120.0	-0.16	0.69	1.05	-2.62e-03	1.24	1.55
26	100	2.42	0.01	-1.49e-04	-0.73	0.0	-0.13	2.06	-0.21	-1.88e-03	0.01	0.38
		0.38	-0.24	-1.80e-04	0.0	120.0	-0.13	1.33	-0.21	-1.88e-03	-0.24	2.42
26	102	2.41	0.02	-1.50e-04	-0.73	0.0	-0.24	2.08	-0.38	3.16e-03	0.02	0.35
		0.35	-0.44	2.27e-04	0.0	120.0	-0.24	1.35	-0.38	3.16e-03	-0.44	2.41
26	109	1.54	1.01	-9.56e-05	-0.73	0.0	-0.26	1.44	0.87	2.95e-03	-0.04	0.25
		0.25	-0.04	6.82e-05	0.0	120.0	-0.26	0.71	0.87	2.95e-03	1.01	1.54
26	116	2.19	0.67	-1.31e-04	-0.73	0.0	0.12	1.84	0.57	-0.01	-0.01	0.42
		0.42	-0.01	-1.21e-03	0.0	120.0	0.12	1.11	0.57	-0.01	0.67	2.19

26	117	1.77	0.12	-1.13e-04	-0.73	0.0	-0.51	1.66	0.10	0.01	-1.92e-03	0.21
		0.21	-1.92e-03	1.08e-03	0.0	120.0	-0.51	0.93	0.10	0.01	0.12	1.77
26	121	1.77	0.11	-1.14e-04	-0.73	0.0	-0.51	1.67	0.09	0.02	-7.20e-03	0.21
		0.21	-7.20e-03	1.09e-03	0.0	120.0	-0.51	0.94	0.09	0.02	0.11	1.77
26	131	1.39	1.59	-8.35e-05	-0.73	0.0	-0.12	1.30	1.35	-4.71e-03	-0.05	0.27
		0.27	-0.05	-5.51e-04	0.0	120.0	-0.12	0.57	1.35	-4.71e-03	1.59	1.39
26	132	2.58	0.02	-1.59e-04	-0.73	0.0	-0.08	2.18	-0.38	-3.54e-03	0.02	0.41
		0.41	-0.45	-2.98e-04	0.0	120.0	-0.08	1.45	-0.38	-3.54e-03	-0.45	2.58
26	134	2.56	0.03	-1.61e-04	-0.73	0.0	-0.27	2.21	-0.68	5.25e-03	0.03	0.36
		0.36	-0.80	4.12e-04	0.0	120.0	-0.27	1.47	-0.68	5.25e-03	-0.80	2.56
27	2	4.94	1.59	7.40e-06	-0.32	0.0	-0.52	0.17	1.34	8.35e-04	1.06	4.92
		4.92	1.06	4.31e-06	0.0	40.0	-0.52	-0.14	1.34	8.35e-04	1.59	4.92
27	3	1.39	0.38	-1.63e-06	-0.24	0.0	-0.13	0.14	0.30	2.69e-04	0.26	1.38
		1.38	0.26	3.88e-06	0.0	40.0	-0.13	-0.10	0.30	2.69e-04	0.38	1.39
27	7	1.41	0.40	-1.66e-06	-0.24	0.0	-0.13	0.15	0.32	3.37e-04	0.27	1.40
		1.40	0.27	6.16e-06	0.0	40.0	-0.13	-0.10	0.32	3.37e-04	0.40	1.41
27	9	1.39	0.38	-1.61e-06	-0.24	0.0	-0.13	0.14	0.30	2.35e-04	0.26	1.37
		1.37	0.26	2.74e-06	0.0	40.0	-0.13	-0.10	0.30	2.35e-04	0.38	1.38
27	10	3.47	1.11	5.13e-06	-0.24	0.0	-0.36	0.14	0.93	5.79e-04	0.74	3.46
		3.46	0.74	-3.00e-06	0.0	40.0	-0.36	-0.11	0.93	5.79e-04	1.11	3.46
27	11	1.40	0.39	-1.63e-06	-0.24	0.0	-0.13	0.14	0.31	2.80e-04	0.26	1.38
		1.38	0.26	4.26e-06	0.0	40.0	-0.13	-0.10	0.31	2.80e-04	0.39	1.39
27	13	1.37	0.37	-1.58e-06	-0.24	0.0	-0.13	0.14	0.28	1.66e-04	0.25	1.35
		1.35	0.25	-1.24e-06	0.0	40.0	-0.13	-0.10	0.28	1.66e-04	0.37	1.36
27	14	2.41	0.73	3.34e-06	-0.24	0.0	-0.24	0.14	0.60	3.38e-04	0.49	2.40
		2.40	0.49	-2.63e-06	0.0	40.0	-0.24	-0.11	0.60	3.38e-04	0.73	2.40
27	15	1.37	0.37	-1.59e-06	-0.24	0.0	-0.13	0.14	0.29	1.89e-04	0.25	1.36
		1.36	0.25	1.22e-06	0.0	40.0	-0.13	-0.10	0.29	1.89e-04	0.37	1.36
27	17	1.37	0.37	-1.58e-06	-0.24	0.0	-0.13	0.14	0.28	1.66e-04	0.25	1.35
		1.35	0.25	-1.24e-06	0.0	40.0	-0.13	-0.10	0.28	1.66e-04	0.37	1.36
27	18	1.99	0.58	2.61e-06	-0.24	0.0	-0.20	0.14	0.47	2.70e-04	0.40	1.98
		1.98	0.40	-2.07e-06	0.0	40.0	-0.20	-0.11	0.47	2.70e-04	0.58	1.98
27	19	1.84	1.23	4.11e-06	-0.24	0.0	-0.94	-2.95e-03	0.10	-0.01	1.16	1.84
		1.79	1.16	-3.05e-04	0.0	40.0	-0.94	-0.25	0.10	-0.01	1.23	1.79
27	22	2.18	-0.06	-3.06e-06	-0.24	0.0	0.54	0.28	0.84	0.01	-0.37	2.11
		2.11	-0.37	3.06e-04	0.0	40.0	0.54	0.03	0.84	0.01	-0.06	2.18
27	35	1.46	1.45	3.19e-06	-0.24	0.0	-0.49	0.06	-0.58	-3.99e-03	1.45	1.45
		1.44	1.24	-8.22e-05	0.0	40.0	-0.49	-0.18	-0.58	-3.99e-03	1.24	1.44
27	38	2.54	-0.07	-3.27e-06	-0.24	0.0	0.10	0.21	1.53	4.52e-03	-0.66	2.50
		2.50	-0.66	8.33e-05	0.0	40.0	0.10	-0.03	1.53	4.52e-03	-0.07	2.53
27	51	1.85	1.09	3.74e-06	-0.24	0.0	-0.76	0.03	0.14	-9.29e-03	1.02	1.85
		1.82	1.02	-2.30e-04	0.0	40.0	-0.76	-0.21	0.14	-9.29e-03	1.09	1.82
27	54	2.15	0.08	-2.87e-06	-0.24	0.0	0.37	0.24	0.80	9.83e-03	-0.22	2.10
		2.10	-0.22	2.31e-04	0.0	40.0	0.37	1.20e-04	0.80	9.83e-03	0.08	2.15
27	67	1.51	1.33	3.07e-06	-0.24	0.0	-0.43	0.08	-0.48	-2.98e-03	1.33	1.50
		1.49	1.15	-6.05e-05	0.0	40.0	-0.43	-0.17	-0.48	-2.98e-03	1.15	1.49
27	70	2.48	0.02	-3.13e-06	-0.24	0.0	0.03	0.20	1.42	3.51e-03	-0.54	2.45
		2.45	-0.54	6.15e-05	0.0	40.0	0.03	-0.05	1.42	3.51e-03	0.02	2.48
27	83	1.87	1.04	3.61e-06	-0.24	0.0	-0.70	0.04	0.18	-8.24e-03	0.95	1.86
		1.83	0.95	-2.04e-04	0.0	40.0	-0.70	-0.20	0.18	-8.24e-03	1.04	1.83
27	86	2.14	0.13	-2.79e-06	-0.24	0.0	0.30	0.23	0.77	8.78e-03	-0.16	2.09
		2.09	-0.16	2.05e-04	0.0	40.0	0.30	-0.01	0.77	8.78e-03	0.13	2.14
27	99	1.56	1.24	3.02e-06	-0.24	0.0	-0.40	0.08	-0.39	-2.62e-03	1.24	1.55
		1.54	1.10	-5.36e-05	0.0	40.0	-0.40	-0.16	-0.39	-2.62e-03	1.10	1.54
27	102	2.44	0.07	-3.04e-06	-0.24	0.0	6.60e-03	0.19	1.33	3.16e-03	-0.44	2.41
		2.41	-0.44	5.46e-05	0.0	40.0	6.60e-03	-0.05	1.33	3.16e-03	0.07	2.43
27	115	1.83	1.33	4.37e-06	-0.24	0.0	-1.06	-0.03	0.06	-0.01	1.28	1.83
		1.77	1.28	-3.58e-04	0.0	40.0	-1.06	-0.27	0.06	-0.01	1.33	1.77
27	118	2.20	-0.16	-3.21e-06	-0.24	0.0	0.67	0.30	0.89	0.02	-0.49	2.13
		2.13	-0.49	3.59e-04	0.0	40.0	0.67	0.06	0.89	0.02	-0.16	2.20
27	131	1.39	1.59	3.28e-06	-0.24	0.0	-0.54	0.05	-0.71	-4.71e-03	1.59	1.39
		1.37	1.33	-9.70e-05	0.0	40.0	-0.54	-0.19	-0.71	-4.71e-03	1.33	1.37
27	134	2.60	-0.16	-3.42e-06	-0.24	0.0	0.15	0.22	1.66	5.25e-03	-0.80	2.57
		2.57	-0.80	9.80e-05	0.0	40.0	0.15	-0.02	1.66	5.25e-03	-0.16	2.60
28	2	4.92	1.59	3.35e-04	-0.95	0.0	-0.52	-3.16	-1.34	8.35e-04	1.59	4.92
		0.55	-0.01	2.74e-04	0.0	120.0	-0.52	-4.11	-1.34	8.35e-04	-0.01	0.55
28	3	1.39	0.38	9.59e-05	-0.73	0.0	-0.13	-0.65	-0.33	2.69e-04	0.38	1.39
		0.17	-7.17e-03	7.46e-05	0.0	120.0	-0.13	-1.38	-0.33	2.69e-04	-7.17e-03	0.17
28	7	1.40	0.40	9.70e-05	-0.73	0.0	-0.13	-0.66	-0.34	3.37e-04	0.40	1.40
		0.17	-8.98e-03	8.33e-05	0.0	120.0	-0.13	-1.39	-0.34	3.37e-04	-8.98e-03	0.17
28	9	1.38	0.38	9.53e-05	-0.73	0.0	-0.13	-0.64	-0.32	2.35e-04	0.38	1.38
		0.17	-6.26e-03	7.02e-05	0.0	120.0	-0.13	-1.37	-0.32	2.35e-04	-6.26e-03	0.17
28	10	3.46	1.11	2.36e-04	-0.73	0.0	-0.36	-2.19	-0.93	5.79e-04	1.11	3.46
		0.39	-0.01	1.91e-04	0.0	120.0	-0.36	-2.92	-0.93	5.79e-04	-0.01	0.39
28	11	1.39	0.39	9.61e-05	-0.73	0.0	-0.13	-0.65	-0.33	2.80e-04	0.39	1.39

		0.17	-7.47e-03	7.60e-05	0.0	120.0	-0.13	-1.38	-0.33	2.80e-04	-7.47e-03	0.17
28	13	1.36	0.37	9.42e-05	-0.73	0.0	-0.13	-0.63	-0.31	1.66e-04	0.37	1.36
		0.17	-4.45e-03	6.15e-05	0.0	120.0	-0.13	-1.36	-0.31	1.66e-04	-4.45e-03	0.17
28	14	2.40	0.73	1.65e-04	-0.73	0.0	-0.24	-1.40	-0.61	3.38e-04	0.73	2.40
		0.28	-6.49e-03	1.22e-04	0.0	120.0	-0.24	-2.13	-0.61	3.38e-04	-6.49e-03	0.28
28	15	1.36	0.37	9.46e-05	-0.73	0.0	-0.13	-0.63	-0.31	1.89e-04	0.37	1.36
		0.17	-5.05e-03	6.44e-05	0.0	120.0	-0.13	-1.36	-0.31	1.89e-04	-5.05e-03	0.17
28	17	1.36	0.37	9.42e-05	-0.73	0.0	-0.13	-0.63	-0.31	1.66e-04	0.37	1.36
		0.17	-4.45e-03	6.15e-05	0.0	120.0	-0.13	-1.36	-0.31	1.66e-04	-4.45e-03	0.17
28	18	1.98	0.58	1.36e-04	-0.73	0.0	-0.20	-1.09	-0.49	2.70e-04	0.58	1.98
		0.23	-5.68e-03	9.77e-05	0.0	120.0	-0.20	-1.82	-0.49	2.70e-04	-5.68e-03	0.23
28	19	1.79	1.23	1.28e-04	-0.73	0.0	-1.94	-1.00	-1.03	-0.01	1.23	1.79
		0.15	-0.01	-7.08e-04	0.0	120.0	-1.94	-1.73	-1.03	-0.01	-0.01	0.15
28	22	2.18	1.82e-04	1.45e-04	-0.73	0.0	1.55	-1.19	0.05	0.01	-0.06	2.18
		0.31	-0.06	9.04e-04	0.0	120.0	1.55	-1.92	0.05	0.01	1.82e-04	0.31
28	35	1.43	1.24	1.04e-04	-0.73	0.0	-0.88	-0.70	-1.07	-3.99e-03	1.24	1.43
		0.16	-0.04	-4.56e-05	0.0	120.0	-0.88	-1.43	-1.07	-3.99e-03	-0.04	0.16
28	38	2.53	0.03	1.69e-04	-0.73	0.0	0.48	-1.49	0.08	4.52e-03	-0.07	2.53
		0.31	-0.07	2.33e-04	0.0	120.0	0.48	-2.22	0.08	4.52e-03	0.03	0.31
28	51	1.81	1.09	1.29e-04	-0.73	0.0	-1.53	-1.00	-0.92	-9.29e-03	1.09	1.81
		0.17	-0.01	-5.06e-04	0.0	120.0	-1.53	-1.73	-0.92	-9.29e-03	-0.01	0.17
28	54	2.16	0.08	1.44e-04	-0.73	0.0	1.13	-1.18	-0.06	9.83e-03	0.08	2.16
		0.29	-8.37e-05	7.01e-04	0.0	120.0	1.13	-1.91	-0.06	9.83e-03	-8.37e-05	0.29
28	67	1.49	1.15	1.07e-04	-0.73	0.0	-0.72	-0.74	-0.99	-2.98e-03	1.15	1.49
		0.17	-0.04	-1.93e-05	0.0	120.0	-0.72	-1.47	-0.99	-2.98e-03	-0.04	0.17
28	69	1.50	0.93	1.06e-04	-0.73	0.0	0.05	-0.72	-0.81	2.69e-03	0.93	1.50
		0.19	-0.04	3.95e-04	0.0	120.0	0.05	-1.46	-0.81	2.69e-03	-0.04	0.19
28	70	2.48	0.03	1.66e-04	-0.73	0.0	0.33	-1.45	5.27e-03	3.51e-03	0.02	2.48
		0.30	0.02	1.82e-04	0.0	120.0	0.33	-2.18	5.27e-03	3.51e-03	0.03	0.30
28	83	1.83	1.04	1.30e-04	-0.73	0.0	-1.38	-1.01	-0.87	-8.24e-03	1.04	1.83
		0.18	-0.01	-4.38e-04	0.0	120.0	-1.38	-1.74	-0.87	-8.24e-03	-0.01	0.18
28	86	2.14	0.13	1.43e-04	-0.73	0.0	0.99	-1.18	-0.11	8.78e-03	0.13	2.14
		0.29	-6.15e-04	6.34e-04	0.0	120.0	0.99	-1.91	-0.11	8.78e-03	-6.15e-04	0.29
28	99	1.53	1.10	1.10e-04	-0.73	0.0	-0.67	-0.77	-0.94	-2.62e-03	1.10	1.53
		0.17	-0.03	2.44e-05	0.0	120.0	-0.67	-1.50	-0.94	-2.62e-03	-0.03	0.17
28	101	1.55	0.90	1.09e-04	-0.73	0.0	0.02	-0.76	-0.78	2.42e-03	0.90	1.55
		0.20	-0.04	3.63e-04	0.0	120.0	0.02	-1.49	-0.78	2.42e-03	-0.04	0.20
28	102	2.43	0.07	1.63e-04	-0.73	0.0	0.27	-1.42	-0.04	3.16e-03	0.07	2.43
		0.29	0.02	1.71e-04	0.0	120.0	0.27	-2.15	-0.04	3.16e-03	0.02	0.29
28	115	1.76	1.33	1.27e-04	-0.73	0.0	-2.24	-0.99	-1.12	-0.01	1.33	1.76
		0.14	-0.01	-8.49e-04	0.0	120.0	-2.24	-1.72	-1.12	-0.01	-0.01	0.14
28	118	2.20	7.81e-04	1.45e-04	-0.73	0.0	1.85	-1.20	0.14	0.02	-0.16	2.20
		0.32	-0.16	1.04e-03	0.0	120.0	1.85	-1.93	0.14	0.02	7.81e-04	0.32
28	131	1.37	1.33	9.98e-05	-0.73	0.0	-0.99	-0.65	-1.14	-4.71e-03	1.33	1.37
		0.14	-0.05	-6.75e-05	0.0	120.0	-0.99	-1.38	-1.14	-4.71e-03	-0.05	0.14
28	134	2.60	0.03	1.73e-04	-0.73	0.0	0.60	-1.53	0.16	5.25e-03	-0.16	2.60
		0.32	-0.16	2.63e-04	0.0	120.0	0.60	-2.27	0.16	5.25e-03	0.03	0.32
34	2	0.54	0.0	3.87e-05	-0.08	0.0	-0.51	-5.32	0.15	8.35e-04	-0.01	0.54
		0.0	-0.01	3.03e-05	0.0	10.0	-0.51	-5.40	0.15	8.35e-04	0.0	0.0
34	5	0.22	0.0	1.47e-05	-0.08	0.0	-0.16	-2.12	0.10	3.87e-04	-0.01	0.22
		0.0	-0.01	1.08e-05	0.0	10.0	-0.16	-2.20	0.10	3.87e-04	0.0	0.0
34	6	0.44	0.0	3.16e-05	-0.08	0.0	-0.41	-4.37	0.15	7.49e-04	-0.01	0.44
		0.0	-0.01	2.50e-05	0.0	10.0	-0.41	-4.45	0.15	7.49e-04	0.0	0.0
34	7	0.17	0.0	1.14e-05	-0.06	0.0	-0.12	-1.64	0.09	3.37e-04	-8.98e-03	0.17
		0.0	-8.98e-03	8.73e-06	0.0	10.0	-0.12	-1.70	0.09	3.37e-04	0.0	0.0
34	10	0.38	0.0	2.73e-05	-0.06	0.0	-0.36	-3.76	0.10	5.79e-04	-0.01	0.38
		0.0	-0.01	2.11e-05	0.0	10.0	-0.36	-3.82	0.10	5.79e-04	0.0	0.0
34	11	0.17	0.0	1.13e-05	-0.06	0.0	-0.12	-1.62	0.07	2.80e-04	-7.47e-03	0.17
		0.0	-7.47e-03	8.09e-06	0.0	10.0	-0.12	-1.69	0.07	2.80e-04	0.0	0.0
34	12	0.32	0.0	2.25e-05	-0.06	0.0	-0.29	-3.13	0.10	5.21e-04	-0.01	0.32
		0.0	-0.01	1.75e-05	0.0	10.0	-0.29	-3.19	0.10	5.21e-04	0.0	0.0
34	14	0.27	0.0	1.91e-05	-0.06	0.0	-0.24	-2.67	0.06	3.38e-04	-6.49e-03	0.27
		0.0	-6.49e-03	1.36e-05	0.0	10.0	-0.24	-2.73	0.06	3.38e-04	0.0	0.0
34	15	0.16	0.0	1.11e-05	-0.06	0.0	-0.12	-1.60	0.05	1.89e-04	-5.05e-03	0.16
		0.0	-5.05e-03	7.07e-06	0.0	10.0	-0.12	-1.66	0.05	1.89e-04	0.0	0.0
34	16	0.23	0.0	1.59e-05	-0.06	0.0	-0.19	-2.24	0.06	2.92e-04	-6.28e-03	0.23
		0.0	-6.28e-03	1.11e-05	0.0	10.0	-0.19	-2.30	0.06	2.92e-04	0.0	0.0
34	17	0.16	0.0	1.11e-05	-0.06	0.0	-0.12	-1.59	0.04	1.66e-04	-4.45e-03	0.16
		0.0	-4.45e-03	6.81e-06	0.0	10.0	-0.12	-1.65	0.04	1.66e-04	0.0	0.0
34	18	0.23	0.0	1.59e-05	-0.06	0.0	-0.19	-2.24	0.06	2.70e-04	-5.68e-03	0.23
		0.0	-5.68e-03	1.09e-05	0.0	10.0	-0.19	-2.30	0.06	2.70e-04	0.0	0.0
34	19	0.15	0.0	1.46e-05	-0.06	0.0	-2.74	-1.42	0.12	-0.01	-0.01	0.15
		0.0	-0.01	-5.35e-05	0.0	10.0	-2.74	-1.48	0.12	-0.01	0.0	0.0
34	22	0.31	1.82e-04	1.72e-05	-0.06	0.0	2.35	-3.05	-1.82e-03	0.01	1.82e-04	0.31
		0.0	0.0	7.52e-05	0.0	10.0	2.35	-3.11	-1.82e-03	0.01	0.0	0.0

34	36	0.27	0.03	1.97e-05	-0.06	0.0	-0.69	-2.63	-0.33	-2.97e-03	0.03	0.27
		0.0	0.0	-2.08e-05	0.0	10.0	-0.69	-2.69	-0.33	-2.97e-03	0.0	0.0
34	37	0.19	0.0	1.21e-05	-0.06	0.0	0.30	-1.84	0.45	3.51e-03	-0.04	0.19
		0.0	-0.04	4.26e-05	0.0	10.0	0.30	-1.90	0.45	3.51e-03	0.0	0.0
34	45	0.19	0.0	1.21e-05	-0.06	0.0	0.67	-1.86	0.30	4.26e-03	-0.03	0.19
		0.0	-0.03	4.40e-05	0.0	10.0	0.67	-1.92	0.30	4.26e-03	0.0	0.0
34	51	0.16	0.0	1.48e-05	-0.06	0.0	-2.13	-1.59	0.11	-9.29e-03	-0.01	0.16
		0.0	-0.01	-3.72e-05	0.0	10.0	-2.13	-1.65	0.11	-9.29e-03	0.0	0.0
34	54	0.29	0.0	1.70e-05	-0.06	0.0	1.74	-2.88	8.37e-04	9.83e-03	-8.37e-05	0.29
		0.0	-8.37e-05	5.89e-05	0.0	10.0	1.74	-2.94	8.37e-04	9.83e-03	0.0	0.0
34	68	0.27	0.03	1.94e-05	-0.06	0.0	-0.56	-2.62	-0.29	-2.15e-03	0.03	0.27
		0.0	0.0	-1.49e-05	0.0	10.0	-0.56	-2.68	-0.29	-2.15e-03	0.0	0.0
34	69	0.19	0.0	1.24e-05	-0.06	0.0	0.17	-1.85	0.40	2.69e-03	-0.04	0.19
		0.0	-0.04	3.66e-05	0.0	10.0	0.17	-1.91	0.40	2.69e-03	0.0	0.0
34	70	0.29	0.03	1.94e-05	-0.06	0.0	0.57	-2.91	-0.26	3.51e-03	0.03	0.29
		0.0	0.0	1.58e-05	0.0	10.0	0.57	-2.97	-0.26	3.51e-03	0.0	0.0
34	77	0.19	0.0	1.25e-05	-0.06	0.0	0.47	-1.87	0.27	3.29e-03	-0.03	0.19
		0.0	-0.03	3.79e-05	0.0	10.0	0.47	-1.93	0.27	3.29e-03	0.0	0.0
34	83	0.17	0.0	1.49e-05	-0.06	0.0	-1.92	-1.66	0.11	-8.24e-03	-0.01	0.17
		0.0	-0.01	-3.18e-05	0.0	10.0	-1.92	-1.72	0.11	-8.24e-03	0.0	0.0
34	86	0.28	0.0	1.69e-05	-0.06	0.0	1.53	-2.81	6.15e-03	8.78e-03	-6.15e-04	0.28
		0.0	-6.15e-04	5.35e-05	0.0	10.0	1.53	-2.87	6.15e-03	8.78e-03	0.0	0.0
34	100	0.26	0.03	1.90e-05	-0.06	0.0	-0.51	-2.59	-0.26	-1.88e-03	0.03	0.26
		0.0	0.0	-1.22e-05	0.0	10.0	-0.51	-2.65	-0.26	-1.88e-03	0.0	0.0
34	101	0.19	0.0	1.27e-05	-0.06	0.0	0.12	-1.89	0.37	2.42e-03	-0.04	0.19
		0.0	-0.04	3.39e-05	0.0	10.0	0.12	-1.95	0.37	2.42e-03	0.0	0.0
34	102	0.29	0.02	1.91e-05	-0.06	0.0	0.49	-2.84	-0.23	3.16e-03	0.02	0.29
		0.0	0.0	1.51e-05	0.0	10.0	0.49	-2.90	-0.23	3.16e-03	0.0	0.0
34	109	0.19	0.0	1.28e-05	-0.06	0.0	0.40	-1.90	0.25	2.95e-03	-0.02	0.19
		0.0	-0.02	3.51e-05	0.0	10.0	0.40	-1.96	0.25	2.95e-03	0.0	0.0
34	115	0.13	0.0	1.45e-05	-0.06	0.0	-3.18	-1.29	0.12	-0.01	-0.01	0.13
		0.0	-0.01	-6.47e-05	0.0	10.0	-3.18	-1.35	0.12	-0.01	0.0	0.0
34	118	0.32	7.81e-04	1.73e-05	-0.06	0.0	2.79	-3.18	-7.81e-03	0.02	7.81e-04	0.32
		0.0	0.0	8.64e-05	0.0	10.0	2.79	-3.24	-7.81e-03	0.02	0.0	0.0
34	132	0.27	0.04	2.02e-05	-0.06	0.0	-0.78	-2.67	-0.39	-3.54e-03	0.04	0.27
		0.0	0.0	-2.57e-05	0.0	10.0	-0.78	-2.73	-0.39	-3.54e-03	0.0	0.0
34	133	0.18	0.0	1.16e-05	-0.06	0.0	0.39	-1.80	0.50	4.08e-03	-0.05	0.18
		0.0	-0.05	4.74e-05	0.0	10.0	0.39	-1.87	0.50	4.08e-03	0.0	0.0
34	141	0.19	0.0	1.17e-05	-0.06	0.0	0.82	-1.83	0.33	4.95e-03	-0.03	0.19
		0.0	-0.03	4.91e-05	0.0	10.0	0.82	-1.89	0.33	4.95e-03	0.0	0.0
35	2	24.92	1.65	1.55e-03	-0.95	0.0	-0.51	-17.47	-1.02	0.02	1.65	24.92
		3.39	0.43	2.83e-04	0.0	120.0	-0.51	-18.42	-1.02	0.02	0.43	3.39
35	3	5.09	0.44	3.19e-04	-0.73	0.0	-0.12	-3.37	-0.40	3.83e-03	0.44	5.09
		0.61	-0.03	7.68e-05	0.0	120.0	-0.12	-4.10	-0.40	3.83e-03	-0.03	0.61
35	7	5.14	0.50	3.22e-04	-0.73	0.0	-0.12	-3.47	-0.55	3.74e-03	0.50	5.14
		0.54	-0.16	8.57e-05	0.0	120.0	-0.12	-4.20	-0.55	3.74e-03	-0.16	0.54
35	9	5.07	0.41	3.18e-04	-0.73	0.0	-0.12	-3.32	-0.32	3.87e-03	0.41	5.07
		0.64	0.03	7.24e-05	0.0	120.0	-0.12	-4.05	-0.32	3.87e-03	0.03	0.64
35	10	17.28	1.15	1.08e-03	-0.73	0.0	-0.35	-12.07	-0.70	0.01	1.15	17.28
		2.35	0.31	1.97e-04	0.0	120.0	-0.35	-12.81	-0.70	0.01	0.31	2.35
35	11	5.10	0.45	3.20e-04	-0.73	0.0	-0.12	-3.38	-0.42	3.82e-03	0.45	5.10
		0.60	-0.06	7.83e-05	0.0	120.0	-0.12	-4.12	-0.42	3.82e-03	-0.06	0.60
35	13	5.02	0.36	3.16e-04	-0.73	0.0	-0.12	-3.22	-0.17	3.96e-03	0.36	5.02
		0.71	0.16	6.35e-05	0.0	120.0	-0.12	-3.95	-0.17	3.96e-03	0.16	0.71
35	14	11.13	0.72	6.96e-04	-0.73	0.0	-0.24	-7.60	-0.36	9.51e-03	0.72	11.13
		1.57	0.29	1.26e-04	0.0	120.0	-0.24	-8.33	-0.36	9.51e-03	0.29	1.57
35	15	5.03	0.37	3.17e-04	-0.73	0.0	-0.12	-3.25	-0.22	3.93e-03	0.37	5.03
		0.69	0.11	6.65e-05	0.0	120.0	-0.12	-3.98	-0.22	3.93e-03	0.11	0.69
35	17	5.02	0.36	3.16e-04	-0.73	0.0	-0.12	-3.22	-0.17	3.96e-03	0.36	5.02
		0.71	0.16	6.35e-05	0.0	120.0	-0.12	-3.95	-0.17	3.96e-03	0.16	0.71
35	18	8.68	0.57	5.44e-04	-0.73	0.0	-0.19	-5.85	-0.28	7.29e-03	0.57	8.68
		1.23	0.24	1.01e-04	0.0	120.0	-0.19	-6.58	-0.28	7.29e-03	0.24	1.23
35	19	8.23	1.27	8.06e-04	-0.73	0.0	-3.27	-5.62	-0.99	9.15e-03	1.27	8.23
		1.09	5.17e-03	-7.03e-04	0.0	120.0	-3.27	-6.36	-0.99	9.15e-03	5.17e-03	1.09
35	20	9.29	1.07	8.70e-04	-0.73	0.0	-3.40	-6.46	-1.09	8.81e-03	1.07	9.29
		1.03	-0.16	-7.73e-04	0.0	120.0	-3.40	-7.19	-1.09	8.81e-03	-0.16	1.03
35	24	9.28	1.09	8.71e-04	-0.73	0.0	-3.37	-6.45	-1.09	8.82e-03	1.09	9.28
		1.03	-0.13	-7.78e-04	0.0	120.0	-3.37	-7.18	-1.09	8.82e-03	-0.13	1.03
35	28	9.27	0.94	8.18e-04	-0.73	0.0	-3.66	-6.42	-0.89	8.54e-03	0.94	9.27
		1.06	-0.06	-6.24e-04	0.0	120.0	-3.66	-7.16	-0.89	8.54e-03	-0.06	1.06
35	29	8.09	0.54	2.71e-04	-0.73	0.0	3.28	-5.27	0.33	6.04e-03	0.21	8.09
		1.40	0.21	8.26e-04	0.0	120.0	3.28	-6.00	0.33	6.04e-03	0.54	1.40
35	36	10.47	0.43	7.40e-04	-0.73	0.0	-1.36	-7.30	-0.67	7.22e-03	0.43	10.47
		1.08	-0.13	-2.68e-04	0.0	120.0	-1.36	-8.03	-0.67	7.22e-03	-0.13	1.08
35	51	8.26	1.11	7.37e-04	-0.73	0.0	-2.51	-5.62	-0.82	8.71e-03	1.11	8.26

		1.13	0.07	-5.01e-04	0.0	120.0	-2.51	-6.35	-0.82	8.71e-03	0.07	1.13
35	56	9.21	0.95	7.96e-04	-0.73	0.0	-2.60	-6.36	-0.89	8.44e-03	0.95	9.21
		1.08	-0.05	-5.70e-04	0.0	120.0	-2.60	-7.09	-0.89	8.44e-03	-0.05	1.08
35	60	9.21	0.84	7.57e-04	-0.73	0.0	-2.84	-6.35	-0.75	8.23e-03	0.84	9.21
		1.10	2.95e-03	-4.56e-04	0.0	120.0	-2.84	-7.08	-0.75	8.23e-03	2.95e-03	1.10
35	61	8.15	0.48	3.31e-04	-0.73	0.0	2.46	-5.35	0.19	6.35e-03	0.31	8.15
		1.36	0.31	6.58e-04	0.0	120.0	2.46	-6.08	0.19	6.35e-03	0.48	1.36
35	68	10.30	0.43	7.09e-04	-0.73	0.0	-1.09	-7.15	-0.58	7.20e-03	0.43	10.30
		1.10	-0.07	-1.96e-04	0.0	120.0	-1.09	-7.88	-0.58	7.20e-03	-0.07	1.10
35	83	8.30	1.05	7.15e-04	-0.73	0.0	-2.26	-5.64	-0.76	8.56e-03	1.05	8.30
		1.14	0.09	-4.34e-04	0.0	120.0	-2.26	-6.37	-0.76	8.56e-03	0.09	1.14
35	88	9.16	0.91	7.68e-04	-0.73	0.0	-2.34	-6.31	-0.82	8.31e-03	0.91	9.16
		1.09	-0.02	-4.96e-04	0.0	120.0	-2.34	-7.04	-0.82	8.31e-03	-0.02	1.09
35	92	9.16	0.81	7.34e-04	-0.73	0.0	-2.55	-6.30	-0.70	8.12e-03	0.81	9.16
		1.11	0.03	-3.95e-04	0.0	120.0	-2.55	-7.03	-0.70	8.12e-03	0.03	1.11
35	93	8.20	0.45	3.54e-04	-0.73	0.0	2.17	-5.40	0.14	6.45e-03	0.34	8.20
		1.34	0.34	5.97e-04	0.0	120.0	2.17	-6.13	0.14	6.45e-03	0.45	1.34
35	100	10.14	0.44	6.92e-04	-0.73	0.0	-1.00	-7.03	-0.54	7.20e-03	0.44	10.14
		1.12	-0.04	-1.64e-04	0.0	120.0	-1.00	-7.76	-0.54	7.20e-03	-0.04	1.12
35	115	8.18	1.38	8.52e-04	-0.73	0.0	-3.80	-5.61	-1.11	9.47e-03	1.38	8.18
		1.07	-0.04	-8.43e-04	0.0	120.0	-3.80	-6.34	-1.11	9.47e-03	-0.04	1.07
35	118	9.19	0.52	2.36e-04	-0.73	0.0	3.41	-6.09	0.55	5.10e-03	-0.24	9.19
		1.39	-0.24	1.05e-03	0.0	120.0	3.41	-6.82	0.55	5.10e-03	0.52	1.39
35	120	9.36	1.18	9.26e-04	-0.73	0.0	-3.92	-6.54	-1.23	9.09e-03	1.18	9.36
		1.00	-0.20	-9.28e-04	0.0	120.0	-3.92	-7.27	-1.23	9.09e-03	-0.20	1.00
35	124	9.35	1.00	8.60e-04	-0.73	0.0	-4.22	-6.50	-0.99	8.74e-03	1.00	9.35
		1.03	-0.10	-7.40e-04	0.0	120.0	-4.22	-7.23	-0.99	8.74e-03	-0.10	1.03
35	125	8.01	0.58	2.28e-04	-0.73	0.0	3.84	-5.19	0.43	5.84e-03	0.14	8.01
		1.42	0.14	9.42e-04	0.0	120.0	3.84	-5.92	0.43	5.84e-03	0.58	1.42
35	132	10.70	0.41	7.69e-04	-0.73	0.0	-1.55	-7.49	-0.73	7.22e-03	0.41	10.70
		1.05	-0.18	-3.25e-04	0.0	120.0	-1.55	-8.22	-0.73	7.22e-03	-0.18	1.05
37	2	24.71	0.82	-1.58e-03	-0.95	0.0	-0.51	18.05	0.45	-0.03	0.27	3.63
		3.63	0.27	-1.78e-04	0.0	120.0	-0.51	17.09	0.45	-0.03	0.82	24.71
37	3	5.03	0.22	-3.26e-04	-0.73	0.0	-0.13	3.94	0.18	-5.35e-03	4.01e-03	0.74
		0.74	4.01e-03	-3.56e-05	0.0	120.0	-0.13	3.21	0.18	-5.35e-03	0.22	5.03
37	7	5.08	0.25	-3.29e-04	-0.73	0.0	-0.13	3.94	0.26	-5.39e-03	-0.07	0.79
		0.79	-0.07	-2.99e-05	0.0	120.0	-0.13	3.21	0.26	-5.39e-03	0.25	5.08
37	9	5.01	0.21	-3.25e-04	-0.73	0.0	-0.12	3.94	0.14	-5.34e-03	0.04	0.72
		0.72	0.04	-3.84e-05	0.0	120.0	-0.12	3.21	0.14	-5.34e-03	0.21	5.01
37	10	17.14	0.57	-1.10e-03	-0.73	0.0	-0.36	12.56	0.31	-0.02	0.20	2.51
		2.51	0.20	-1.25e-04	0.0	120.0	-0.36	11.82	0.31	-0.02	0.57	17.14
37	11	5.04	0.23	-3.27e-04	-0.73	0.0	-0.13	3.94	0.20	-5.36e-03	-7.58e-03	0.75
		0.75	-7.58e-03	-3.46e-05	0.0	120.0	-0.13	3.21	0.20	-5.36e-03	0.23	5.04
37	13	4.97	0.19	-3.22e-04	-0.73	0.0	-0.12	3.94	0.06	-5.30e-03	0.11	0.68
		0.68	0.11	-4.41e-05	0.0	120.0	-0.12	3.21	0.06	-5.30e-03	0.19	4.97
37	14	11.03	0.36	-7.10e-04	-0.73	0.0	-0.24	8.25	0.15	-0.01	0.19	1.57
		1.57	0.19	-8.73e-05	0.0	120.0	-0.24	7.51	0.15	-0.01	0.36	11.03
37	15	4.98	0.19	-3.23e-04	-0.73	0.0	-0.12	3.94	0.09	-5.32e-03	0.09	0.69
		0.69	0.09	-4.22e-05	0.0	120.0	-0.12	3.21	0.09	-5.32e-03	0.19	4.98
37	17	4.97	0.19	-3.22e-04	-0.73	0.0	-0.12	3.94	0.06	-5.30e-03	0.11	0.68
		0.68	0.11	-4.41e-05	0.0	120.0	-0.12	3.21	0.06	-5.30e-03	0.19	4.97
37	18	8.61	0.29	-5.55e-04	-0.73	0.0	-0.19	6.52	0.11	-9.92e-03	0.16	1.22
		1.22	0.16	-7.00e-05	0.0	120.0	-0.19	5.79	0.11	-9.92e-03	0.29	8.61
37	27	7.92	1.12	-2.76e-04	-0.73	0.0	1.59	5.95	0.99	-9.32e-03	-0.06	1.22
		1.22	-0.06	-9.38e-04	0.0	120.0	1.59	5.22	0.99	-9.32e-03	1.12	7.92
37	30	9.29	0.37	-8.36e-04	-0.73	0.0	-1.98	7.09	-0.76	-0.01	0.37	1.22
		1.22	-0.54	7.98e-04	0.0	120.0	-1.98	6.36	-0.76	-0.01	-0.54	9.29
37	35	6.84	1.36	-3.59e-04	-0.73	0.0	0.42	5.24	0.70	-9.31e-03	0.55	0.99
		0.99	0.55	-4.92e-04	0.0	120.0	0.42	4.51	0.70	-9.31e-03	1.36	6.84
37	38	10.37	-0.24	-7.50e-04	-0.73	0.0	-0.81	7.80	-0.47	-0.01	-0.24	1.45
		1.45	-0.78	3.52e-04	0.0	120.0	-0.81	7.07	-0.47	-0.01	-0.78	10.37
37	45	7.01	0.90	-5.46e-04	-0.73	0.0	-0.62	5.45	-0.32	-9.52e-03	0.90	0.90
		0.90	0.90	1.47e-04	0.0	120.0	-0.62	4.72	-0.32	-9.52e-03	0.90	7.01
37	59	8.01	0.96	-3.36e-04	-0.73	0.0	1.17	6.04	0.80	-9.44e-03	0.01	1.21
		1.21	0.01	-7.36e-04	0.0	120.0	1.17	5.31	0.80	-9.44e-03	0.96	8.01
37	62	9.20	0.30	-7.73e-04	-0.73	0.0	-1.56	7.01	-0.57	-0.01	0.30	1.23
		1.23	-0.38	5.96e-04	0.0	120.0	-1.56	6.28	-0.57	-0.01	-0.38	9.20
37	67	7.02	1.23	-3.92e-04	-0.73	0.0	0.28	5.38	0.60	-9.39e-03	0.53	1.00
		1.00	0.53	-4.07e-04	0.0	120.0	0.28	4.65	0.60	-9.39e-03	1.23	7.02
37	70	10.19	-0.22	-7.18e-04	-0.73	0.0	-0.67	7.66	-0.37	-0.01	-0.22	1.43
		1.43	-0.64	2.67e-04	0.0	120.0	-0.67	6.93	-0.37	-0.01	-0.64	10.19
37	77	7.16	0.87	-5.33e-04	-0.73	0.0	-0.52	5.55	-0.23	-9.54e-03	0.81	0.93
		0.93	0.81	8.05e-05	0.0	120.0	-0.52	4.82	-0.23	-9.54e-03	0.87	7.16
37	91	8.07	0.89	-3.60e-04	-0.73	0.0	1.02	6.09	0.72	-9.49e-03	0.03	1.21
		1.21	0.03	-6.63e-04	0.0	120.0	1.02	5.36	0.72	-9.49e-03	0.89	8.07

37	94	9.14	0.28	-7.50e-04	-0.73	0.0	-1.41	6.96	-0.49	-0.01	0.28	1.23
		1.23	-0.31	5.23e-04	0.0	120.0	-1.41	6.23	-0.49	-0.01	-0.31	9.14
37	99	7.18	1.14	-4.08e-04	-0.73	0.0	0.23	5.49	0.55	-9.45e-03	0.49	1.02
		1.02	0.49	-3.71e-04	0.0	120.0	0.23	4.76	0.55	-9.45e-03	1.14	7.18
37	102	10.03	-0.18	-7.01e-04	-0.73	0.0	-0.62	7.55	-0.32	-0.01	-0.18	1.41
		1.41	-0.55	2.31e-04	0.0	120.0	-0.62	6.82	-0.32	-0.01	-0.55	10.03
37	109	7.29	0.82	-5.34e-04	-0.73	0.0	-0.48	5.64	-0.20	-9.58e-03	0.75	0.96
		0.96	0.75	6.26e-05	0.0	120.0	-0.48	4.91	-0.20	-9.58e-03	0.82	7.29
37	123	7.82	1.25	-2.36e-04	-0.73	0.0	1.87	5.87	1.13	-9.23e-03	-0.10	1.22
		1.22	-0.10	-1.08e-03	0.0	120.0	1.87	5.14	1.13	-9.23e-03	1.25	7.82
37	126	9.39	0.41	-8.80e-04	-0.73	0.0	-2.26	7.17	-0.90	-0.01	0.41	1.21
		1.21	-0.66	9.37e-04	0.0	120.0	-2.26	6.44	-0.90	-0.01	-0.66	9.39
37	131	6.62	1.51	-3.31e-04	-0.73	0.0	0.52	5.08	0.79	-9.23e-03	0.59	0.96
		0.96	0.59	-5.58e-04	0.0	120.0	0.52	4.35	0.79	-9.23e-03	1.51	6.62
37	134	10.59	-0.28	-7.78e-04	-0.73	0.0	-0.91	7.97	-0.56	-0.01	-0.28	1.47
		1.47	-0.92	4.18e-04	0.0	120.0	-0.91	7.24	-0.56	-0.01	-0.92	10.59
37	141	6.81	1.00	-5.49e-04	-0.73	0.0	-0.70	5.32	-0.40	-9.48e-03	1.00	0.86
		0.86	0.97	1.88e-04	0.0	120.0	-0.70	4.59	-0.40	-9.48e-03	0.97	6.81
38	2	24.91	1.64	-4.44e-05	-0.32	0.0	-0.51	0.68	2.06	7.79e-03	0.82	24.70
		24.70	0.82	-7.22e-06	0.0	40.0	-0.51	0.36	2.06	7.79e-03	1.64	24.91
38	3	5.09	0.44	-9.05e-06	-0.24	0.0	-0.12	0.26	0.55	2.39e-03	0.22	5.03
		5.03	0.22	2.34e-06	0.0	40.0	-0.12	0.02	0.55	2.39e-03	0.44	5.09
38	9	5.06	0.41	-9.08e-06	-0.24	0.0	-0.12	0.26	0.50	2.27e-03	0.21	5.01
		5.01	0.21	1.24e-06	0.0	40.0	-0.12	0.01	0.50	2.27e-03	0.41	5.06
38	10	17.28	1.14	-3.08e-05	-0.24	0.0	-0.36	0.49	1.43	5.46e-03	0.57	17.13
		17.13	0.57	-5.05e-06	0.0	40.0	-0.36	0.24	1.43	5.46e-03	1.14	17.28
38	13	5.02	0.35	-9.14e-06	-0.24	0.0	-0.12	0.24	0.42	2.03e-03	0.19	4.97
		4.97	0.19	-1.84e-06	0.0	40.0	-0.12	7.91e-04	0.42	2.03e-03	0.35	5.02
38	14	11.12	0.72	-2.00e-05	-0.24	0.0	-0.24	0.36	0.88	3.62e-03	0.37	11.03
		11.03	0.37	-4.02e-06	0.0	40.0	-0.24	0.12	0.88	3.62e-03	0.72	11.12
38	17	5.02	0.35	-9.14e-06	-0.24	0.0	-0.12	0.24	0.42	2.03e-03	0.19	4.97
		4.97	0.19	-1.84e-06	0.0	40.0	-0.12	7.91e-04	0.42	2.03e-03	0.35	5.02
38	18	8.68	0.57	-1.57e-05	-0.24	0.0	-0.19	0.31	0.70	2.98e-03	0.29	8.60
		8.60	0.29	-3.15e-06	0.0	40.0	-0.19	0.07	0.70	2.98e-03	0.57	8.68
38	28	9.26	1.00	7.91e-05	-0.24	0.0	-1.05	0.88	1.25	4.91e-03	0.52	8.93
		8.93	0.52	-2.60e-04	0.0	40.0	-1.05	0.63	1.25	4.91e-03	1.00	9.26
38	29	8.27	0.14	-8.39e-05	-0.24	0.0	0.66	-0.25	0.15	1.06e-03	0.07	8.27
		8.10	0.07	2.56e-04	0.0	40.0	0.66	-0.49	0.15	1.06e-03	0.14	8.10
38	35	6.93	1.35	2.65e-05	-0.24	0.0	-0.37	0.29	-0.75	7.33e-04	1.35	6.84
		6.84	1.08	-7.94e-05	0.0	40.0	-0.37	0.05	-0.75	7.33e-04	1.08	6.93
38	36	10.46	0.44	2.79e-05	-0.24	0.0	-0.47	0.70	2.19	6.01e-03	-0.40	10.24
		10.24	-0.40	-1.09e-04	0.0	40.0	-0.47	0.46	2.19	6.01e-03	0.44	10.46
38	38	10.43	0.06	-3.65e-05	-0.24	0.0	-0.01	0.34	2.15	5.23e-03	-0.76	10.36
		10.36	-0.76	7.57e-05	0.0	40.0	-0.01	0.09	2.15	5.23e-03	0.06	10.43
38	60	9.20	0.89	5.98e-05	-0.24	0.0	-0.84	0.75	1.18	4.53e-03	0.43	8.92
		8.92	0.43	-1.99e-04	0.0	40.0	-0.84	0.51	1.18	4.53e-03	0.89	9.20
38	61	8.28	0.26	-6.46e-05	-0.24	0.0	0.46	-0.12	0.21	1.43e-03	0.16	8.28
		8.16	0.16	1.96e-04	0.0	40.0	0.46	-0.37	0.21	1.43e-03	0.26	8.16
38	67	7.10	1.22	1.93e-05	-0.24	0.0	-0.33	0.27	-0.62	9.95e-04	1.22	7.02
		7.02	1.00	-5.81e-05	0.0	40.0	-0.33	0.03	-0.62	9.95e-04	1.00	7.10
38	68	10.29	0.43	2.07e-05	-0.24	0.0	-0.41	0.63	2.05	5.56e-03	-0.36	10.09
		10.09	-0.36	-8.54e-05	0.0	40.0	-0.41	0.39	2.05	5.56e-03	0.43	10.29
38	70	10.26	0.15	-3.13e-05	-0.24	0.0	-0.06	0.36	2.02	4.97e-03	-0.63	10.18
		10.18	-0.63	5.44e-05	0.0	40.0	-0.06	0.11	2.02	4.97e-03	0.15	10.26
38	92	9.15	0.85	5.29e-05	-0.24	0.0	-0.77	0.70	1.13	4.37e-03	0.41	8.90
		8.90	0.41	-1.77e-04	0.0	40.0	-0.77	0.46	1.13	4.37e-03	0.85	9.15
38	93	8.31	0.29	-5.77e-05	-0.24	0.0	0.39	-0.08	0.26	1.60e-03	0.18	8.31
		8.21	0.18	1.74e-04	0.0	40.0	0.39	-0.32	0.26	1.60e-03	0.29	8.21
38	99	7.25	1.13	1.69e-05	-0.24	0.0	-0.31	0.27	-0.49	1.19e-03	1.13	7.18
		7.18	0.95	-5.17e-05	0.0	40.0	-0.31	0.03	-0.49	1.19e-03	0.95	7.25
38	100	10.13	0.44	1.81e-05	-0.24	0.0	-0.39	0.60	1.92	5.30e-03	-0.30	9.95
		9.95	-0.30	-7.63e-05	0.0	40.0	-0.39	0.36	1.92	5.30e-03	0.44	10.13
38	102	10.11	0.19	-2.94e-05	-0.24	0.0	-0.08	0.35	1.89	4.78e-03	-0.54	10.03
		10.03	-0.54	4.80e-05	0.0	40.0	-0.08	0.11	1.89	4.78e-03	0.19	10.11
38	124	9.33	1.07	9.22e-05	-0.24	0.0	-1.18	0.97	1.32	5.21e-03	0.56	8.97
		8.97	0.56	-3.02e-04	0.0	40.0	-1.18	0.72	1.32	5.21e-03	1.07	9.33
38	125	8.24	0.07	-9.70e-05	-0.24	0.0	0.80	-0.34	0.08	7.57e-04	0.03	8.24
		8.03	0.03	2.98e-04	0.0	40.0	0.80	-0.58	0.08	7.57e-04	0.07	8.03
38	131	6.71	1.49	3.15e-05	-0.24	0.0	-0.40	0.29	-0.93	4.13e-04	1.49	6.62
		6.62	1.16	-9.35e-05	0.0	40.0	-0.40	0.05	-0.93	4.13e-04	1.16	6.71
38	132	10.69	0.42	3.31e-05	-0.24	0.0	-0.52	0.76	2.37	6.47e-03	-0.48	10.44
		10.44	-0.48	-1.27e-04	0.0	40.0	-0.52	0.52	2.37	6.47e-03	0.42	10.69
38	134	10.64	-0.01	-4.05e-05	-0.24	0.0	0.02	0.33	2.33	5.55e-03	-0.90	10.59
		10.59	-0.90	8.98e-05	0.0	40.0	0.02	0.09	2.33	5.55e-03	-0.01	10.64
40	1	0.96	0.03	-5.01e-05	-0.08	0.0	-0.17	9.59	0.35	-0.05	0.0	0.0

		0.0	0.0	-5.77e-06	0.0	10.0	-0.17	9.51	0.35	-0.05	0.03	0.96
40	2	3.65	0.27	-1.87e-04	-0.08	0.0	-0.52	36.58	2.66	-0.19	0.0	0.0
		0.0	0.0	-2.15e-05	0.0	10.0	-0.52	36.50	2.66	-0.19	0.27	3.65
40	7	0.79	0.0	-3.91e-05	-0.06	0.0	-0.13	7.94	-0.67	-0.04	0.0	0.0
		0.0	-0.07	-2.99e-06	0.0	10.0	-0.13	7.88	-0.67	-0.04	-0.07	0.79
40	9	0.73	0.04	-3.84e-05	-0.06	0.0	-0.13	7.31	0.38	-0.04	0.0	0.0
		0.0	0.0	-4.60e-06	0.0	10.0	-0.13	7.25	0.38	-0.04	0.04	0.73
40	10	2.53	0.19	-1.30e-04	-0.06	0.0	-0.37	25.30	1.91	-0.13	0.0	0.0
		0.0	0.0	-1.51e-05	0.0	10.0	-0.37	25.24	1.91	-0.13	0.19	2.53
40	11	0.76	0.0	-3.87e-05	-0.06	0.0	-0.13	7.59	-0.09	-0.04	0.0	0.0
		0.0	-8.99e-03	-3.89e-06	0.0	10.0	-0.13	7.53	-0.09	-0.04	-8.99e-03	0.76
40	13	0.69	0.11	-3.80e-05	-0.06	0.0	-0.13	6.89	1.08	-0.04	0.0	0.0
		0.0	0.0	-5.67e-06	0.0	10.0	-0.13	6.83	1.08	-0.04	0.11	0.69
40	14	1.59	0.18	-8.36e-05	-0.06	0.0	-0.25	15.89	1.84	-0.09	0.0	0.0
		0.0	0.0	-1.09e-05	0.0	10.0	-0.25	15.83	1.84	-0.09	0.18	1.59
40	15	0.70	0.08	-3.81e-05	-0.06	0.0	-0.13	7.03	0.84	-0.04	0.0	0.0
		0.0	0.0	-5.32e-06	0.0	10.0	-0.13	6.97	0.84	-0.04	0.08	0.70
40	17	0.69	0.11	-3.80e-05	-0.06	0.0	-0.13	6.89	1.08	-0.04	0.0	0.0
		0.0	0.0	-5.67e-06	0.0	10.0	-0.13	6.83	1.08	-0.04	0.11	0.69
40	18	1.23	0.15	-6.54e-05	-0.06	0.0	-0.20	12.29	1.54	-0.07	0.0	0.0
		0.0	0.0	-8.83e-06	0.0	10.0	-0.20	12.23	1.54	-0.07	0.15	1.23
40	27	1.23	0.02	-4.09e-05	-0.06	0.0	4.57	12.30	0.23	-0.21	0.0	0.0
		0.0	0.0	-8.29e-05	0.0	10.0	4.57	12.24	0.23	-0.21	0.02	1.23
40	30	1.23	0.28	-8.99e-05	-0.06	0.0	-4.97	12.28	2.84	0.07	0.0	0.0
		0.0	0.0	6.52e-05	0.0	10.0	-4.97	12.22	2.84	0.07	0.28	1.23
40	44	1.55	0.0	-6.97e-05	-0.06	0.0	0.94	15.50	-5.84	-0.16	0.0	0.0
		0.0	-0.58	-1.66e-05	0.0	10.0	0.94	15.44	-5.84	-0.16	-0.58	1.55
40	45	0.90	0.89	-6.11e-05	-0.06	0.0	-1.34	9.08	8.91	0.03	0.0	0.0
		0.0	0.0	-1.06e-06	0.0	10.0	-1.34	9.02	8.91	0.03	0.89	0.90
40	47	0.95	0.70	-4.72e-05	-0.06	0.0	1.36	9.57	7.04	-0.07	0.0	0.0
		0.0	0.0	-4.66e-05	0.0	10.0	1.36	9.51	7.04	-0.07	0.70	0.95
40	59	1.22	0.08	-4.62e-05	-0.06	0.0	3.44	12.19	0.75	-0.17	0.0	0.0
		0.0	0.0	-6.61e-05	0.0	10.0	3.44	12.13	0.75	-0.17	0.08	1.22
40	62	1.24	0.23	-8.46e-05	-0.06	0.0	-3.84	12.39	2.32	0.04	0.0	0.0
		0.0	0.0	4.84e-05	0.0	10.0	-3.84	12.33	2.32	0.04	0.23	1.24
40	76	1.51	0.0	-7.05e-05	-0.06	0.0	0.65	15.16	-4.98	-0.14	0.0	0.0
		0.0	-0.50	-1.20e-05	0.0	10.0	0.65	15.10	-4.98	-0.14	-0.50	1.51
40	77	0.94	0.81	-6.03e-05	-0.06	0.0	-1.05	9.42	8.06	0.01	0.0	0.0
		0.0	0.0	-5.61e-06	0.0	10.0	-1.05	9.36	8.06	0.01	0.81	0.94
40	79	0.98	0.66	-4.98e-05	-0.06	0.0	1.00	9.80	6.64	-0.07	0.0	0.0
		0.0	0.0	-4.01e-05	0.0	10.0	1.00	9.74	6.64	-0.07	0.66	0.98
40	91	1.22	0.09	-4.83e-05	-0.06	0.0	3.04	12.19	0.86	-0.16	0.0	0.0
		0.0	0.0	-5.98e-05	0.0	10.0	3.04	12.13	0.86	-0.16	0.09	1.22
40	94	1.24	0.22	-8.25e-05	-0.06	0.0	-3.44	12.39	2.21	0.03	0.0	0.0
		0.0	0.0	4.21e-05	0.0	10.0	-3.44	12.33	2.21	0.03	0.22	1.24
40	108	1.49	0.0	-7.01e-05	-0.06	0.0	0.56	14.88	-4.35	-0.14	0.0	0.0
		0.0	-0.44	-1.14e-05	0.0	10.0	0.56	14.82	-4.35	-0.14	-0.44	1.49
40	109	0.97	0.74	-6.07e-05	-0.06	0.0	-0.95	9.70	7.42	2.31e-03	0.0	0.0
		0.0	0.0	-6.21e-06	0.0	10.0	-0.95	9.64	7.42	2.31e-03	0.74	0.97
40	111	1.00	0.62	-5.13e-05	-0.06	0.0	0.87	10.04	6.16	-0.07	0.0	0.0
		0.0	0.0	-3.69e-05	0.0	10.0	0.87	9.97	6.16	-0.07	0.62	1.00
40	123	1.23	0.0	-3.71e-05	-0.06	0.0	5.33	12.33	-0.03	-0.23	0.0	0.0
		0.0	-3.09e-03	-9.46e-05	0.0	10.0	5.33	12.27	-0.03	-0.23	-3.09e-03	1.23
40	126	1.22	0.31	-9.37e-05	-0.06	0.0	-5.73	12.25	3.10	0.10	0.0	0.0
		0.0	0.0	7.69e-05	0.0	10.0	-5.73	12.19	3.10	0.10	0.31	1.22
40	140	1.59	0.0	-6.98e-05	-0.06	0.0	1.14	15.92	-6.80	-0.18	0.0	0.0
		0.0	-0.68	-1.88e-05	0.0	10.0	1.14	15.85	-6.80	-0.18	-0.68	1.59
40	141	0.86	0.99	-6.09e-05	-0.06	0.0	-1.54	8.67	9.88	0.04	0.0	0.0
		0.0	0.0	1.13e-06	0.0	10.0	-1.54	8.61	9.88	0.04	0.99	0.86
40	143	0.92	0.77	-4.47e-05	-0.06	0.0	1.61	9.24	7.70	-0.08	0.0	0.0
		0.0	0.0	-5.20e-05	0.0	10.0	1.61	9.18	7.70	-0.08	0.77	0.92
47	2	0.34	0.12	-2.39e-05	-0.08	0.0	1.89	3.44	1.17	-2.82e-05	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	1.89	3.36	1.17	-2.82e-05	0.12	0.34
47	4	0.30	0.12	-2.15e-05	-0.06	0.0	1.50	3.05	1.18	-1.01e-05	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	1.50	2.99	1.18	-1.01e-05	0.12	0.30
47	7	0.12	0.22	-8.09e-06	-0.06	0.0	1.31	1.25	2.23	-2.58e-04	0.0	0.0
		0.0	0.0	-2.99e-06	0.0	10.0	1.31	1.18	2.23	-2.58e-04	0.22	0.12
47	10	0.24	0.08	-1.71e-05	-0.06	0.0	1.44	2.47	0.77	-2.68e-05	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	1.44	2.41	0.77	-2.68e-05	0.08	0.24
47	11	0.12	0.15	-8.16e-06	-0.06	0.0	1.31	1.26	1.46	-1.92e-04	0.0	0.0
		0.0	0.0	-2.11e-06	0.0	10.0	1.31	1.20	1.46	-1.92e-04	0.15	0.12
47	14	0.19	0.0	-1.27e-05	-0.06	0.0	1.37	1.89	-0.10	-4.09e-06	0.0	0.0
		0.0	-0.01	0.0	0.0	10.0	1.37	1.83	-0.10	-4.09e-06	-0.01	0.19
47	15	0.13	0.02	-8.28e-06	-0.06	0.0	1.31	1.29	0.25	-8.66e-05	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	1.31	1.23	0.25	-8.66e-05	0.02	0.13

47	17	0.13	0.0	-8.31e-06	-0.06	0.0	1.31	1.30	-0.06	-6.03e-05	0.0	0.0
		0.0	-5.95e-03	0.0	0.0	10.0	1.31	1.24	-0.06	-6.03e-05	-5.95e-03	0.13
47	18	0.16	0.0	-1.10e-05	-0.06	0.0	1.35	1.65	-0.09	-2.66e-05	0.0	0.0
		0.0	-8.51e-03	0.0	0.0	10.0	1.35	1.59	-0.09	-2.66e-05	-8.51e-03	0.16
47	21	0.26	0.0	9.89e-06	-0.06	0.0	0.89	2.58	-0.09	0.01	0.0	0.0
		0.0	-8.79e-03	1.10e-04	0.0	10.0	0.89	2.52	-0.09	0.01	-8.79e-03	0.26
47	30	0.20	0.02	8.87e-06	-0.06	0.0	0.75	2.05	0.22	0.01	0.0	0.0
		0.0	0.0	1.01e-04	0.0	10.0	0.75	1.99	0.22	0.01	0.02	0.20
47	31	0.12	0.0	-2.95e-05	-0.06	0.0	1.96	1.25	-0.48	-0.01	0.0	0.0
		0.0	-0.05	-9.99e-05	0.0	10.0	1.96	1.19	-0.48	-0.01	-0.05	0.12
47	34	0.20	0.03	7.60e-06	-0.06	0.0	0.74	2.06	0.31	0.01	0.0	0.0
		0.0	0.0	9.97e-05	0.0	10.0	0.74	1.99	0.31	0.01	0.03	0.20
47	47	0.21	0.0	-1.44e-05	-0.06	0.0	1.65	2.09	-0.95	-2.36e-03	0.0	0.0
		0.0	-0.10	-4.36e-05	0.0	10.0	1.65	2.03	-0.95	-2.36e-03	-0.10	0.21
47	50	0.12	0.08	-7.52e-06	-0.06	0.0	1.05	1.22	0.78	2.30e-03	0.0	0.0
		0.0	0.0	4.34e-05	0.0	10.0	1.05	1.15	0.78	2.30e-03	0.08	0.12
47	53	0.24	0.0	4.69e-06	-0.06	0.0	0.99	2.38	-0.10	0.01	0.0	0.0
		0.0	-9.78e-03	8.21e-05	0.0	10.0	0.99	2.32	-0.10	0.01	-9.78e-03	0.24
47	62	0.19	0.02	4.31e-06	-0.06	0.0	0.86	1.93	0.18	8.48e-03	0.0	0.0
		0.0	0.0	7.76e-05	0.0	10.0	0.86	1.87	0.18	8.48e-03	0.02	0.19
47	63	0.13	0.0	-2.50e-05	-0.06	0.0	1.85	1.38	-0.43	-8.48e-03	0.0	0.0
		0.0	-0.04	-7.67e-05	0.0	10.0	1.85	1.31	-0.43	-8.48e-03	-0.04	0.13
47	66	0.19	0.03	3.07e-06	-0.06	0.0	0.85	1.93	0.26	8.43e-03	0.0	0.0
		0.0	0.0	7.65e-05	0.0	10.0	0.85	1.87	0.26	8.43e-03	0.03	0.19
47	79	0.20	0.0	-1.31e-05	-0.06	0.0	1.60	2.08	-0.86	-1.65e-03	0.0	0.0
		0.0	-0.09	-3.54e-05	0.0	10.0	1.60	2.02	-0.86	-1.65e-03	-0.09	0.20
47	82	0.12	0.07	-8.81e-06	-0.06	0.0	1.10	1.23	0.69	1.60e-03	0.0	0.0
		0.0	0.0	3.52e-05	0.0	10.0	1.10	1.17	0.69	1.60e-03	0.07	0.12
47	94	0.19	0.02	2.63e-06	-0.06	0.0	0.91	1.90	0.15	7.53e-03	0.0	0.0
		0.0	0.0	6.90e-05	0.0	10.0	0.91	1.84	0.15	7.53e-03	0.02	0.19
47	95	0.14	0.0	-2.34e-05	-0.06	0.0	1.80	1.41	-0.40	-7.54e-03	0.0	0.0
		0.0	-0.04	-6.83e-05	0.0	10.0	1.80	1.35	-0.40	-7.54e-03	-0.04	0.14
47	98	0.19	0.02	1.51e-06	-0.06	0.0	0.90	1.90	0.23	7.49e-03	0.0	0.0
		0.0	0.0	6.81e-05	0.0	10.0	0.90	1.84	0.23	7.49e-03	0.02	0.19
47	101	0.23	0.0	-8.31e-06	-0.06	0.0	1.31	2.31	-0.46	3.55e-03	0.0	0.0
		0.0	-0.05	7.76e-06	0.0	10.0	1.31	2.25	-0.46	3.55e-03	-0.05	0.23
47	111	0.20	0.0	-1.28e-05	-0.06	0.0	1.58	2.04	-0.79	-1.45e-03	0.0	0.0
		0.0	-0.08	-3.17e-05	0.0	10.0	1.58	1.98	-0.79	-1.45e-03	-0.08	0.20
47	114	0.12	0.06	-9.09e-06	-0.06	0.0	1.12	1.27	0.62	1.40e-03	0.0	0.0
		0.0	0.0	3.15e-05	0.0	10.0	1.12	1.21	0.62	1.40e-03	0.06	0.12
47	117	0.27	0.0	1.35e-05	-0.06	0.0	0.82	2.73	-0.08	0.02	0.0	0.0
		0.0	-8.28e-03	1.29e-04	0.0	10.0	0.82	2.67	-0.08	0.02	-8.28e-03	0.27
47	126	0.21	0.03	1.20e-05	-0.06	0.0	0.65	2.13	0.26	0.01	0.0	0.0
		0.0	0.0	1.17e-04	0.0	10.0	0.65	2.07	0.26	0.01	0.03	0.21
47	127	0.12	0.0	-3.26e-05	-0.06	0.0	2.06	1.18	-0.54	-0.01	0.0	0.0
		0.0	-0.05	-1.16e-04	0.0	10.0	2.06	1.12	-0.54	-0.01	-0.05	0.12
47	130	0.21	0.04	1.06e-05	-0.06	0.0	0.64	2.13	0.37	0.01	0.0	0.0
		0.0	0.0	1.16e-04	0.0	10.0	0.64	2.07	0.37	0.01	0.04	0.21
47	143	0.21	0.0	-1.51e-05	-0.06	0.0	1.69	2.14	-1.07	-2.77e-03	0.0	0.0
		0.0	-0.11	-5.00e-05	0.0	10.0	1.69	2.08	-1.07	-2.77e-03	-0.11	0.21
47	146	0.11	0.09	-6.83e-06	-0.06	0.0	1.00	1.17	0.90	2.71e-03	0.0	0.0
		0.0	0.0	4.98e-05	0.0	10.0	1.00	1.11	0.90	2.71e-03	0.09	0.11
48	2	3.33	0.23	-1.99e-04	-0.95	0.0	1.89	2.95	0.09	-2.82e-05	0.12	0.36
		0.36	0.12	1.75e-05	0.0	120.0	1.89	2.00	0.09	-2.82e-05	0.23	3.33
48	3	1.06	0.13	-6.70e-05	-0.73	0.0	1.31	1.14	-0.04	-1.79e-04	0.13	0.13
		0.13	0.08	-5.75e-06	0.0	120.0	1.31	0.41	-0.04	-1.79e-04	0.08	1.06
48	7	1.04	0.22	-6.63e-05	-0.73	0.0	1.31	1.13	-0.11	-2.58e-04	0.22	0.12
		0.12	0.10	-8.24e-06	0.0	120.0	1.31	0.40	-0.11	-2.58e-04	0.10	1.04
48	9	1.06	0.09	-6.74e-05	-0.73	0.0	1.31	1.14	-0.01	-1.39e-04	0.09	0.13
		0.13	0.07	-4.53e-06	0.0	120.0	1.31	0.41	-0.01	-1.39e-04	0.07	1.06
48	10	2.36	0.16	-1.42e-04	-0.73	0.0	1.44	2.12	0.07	-2.68e-05	0.08	0.26
		0.26	0.08	1.14e-05	0.0	120.0	1.44	1.39	0.07	-2.68e-05	0.16	2.36
48	11	1.05	0.15	-6.69e-05	-0.73	0.0	1.31	1.14	-0.05	-1.92e-04	0.15	0.13
		0.13	0.08	-6.16e-06	0.0	120.0	1.31	0.41	-0.05	-1.92e-04	0.08	1.05
48	14	1.72	0.10	-1.05e-04	-0.73	0.0	1.37	1.64	0.09	-4.09e-06	-0.01	0.19
		0.19	-0.01	4.97e-06	0.0	120.0	1.37	0.91	0.09	-4.09e-06	0.10	1.72
48	15	1.07	0.06	-6.79e-05	-0.73	0.0	1.31	1.15	0.03	-8.66e-05	0.02	0.13
		0.13	0.02	-2.97e-06	0.0	120.0	1.31	0.42	0.03	-8.66e-05	0.06	1.07
48	17	1.07	0.05	-6.81e-05	-0.73	0.0	1.31	1.15	0.05	-6.03e-05	-5.95e-03	0.13
		0.13	-5.95e-03	-2.30e-06	0.0	120.0	1.31	0.42	0.05	-6.03e-05	0.05	1.07
48	18	1.46	0.08	-9.05e-05	-0.73	0.0	1.35	1.45	0.07	-2.66e-05	-8.51e-03	0.17
		0.17	-8.51e-03	2.23e-06	0.0	120.0	1.35	0.71	0.07	-2.66e-05	0.08	1.46
48	20	1.29	-8.23e-03	-3.46e-04	-0.73	0.0	1.59	1.38	-0.54	-0.01	-8.23e-03	0.08
		0.08	-0.64	-1.35e-03	0.0	120.0	1.59	0.65	-0.54	-0.01	-0.64	1.29
48	31	1.59	-0.05	-3.33e-04	-0.73	0.0	1.70	1.59	-0.07	-0.01	-0.05	0.13

		0.13	-0.11	-1.21e-03	0.0	120.0	1.70	0.86	-0.07	-0.01	-0.11	1.59
48	34	1.34	0.26	1.52e-04	-0.73	0.0	1.00	1.30	0.21	0.01	0.03	0.21
		0.21	0.03	1.21e-03	0.0	120.0	1.00	0.57	0.21	0.01	0.26	1.34
48	36	0.95	0.04	-1.52e-04	-0.73	0.0	1.36	1.08	-0.71	-5.21e-03	0.04	0.08
		0.08	-0.81	-2.29e-04	0.0	120.0	1.36	0.35	-0.71	-5.21e-03	-0.81	0.95
48	37	1.98	0.97	-3.70e-05	-0.73	0.0	1.34	1.81	0.86	5.16e-03	-0.06	0.25
		0.25	-0.06	2.34e-04	0.0	120.0	1.34	1.08	0.86	5.16e-03	0.97	1.98
48	41	1.98	0.95	-4.30e-05	-0.73	0.0	1.33	1.81	0.84	4.43e-03	-0.06	0.25
		0.25	-0.06	1.59e-04	0.0	120.0	1.33	1.08	0.84	4.43e-03	0.95	1.98
48	63	1.58	-0.03	-2.77e-04	-0.73	0.0	1.63	1.57	-5.07e-03	-8.48e-03	-0.04	0.14
		0.14	-0.04	-9.26e-04	0.0	120.0	1.63	0.84	-5.07e-03	-8.48e-03	-0.03	1.58
48	66	1.35	0.19	9.63e-05	-0.73	0.0	1.06	1.32	0.15	8.43e-03	0.03	0.20
		0.20	0.03	9.30e-04	0.0	120.0	1.06	0.59	0.15	8.43e-03	0.19	1.35
48	68	1.00	0.03	-1.34e-04	-0.73	0.0	1.35	1.12	-0.62	-4.03e-03	0.03	0.10
		0.10	-0.71	-1.43e-04	0.0	120.0	1.35	0.39	-0.62	-4.03e-03	-0.71	1.00
48	69	1.93	0.86	-5.04e-05	-0.73	0.0	1.34	1.77	0.76	3.98e-03	-0.05	0.24
		0.24	-0.05	1.47e-04	0.0	120.0	1.34	1.04	0.76	3.98e-03	0.86	1.93
48	73	1.93	0.85	-5.49e-05	-0.73	0.0	1.33	1.77	0.75	3.45e-03	-0.05	0.24
		0.24	-0.05	9.29e-05	0.0	120.0	1.33	1.04	0.75	3.45e-03	0.85	1.93
48	95	1.57	-0.02	-2.57e-04	-0.73	0.0	1.61	1.56	6.47e-03	-7.54e-03	-0.04	0.14
		0.14	-0.04	-8.23e-04	0.0	120.0	1.61	0.83	6.47e-03	-7.54e-03	-0.02	1.57
48	98	1.36	0.17	7.58e-05	-0.73	0.0	1.09	1.33	0.14	7.49e-03	0.02	0.19
		0.19	0.02	8.28e-04	0.0	120.0	1.09	0.60	0.14	7.49e-03	0.17	1.36
48	100	1.04	0.03	-1.29e-04	-0.73	0.0	1.35	1.15	-0.55	-3.60e-03	0.03	0.10
		0.10	-0.63	-1.24e-04	0.0	120.0	1.35	0.42	-0.55	-3.60e-03	-0.63	1.04
48	101	1.89	0.79	-5.43e-05	-0.73	0.0	1.34	1.74	0.70	3.55e-03	-0.05	0.23
		0.23	-0.05	1.29e-04	0.0	120.0	1.34	1.01	0.70	3.55e-03	0.79	1.89
48	105	1.89	0.77	-5.86e-05	-0.73	0.0	1.33	1.74	0.68	3.07e-03	-0.05	0.23
		0.23	-0.05	8.02e-05	0.0	120.0	1.33	1.01	0.68	3.07e-03	0.77	1.89
48	116	1.27	-8.74e-03	-3.90e-04	-0.73	0.0	1.63	1.37	-0.63	-0.02	-8.74e-03	0.06
		0.06	-0.75	-1.59e-03	0.0	120.0	1.63	0.64	-0.63	-0.02	-0.75	1.27
48	127	1.60	-0.05	-3.72e-04	-0.73	0.0	1.75	1.61	-0.10	-0.01	-0.05	0.12
		0.12	-0.14	-1.40e-03	0.0	120.0	1.75	0.88	-0.10	-0.01	-0.14	1.60
48	130	1.32	0.30	1.91e-04	-0.73	0.0	0.95	1.28	0.24	0.01	0.04	0.21
		0.21	0.04	1.41e-03	0.0	120.0	0.95	0.55	0.24	0.01	0.30	1.32
48	132	0.88	0.04	-1.63e-04	-0.73	0.0	1.36	1.04	-0.81	-6.08e-03	0.04	0.07
		0.07	-0.93	-2.79e-04	0.0	120.0	1.36	0.31	-0.81	-6.08e-03	-0.93	0.88
48	133	2.05	1.09	-2.96e-05	-0.73	0.0	1.34	1.85	0.96	6.03e-03	-0.06	0.26
		0.26	-0.06	2.83e-04	0.0	120.0	1.34	1.12	0.96	6.03e-03	1.09	2.05
48	137	2.05	1.06	-3.66e-05	-0.73	0.0	1.32	1.85	0.93	5.13e-03	-0.06	0.26
		0.26	-0.06	1.92e-04	0.0	120.0	1.32	1.12	0.93	5.13e-03	1.06	2.05
49	2	3.41	0.23	4.92e-06	-0.32	0.0	1.89	0.36	-0.56	-2.82e-05	0.23	3.33
		3.33	4.88e-03	1.98e-05	0.0	40.0	1.89	0.04	-0.56	-2.82e-05	4.88e-03	3.41
49	4	3.09	0.21	4.53e-06	-0.24	0.0	1.50	0.31	-0.54	-1.01e-05	0.21	3.01
		3.01	6.81e-04	1.92e-05	0.0	40.0	1.50	0.07	-0.54	-1.01e-05	6.81e-04	3.09
49	7	1.06	0.10	-1.21e-06	-0.24	0.0	1.31	0.16	-0.13	-2.58e-04	0.10	1.04
		1.04	0.04	8.43e-06	0.0	40.0	1.31	-0.09	-0.13	-2.58e-04	0.04	1.06
49	10	2.42	0.16	3.45e-06	-0.24	0.0	1.44	0.26	-0.39	-2.68e-05	0.16	2.37
		2.37	5.12e-03	1.34e-05	0.0	40.0	1.44	0.01	-0.39	-2.68e-05	5.12e-03	2.42
49	11	1.07	0.08	1.23e-06	-0.24	0.0	1.31	0.16	-0.12	-1.92e-04	0.08	1.05
		1.05	0.03	6.28e-06	0.0	40.0	1.31	-0.09	-0.12	-1.92e-04	0.03	1.07
49	14	1.76	0.10	2.37e-06	-0.24	0.0	1.37	0.21	-0.23	-4.09e-06	0.10	1.73
		1.73	3.59e-03	6.42e-06	0.0	40.0	1.37	-0.04	-0.23	-4.09e-06	3.59e-03	1.76
49	15	1.09	0.06	1.26e-06	-0.24	0.0	1.31	0.15	-0.10	-8.66e-05	0.06	1.07
		1.07	0.02	2.84e-06	0.0	40.0	1.31	-0.09	-0.10	-8.66e-05	0.02	1.08
49	17	1.09	0.05	1.27e-06	-0.24	0.0	1.31	0.15	-0.09	-6.03e-05	0.05	1.07
		1.07	0.01	1.98e-06	0.0	40.0	1.31	-0.09	-0.09	-6.03e-05	0.01	1.09
49	18	1.49	0.08	1.93e-06	-0.24	0.0	1.35	0.18	-0.18	-2.66e-05	0.08	1.47
		1.47	7.75e-03	4.64e-06	0.0	40.0	1.35	-0.06	-0.18	-2.66e-05	7.75e-03	1.49
49	35	2.00	0.88	-2.02e-05	-0.24	0.0	1.45	0.19	0.53	-3.21e-03	0.68	1.97
		1.97	0.68	-1.68e-04	0.0	40.0	1.45	-0.05	0.53	-3.21e-03	0.88	2.00
49	36	1.00	-0.81	-2.84e-05	-0.24	0.0	1.25	0.26	-0.82	-5.21e-03	-0.81	0.95
		0.95	-1.14	-1.22e-04	0.0	40.0	1.25	0.01	-0.82	-5.21e-03	-1.14	1.00
49	37	1.99	1.15	3.23e-05	-0.24	0.0	1.45	0.11	0.46	5.16e-03	0.97	1.98
		1.98	0.97	1.32e-04	0.0	40.0	1.45	-0.13	0.46	5.16e-03	1.15	1.98
49	38	0.98	-0.52	2.41e-05	-0.24	0.0	1.25	0.18	-0.88	3.15e-03	-0.52	0.96
		0.96	-0.86	1.77e-04	0.0	40.0	1.25	-0.07	-0.88	3.15e-03	-0.86	0.98
49	40	1.00	-0.79	-2.57e-05	-0.24	0.0	1.25	0.25	-0.82	-4.48e-03	-0.79	0.95
		0.95	-1.11	-9.62e-05	0.0	40.0	1.25	3.82e-03	-0.82	-4.48e-03	-1.11	1.00
49	67	1.95	0.82	-1.42e-05	-0.24	0.0	1.43	0.19	0.45	-2.34e-03	0.64	1.92
		1.92	0.64	-1.29e-04	0.0	40.0	1.43	-0.06	0.45	-2.34e-03	0.82	1.95
49	68	1.05	-0.71	-2.17e-05	-0.24	0.0	1.27	0.24	-0.76	-4.03e-03	-0.71	1.00
		1.00	-1.01	-8.80e-05	0.0	40.0	1.27	-1.09e-03	-0.76	-4.03e-03	-1.01	1.05
49	69	1.94	1.02	2.56e-05	-0.24	0.0	1.43	0.13	0.41	3.98e-03	0.86	1.93
		1.93	0.86	9.73e-05	0.0	40.0	1.43	-0.12	0.41	3.98e-03	1.02	1.93

49	70	1.03	-0.48	1.81e-05	-0.24	0.0	1.27	0.18	-0.81	2.28e-03	-0.48	1.01
		1.01	-0.80	1.38e-04	0.0	40.0	1.27	-0.06	-0.81	2.28e-03	-0.80	1.03
49	72	1.05	-0.69	-1.98e-05	-0.24	0.0	1.27	0.24	-0.76	-3.50e-03	-0.69	1.00
		1.00	-0.99	-6.89e-05	0.0	40.0	1.27	-7.12e-03	-0.76	-3.50e-03	-0.99	1.05
49	99	1.91	0.74	-1.24e-05	-0.24	0.0	1.42	0.19	0.39	-2.07e-03	0.59	1.88
		1.88	0.59	-1.15e-04	0.0	40.0	1.42	-0.06	0.39	-2.07e-03	0.74	1.91
49	100	1.09	-0.63	-1.91e-05	-0.24	0.0	1.28	0.24	-0.71	-3.60e-03	-0.63	1.04
		1.04	-0.91	-7.75e-05	0.0	40.0	1.28	-7.13e-03	-0.71	-3.60e-03	-0.91	1.09
49	101	1.90	0.92	2.30e-05	-0.24	0.0	1.42	0.13	0.35	3.55e-03	0.79	1.89
		1.89	0.79	8.67e-05	0.0	40.0	1.42	-0.11	0.35	3.55e-03	0.92	1.89
49	102	1.08	-0.43	1.62e-05	-0.24	0.0	1.27	0.18	-0.75	2.02e-03	-0.43	1.05
		1.05	-0.73	1.24e-04	0.0	40.0	1.27	-0.06	-0.75	2.02e-03	-0.73	1.08
49	104	1.09	-0.61	-1.75e-05	-0.24	0.0	1.28	0.23	-0.71	-3.13e-03	-0.61	1.04
		1.04	-0.89	-6.05e-05	0.0	40.0	1.28	-0.01	-0.71	-3.13e-03	-0.89	1.09
49	131	2.07	0.98	-2.43e-05	-0.24	0.0	1.46	0.20	0.62	-3.78e-03	0.74	2.04
		2.04	0.74	-1.96e-04	0.0	40.0	1.46	-0.05	0.62	-3.78e-03	0.98	2.07
49	132	0.94	-0.93	-3.34e-05	-0.24	0.0	1.24	0.27	-0.90	-6.08e-03	-0.93	0.88
		0.88	-1.28	-1.45e-04	0.0	40.0	1.24	0.02	-0.90	-6.08e-03	-1.28	0.94
49	133	2.06	1.30	3.73e-05	-0.24	0.0	1.46	0.10	0.54	6.03e-03	1.09	2.05
		2.04	1.09	1.55e-04	0.0	40.0	1.46	-0.14	0.54	6.03e-03	1.30	2.04
49	134	0.92	-0.58	2.81e-05	-0.24	0.0	1.24	0.17	-0.97	3.72e-03	-0.58	0.90
		0.90	-0.96	2.06e-04	0.0	40.0	1.24	-0.07	-0.97	3.72e-03	-0.96	0.91
49	136	0.94	-0.90	-3.00e-05	-0.24	0.0	1.24	0.26	-0.90	-5.19e-03	-0.90	0.88
		0.88	-1.25	-1.13e-04	0.0	40.0	1.24	0.01	-0.90	-5.19e-03	-1.25	0.94
50	2	3.41	0.15	2.32e-04	-0.95	0.0	1.89	-2.08	0.12	-2.82e-05	4.88e-03	3.41
		0.34	4.88e-03	7.27e-05	0.0	120.0	1.89	-3.03	0.12	-2.82e-05	0.15	0.34
50	4	3.08	0.14	2.09e-04	-0.73	0.0	1.50	-1.95	0.12	-1.01e-05	6.81e-04	3.08
		0.30	6.81e-04	7.00e-05	0.0	120.0	1.50	-2.68	0.12	-1.01e-05	0.14	0.30
50	6	2.79	0.24	1.91e-04	-0.95	0.0	1.83	-1.61	0.18	-1.58e-04	0.03	2.79
		0.29	0.03	7.66e-05	0.0	120.0	1.83	-2.56	0.18	-1.58e-04	0.24	0.29
50	7	1.06	0.24	7.42e-05	-0.73	0.0	1.31	-0.41	0.16	-2.58e-04	0.04	1.06
		0.12	0.04	4.73e-05	0.0	120.0	1.31	-1.15	0.16	-2.58e-04	0.24	0.12
50	10	2.42	0.10	1.65e-04	-0.73	0.0	1.44	-1.44	0.08	-2.68e-05	5.12e-03	2.42
		0.24	5.12e-03	4.97e-05	0.0	120.0	1.44	-2.18	0.08	-2.68e-05	0.10	0.24
50	11	1.07	0.16	7.49e-05	-0.73	0.0	1.31	-0.42	0.10	-1.92e-04	0.03	1.07
		0.12	0.03	3.46e-05	0.0	120.0	1.31	-1.15	0.10	-1.92e-04	0.16	0.12
50	12	2.01	0.16	1.38e-04	-0.73	0.0	1.40	-1.13	0.12	-1.13e-04	0.02	2.01
		0.21	0.02	5.23e-05	0.0	120.0	1.40	-1.86	0.12	-1.13e-04	0.16	0.21
50	13	1.09	0.01	7.62e-05	-0.73	0.0	1.31	-0.44	-9.67e-03	-6.03e-05	0.01	1.09
		0.13	2.38e-03	9.18e-06	0.0	120.0	1.31	-1.17	-9.67e-03	-6.03e-05	2.38e-03	0.13
50	14	1.76	3.59e-03	1.21e-04	-0.73	0.0	1.37	-0.94	-6.23e-04	-4.09e-06	3.59e-03	1.76
		0.19	2.84e-03	2.18e-05	0.0	120.0	1.37	-1.68	-6.23e-04	-4.09e-06	2.84e-03	0.19
50	15	1.08	0.03	7.60e-05	-0.73	0.0	1.31	-0.43	0.01	-8.66e-05	0.02	1.08
		0.13	0.02	1.43e-05	0.0	120.0	1.31	-1.16	0.01	-8.66e-05	0.03	0.13
50	16	1.49	0.03	1.03e-04	-0.73	0.0	1.35	-0.74	0.02	-5.29e-05	0.01	1.49
		0.16	0.01	2.18e-05	0.0	120.0	1.35	-1.47	0.02	-5.29e-05	0.03	0.16
50	17	1.09	0.01	7.62e-05	-0.73	0.0	1.31	-0.44	-9.67e-03	-6.03e-05	0.01	1.09
		0.13	2.38e-03	9.18e-06	0.0	120.0	1.31	-1.17	-9.67e-03	-6.03e-05	2.38e-03	0.13
50	18	1.49	7.75e-03	1.03e-04	-0.73	0.0	1.35	-0.74	-4.24e-03	-2.66e-05	7.75e-03	1.49
		0.16	2.66e-03	1.68e-05	0.0	120.0	1.35	-1.47	-4.24e-03	-2.66e-05	2.66e-03	0.16
50	22	1.30	0.16	3.55e-04	-0.73	0.0	1.57	-0.67	-0.07	0.01	0.16	1.30
		0.06	0.08	1.57e-03	0.0	120.0	1.57	-1.40	-0.07	0.01	0.08	0.06
50	28	1.38	-5.62e-03	-1.36e-04	-0.73	0.0	0.99	-0.60	0.55	-0.01	-0.66	1.38
		0.21	-0.66	-1.31e-03	0.0	120.0	0.99	-1.33	0.55	-0.01	-5.62e-03	0.21
50	29	1.60	0.67	3.42e-04	-0.73	0.0	1.70	-0.88	-0.56	0.01	0.67	1.60
		0.11	0.01	1.34e-03	0.0	120.0	1.70	-1.61	-0.56	0.01	0.01	0.11
50	35	2.00	0.88	4.80e-05	-0.73	0.0	1.41	-1.09	-0.84	-3.21e-03	0.88	2.00
		0.25	-0.13	-3.69e-04	0.0	120.0	1.41	-1.83	-0.84	-3.21e-03	-0.13	0.25
50	36	1.00	0.10	-8.76e-06	-0.73	0.0	1.13	-0.36	1.03	-5.21e-03	-1.14	1.00
		0.13	-1.14	-5.45e-04	0.0	120.0	1.13	-1.09	1.03	-5.21e-03	0.10	0.13
50	37	1.98	1.15	2.03e-04	-0.73	0.0	1.57	-1.12	-1.04	5.16e-03	1.15	1.98
		0.20	-0.10	5.78e-04	0.0	120.0	1.57	-1.85	-1.04	5.16e-03	-0.10	0.20
50	54	1.32	0.08	2.93e-04	-0.73	0.0	1.52	-0.67	-8.90e-03	0.01	0.08	1.32
		0.08	0.07	1.18e-03	0.0	120.0	1.52	-1.40	-8.90e-03	0.01	0.07	0.08
50	60	1.38	8.15e-04	-8.08e-05	-0.73	0.0	1.06	-0.62	0.46	-9.04e-03	-0.54	1.38
		0.20	-0.54	-9.97e-04	0.0	120.0	1.06	-1.35	0.46	-9.04e-03	8.15e-04	0.20
50	61	1.60	0.56	2.87e-04	-0.73	0.0	1.64	-0.87	-0.46	8.98e-03	0.56	1.60
		0.13	4.50e-03	1.03e-03	0.0	120.0	1.64	-1.60	-0.46	8.98e-03	4.50e-03	0.13
50	67	1.95	0.82	6.56e-05	-0.73	0.0	1.41	-1.06	-0.77	-2.34e-03	0.82	1.95
		0.24	-0.11	-2.60e-04	0.0	120.0	1.41	-1.79	-0.77	-2.34e-03	-0.11	0.24
50	68	1.05	0.10	2.29e-05	-0.73	0.0	1.16	-0.40	0.92	-4.03e-03	-1.01	1.05
		0.12	-1.01	-4.22e-04	0.0	120.0	1.16	-1.13	0.92	-4.03e-03	0.10	0.12
50	69	1.93	1.02	1.83e-04	-0.73	0.0	1.54	-1.08	-0.93	3.98e-03	1.02	1.93
		0.20	-0.09	4.55e-04	0.0	120.0	1.54	-1.81	-0.93	3.98e-03	-0.09	0.20
50	86	1.34	0.07	2.72e-04	-0.73	0.0	1.50	-0.68	-4.72e-03	9.11e-03	0.07	1.34

		0.09	0.06	1.06e-03	0.0	120.0	1.50	-1.41	-4.72e-03	9.11e-03	0.06	0.09
50	92	1.39	1.37e-03	-6.06e-05	-0.73	0.0	1.09	-0.63	0.41	-8.04e-03	-0.49	1.39
		0.19	-0.49	-8.85e-04	0.0	120.0	1.09	-1.36	0.41	-8.04e-03	1.37e-03	0.19
50	93	1.59	0.50	2.67e-04	-0.73	0.0	1.61	-0.85	-0.42	7.99e-03	0.50	1.59
		0.13	3.94e-03	9.18e-04	0.0	120.0	1.61	-1.58	-0.42	7.99e-03	3.94e-03	0.13
50	99	1.90	0.74	7.01e-05	-0.73	0.0	1.41	-1.03	-0.70	-2.07e-03	0.74	1.90
		0.23	-0.10	-2.28e-04	0.0	120.0	1.41	-1.76	-0.70	-2.07e-03	-0.10	0.23
50	100	1.09	0.09	3.14e-05	-0.73	0.0	1.18	-0.43	0.83	-3.60e-03	-0.91	1.09
		0.13	-0.91	-3.75e-04	0.0	120.0	1.18	-1.17	0.83	-3.60e-03	0.09	0.13
50	101	1.89	0.92	1.75e-04	-0.73	0.0	1.52	-1.05	-0.84	3.55e-03	0.92	1.89
		0.20	-0.08	4.08e-04	0.0	120.0	1.52	-1.78	-0.84	3.55e-03	-0.08	0.20
50	118	1.27	0.20	3.99e-04	-0.73	0.0	1.60	-0.66	-0.09	0.02	0.20	1.27
		0.04	0.10	1.84e-03	0.0	120.0	1.60	-1.40	-0.09	0.02	0.10	0.04
50	124	1.36	-8.25e-03	-1.74e-04	-0.73	0.0	0.94	-0.58	0.63	-0.01	-0.75	1.36
		0.22	-0.75	-1.52e-03	0.0	120.0	0.94	-1.31	0.63	-0.01	-8.25e-03	0.22
50	125	1.62	0.77	3.80e-04	-0.73	0.0	1.76	-0.90	-0.63	0.01	0.77	1.62
		0.10	0.01	1.56e-03	0.0	120.0	1.76	-1.63	-0.63	0.01	0.01	0.10
50	131	2.07	0.98	3.72e-05	-0.73	0.0	1.42	-1.14	-0.93	-3.78e-03	0.98	2.07
		0.26	-0.14	-4.40e-04	0.0	120.0	1.42	-1.87	-0.93	-3.78e-03	-0.14	0.26
50	132	0.94	0.12	-1.65e-05	-0.73	0.0	1.09	-0.31	1.16	-6.08e-03	-1.28	0.94
		0.12	-1.28	-6.37e-04	0.0	120.0	1.09	-1.05	1.16	-6.08e-03	0.12	0.12
50	133	2.04	1.30	2.19e-04	-0.73	0.0	1.60	-1.17	-1.17	6.03e-03	1.30	2.04
		0.20	-0.11	6.70e-04	0.0	120.0	1.60	-1.90	-1.17	6.03e-03	-0.11	0.20
51	2	0.32	0.15	2.68e-05	-0.08	0.0	1.89	-3.19	-1.45	-2.82e-05	0.15	0.32
		0.0	0.0	7.58e-06	0.0	10.0	1.89	-3.27	-1.45	-2.82e-05	0.0	0.0
51	4	0.29	0.14	2.41e-05	-0.06	0.0	1.50	-2.83	-1.45	-1.01e-05	0.14	0.29
		0.0	0.0	7.32e-06	0.0	10.0	1.50	-2.89	-1.45	-1.01e-05	0.0	0.0
51	5	0.15	0.24	1.15e-05	-0.08	0.0	1.70	-1.51	-2.38	-2.76e-04	0.24	0.15
		0.0	0.0	6.85e-06	0.0	10.0	1.70	-1.59	-2.38	-2.76e-04	0.0	0.0
51	6	0.27	0.24	2.21e-05	-0.08	0.0	1.83	-2.67	-2.39	-1.58e-04	0.24	0.27
		0.0	0.0	8.97e-06	0.0	10.0	1.83	-2.75	-2.39	-1.58e-04	0.0	0.0
51	7	0.12	0.24	8.76e-06	-0.06	0.0	1.31	-1.15	-2.37	-2.58e-04	0.24	0.12
		0.0	0.0	6.59e-06	0.0	10.0	1.31	-1.21	-2.37	-2.58e-04	0.0	0.0
51	10	0.23	0.10	1.90e-05	-0.06	0.0	1.44	-2.28	-0.97	-2.68e-05	0.10	0.23
		0.0	0.0	5.17e-06	0.0	10.0	1.44	-2.35	-0.97	-2.68e-05	0.0	0.0
51	11	0.12	0.16	8.84e-06	-0.06	0.0	1.31	-1.16	-1.59	-1.92e-04	0.16	0.12
		0.0	0.0	4.68e-06	0.0	10.0	1.31	-1.22	-1.59	-1.92e-04	0.0	0.0
51	12	0.20	0.16	1.59e-05	-0.06	0.0	1.40	-1.94	-1.60	-1.13e-04	0.16	0.20
		0.0	0.0	6.09e-06	0.0	10.0	1.40	-2.00	-1.60	-1.13e-04	0.0	0.0
51	14	0.18	2.84e-03	1.41e-05	-0.06	0.0	1.37	-1.75	-0.03	-4.09e-06	2.84e-03	0.18
		0.0	0.0	1.86e-06	0.0	10.0	1.37	-1.81	-0.03	-4.09e-06	0.0	0.0
51	15	0.12	0.03	8.96e-06	-0.06	0.0	1.31	-1.19	-0.34	-8.66e-05	0.03	0.12
		0.0	0.0	1.62e-06	0.0	10.0	1.31	-1.25	-0.34	-8.66e-05	0.0	0.0
51	16	0.15	0.03	1.20e-05	-0.06	0.0	1.35	-1.52	-0.34	-5.29e-05	0.03	0.15
		0.0	0.0	2.23e-06	0.0	10.0	1.35	-1.58	-0.34	-5.29e-05	0.0	0.0
51	17	0.12	2.38e-03	8.99e-06	-0.06	0.0	1.31	-1.19	-0.02	-6.03e-05	2.38e-03	0.12
		0.0	0.0	0.0	0.0	10.0	1.31	-1.25	-0.02	-6.03e-05	0.0	0.0
51	18	0.16	2.66e-03	1.20e-05	-0.06	0.0	1.35	-1.52	-0.03	-2.66e-05	2.66e-03	0.16
		0.0	0.0	1.46e-06	0.0	10.0	1.35	-1.59	-0.03	-2.66e-05	0.0	0.0
51	19	0.26	0.0	-1.03e-05	-0.06	0.0	0.93	-2.58	0.79	-0.01	-0.08	0.26
		0.0	-0.08	-1.30e-04	0.0	10.0	0.93	-2.64	0.79	-0.01	0.0	0.0
51	28	0.21	0.0	-5.95e-06	-0.06	0.0	0.73	-2.03	0.06	-0.01	-5.62e-03	0.21
		0.0	-5.62e-03	-1.12e-04	0.0	10.0	0.73	-2.09	0.06	-0.01	0.0	0.0
51	29	0.10	0.01	3.00e-05	-0.06	0.0	1.97	-1.02	-0.11	0.01	0.01	0.10
		0.0	0.0	1.15e-04	0.0	10.0	1.97	-1.08	-0.11	0.01	0.0	0.0
51	35	0.24	0.0	2.05e-06	-0.06	0.0	1.39	-2.41	1.28	-3.21e-03	-0.13	0.24
		0.0	-0.13	-2.82e-05	0.0	10.0	1.39	-2.47	1.28	-3.21e-03	0.0	0.0
51	38	0.07	0.13	2.20e-05	-0.06	0.0	1.31	-0.64	-1.33	3.15e-03	0.13	0.07
		0.0	0.0	3.12e-05	0.0	10.0	1.31	-0.70	-1.33	3.15e-03	0.0	0.0
51	44	0.12	0.06	3.23e-06	-0.06	0.0	1.15	-1.20	-0.64	-5.33e-03	0.06	0.12
		0.0	0.0	-5.28e-05	0.0	10.0	1.15	-1.26	-0.64	-5.33e-03	0.0	0.0
51	51	0.24	0.0	-5.06e-06	-0.06	0.0	1.02	-2.35	0.65	-0.01	-0.06	0.24
		0.0	-0.06	-9.70e-05	0.0	10.0	1.02	-2.41	0.65	-0.01	0.0	0.0
51	60	0.19	8.15e-04	-1.51e-06	-0.06	0.0	0.84	-1.88	-8.15e-03	-9.04e-03	8.15e-04	0.19
		0.0	0.0	-8.55e-05	0.0	10.0	0.84	-1.94	-8.15e-03	-9.04e-03	0.0	0.0
51	61	0.12	4.50e-03	2.56e-05	-0.06	0.0	1.86	-1.16	-0.04	8.98e-03	4.50e-03	0.12
		0.0	0.0	8.85e-05	0.0	10.0	1.86	-1.23	-0.04	8.98e-03	0.0	0.0
51	67	0.23	0.0	3.80e-06	-0.06	0.0	1.40	-2.28	1.13	-2.34e-03	-0.11	0.23
		0.0	-0.11	-1.92e-05	0.0	10.0	1.40	-2.34	1.13	-2.34e-03	0.0	0.0
51	70	0.08	0.12	2.03e-05	-0.06	0.0	1.30	-0.77	-1.19	2.28e-03	0.12	0.08
		0.0	0.0	2.21e-05	0.0	10.0	1.30	-0.83	-1.19	2.28e-03	0.0	0.0
51	76	0.12	0.06	4.92e-06	-0.06	0.0	1.19	-1.20	-0.59	-4.19e-03	0.06	0.12
		0.0	0.0	-4.17e-05	0.0	10.0	1.19	-1.26	-0.59	-4.19e-03	0.0	0.0
51	83	0.23	0.0	-3.19e-06	-0.06	0.0	1.05	-2.26	0.58	-9.16e-03	-0.06	0.23
		0.0	-0.06	-8.60e-05	0.0	10.0	1.05	-2.32	0.58	-9.16e-03	0.0	0.0

51	92	0.19	1.37e-03	0.0	-0.06	0.0	0.89	-1.84	-0.01	-8.04e-03	1.37e-03	0.19
		0.0	0.0	-7.59e-05	0.0	10.0	0.89	-1.90	-0.01	-8.04e-03	0.0	0.0
51	93	0.12	3.94e-03	2.41e-05	-0.06	0.0	1.81	-1.21	-0.04	7.99e-03	3.94e-03	0.12
		0.0	0.0	7.89e-05	0.0	10.0	1.81	-1.27	-0.04	7.99e-03	0.0	0.0
51	99	0.22	0.0	4.65e-06	-0.06	0.0	1.39	-2.21	1.02	-2.07e-03	-0.10	0.22
		0.0	-0.10	-1.68e-05	0.0	10.0	1.39	-2.27	1.02	-2.07e-03	0.0	0.0
51	102	0.09	0.11	1.94e-05	-0.06	0.0	1.31	-0.84	-1.07	2.02e-03	0.11	0.09
		0.0	0.0	1.97e-05	0.0	10.0	1.31	-0.90	-1.07	2.02e-03	0.0	0.0
51	108	0.13	0.05	5.66e-06	-0.06	0.0	1.21	-1.22	-0.54	-3.74e-03	0.05	0.13
		0.0	0.0	-3.71e-05	0.0	10.0	1.21	-1.28	-0.54	-3.74e-03	0.0	0.0
51	115	0.28	0.0	-1.40e-05	-0.06	0.0	0.86	-2.75	0.91	-0.02	-0.09	0.28
		0.0	-0.09	-1.52e-04	0.0	10.0	0.86	-2.81	0.91	-0.02	0.0	0.0
51	124	0.22	0.0	-8.90e-06	-0.06	0.0	0.63	-2.12	0.08	-0.01	-8.25e-03	0.22
		0.0	-8.25e-03	-1.30e-04	0.0	10.0	0.63	-2.18	0.08	-0.01	0.0	0.0
51	125	0.10	0.01	3.30e-05	-0.06	0.0	2.07	-0.93	-0.14	0.01	0.01	0.10
		0.0	0.0	1.33e-04	0.0	10.0	2.07	-0.99	-0.14	0.01	0.0	0.0
51	131	0.26	0.0	0.0	-0.06	0.0	1.39	-2.53	1.44	-3.78e-03	-0.14	0.26
		0.0	-0.14	-3.39e-05	0.0	10.0	1.39	-2.59	1.44	-3.78e-03	0.0	0.0
51	134	0.06	0.15	2.35e-05	-0.06	0.0	1.31	-0.52	-1.50	3.72e-03	0.15	0.06
		0.0	0.0	3.69e-05	0.0	10.0	1.31	-0.58	-1.50	3.72e-03	0.0	0.0
51	140	0.12	0.07	1.86e-06	-0.06	0.0	1.12	-1.18	-0.71	-6.19e-03	0.07	0.12
		0.0	0.0	-6.14e-05	0.0	10.0	1.12	-1.24	-0.71	-6.19e-03	0.0	0.0
52	2	3.00	0.0	-1.51e-04	-0.08	0.0	0.01	30.04	-1.76	0.26	0.0	0.0
		0.0	-0.18	1.41e-06	0.0	10.0	0.01	29.96	-1.76	0.26	-0.18	3.00
52	3	0.58	0.0	-3.11e-05	-0.06	0.0	2.18e-03	5.80	-0.73	0.04	0.0	0.0
		0.0	-0.07	0.0	0.0	10.0	2.18e-03	5.74	-0.73	0.04	-0.07	0.58
52	6	2.29	0.0	-1.18e-04	-0.08	0.0	8.13e-03	22.96	-1.63	0.20	0.0	0.0
		0.0	-0.16	1.05e-06	0.0	10.0	8.13e-03	22.88	-1.63	0.20	-0.16	2.29
52	7	0.54	0.0	-3.10e-05	-0.06	0.0	2.10e-03	5.41	-0.86	0.04	0.0	0.0
		0.0	-0.09	0.0	0.0	10.0	2.10e-03	5.35	-0.86	0.04	-0.09	0.54
52	9	0.60	0.0	-3.12e-05	-0.06	0.0	2.22e-03	5.99	-0.66	0.04	0.0	0.0
		0.0	-0.07	0.0	0.0	10.0	2.22e-03	5.93	-0.66	0.04	-0.07	0.60
52	10	2.08	0.0	-1.05e-04	-0.06	0.0	7.30e-03	20.88	-1.24	0.18	0.0	0.0
		0.0	-0.12	0.0	0.0	10.0	7.30e-03	20.82	-1.24	0.18	-0.12	2.08
52	11	0.57	0.0	-3.11e-05	-0.06	0.0	2.17e-03	5.73	-0.75	0.04	0.0	0.0
		0.0	-0.07	0.0	0.0	10.0	2.17e-03	5.67	-0.75	0.04	-0.07	0.57
52	12	1.61	0.0	-8.25e-05	-0.06	0.0	5.72e-03	16.15	-1.16	0.14	0.0	0.0
		0.0	-0.12	0.0	0.0	10.0	5.72e-03	16.09	-1.16	0.14	-0.12	1.61
52	13	0.63	0.0	-3.13e-05	-0.06	0.0	2.30e-03	6.38	-0.53	0.05	0.0	0.0
		0.0	-0.05	0.0	0.0	10.0	2.30e-03	6.32	-0.53	0.05	-0.05	0.63
52	14	1.38	0.0	-6.81e-05	-0.06	0.0	4.84e-03	13.82	-0.82	0.12	0.0	0.0
		0.0	-0.08	0.0	0.0	10.0	4.84e-03	13.76	-0.82	0.12	-0.08	1.38
52	15	0.62	0.0	-3.13e-05	-0.06	0.0	2.28e-03	6.25	-0.57	0.05	0.0	0.0
		0.0	-0.06	0.0	0.0	10.0	2.28e-03	6.19	-0.57	0.05	-0.06	0.62
52	16	1.07	0.0	-5.33e-05	-0.06	0.0	3.80e-03	10.71	-0.75	0.09	0.0	0.0
		0.0	-0.07	0.0	0.0	10.0	3.80e-03	10.65	-0.75	0.09	-0.07	1.07
52	17	0.63	0.0	-3.13e-05	-0.06	0.0	2.30e-03	6.38	-0.53	0.05	0.0	0.0
		0.0	-0.05	0.0	0.0	10.0	2.30e-03	6.32	-0.53	0.05	-0.05	0.63
52	18	1.08	0.0	-5.34e-05	-0.06	0.0	3.83e-03	10.84	-0.70	0.09	0.0	0.0
		0.0	-0.07	0.0	0.0	10.0	3.83e-03	10.78	-0.70	0.09	-0.07	1.08
52	19	1.05	0.20	-8.53e-05	-0.06	0.0	3.67	10.54	2.00	-0.04	0.0	0.0
		0.0	0.0	-1.23e-04	0.0	10.0	3.67	10.48	2.00	-0.04	0.20	1.05
52	22	1.11	0.0	-2.14e-05	-0.06	0.0	-3.66	11.14	-3.40	0.22	0.0	0.0
		0.0	-0.34	1.24e-04	0.0	10.0	-3.66	11.08	-3.40	0.22	-0.34	1.11
52	25	1.23	0.0	-2.50e-05	-0.06	0.0	-3.61	12.37	-3.31	0.24	0.0	0.0
		0.0	-0.33	1.14e-04	0.0	10.0	-3.61	12.31	-3.31	0.24	-0.33	1.23
52	45	1.33	0.0	-5.01e-05	-0.06	0.0	-1.03	13.30	-1.36	0.17	0.0	0.0
		0.0	-0.14	2.01e-05	0.0	10.0	-1.03	13.24	-1.36	0.17	-0.14	1.33
52	51	1.07	0.13	-7.78e-05	-0.06	0.0	2.97	10.70	1.34	-8.82e-03	0.0	0.0
		0.0	0.0	-9.41e-05	0.0	10.0	2.97	10.64	1.34	-8.82e-03	0.13	1.07
52	54	1.10	0.0	-2.90e-05	-0.06	0.0	-2.96	10.99	-2.75	0.18	0.0	0.0
		0.0	-0.27	9.45e-05	0.0	10.0	-2.96	10.93	-2.75	0.18	-0.27	1.10
52	57	1.21	0.0	-3.22e-05	-0.06	0.0	-2.92	12.10	-2.67	0.21	0.0	0.0
		0.0	-0.27	8.52e-05	0.0	10.0	-2.92	12.04	-2.67	0.21	-0.27	1.21
52	77	1.30	0.0	-5.17e-05	-0.06	0.0	-0.83	13.02	-1.19	0.16	0.0	0.0
		0.0	-0.12	1.29e-05	0.0	10.0	-0.83	12.96	-1.19	0.16	-0.12	1.30
52	83	1.07	0.11	-7.51e-05	-0.06	0.0	2.67	10.72	1.12	2.02e-03	0.0	0.0
		0.0	0.0	-8.37e-05	0.0	10.0	2.67	10.66	1.12	2.02e-03	0.11	1.07
52	86	1.09	0.0	-3.16e-05	-0.06	0.0	-2.66	10.97	-2.52	0.17	0.0	0.0
		0.0	-0.25	8.42e-05	0.0	10.0	-2.66	10.90	-2.52	0.17	-0.25	1.09
52	89	1.19	0.0	-3.45e-05	-0.06	0.0	-2.62	11.97	-2.45	0.19	0.0	0.0
		0.0	-0.24	7.57e-05	0.0	10.0	-2.62	11.91	-2.45	0.19	-0.24	1.19
52	109	1.28	0.0	-5.20e-05	-0.06	0.0	-0.74	12.81	-1.13	0.15	0.0	0.0
		0.0	-0.11	1.12e-05	0.0	10.0	-0.74	12.75	-1.13	0.15	-0.11	1.28
52	115	1.04	0.25	-9.07e-05	-0.06	0.0	4.24	10.47	2.46	-0.07	0.0	0.0

		0.0	0.0	-1.44e-04	0.0	10.0	4.24	10.41	2.46	-0.07	0.25	1.04
52	118	1.12	0.0	-1.60e-05	-0.06	0.0	-4.23	11.22	-3.87	0.24	0.0	0.0
		0.0	-0.39	1.45e-04	0.0	10.0	-4.23	11.16	-3.87	0.24	-0.39	1.12
52	121	1.26	0.0	-2.00e-05	-0.06	0.0	-4.17	12.60	-3.76	0.27	0.0	0.0
		0.0	-0.38	1.33e-04	0.0	10.0	-4.17	12.54	-3.76	0.27	-0.38	1.26
52	141	1.36	0.0	-4.92e-05	-0.06	0.0	-1.18	13.62	-1.48	0.19	0.0	0.0
		0.0	-0.15	2.44e-05	0.0	10.0	-1.18	13.56	-1.48	0.19	-0.15	1.36
53	2	20.41	0.38	-1.26e-03	-0.95	0.0	1.11e-03	15.01	0.45	0.03	-0.16	2.98
		2.98	-0.16	1.83e-05	0.0	120.0	1.11e-03	14.06	0.45	0.03	0.38	20.41
53	7	4.15	0.19	-2.61e-04	-0.73	0.0	-1.49e-04	3.38	0.22	5.25e-03	-0.08	0.53
		0.53	-0.08	-1.60e-06	0.0	120.0	-1.49e-04	2.65	0.22	5.25e-03	0.19	4.15
53	10	14.17	0.26	-8.77e-04	-0.73	0.0	7.84e-04	10.45	0.31	0.02	-0.11	2.07
		2.07	-0.11	1.19e-05	0.0	120.0	7.84e-04	9.72	0.31	0.02	0.26	14.17
53	11	4.16	0.15	-2.61e-04	-0.73	0.0	1.67e-05	3.36	0.19	5.23e-03	-0.07	0.57
		0.57	-0.07	-1.83e-06	0.0	120.0	1.67e-05	2.63	0.19	5.23e-03	0.15	4.16
53	14	9.17	0.15	-5.69e-04	-0.73	0.0	6.66e-04	6.87	0.19	0.01	-0.08	1.37
		1.37	-0.08	4.00e-06	0.0	120.0	6.66e-04	6.13	0.19	0.01	0.15	9.17
53	15	4.16	0.09	-2.61e-04	-0.73	0.0	2.82e-04	3.32	0.12	5.21e-03	-0.05	0.62
		0.62	-0.05	-2.42e-06	0.0	120.0	2.82e-04	2.59	0.12	5.21e-03	0.09	4.16
53	17	4.17	0.08	-2.60e-04	-0.73	0.0	3.48e-04	3.31	0.11	5.21e-03	-0.05	0.63
		0.63	-0.05	-2.66e-06	0.0	120.0	3.48e-04	2.58	0.11	5.21e-03	0.08	4.17
53	18	7.17	0.12	-4.45e-04	-0.73	0.0	5.39e-04	5.44	0.16	9.54e-03	-0.07	1.07
		1.07	-0.07	1.46e-06	0.0	120.0	5.39e-04	4.71	0.16	9.54e-03	0.12	7.17
53	20	7.07	0.28	-7.92e-04	-0.73	0.0	1.92	5.49	-0.84	7.11e-03	0.28	0.92
		0.92	-0.73	-1.35e-03	0.0	120.0	1.92	4.76	-0.84	7.11e-03	-0.73	7.07
53	21	7.26	0.97	-1.29e-04	-0.73	0.0	-1.92	5.40	1.15	0.01	-0.41	1.23
		1.23	-0.41	1.36e-03	0.0	120.0	-1.92	4.67	1.15	0.01	0.97	7.26
53	35	8.17	0.62	-6.05e-04	-0.73	0.0	0.51	6.16	0.50	8.51e-03	0.01	1.23
		1.23	0.01	-6.16e-04	0.0	120.0	0.51	5.43	0.50	8.51e-03	0.62	8.17
53	36	6.28	0.06	-5.03e-04	-0.73	0.0	0.63	4.87	-0.68	9.06e-03	0.06	0.85
		0.85	-0.76	-2.28e-04	0.0	120.0	0.63	4.14	-0.68	9.06e-03	-0.76	6.28
53	37	8.06	1.00	-3.88e-04	-0.73	0.0	-0.62	6.02	0.99	0.01	-0.19	1.29
		1.29	-0.19	2.31e-04	0.0	120.0	-0.62	5.29	0.99	0.01	1.00	8.06
53	44	6.36	0.06	-5.07e-04	-0.73	0.0	0.60	4.96	-0.67	9.34e-03	0.06	0.82
		0.82	-0.75	-2.70e-04	0.0	120.0	0.60	4.23	-0.67	9.34e-03	-0.75	6.36
53	52	7.06	0.20	-7.05e-04	-0.73	0.0	1.55	5.46	-0.62	7.70e-03	0.20	0.95
		0.95	-0.55	-1.01e-03	0.0	120.0	1.55	4.72	-0.62	7.70e-03	-0.55	7.06
53	53	7.28	0.79	-1.96e-04	-0.73	0.0	-1.55	5.43	0.93	0.01	-0.33	1.20
		1.20	-0.33	1.02e-03	0.0	120.0	-1.55	4.70	0.93	0.01	0.79	7.28
53	67	8.05	0.60	-5.74e-04	-0.73	0.0	0.42	6.06	0.50	8.74e-03	-0.01	1.22
		1.22	-0.01	-4.96e-04	0.0	120.0	0.42	5.33	0.50	8.74e-03	0.60	8.05
53	68	6.37	0.03	-4.81e-04	-0.73	0.0	0.51	4.93	-0.56	9.20e-03	0.03	0.88
		0.88	-0.64	-1.42e-04	0.0	120.0	0.51	4.20	-0.56	9.20e-03	-0.64	6.37
53	69	7.96	0.89	-4.09e-04	-0.73	0.0	-0.51	5.96	0.87	9.88e-03	-0.17	1.27
		1.27	-0.17	1.45e-04	0.0	120.0	-0.51	5.22	0.87	9.88e-03	0.89	7.96
53	76	6.45	0.03	-4.86e-04	-0.73	0.0	0.49	5.02	-0.55	9.46e-03	0.03	0.85
		0.85	-0.64	-1.81e-04	0.0	120.0	0.49	4.28	-0.55	9.46e-03	-0.64	6.45
53	84	7.07	0.17	-6.76e-04	-0.73	0.0	1.39	5.45	-0.54	7.90e-03	0.17	0.96
		0.96	-0.48	-8.99e-04	0.0	120.0	1.39	4.72	-0.54	7.90e-03	-0.48	7.07
53	85	7.27	0.72	-2.21e-04	-0.73	0.0	-1.39	5.44	0.85	0.01	-0.30	1.19
		1.19	-0.30	9.02e-04	0.0	120.0	-1.39	4.71	0.85	0.01	0.72	7.27
53	99	7.96	0.55	-5.60e-04	-0.73	0.0	0.37	6.00	0.47	8.82e-03	-0.02	1.21
		1.21	-0.02	-4.43e-04	0.0	120.0	0.37	5.27	0.47	8.82e-03	0.55	7.96
53	100	6.45	0.02	-4.77e-04	-0.73	0.0	0.45	4.98	-0.49	9.24e-03	0.02	0.90
		0.90	-0.57	-1.23e-04	0.0	120.0	0.45	4.25	-0.49	9.24e-03	-0.57	6.45
53	101	7.89	0.81	-4.14e-04	-0.73	0.0	-0.45	5.91	0.80	9.84e-03	-0.15	1.25
		1.25	-0.15	1.26e-04	0.0	120.0	-0.45	5.18	0.80	9.84e-03	0.81	7.89
53	108	6.52	0.02	-4.80e-04	-0.73	0.0	0.44	5.06	-0.48	9.48e-03	0.02	0.87
		0.87	-0.56	-1.58e-04	0.0	120.0	0.44	4.33	-0.48	9.48e-03	-0.56	6.52
53	116	7.07	0.34	-8.52e-04	-0.73	0.0	2.21	5.50	-1.00	6.69e-03	0.34	0.89
		0.89	-0.86	-1.59e-03	0.0	120.0	2.21	4.77	-1.00	6.69e-03	-0.86	7.07
53	117	7.27	1.11	-8.90e-05	-0.73	0.0	-2.21	5.39	1.31	0.01	-0.47	1.25
		1.25	-0.47	1.59e-03	0.0	120.0	-2.21	4.65	1.31	0.01	1.11	7.27
53	131	8.31	0.67	-6.30e-04	-0.73	0.0	0.59	6.26	0.53	8.33e-03	0.02	1.25
		1.25	0.02	-7.13e-04	0.0	120.0	0.59	5.53	0.53	8.33e-03	0.67	8.31
53	132	6.16	0.08	-5.15e-04	-0.73	0.0	0.72	4.79	-0.79	8.98e-03	0.08	0.82
		0.82	-0.88	-2.77e-04	0.0	120.0	0.72	4.06	-0.79	8.98e-03	-0.88	6.16
53	133	8.18	1.12	-3.76e-04	-0.73	0.0	-0.72	6.09	1.11	0.01	-0.21	1.32
		1.32	-0.21	2.80e-04	0.0	120.0	-0.72	5.36	1.11	0.01	1.12	8.18
53	140	6.25	0.08	-5.20e-04	-0.73	0.0	0.70	4.90	-0.78	9.28e-03	0.08	0.79
		0.79	-0.87	-3.25e-04	0.0	120.0	0.70	4.17	-0.78	9.28e-03	-0.87	6.25
54	2	20.41	0.38	-2.92e-05	-0.32	0.0	-1.59e-03	-0.15	-0.95	-0.01	0.38	20.41
		20.29	3.55e-03	2.23e-05	0.0	40.0	-1.59e-03	-0.46	-0.95	-0.01	3.55e-03	20.29
54	3	4.17	0.14	-6.06e-06	-0.24	0.0	-6.32e-04	0.11	-0.19	-2.13e-03	0.14	4.16
		4.15	0.07	6.38e-06	0.0	40.0	-6.32e-04	-0.14	-0.19	-2.13e-03	0.07	4.15

54	4	19.16	0.36	-2.75e-05	-0.24	0.0	-1.49e-03	-0.17	-0.90	-0.01	0.36	19.16
		19.04	-7.52e-05	2.16e-05	0.0	40.0	-1.49e-03	-0.41	-0.90	-0.01	-7.52e-05	19.04
54	9	4.17	0.12	-5.96e-06	-0.24	0.0	-5.30e-04	0.10	-0.19	-2.10e-03	0.12	4.16
		4.15	0.05	5.05e-06	0.0	40.0	-5.30e-04	-0.15	-0.19	-2.10e-03	0.05	4.15
54	10	14.16	0.27	-2.02e-05	-0.24	0.0	-1.10e-03	-0.09	-0.65	-8.39e-03	0.27	14.16
		14.08	3.98e-03	1.52e-05	0.0	40.0	-1.10e-03	-0.33	-0.65	-8.39e-03	3.98e-03	14.08
54	13	4.17	0.08	-5.78e-06	-0.24	0.0	-3.26e-04	0.08	-0.17	-2.05e-03	0.08	4.17
		4.15	0.01	2.41e-06	0.0	40.0	-3.26e-04	-0.16	-0.17	-2.05e-03	0.01	4.15
54	14	9.17	0.15	-1.29e-05	-0.24	0.0	-6.12e-04	-0.01	-0.41	-5.19e-03	0.15	9.17
		9.11	-0.01	7.47e-06	0.0	40.0	-6.12e-04	-0.25	-0.41	-5.19e-03	-0.01	9.11
54	17	4.17	0.08	-5.78e-06	-0.24	0.0	-3.26e-04	0.08	-0.17	-2.05e-03	0.08	4.17
		4.15	0.01	2.41e-06	0.0	40.0	-3.26e-04	-0.16	-0.17	-2.05e-03	0.01	4.15
54	18	7.17	0.12	-1.01e-05	-0.24	0.0	-4.97e-04	0.03	-0.31	-3.93e-03	0.12	7.17
		7.13	-1.33e-03	5.44e-06	0.0	40.0	-4.97e-04	-0.22	-0.31	-3.93e-03	-1.33e-03	7.13
54	20	7.06	-0.65	-1.15e-04	-0.24	0.0	0.01	-0.50	-0.69	-6.09e-03	-0.65	7.06
		6.79	-0.89	-4.87e-04	0.0	40.0	0.01	-0.74	-0.69	-6.09e-03	-0.89	6.79
54	21	7.46	0.90	1.23e-04	-0.24	0.0	-0.01	0.55	0.07	-1.78e-03	0.90	7.27
		7.27	0.89	4.98e-04	0.0	40.0	-0.01	0.31	0.07	-1.78e-03	0.89	7.46
54	35	8.17	0.87	-3.27e-05	-0.24	0.0	-2.21e-04	-0.43	0.57	-2.50e-03	0.63	8.17
		7.96	0.63	-1.70e-04	0.0	40.0	-2.21e-04	-0.67	0.57	-2.50e-03	0.87	7.96
54	36	6.28	-0.73	-3.35e-05	-0.24	0.0	6.11e-03	0.12	-1.26	-6.32e-03	-0.73	6.27
		6.25	-1.21	-1.19e-04	0.0	40.0	6.11e-03	-0.13	-1.26	-6.32e-03	-1.21	6.25
54	37	8.06	1.21	4.09e-05	-0.24	0.0	-7.11e-03	-0.06	0.64	-1.55e-03	0.98	8.06
		8.00	0.98	1.30e-04	0.0	40.0	-7.11e-03	-0.31	0.64	-1.55e-03	1.21	8.00
54	38	6.30	-0.39	3.80e-05	-0.24	0.0	-7.74e-04	0.48	-1.20	-5.37e-03	-0.39	6.16
		6.16	-0.87	1.81e-04	0.0	40.0	-7.74e-04	0.24	-1.20	-5.37e-03	-0.87	6.30
54	52	7.05	-0.49	-8.59e-05	-0.24	0.0	9.04e-03	-0.36	-0.65	-5.67e-03	-0.49	7.05
		6.84	-0.72	-3.65e-04	0.0	40.0	9.04e-03	-0.60	-0.65	-5.67e-03	-0.72	6.84
54	53	7.42	0.74	9.38e-05	-0.24	0.0	-0.01	0.41	0.03	-2.20e-03	0.74	7.28
		7.28	0.72	3.76e-04	0.0	40.0	-0.01	0.17	0.03	-2.20e-03	0.72	7.42
54	67	8.05	0.81	-2.62e-05	-0.24	0.0	-7.51e-04	-0.36	0.49	-2.58e-03	0.61	8.05
		7.86	0.61	-1.31e-04	0.0	40.0	-7.51e-04	-0.60	0.49	-2.58e-03	0.81	7.86
54	68	6.38	-0.62	-2.62e-05	-0.24	0.0	4.97e-03	0.14	-1.17	-6.02e-03	-0.62	6.37
		6.36	-1.07	-8.47e-05	0.0	40.0	4.97e-03	-0.11	-1.17	-6.02e-03	-1.07	6.36
54	69	7.96	1.07	3.21e-05	-0.24	0.0	-5.96e-03	-0.08	0.54	-1.85e-03	0.87	7.96
		7.90	0.87	9.55e-05	0.0	40.0	-5.96e-03	-0.33	0.54	-1.85e-03	1.07	7.90
54	70	6.40	-0.36	2.94e-05	-0.24	0.0	-2.44e-04	0.41	-1.11	-5.29e-03	-0.36	6.29
		6.29	-0.81	1.42e-04	0.0	40.0	-2.44e-04	0.17	-1.11	-5.29e-03	-0.81	6.40
54	84	7.06	-0.43	-7.59e-05	-0.24	0.0	8.00e-03	-0.32	-0.62	-5.49e-03	-0.43	7.06
		6.87	-0.64	-3.24e-04	0.0	40.0	8.00e-03	-0.56	-0.62	-5.49e-03	-0.64	6.87
54	85	7.39	0.68	8.38e-05	-0.24	0.0	-8.99e-03	0.37	-6.65e-03	-2.38e-03	0.68	7.27
		7.27	0.64	3.35e-04	0.0	40.0	-8.99e-03	0.12	-6.65e-03	-2.38e-03	0.64	7.39
54	99	7.96	0.73	-2.42e-05	-0.24	0.0	-7.63e-04	-0.32	0.41	-2.71e-03	0.57	7.96
		7.79	0.57	-1.16e-04	0.0	40.0	-7.63e-04	-0.56	0.41	-2.71e-03	0.73	7.79
54	100	6.45	-0.55	-2.39e-05	-0.24	0.0	4.40e-03	0.13	-1.09	-5.81e-03	-0.55	6.44
		6.43	-0.97	-7.44e-05	0.0	40.0	4.40e-03	-0.12	-1.09	-5.81e-03	-0.97	6.43
54	101	7.89	0.97	2.90e-05	-0.24	0.0	-5.40e-03	-0.07	0.46	-2.06e-03	0.80	7.89
		7.82	0.80	8.52e-05	0.0	40.0	-5.40e-03	-0.32	0.46	-2.06e-03	0.97	7.82
54	102	6.47	-0.32	2.66e-05	-0.24	0.0	-2.32e-04	0.37	-1.04	-5.16e-03	-0.32	6.37
		6.37	-0.74	1.27e-04	0.0	40.0	-2.32e-04	0.13	-1.04	-5.16e-03	-0.74	6.47
54	116	7.05	-0.78	-1.35e-04	-0.24	0.0	0.01	-0.60	-0.74	-6.43e-03	-0.78	7.05
		6.74	-1.03	-5.72e-04	0.0	40.0	0.01	-0.84	-0.74	-6.43e-03	-1.03	6.74
54	117	7.51	1.03	1.43e-04	-0.24	0.0	-0.02	0.65	0.12	-1.44e-03	1.03	7.28
		7.28	1.03	5.83e-04	0.0	40.0	-0.02	0.40	0.12	-1.44e-03	1.03	7.51
54	131	8.31	0.96	-3.76e-05	-0.24	0.0	-2.50e-05	-0.49	0.68	-2.33e-03	0.69	8.31
		8.07	0.69	-1.99e-04	0.0	40.0	-2.50e-05	-0.74	0.68	-2.33e-03	0.96	8.07
54	132	6.16	-0.85	-3.93e-05	-0.24	0.0	7.10e-03	0.12	-1.38	-6.65e-03	-0.85	6.15
		6.13	-1.37	-1.42e-04	0.0	40.0	7.10e-03	-0.12	-1.38	-6.65e-03	-1.37	6.13
54	133	8.18	1.37	4.72e-05	-0.24	0.0	-8.09e-03	-0.07	0.76	-1.22e-03	1.09	8.18
		8.13	1.09	1.52e-04	0.0	40.0	-8.09e-03	-0.31	0.76	-1.22e-03	1.37	8.13
54	134	6.19	-0.44	4.39e-05	-0.24	0.0	-9.70e-04	0.55	-1.31	-5.54e-03	-0.44	6.03
		6.03	-0.97	2.10e-04	0.0	40.0	-9.70e-04	0.30	-1.31	-5.54e-03	-0.97	6.19
55	2	20.29	5.47e-03	1.32e-03	-0.95	0.0	-2.87e-03	-13.95	-0.10	-0.02	5.47e-03	20.29
		2.98	-0.11	6.85e-05	0.0	120.0	-2.87e-03	-14.90	-0.10	-0.02	-0.11	2.98
55	3	4.15	0.07	2.73e-04	-0.73	0.0	-8.58e-04	-2.56	-0.10	-4.22e-03	0.07	4.15
		0.65	-0.06	2.88e-05	0.0	120.0	-8.58e-04	-3.29	-0.10	-4.22e-03	-0.06	0.65
55	5	5.40	0.11	3.55e-04	-0.95	0.0	-1.18e-03	-3.30	-0.16	-5.48e-03	0.11	5.40
		0.86	-0.09	4.47e-05	0.0	120.0	-1.18e-03	-4.25	-0.16	-5.48e-03	-0.09	0.86
55	6	15.83	0.06	1.03e-03	-0.95	0.0	-2.44e-03	-10.74	-0.15	-0.02	0.06	15.83
		2.37	-0.12	7.06e-05	0.0	120.0	-2.44e-03	-11.69	-0.15	-0.02	-0.12	2.37
55	9	4.15	0.05	2.73e-04	-0.73	0.0	-8.00e-04	-2.57	-0.08	-4.22e-03	0.05	4.15
		0.63	-0.05	2.22e-05	0.0	120.0	-8.00e-04	-3.30	-0.08	-4.22e-03	-0.05	0.63
55	10	14.08	5.28e-03	9.15e-04	-0.73	0.0	-2.00e-03	-9.65	-0.07	-0.02	5.28e-03	14.08
		2.07	-0.08	4.69e-05	0.0	120.0	-2.00e-03	-10.38	-0.07	-0.02	-0.08	2.07
55	11	4.15	0.07	2.73e-04	-0.73	0.0	-8.78e-04	-2.55	-0.11	-4.22e-03	0.07	4.15

		0.65	-0.06	3.10e-05	0.0	120.0	-8.78e-04	-3.28	-0.11	-4.22e-03	-0.06	0.65
55	12	11.10	0.04	7.22e-04	-0.73	0.0	-1.72e-03	-7.50	-0.10	-0.01	0.04	11.10
		1.66	-0.08	4.83e-05	0.0	120.0	-1.72e-03	-8.24	-0.10	-0.01	-0.08	1.66
55	13	4.15	0.01	2.74e-04	-0.73	0.0	-6.83e-04	-2.60	-0.03	-4.23e-03	0.01	4.15
		0.59	-0.03	9.00e-06	0.0	120.0	-6.83e-04	-3.33	-0.03	-4.23e-03	-0.03	0.59
55	14	9.12	-9.64e-03	5.95e-04	-0.73	0.0	-1.28e-03	-6.14	-0.03	-0.01	-9.64e-03	9.12
		1.31	-0.04	2.13e-05	0.0	120.0	-1.28e-03	-6.87	-0.03	-0.01	-0.04	1.31
55	15	4.15	0.02	2.74e-04	-0.73	0.0	-7.22e-04	-2.59	-0.05	-4.23e-03	0.02	4.15
		0.60	-0.03	1.34e-05	0.0	120.0	-7.22e-04	-3.32	-0.05	-4.23e-03	-0.03	0.60
55	16	7.13	0.01	4.66e-04	-0.73	0.0	-1.08e-03	-4.72	-0.05	-7.75e-03	0.01	7.13
		1.03	-0.04	2.08e-05	0.0	120.0	-1.08e-03	-5.45	-0.05	-7.75e-03	-0.04	1.03
55	17	4.15	0.01	2.74e-04	-0.73	0.0	-6.83e-04	-2.60	-0.03	-4.23e-03	0.01	4.15
		0.59	-0.03	9.00e-06	0.0	120.0	-6.83e-04	-3.33	-0.03	-4.23e-03	-0.03	0.59
55	18	7.13	-8.78e-04	4.66e-04	-0.73	0.0	-1.04e-03	-4.73	-0.03	-7.75e-03	-8.78e-04	7.13
		1.02	-0.04	1.64e-05	0.0	120.0	-1.04e-03	-5.46	-0.03	-7.75e-03	-0.04	1.02
55	19	7.32	0.16	1.24e-04	-0.73	0.0	-1.91	-4.92	0.28	-0.01	-0.18	7.32
		1.01	-0.18	-1.53e-03	0.0	120.0	-1.91	-5.66	0.28	-0.01	0.16	1.01
55	22	6.94	0.18	8.09e-04	-0.73	0.0	1.91	-4.53	-0.34	-4.29e-03	0.18	6.94
		1.03	-0.24	1.57e-03	0.0	120.0	1.91	-5.26	-0.34	-4.29e-03	-0.24	1.03
55	36	6.26	-0.08	3.10e-04	-0.73	0.0	-0.51	-3.90	0.93	-9.19e-03	-1.19	6.26
		1.19	-1.19	-5.52e-04	0.0	120.0	-0.51	-4.63	0.93	-9.19e-03	-0.08	1.19
55	37	8.00	1.19	6.22e-04	-0.73	0.0	0.51	-5.55	-0.99	-6.32e-03	1.19	8.00
		0.85	1.33e-03	5.85e-04	0.0	120.0	0.51	-6.28	-0.99	-6.32e-03	1.33e-03	0.85
55	51	7.30	0.12	2.09e-04	-0.73	0.0	-1.54	-4.91	0.17	-0.01	-0.09	7.30
		1.01	-0.09	-1.15e-03	0.0	120.0	-1.54	-5.64	0.17	-0.01	0.12	1.01
55	54	6.96	0.09	7.23e-04	-0.73	0.0	1.54	-4.55	-0.23	-5.14e-03	0.09	6.96
		1.03	-0.19	1.18e-03	0.0	120.0	1.54	-5.28	-0.23	-5.14e-03	-0.19	1.03
55	68	6.36	-0.08	3.42e-04	-0.73	0.0	-0.41	-4.00	0.81	-8.86e-03	-1.06	6.36
		1.17	-1.06	-4.28e-04	0.0	120.0	-0.41	-4.73	0.81	-8.86e-03	-0.08	1.17
55	69	7.90	1.05	5.91e-04	-0.73	0.0	0.41	-5.46	-0.87	-6.64e-03	1.05	7.90
		0.87	5.07e-03	4.61e-04	0.0	120.0	0.41	-6.19	-0.87	-6.64e-03	5.07e-03	0.87
55	83	7.29	0.10	2.38e-04	-0.73	0.0	-1.39	-4.89	0.15	-0.01	-0.08	7.29
		1.01	-0.08	-1.02e-03	0.0	120.0	-1.39	-5.62	0.15	-0.01	0.10	1.01
55	86	6.97	0.08	6.94e-04	-0.73	0.0	1.39	-4.56	-0.21	-5.43e-03	0.08	6.97
		1.03	-0.18	1.05e-03	0.0	120.0	1.39	-5.30	-0.21	-5.43e-03	-0.18	1.03
55	100	6.44	-0.08	3.55e-04	-0.73	0.0	-0.37	-4.07	0.73	-8.74e-03	-0.95	6.44
		1.15	-0.95	-3.80e-04	0.0	120.0	-0.37	-4.80	0.73	-8.74e-03	-0.08	1.15
55	101	7.82	0.95	5.78e-04	-0.73	0.0	0.37	-5.39	-0.79	-6.76e-03	0.95	7.82
		0.88	1.50e-03	4.13e-04	0.0	120.0	0.37	-6.12	-0.79	-6.76e-03	1.50e-03	0.88
55	115	7.34	0.19	6.39e-05	-0.73	0.0	-2.21	-4.95	0.35	-0.01	-0.23	7.34
		1.01	-0.23	-1.80e-03	0.0	120.0	-2.21	-5.68	0.35	-0.01	0.19	1.01
55	118	6.92	0.23	8.69e-04	-0.73	0.0	2.20	-4.50	-0.41	-3.70e-03	0.23	6.92
		1.03	-0.27	1.83e-03	0.0	120.0	2.20	-5.24	-0.41	-3.70e-03	-0.27	1.03
55	132	6.14	-0.08	2.86e-04	-0.73	0.0	-0.59	-3.79	1.05	-9.43e-03	-1.34	6.14
		1.21	-1.34	-6.45e-04	0.0	120.0	-0.59	-4.52	1.05	-9.43e-03	-0.08	1.21
55	133	8.12	1.34	6.47e-04	-0.73	0.0	0.59	-5.66	-1.12	-6.08e-03	1.34	8.12
		0.83	3.69e-03	6.77e-04	0.0	120.0	0.59	-6.39	-1.12	-6.08e-03	3.69e-03	0.83
56	2	3.01	0.0	1.55e-04	-0.08	0.0	-0.01	-30.03	1.01	-0.25	-0.10	3.01
		0.0	-0.10	4.59e-06	0.0	10.0	-0.01	-30.11	1.01	-0.25	0.0	0.0
56	3	0.65	0.0	3.24e-05	-0.06	0.0	-2.31e-03	-6.49	0.56	-0.04	-0.06	0.65
		0.0	-0.06	2.12e-06	0.0	10.0	-2.31e-03	-6.55	0.56	-0.04	0.0	0.0
56	4	2.83	0.0	1.45e-04	-0.06	0.0	-9.93e-03	-28.26	0.93	-0.24	-0.09	2.83
		0.0	-0.09	4.44e-06	0.0	10.0	-9.93e-03	-28.32	0.93	-0.24	0.0	0.0
56	6	2.39	0.0	1.21e-04	-0.08	0.0	-8.30e-03	-23.90	1.09	-0.19	-0.11	2.39
		0.0	-0.11	4.97e-06	0.0	10.0	-8.30e-03	-23.98	1.09	-0.19	0.0	0.0
56	7	0.69	0.0	3.25e-05	-0.06	0.0	-2.25e-03	-6.89	0.76	-0.03	-0.08	0.69
		0.0	-0.08	3.19e-06	0.0	10.0	-2.25e-03	-6.95	0.76	-0.03	0.0	0.0
56	9	0.63	0.0	3.23e-05	-0.06	0.0	-2.34e-03	-6.29	0.46	-0.04	-0.05	0.63
		0.0	-0.05	1.59e-06	0.0	10.0	-2.34e-03	-6.36	0.46	-0.04	0.0	0.0
56	10	2.08	0.0	1.08e-04	-0.06	0.0	-7.42e-03	-20.81	0.71	-0.17	-0.07	2.08
		0.0	-0.07	3.13e-06	0.0	10.0	-7.42e-03	-20.87	0.71	-0.17	0.0	0.0
56	11	0.66	0.0	3.24e-05	-0.06	0.0	-2.30e-03	-6.56	0.59	-0.04	-0.06	0.66
		0.0	-0.06	2.30e-06	0.0	10.0	-2.30e-03	-6.62	0.59	-0.04	0.0	0.0
56	12	1.67	0.0	8.51e-05	-0.06	0.0	-5.85e-03	-16.72	0.76	-0.13	-0.08	1.67
		0.0	-0.08	3.38e-06	0.0	10.0	-5.85e-03	-16.78	0.76	-0.13	0.0	0.0
56	13	0.59	0.0	3.22e-05	-0.06	0.0	-2.40e-03	-5.90	0.26	-0.04	-0.03	0.59
		0.0	-0.03	0.0	0.0	10.0	-2.40e-03	-5.96	0.26	-0.04	0.0	0.0
56	14	1.32	0.0	6.99e-05	-0.06	0.0	-4.94e-03	-13.15	0.38	-0.11	-0.04	1.32
		0.0	-0.04	1.29e-06	0.0	10.0	-4.94e-03	-13.22	0.38	-0.11	0.0	0.0
56	15	0.61	0.0	3.23e-05	-0.06	0.0	-2.38e-03	-6.03	0.33	-0.04	-0.03	0.61
		0.0	-0.03	0.0	0.0	10.0	-2.38e-03	-6.09	0.33	-0.04	0.0	0.0
56	16	1.04	0.0	5.49e-05	-0.06	0.0	-3.90e-03	-10.38	0.40	-0.08	-0.04	1.04
		0.0	-0.04	1.34e-06	0.0	10.0	-3.90e-03	-10.44	0.40	-0.08	0.0	0.0
56	17	0.59	0.0	3.22e-05	-0.06	0.0	-2.40e-03	-5.90	0.26	-0.04	-0.03	0.59
		0.0	-0.03	0.0	0.0	10.0	-2.40e-03	-5.96	0.26	-0.04	0.0	0.0

56	18	1.03	0.0	5.48e-05	-0.06	0.0	-3.92e-03	-10.25	0.34	-0.08	-0.03	1.03
		0.0	-0.03	0.0	0.0	10.0	-3.92e-03	-10.31	0.34	-0.08	0.0	0.0
56	19	1.01	0.24	2.62e-05	-0.06	0.0	-3.67	-10.07	-2.41	-0.25	0.24	1.01
		0.0	0.0	-1.27e-04	0.0	10.0	-3.67	-10.13	-2.41	-0.25	0.0	0.0
56	22	1.05	0.0	8.35e-05	-0.06	0.0	3.66	-10.43	3.08	0.08	-0.31	1.05
		0.0	-0.31	1.29e-04	0.0	10.0	3.66	-10.49	3.08	0.08	0.0	0.0
56	31	1.02	0.20	3.16e-05	-0.06	0.0	-3.28	-10.22	-1.96	-0.21	0.20	1.02
		0.0	0.0	-1.03e-04	0.0	10.0	-3.28	-10.28	-1.96	-0.21	0.0	0.0
56	36	1.19	0.0	4.14e-05	-0.06	0.0	-0.99	-11.87	0.59	-0.08	-0.06	1.19
		0.0	-0.06	-5.20e-05	0.0	10.0	-0.99	-11.93	0.59	-0.08	0.0	0.0
56	51	1.01	0.18	3.34e-05	-0.06	0.0	-2.97	-10.06	-1.78	-0.21	0.18	1.01
		0.0	0.0	-9.52e-05	0.0	10.0	-2.97	-10.12	-1.78	-0.21	0.0	0.0
56	54	1.05	0.0	7.63e-05	-0.06	0.0	2.96	-10.44	2.46	0.04	-0.25	1.05
		0.0	-0.25	9.71e-05	0.0	10.0	2.96	-10.50	2.46	0.04	0.0	0.0
56	63	1.02	0.14	3.73e-05	-0.06	0.0	-2.65	-10.20	-1.45	-0.18	0.14	1.02
		0.0	0.0	-7.75e-05	0.0	10.0	-2.65	-10.26	-1.45	-0.18	0.0	0.0
56	72	1.17	0.0	4.52e-05	-0.06	0.0	-0.71	-11.70	0.76	-0.07	-0.08	1.17
		0.0	-0.08	-3.62e-05	0.0	10.0	-0.71	-11.76	0.76	-0.07	0.0	0.0
56	83	1.01	0.16	3.58e-05	-0.06	0.0	-2.67	-10.08	-1.55	-0.19	0.16	1.01
		0.0	0.0	-8.45e-05	0.0	10.0	-2.67	-10.14	-1.55	-0.19	0.0	0.0
56	86	1.05	0.0	7.39e-05	-0.06	0.0	2.66	-10.43	2.22	0.03	-0.22	1.05
		0.0	-0.22	8.64e-05	0.0	10.0	2.66	-10.49	2.22	0.03	0.0	0.0
56	95	1.02	0.13	3.93e-05	-0.06	0.0	-2.38	-10.20	-1.26	-0.17	0.13	1.02
		0.0	0.0	-6.87e-05	0.0	10.0	-2.38	-10.26	-1.26	-0.17	0.0	0.0
56	104	1.16	0.0	4.62e-05	-0.06	0.0	-0.63	-11.56	0.73	-0.07	-0.07	1.16
		0.0	-0.07	-3.22e-05	0.0	10.0	-0.63	-11.62	0.73	-0.07	0.0	0.0
56	115	1.01	0.29	2.12e-05	-0.06	0.0	-4.24	-10.06	-2.87	-0.27	0.29	1.01
		0.0	0.0	-1.49e-04	0.0	10.0	-4.24	-10.12	-2.87	-0.27	0.0	0.0
56	118	1.05	0.0	8.85e-05	-0.06	0.0	4.23	-10.44	3.54	0.11	-0.35	1.05
		0.0	-0.35	1.51e-04	0.0	10.0	4.23	-10.50	3.54	0.11	0.0	0.0
56	127	1.03	0.23	2.78e-05	-0.06	0.0	-3.78	-10.22	-2.32	-0.23	0.23	1.03
		0.0	0.0	-1.20e-04	0.0	10.0	-3.78	-10.28	-2.32	-0.23	0.0	0.0
56	132	1.21	0.0	3.94e-05	-0.06	0.0	-1.14	-12.08	0.58	-0.08	-0.06	1.21
		0.0	-0.06	-6.04e-05	0.0	10.0	-1.14	-12.14	0.58	-0.08	0.0	0.0
63	2	2.72	0.03	1.23e-04	-0.08	0.0	0.28	-27.20	-0.27	0.30	0.03	2.72
		0.0	0.0	2.13e-05	0.0	10.0	0.28	-27.28	-0.27	0.30	0.0	0.0
63	5	0.64	0.0	3.33e-05	-0.08	0.0	0.09	-6.39	1.33	0.08	-0.13	0.64
		0.0	-0.13	5.48e-06	0.0	10.0	0.09	-6.47	1.33	0.08	0.0	0.0
63	7	0.47	0.0	2.55e-05	-0.06	0.0	0.07	-4.68	1.44	0.06	-0.14	0.47
		0.0	-0.14	4.20e-06	0.0	10.0	0.07	-4.74	1.44	0.06	0.0	0.0
63	10	1.89	0.02	8.57e-05	-0.06	0.0	0.19	-18.89	-0.23	0.21	0.02	1.89
		0.0	0.0	1.48e-05	0.0	10.0	0.19	-18.95	-0.23	0.21	0.0	0.0
63	11	0.50	0.0	2.57e-05	-0.06	0.0	0.07	-5.02	0.84	0.06	-0.08	0.50
		0.0	-0.08	4.22e-06	0.0	10.0	0.07	-5.08	0.84	0.06	0.0	0.0
63	13	0.57	0.04	2.62e-05	-0.06	0.0	0.07	-5.69	-0.35	0.06	0.04	0.57
		0.0	0.0	4.28e-06	0.0	10.0	0.07	-5.75	-0.35	0.06	0.0	0.0
63	14	1.25	0.06	5.61e-05	-0.06	0.0	0.13	-12.49	-0.65	0.13	0.06	1.25
		0.0	0.0	9.54e-06	0.0	10.0	0.13	-12.55	-0.65	0.13	0.0	0.0
63	15	0.56	0.01	2.61e-05	-0.06	0.0	0.07	-5.56	-0.11	0.06	0.01	0.56
		0.0	0.0	4.27e-06	0.0	10.0	0.07	-5.62	-0.11	0.06	0.0	0.0
63	17	0.57	0.04	2.62e-05	-0.06	0.0	0.07	-5.69	-0.35	0.06	0.04	0.57
		0.0	0.0	4.28e-06	0.0	10.0	0.07	-5.75	-0.35	0.06	0.0	0.0
63	18	0.98	0.05	4.41e-05	-0.06	0.0	0.10	-9.77	-0.53	0.10	0.05	0.98
		0.0	0.0	7.44e-06	0.0	10.0	0.10	-9.83	-0.53	0.10	0.0	0.0
63	27	1.09	0.18	7.47e-05	-0.06	0.0	-5.66	-10.86	-1.82	-0.09	0.18	1.09
		0.0	0.0	-1.24e-04	0.0	10.0	-5.66	-10.92	-1.82	-0.09	0.0	0.0
63	30	0.87	0.0	1.35e-05	-0.06	0.0	5.87	-8.68	0.76	0.29	-0.08	0.87
		0.0	-0.08	1.38e-04	0.0	10.0	5.87	-8.75	0.76	0.29	0.0	0.0
63	31	1.07	0.13	7.46e-05	-0.06	0.0	-5.62	-10.71	-1.28	-0.09	0.13	1.07
		0.0	0.0	-1.23e-04	0.0	10.0	-5.62	-10.77	-1.28	-0.09	0.0	0.0
63	35	1.18	0.75	5.41e-05	-0.06	0.0	-1.93	-11.73	-7.55	2.42e-03	0.75	1.18
		0.0	0.0	-1.82e-05	0.0	10.0	-1.93	-11.79	-7.55	2.42e-03	0.0	0.0
63	36	0.82	0.0	5.68e-05	-0.06	0.0	-1.23	-8.19	7.19	0.07	-0.72	0.82
		0.0	-0.72	-6.83e-05	0.0	10.0	-1.23	-8.25	7.19	0.07	0.0	0.0
63	37	1.14	0.82	3.15e-05	-0.06	0.0	1.44	-11.35	-8.25	0.13	0.82	1.14
		0.0	0.0	8.32e-05	0.0	10.0	1.44	-11.41	-8.25	0.13	0.0	0.0
63	59	1.07	0.18	6.73e-05	-0.06	0.0	-4.30	-10.68	-1.80	-0.05	0.18	1.07
		0.0	0.0	-9.11e-05	0.0	10.0	-4.30	-10.74	-1.80	-0.05	0.0	0.0
63	62	0.89	0.0	2.09e-05	-0.06	0.0	4.51	-8.86	0.74	0.25	-0.07	0.89
		0.0	-0.07	1.06e-04	0.0	10.0	4.51	-8.92	0.74	0.25	0.0	0.0
63	67	1.15	0.69	5.14e-05	-0.06	0.0	-1.47	-11.52	-6.94	0.02	0.69	1.15
		0.0	0.0	-7.85e-06	0.0	10.0	-1.47	-11.58	-6.94	0.02	0.0	0.0
63	68	0.83	0.0	5.40e-05	-0.06	0.0	-0.86	-8.31	6.43	0.08	-0.64	0.83
		0.0	-0.64	-5.39e-05	0.0	10.0	-0.86	-8.37	6.43	0.08	0.0	0.0
63	69	1.13	0.75	3.43e-05	-0.06	0.0	1.07	-11.23	-7.49	0.12	0.75	1.13

		0.0	0.0	6.87e-05	0.0	10.0	1.07	-11.29	-7.49	0.12	0.0	0.0
63	79	1.11	0.53	4.98e-05	-0.06	0.0	-1.36	-11.04	-5.33	0.03	0.53	1.11
		0.0	0.0	0.0	0.0	10.0	-1.36	-11.11	-5.33	0.03	0.0	0.0
63	91	1.06	0.17	6.47e-05	-0.06	0.0	-3.81	-10.59	-1.68	-0.03	0.17	1.06
		0.0	0.0	-8.00e-05	0.0	10.0	-3.81	-10.65	-1.68	-0.03	0.0	0.0
63	94	0.90	0.0	2.35e-05	-0.06	0.0	4.02	-8.95	0.62	0.23	-0.06	0.90
		0.0	-0.06	9.49e-05	0.0	10.0	4.02	-9.02	0.62	0.23	0.0	0.0
63	99	1.14	0.63	5.06e-05	-0.06	0.0	-1.30	-11.35	-6.33	0.03	0.63	1.14
		0.0	0.0	-5.81e-06	0.0	10.0	-1.30	-11.41	-6.33	0.03	0.0	0.0
63	100	0.85	0.0	5.29e-05	-0.06	0.0	-0.75	-8.45	5.75	0.08	-0.58	0.85
		0.0	-0.58	-4.74e-05	0.0	10.0	-0.75	-8.51	5.75	0.08	0.0	0.0
63	101	1.11	0.68	3.54e-05	-0.06	0.0	0.96	-11.09	-6.81	0.12	0.68	1.11
		0.0	0.0	6.23e-05	0.0	10.0	0.96	-11.15	-6.81	0.12	0.0	0.0
63	111	1.10	0.49	4.91e-05	-0.06	0.0	-1.20	-10.92	-4.88	0.04	0.49	1.10
		0.0	0.0	0.0	0.0	10.0	-1.20	-10.98	-4.88	0.04	0.0	0.0
63	115	1.11	0.17	8.80e-05	-0.06	0.0	-6.59	-11.10	-1.66	-0.17	0.17	1.11
		0.0	0.0	-1.82e-04	0.0	10.0	-6.59	-11.16	-1.66	-0.17	0.0	0.0
63	118	0.85	0.0	0.0	-0.06	0.0	6.80	-8.44	0.60	0.37	-0.06	0.85
		0.0	-0.06	1.97e-04	0.0	10.0	6.80	-8.50	0.60	0.37	0.0	0.0
63	127	1.09	0.13	7.96e-05	-0.06	0.0	-6.54	-10.85	-1.34	-0.12	0.13	1.09
		0.0	0.0	-1.45e-04	0.0	10.0	-6.54	-10.91	-1.34	-0.12	0.0	0.0
63	131	1.20	0.84	5.59e-05	-0.06	0.0	-2.27	-11.98	-8.40	-0.01	0.84	1.20
		0.0	0.0	-2.39e-05	0.0	10.0	-2.27	-12.04	-8.40	-0.01	0.0	0.0
63	132	0.80	0.0	5.89e-05	-0.06	0.0	-1.47	-8.00	8.15	0.06	-0.81	0.80
		0.0	-0.81	-8.00e-05	0.0	10.0	-1.47	-8.06	8.15	0.06	0.0	0.0
63	133	1.16	0.92	2.94e-05	-0.06	0.0	1.68	-11.54	-9.21	0.14	0.92	1.16
		0.0	0.0	9.49e-05	0.0	10.0	1.68	-11.60	-9.21	0.14	0.0	0.0
64	2	1.86	0.05	-1.20e-04	-0.08	0.0	0.27	18.68	0.45	-0.03	0.0	0.0
		0.0	0.0	2.07e-06	0.0	10.0	0.27	18.60	0.45	-0.03	0.05	1.86
64	3	0.38	3.05e-03	-2.54e-05	-0.06	0.0	0.07	3.87	0.03	-5.19e-03	0.0	0.0
		0.0	0.0	2.20e-06	0.0	10.0	0.07	3.81	0.03	-5.19e-03	3.05e-03	0.38
64	7	0.38	1.70e-03	-2.53e-05	-0.06	0.0	0.07	3.86	0.02	-5.22e-03	0.0	0.0
		0.0	0.0	3.14e-06	0.0	10.0	0.07	3.80	0.02	-5.22e-03	1.70e-03	0.38
64	8	1.34	0.03	-8.62e-05	-0.06	0.0	0.19	13.42	0.30	-0.02	0.0	0.0
		0.0	0.0	2.88e-06	0.0	10.0	0.19	13.35	0.30	-0.02	0.03	1.34
64	9	0.38	3.73e-03	-2.55e-05	-0.06	0.0	0.07	3.87	0.04	-5.17e-03	0.0	0.0
		0.0	0.0	1.73e-06	0.0	10.0	0.07	3.81	0.04	-5.17e-03	3.73e-03	0.38
64	10	1.29	0.03	-8.34e-05	-0.06	0.0	0.19	12.97	0.31	-0.02	0.0	0.0
		0.0	0.0	1.48e-06	0.0	10.0	0.19	12.91	0.31	-0.02	0.03	1.29
64	11	0.38	2.83e-03	-2.54e-05	-0.06	0.0	0.07	3.87	0.03	-5.19e-03	0.0	0.0
		0.0	0.0	2.36e-06	0.0	10.0	0.07	3.81	0.03	-5.19e-03	2.83e-03	0.38
64	12	1.02	0.02	-6.60e-05	-0.06	0.0	0.15	10.24	0.22	-0.02	0.0	0.0
		0.0	0.0	2.18e-06	0.0	10.0	0.15	10.17	0.22	-0.02	0.02	1.02
64	13	0.38	5.08e-03	-2.55e-05	-0.06	0.0	0.07	3.88	0.05	-5.13e-03	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	0.07	3.82	0.05	-5.13e-03	5.08e-03	0.38
64	14	0.84	0.02	-5.45e-05	-0.06	0.0	0.13	8.43	0.19	-0.01	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	0.13	8.37	0.19	-0.01	0.02	0.84
64	15	0.38	4.63e-03	-2.55e-05	-0.06	0.0	0.07	3.88	0.05	-5.14e-03	0.0	0.0
		0.0	0.0	1.11e-06	0.0	10.0	0.07	3.81	0.05	-5.14e-03	4.63e-03	0.38
64	16	0.66	0.01	-4.29e-05	-0.06	0.0	0.10	6.61	0.13	-9.35e-03	0.0	0.0
		0.0	0.0	1.03e-06	0.0	10.0	0.10	6.54	0.13	-9.35e-03	0.01	0.66
64	17	0.38	5.08e-03	-2.55e-05	-0.06	0.0	0.07	3.88	0.05	-5.13e-03	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	0.07	3.82	0.05	-5.13e-03	5.08e-03	0.38
64	18	0.66	0.01	-4.29e-05	-0.06	0.0	0.10	6.61	0.13	-9.33e-03	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	0.10	6.55	0.13	-9.33e-03	0.01	0.66
64	27	0.69	0.17	-1.62e-05	-0.06	0.0	4.34	6.98	1.69	-0.02	0.0	0.0
		0.0	0.0	-1.53e-04	0.0	10.0	4.34	6.92	1.69	-0.02	0.17	0.69
64	30	0.62	0.0	-6.96e-05	-0.06	0.0	-4.13	6.24	-1.42	-7.74e-05	0.0	0.0
		0.0	-0.14	1.55e-04	0.0	10.0	-4.13	6.18	-1.42	-7.74e-05	-0.14	0.62
64	35	0.70	0.35	-3.20e-05	-0.06	0.0	1.61	7.07	3.53	-0.01	0.0	0.0
		0.0	0.0	-7.83e-05	0.0	10.0	1.61	7.01	3.53	-0.01	0.35	0.70
64	43	0.70	0.41	-3.23e-05	-0.06	0.0	1.49	7.05	4.08	-0.01	0.0	0.0
		0.0	0.0	-7.63e-05	0.0	10.0	1.49	6.99	4.08	-0.01	0.41	0.70
64	46	0.61	0.0	-5.35e-05	-0.06	0.0	-1.28	6.17	-3.82	-7.51e-03	0.0	0.0
		0.0	-0.38	7.77e-05	0.0	10.0	-1.28	6.11	-3.82	-7.51e-03	-0.38	0.61
64	48	0.63	0.0	-3.61e-05	-0.06	0.0	1.20	6.34	-3.46	-0.01	0.0	0.0
		0.0	-0.35	-1.94e-05	0.0	10.0	1.20	6.28	-3.46	-0.01	-0.35	0.63
64	59	0.69	0.15	-2.25e-05	-0.06	0.0	3.33	6.90	1.47	-0.02	0.0	0.0
		0.0	0.0	-1.18e-04	0.0	10.0	3.33	6.84	1.47	-0.02	0.15	0.69
64	62	0.63	0.0	-6.33e-05	-0.06	0.0	-3.13	6.31	-1.21	-2.37e-03	0.0	0.0
		0.0	-0.12	1.19e-04	0.0	10.0	-3.13	6.25	-1.21	-2.37e-03	-0.12	0.63
64	67	0.70	0.32	-3.44e-05	-0.06	0.0	1.27	7.00	3.18	-0.01	0.0	0.0
		0.0	0.0	-6.32e-05	0.0	10.0	1.27	6.94	3.18	-0.01	0.32	0.70
64	75	0.70	0.37	-3.47e-05	-0.06	0.0	1.16	6.98	3.68	-0.01	0.0	0.0
		0.0	0.0	-6.12e-05	0.0	10.0	1.16	6.92	3.68	-0.01	0.37	0.70

64	78	0.62	0.0	-5.11e-05	-0.06	0.0	-0.96	6.23	-3.41	-8.22e-03	0.0	0.0
		0.0	-0.34	6.26e-05	0.0	10.0	-0.96	6.17	-3.41	-8.22e-03	-0.34	0.62
64	80	0.63	0.0	-3.79e-05	-0.06	0.0	0.93	6.36	-3.13	-0.01	0.0	0.0
		0.0	-0.31	-1.10e-05	0.0	10.0	0.93	6.30	-3.13	-0.01	-0.31	0.63
64	91	0.68	0.13	-2.48e-05	-0.06	0.0	2.98	6.87	1.34	-0.02	0.0	0.0
		0.0	0.0	-1.05e-04	0.0	10.0	2.98	6.81	1.34	-0.02	0.13	0.68
64	94	0.63	0.0	-6.11e-05	-0.06	0.0	-2.77	6.34	-1.08	-3.15e-03	0.0	0.0
		0.0	-0.11	1.06e-04	0.0	10.0	-2.77	6.28	-1.08	-3.15e-03	-0.11	0.63
64	99	0.69	0.29	-3.53e-05	-0.06	0.0	1.14	6.96	2.89	-0.01	0.0	0.0
		0.0	0.0	-5.65e-05	0.0	10.0	1.14	6.90	2.89	-0.01	0.29	0.69
64	107	0.69	0.33	-3.56e-05	-0.06	0.0	1.05	6.94	3.34	-0.01	0.0	0.0
		0.0	0.0	-5.47e-05	0.0	10.0	1.05	6.88	3.34	-0.01	0.33	0.69
64	110	0.62	0.0	-5.02e-05	-0.06	0.0	-0.84	6.27	-3.07	-8.37e-03	0.0	0.0
		0.0	-0.31	5.61e-05	0.0	10.0	-0.84	6.21	-3.07	-8.37e-03	-0.31	0.62
64	112	0.64	0.0	-3.84e-05	-0.06	0.0	0.83	6.39	-2.82	-0.01	0.0	0.0
		0.0	-0.28	-9.34e-06	0.0	10.0	0.83	6.33	-2.82	-0.01	-0.28	0.64
64	115	0.71	0.19	-5.02e-06	-0.06	0.0	5.03	7.11	1.92	-0.02	0.0	0.0
		0.0	0.0	-2.16e-04	0.0	10.0	5.03	7.04	1.92	-0.02	0.19	0.71
64	118	0.61	0.0	-8.08e-05	-0.06	0.0	-4.83	6.11	-1.66	4.08e-03	0.0	0.0
		0.0	-0.17	2.17e-04	0.0	10.0	-4.83	6.05	-1.66	4.08e-03	-0.17	0.61
64	131	0.71	0.40	-3.02e-05	-0.06	0.0	1.86	7.14	3.96	-0.01	0.0	0.0
		0.0	0.0	-9.05e-05	0.0	10.0	1.86	7.08	3.96	-0.01	0.40	0.71
64	139	0.71	0.46	-3.05e-05	-0.06	0.0	1.72	7.11	4.59	-0.01	0.0	0.0
		0.0	0.0	-8.83e-05	0.0	10.0	1.72	7.05	4.59	-0.01	0.46	0.71
64	142	0.61	0.0	-5.53e-05	-0.06	0.0	-1.52	6.10	-4.32	-7.12e-03	0.0	0.0
		0.0	-0.43	8.98e-05	0.0	10.0	-1.52	6.04	-4.32	-7.12e-03	-0.43	0.61
64	144	0.63	0.0	-3.49e-05	-0.06	0.0	1.38	6.30	-3.90	-0.01	0.0	0.0
		0.0	-0.39	-2.35e-05	0.0	10.0	1.38	6.24	-3.90	-0.01	-0.39	0.63
65	2	15.09	0.40	-1.05e-03	-0.95	0.0	0.27	11.51	0.30	-0.03	0.05	1.85
		1.85	0.05	5.32e-05	0.0	120.0	0.27	10.56	0.30	-0.03	0.40	15.09
65	7	3.15	0.06	-2.20e-04	-0.73	0.0	0.07	2.67	0.05	-5.22e-03	1.70e-03	0.38
		0.38	1.70e-03	4.14e-05	0.0	120.0	0.07	1.94	0.05	-5.22e-03	0.06	3.15
65	10	10.48	0.28	-7.30e-04	-0.73	0.0	0.19	8.03	0.20	-0.02	0.03	1.29
		1.29	0.03	3.73e-05	0.0	120.0	0.19	7.30	0.20	-0.02	0.28	10.48
65	11	3.15	0.06	-2.21e-04	-0.73	0.0	0.07	2.67	0.05	-5.19e-03	2.83e-03	0.38
		0.38	2.83e-03	3.22e-05	0.0	120.0	0.07	1.94	0.05	-5.19e-03	0.06	3.15
65	14	6.83	0.17	-4.76e-04	-0.73	0.0	0.13	5.36	0.13	-0.01	0.02	0.84
		0.84	0.02	2.01e-05	0.0	120.0	0.13	4.63	0.13	-0.01	0.17	6.83
65	15	3.16	0.07	-2.21e-04	-0.73	0.0	0.07	2.68	0.05	-5.14e-03	4.63e-03	0.38
		0.38	4.63e-03	1.76e-05	0.0	120.0	0.07	1.95	0.05	-5.14e-03	0.07	3.16
65	17	3.17	0.07	-2.22e-04	-0.73	0.0	0.07	2.69	0.05	-5.13e-03	5.08e-03	0.38
		0.38	5.08e-03	1.39e-05	0.0	120.0	0.07	1.96	0.05	-5.13e-03	0.07	3.17
65	18	5.36	0.13	-3.74e-04	-0.73	0.0	0.10	4.29	0.10	-9.33e-03	0.01	0.65
		0.65	0.01	1.76e-05	0.0	120.0	0.10	3.56	0.10	-9.33e-03	0.13	5.36
65	19	5.81	0.66	-4.00e-05	-0.73	0.0	2.44	4.63	0.50	-0.02	0.17	0.70
		0.70	0.17	-2.17e-03	0.0	120.0	2.44	3.90	0.50	-0.02	0.66	5.81
65	27	5.74	0.63	-8.02e-05	-0.73	0.0	2.44	4.57	0.48	-0.02	0.17	0.69
		0.69	0.17	-1.80e-03	0.0	120.0	2.44	3.84	0.48	-0.02	0.63	5.74
65	30	4.99	-0.14	-7.00e-04	-0.73	0.0	-2.23	4.01	-0.28	-7.74e-05	-0.14	0.61
		0.61	-0.37	1.83e-03	0.0	120.0	-2.23	3.28	-0.28	-7.74e-05	-0.37	4.99
65	35	5.81	1.21	-2.46e-04	-0.73	0.0	0.94	4.62	0.75	-0.01	0.35	0.70
		0.70	0.35	-8.41e-04	0.0	120.0	0.94	3.89	0.75	-0.01	1.21	5.81
65	38	4.92	-0.33	-5.03e-04	-0.73	0.0	-0.73	3.96	-0.56	-7.62e-03	-0.33	0.61
		0.61	-0.95	8.77e-04	0.0	120.0	-0.73	3.23	-0.56	-7.62e-03	-0.95	4.92
65	59	5.66	0.55	-1.37e-04	-0.73	0.0	1.89	4.51	0.41	-0.02	0.15	0.69
		0.69	0.15	-1.37e-03	0.0	120.0	1.89	3.78	0.41	-0.02	0.55	5.66
65	62	5.07	-0.12	-6.23e-04	-0.73	0.0	-1.68	4.07	-0.22	-2.37e-03	-0.12	0.62
		0.62	-0.30	1.41e-03	0.0	120.0	-1.68	3.34	-0.22	-2.37e-03	-0.30	5.07
65	67	5.74	1.10	-2.75e-04	-0.73	0.0	0.75	4.57	0.68	-0.01	0.32	0.69
		0.69	0.32	-6.66e-04	0.0	120.0	0.75	3.84	0.68	-0.01	1.10	5.74
65	70	4.99	-0.29	-4.73e-04	-0.73	0.0	-0.54	4.01	-0.48	-8.32e-03	-0.29	0.61
		0.61	-0.84	7.02e-04	0.0	120.0	-0.54	3.28	-0.48	-8.32e-03	-0.84	4.99
65	91	5.63	0.51	-1.60e-04	-0.73	0.0	1.69	4.49	0.38	-0.02	0.13	0.68
		0.68	0.13	-1.22e-03	0.0	120.0	1.69	3.76	0.38	-0.02	0.51	5.63
65	94	5.10	-0.11	-5.95e-04	-0.73	0.0	-1.48	4.09	-0.19	-3.15e-03	-0.11	0.63
		0.63	-0.25	1.26e-03	0.0	120.0	-1.48	3.36	-0.19	-3.15e-03	-0.25	5.10
65	99	5.70	1.01	-2.86e-04	-0.73	0.0	0.68	4.54	0.62	-0.01	0.29	0.69
		0.69	0.29	-5.94e-04	0.0	120.0	0.68	3.81	0.62	-0.01	1.01	5.70
65	102	5.03	-0.26	-4.63e-04	-0.73	0.0	-0.47	4.04	-0.43	-8.45e-03	-0.26	0.62
		0.62	-0.75	6.29e-04	0.0	120.0	-0.47	3.31	-0.43	-8.45e-03	-0.75	5.03
65	115	5.89	0.73	8.86e-05	-0.73	0.0	2.84	4.68	0.57	-0.02	0.19	0.71
		0.71	0.19	-2.55e-03	0.0	120.0	2.84	3.95	0.57	-0.02	0.73	5.89
65	118	4.84	-0.17	-8.37e-04	-0.73	0.0	-2.63	3.90	-0.37	4.08e-03	-0.17	0.60
		0.60	-0.48	2.58e-03	0.0	120.0	-2.63	3.17	-0.37	4.08e-03	-0.48	4.84
65	131	5.87	1.35	-2.25e-04	-0.73	0.0	1.08	4.67	0.84	-0.01	0.40	0.71

		0.71	0.40	-9.78e-04	0.0	120.0	1.08	3.94	0.84	-0.01	1.35	5.87
65	134	4.86	-0.37	-5.25e-04	-0.73	0.0	-0.87	3.91	-0.64	-7.24e-03	-0.37	0.60
		0.60	-1.09	1.01e-03	0.0	120.0	-0.87	3.18	-0.64	-7.24e-03	-1.09	4.86
66	2	17.39	0.56	-4.31e-05	-0.32	0.0	0.27	5.92	0.41	-0.03	0.40	15.09
		15.09	0.40	4.24e-05	0.0	40.0	0.27	5.61	0.41	-0.03	0.56	17.39
66	7	3.55	0.11	-8.57e-06	-0.24	0.0	0.07	1.15	0.12	-5.22e-03	0.06	3.14
		3.14	0.06	1.76e-05	0.0	40.0	0.07	0.90	0.12	-5.22e-03	0.11	3.55
66	10	12.07	0.39	-2.99e-05	-0.24	0.0	0.19	4.10	0.28	-0.02	0.28	10.48
		10.48	0.28	2.94e-05	0.0	40.0	0.19	3.86	0.28	-0.02	0.39	12.07
66	11	3.56	0.10	-8.60e-06	-0.24	0.0	0.07	1.15	0.10	-5.19e-03	0.06	3.15
		3.15	0.06	1.46e-05	0.0	40.0	0.07	0.91	0.10	-5.19e-03	0.10	3.56
66	14	7.83	0.23	-1.93e-05	-0.24	0.0	0.13	2.64	0.16	-0.01	0.17	6.83
		6.83	0.17	1.72e-05	0.0	40.0	0.13	2.39	0.16	-0.01	0.23	7.83
66	15	3.58	0.09	-8.65e-06	-0.24	0.0	0.07	1.16	0.06	-5.14e-03	0.07	3.16
		3.16	0.07	9.82e-06	0.0	40.0	0.07	0.92	0.06	-5.14e-03	0.09	3.58
66	17	3.58	0.09	-8.66e-06	-0.24	0.0	0.07	1.16	0.05	-5.13e-03	0.07	3.17
		3.17	0.07	8.62e-06	0.0	40.0	0.07	0.92	0.05	-5.13e-03	0.09	3.58
66	18	6.13	0.18	-1.50e-05	-0.24	0.0	0.10	2.05	0.11	-9.33e-03	0.13	5.36
		5.36	0.13	1.38e-05	0.0	40.0	0.10	1.80	0.11	-9.33e-03	0.18	6.13
66	19	6.70	0.81	1.28e-04	-0.24	0.0	1.02	2.33	0.37	-0.02	0.66	5.82
		5.82	0.66	-6.85e-04	0.0	40.0	1.02	2.09	0.37	-0.02	0.81	6.70
66	22	5.57	-0.40	-1.47e-04	-0.24	0.0	-0.82	1.76	-0.14	2.09e-03	-0.40	4.91
		4.91	-0.46	7.13e-04	0.0	40.0	-0.82	1.52	-0.14	2.09e-03	-0.46	5.57
66	35	6.65	1.26	3.01e-05	-0.24	0.0	0.43	2.24	0.09	-0.01	1.21	5.81
		5.81	1.21	-2.08e-04	0.0	40.0	0.43	2.00	0.09	-0.01	1.26	6.65
66	38	5.61	-0.91	-4.92e-05	-0.24	0.0	-0.23	1.85	0.14	-7.62e-03	-0.95	4.92
		4.92	-0.95	2.35e-04	0.0	40.0	-0.23	1.61	0.14	-7.62e-03	-0.91	5.61
66	51	6.57	0.70	9.43e-05	-0.24	0.0	0.80	2.27	0.30	-0.02	0.57	5.72
		5.72	0.57	-5.15e-04	0.0	40.0	0.80	2.02	0.30	-0.02	0.70	6.57
66	54	5.69	-0.32	-1.13e-04	-0.24	0.0	-0.59	1.83	-0.07	-7.87e-04	-0.32	5.01
		5.01	-0.35	5.43e-04	0.0	40.0	-0.59	1.58	-0.07	-7.87e-04	-0.35	5.69
66	67	6.57	1.14	2.01e-05	-0.24	0.0	0.36	2.21	0.08	-0.01	1.10	5.73
		5.73	1.10	-1.55e-04	0.0	40.0	0.36	1.96	0.08	-0.01	1.14	6.57
66	70	5.70	-0.79	-3.92e-05	-0.24	0.0	-0.15	1.89	0.15	-8.32e-03	-0.84	4.99
		4.99	-0.84	1.83e-04	0.0	40.0	-0.15	1.64	0.15	-8.32e-03	-0.79	5.70
66	83	6.53	0.64	8.28e-05	-0.24	0.0	0.72	2.24	0.28	-0.02	0.53	5.68
		5.68	0.53	-4.56e-04	0.0	40.0	0.72	2.00	0.28	-0.02	0.64	6.53
66	86	5.74	-0.27	-1.02e-04	-0.24	0.0	-0.52	1.85	-0.05	-1.74e-03	-0.27	5.05
		5.05	-0.29	4.84e-04	0.0	40.0	-0.52	1.61	-0.05	-1.74e-03	-0.29	5.74
66	99	6.52	1.04	1.68e-05	-0.24	0.0	0.33	2.19	0.08	-0.01	1.01	5.70
		5.70	1.01	-1.37e-04	0.0	40.0	0.33	1.95	0.08	-0.01	1.04	6.52
66	102	5.74	-0.69	-3.59e-05	-0.24	0.0	-0.13	1.90	0.15	-8.45e-03	-0.75	5.03
		5.03	-0.75	1.64e-04	0.0	40.0	-0.13	1.66	0.15	-8.45e-03	-0.69	5.74
66	115	6.80	0.90	1.52e-04	-0.24	0.0	1.18	2.38	0.42	-0.02	0.73	5.89
		5.89	0.73	-8.05e-04	0.0	40.0	1.18	2.14	0.42	-0.02	0.90	6.80
66	118	5.47	-0.48	-1.71e-04	-0.24	0.0	-0.97	1.71	-0.19	4.08e-03	-0.48	4.84
		4.84	-0.55	8.33e-04	0.0	40.0	-0.97	1.47	-0.19	4.08e-03	-0.55	5.47
66	131	6.73	1.40	3.70e-05	-0.24	0.0	0.49	2.27	0.08	-0.01	1.35	5.87
		5.87	1.35	-2.45e-04	0.0	40.0	0.49	2.03	0.08	-0.01	1.40	6.73
66	134	5.53	-1.05	-5.61e-05	-0.24	0.0	-0.28	1.82	0.14	-7.24e-03	-1.09	4.85
		4.85	-1.09	2.73e-04	0.0	40.0	-0.28	1.58	0.14	-7.24e-03	-1.05	5.53
67	2	17.40	0.57	1.01e-03	-0.95	0.0	0.27	-11.76	-0.46	0.02	0.57	17.40
		2.71	0.01	2.22e-04	0.0	120.0	0.27	-12.71	-0.46	0.02	0.01	2.71
67	7	3.55	0.11	2.09e-04	-0.73	0.0	0.07	-2.21	-0.21	2.87e-03	0.11	3.55
		0.47	-0.15	6.23e-05	0.0	120.0	0.07	-2.94	-0.21	2.87e-03	-0.15	0.47
67	10	12.07	0.39	7.00e-04	-0.73	0.0	0.19	-8.13	-0.32	0.01	0.39	12.07
		1.88	0.01	1.54e-04	0.0	120.0	0.19	-8.86	-0.32	0.01	0.01	1.88
67	11	3.56	0.10	2.11e-04	-0.73	0.0	0.07	-2.19	-0.16	2.90e-03	0.10	3.56
		0.50	-0.09	5.56e-05	0.0	120.0	0.07	-2.92	-0.16	2.90e-03	-0.09	0.50
67	14	7.83	0.23	4.57e-04	-0.73	0.0	0.13	-5.13	-0.15	6.98e-03	0.23	7.83
		1.25	0.06	9.39e-05	0.0	120.0	0.13	-5.86	-0.15	6.98e-03	0.06	1.25
67	15	3.58	0.09	2.12e-04	-0.73	0.0	0.07	-2.15	-0.07	2.95e-03	0.09	3.58
		0.56	8.17e-03	4.50e-05	0.0	120.0	0.07	-2.89	-0.07	2.95e-03	8.17e-03	0.56
67	17	3.58	0.09	2.13e-04	-0.73	0.0	0.07	-2.15	-0.05	2.96e-03	0.09	3.58
		0.57	0.03	4.23e-05	0.0	120.0	0.07	-2.88	-0.05	2.96e-03	0.03	0.57
67	18	6.13	0.18	3.60e-04	-0.73	0.0	0.10	-3.93	-0.11	5.37e-03	0.18	6.13
		0.97	0.05	7.33e-05	0.0	120.0	0.10	-4.66	-0.11	5.37e-03	0.05	0.97
67	19	6.72	0.79	7.96e-04	-0.73	0.0	-2.35	-4.17	-0.52	7.57e-03	0.79	6.72
		1.07	0.16	-1.91e-03	0.0	120.0	-2.35	-4.90	-0.52	7.57e-03	0.16	1.07
67	28	6.40	0.13	7.28e-04	-0.73	0.0	-2.48	-4.36	-0.26	7.08e-03	0.13	6.40
		0.96	-0.24	-1.65e-03	0.0	120.0	-2.48	-5.09	-0.26	7.08e-03	-0.24	0.96
67	29	5.87	0.33	-5.76e-05	-0.73	0.0	2.68	-3.51	0.05	3.66e-03	0.22	5.87
		0.99	0.22	1.80e-03	0.0	120.0	2.68	-4.24	0.05	3.66e-03	0.33	0.99
67	35	6.66	1.25	4.72e-04	-0.73	0.0	-0.49	-3.61	-0.45	6.30e-03	1.25	6.66
		1.16	0.74	-3.74e-04	0.0	120.0	-0.49	-4.34	-0.45	6.30e-03	0.74	1.16

67	38	5.61	-0.65	2.47e-04	-0.73	0.0	0.70	-4.26	0.24	4.44e-03	-0.90	5.61
		0.79	-0.90	5.20e-04	0.0	120.0	0.70	-4.99	0.24	4.44e-03	-0.65	0.79
67	51	6.59	0.68	6.88e-04	-0.73	0.0	-1.75	-4.09	-0.43	7.04e-03	0.68	6.59
		1.06	0.16	-1.42e-03	0.0	120.0	-1.75	-4.82	-0.43	7.04e-03	0.16	1.06
67	60	6.32	0.10	6.41e-04	-0.73	0.0	-1.87	-4.27	-0.22	6.66e-03	0.10	6.32
		0.96	-0.21	-1.25e-03	0.0	120.0	-1.87	-5.00	-0.22	6.66e-03	-0.21	0.96
67	61	5.95	0.30	7.81e-05	-0.73	0.0	2.07	-3.60	4.90e-03	4.08e-03	0.25	5.95
		0.99	0.25	1.39e-03	0.0	120.0	2.07	-4.33	4.90e-03	4.08e-03	0.30	0.99
67	67	6.57	1.13	4.42e-04	-0.73	0.0	-0.33	-3.63	-0.39	6.09e-03	1.13	6.57
		1.14	0.68	-2.38e-04	0.0	120.0	-0.33	-4.36	-0.39	6.09e-03	0.68	1.14
67	70	5.69	-0.59	2.77e-04	-0.73	0.0	0.54	-4.24	0.18	4.65e-03	-0.78	5.69
		0.81	-0.78	3.85e-04	0.0	120.0	0.54	-4.97	0.18	4.65e-03	-0.59	0.81
67	83	6.54	0.63	6.52e-04	-0.73	0.0	-1.54	-4.07	-0.39	6.85e-03	0.63	6.54
		1.05	0.15	-1.25e-03	0.0	120.0	-1.54	-4.81	-0.39	6.85e-03	0.15	1.05
67	92	6.30	0.10	6.10e-04	-0.73	0.0	-1.65	-4.24	-0.21	6.52e-03	0.10	6.30
		0.96	-0.18	-1.10e-03	0.0	120.0	-1.65	-4.97	-0.21	6.52e-03	-0.18	0.96
67	93	5.97	0.28	1.09e-04	-0.73	0.0	1.85	-3.63	-8.10e-03	4.22e-03	0.25	5.97
		0.99	0.25	1.25e-03	0.0	120.0	1.85	-4.36	-8.10e-03	4.22e-03	0.28	0.99
67	99	6.53	1.04	4.32e-04	-0.73	0.0	-0.28	-3.66	-0.37	6.02e-03	1.04	6.53
		1.13	0.62	-2.01e-04	0.0	120.0	-0.28	-4.39	-0.37	6.02e-03	0.62	1.13
67	102	5.74	-0.53	2.87e-04	-0.73	0.0	0.49	-4.21	0.15	4.72e-03	-0.69	5.74
		0.82	-0.69	3.48e-04	0.0	120.0	0.49	-4.94	0.15	4.72e-03	-0.53	0.82
67	115	6.82	0.88	8.71e-04	-0.73	0.0	-2.77	-4.21	-0.59	7.94e-03	0.88	6.82
		1.08	0.17	-2.26e-03	0.0	120.0	-2.77	-4.94	-0.59	7.94e-03	0.17	1.08
67	124	6.44	0.13	7.87e-04	-0.73	0.0	-2.89	-4.42	-0.29	7.35e-03	0.13	6.44
		0.96	-0.28	-1.93e-03	0.0	120.0	-2.89	-5.15	-0.29	7.35e-03	-0.28	0.96
67	125	5.83	0.37	-8.91e-05	-0.73	0.0	3.10	-3.45	0.08	3.39e-03	0.22	5.83
		0.99	0.22	2.07e-03	0.0	120.0	3.10	-4.18	0.08	3.39e-03	0.37	0.99
67	131	6.74	1.39	4.93e-04	-0.73	0.0	-0.60	-3.57	-0.50	6.45e-03	1.39	6.74
		1.19	0.83	-4.59e-04	0.0	120.0	-0.60	-4.30	-0.50	6.45e-03	0.83	1.19
67	134	5.53	-0.73	2.26e-04	-0.73	0.0	0.80	-4.30	0.29	4.29e-03	-1.04	5.53
		0.76	-1.04	6.06e-04	0.0	120.0	0.80	-5.03	0.29	4.29e-03	-0.73	0.76
68	1	0.22	7.36e-03	1.57e-05	-0.08	0.0	0.09	-2.14	-0.07	2.85e-04	7.36e-03	0.22
		0.0	0.0	6.09e-06	0.0	10.0	0.09	-2.22	-0.07	2.85e-04	0.0	0.0
68	2	0.57	0.02	4.40e-05	-0.08	0.0	0.27	-5.62	-0.15	9.87e-04	0.02	0.57
		0.0	0.0	2.10e-05	0.0	10.0	0.27	-5.69	-0.15	9.87e-04	0.0	0.0
68	4	0.52	0.01	4.04e-05	-0.06	0.0	0.25	-5.12	-0.14	9.18e-04	0.01	0.52
		0.0	0.0	1.98e-05	0.0	10.0	0.25	-5.18	-0.14	9.18e-04	0.0	0.0
68	7	0.17	6.78e-03	1.21e-05	-0.06	0.0	0.07	-1.66	-0.07	2.09e-04	6.78e-03	0.17
		0.0	0.0	5.52e-06	0.0	10.0	0.07	-1.72	-0.07	2.09e-04	0.0	0.0
68	9	0.17	5.53e-03	1.20e-05	-0.06	0.0	0.07	-1.65	-0.06	2.21e-04	5.53e-03	0.17
		0.0	0.0	4.59e-06	0.0	10.0	0.07	-1.71	-0.06	2.21e-04	0.0	0.0
68	10	0.40	0.01	3.09e-05	-0.06	0.0	0.19	-3.96	-0.11	6.88e-04	0.01	0.40
		0.0	0.0	1.45e-05	0.0	10.0	0.19	-4.02	-0.11	6.88e-04	0.0	0.0
68	11	0.17	6.09e-03	1.21e-05	-0.06	0.0	0.07	-1.65	-0.06	2.15e-04	6.09e-03	0.17
		0.0	0.0	5.00e-06	0.0	10.0	0.07	-1.71	-0.06	2.15e-04	0.0	0.0
68	13	0.17	4.69e-03	1.20e-05	-0.06	0.0	0.07	-1.64	-0.05	2.29e-04	4.69e-03	0.17
		0.0	0.0	3.98e-06	0.0	10.0	0.07	-1.70	-0.05	2.29e-04	0.0	0.0
68	14	0.28	7.24e-03	2.15e-05	-0.06	0.0	0.13	-2.80	-0.07	4.63e-04	7.24e-03	0.28
		0.0	0.0	8.94e-06	0.0	10.0	0.13	-2.86	-0.07	4.63e-04	0.0	0.0
68	15	0.17	4.97e-03	1.20e-05	-0.06	0.0	0.07	-1.64	-0.05	2.26e-04	4.97e-03	0.17
		0.0	0.0	4.18e-06	0.0	10.0	0.07	-1.70	-0.05	2.26e-04	0.0	0.0
68	17	0.17	4.69e-03	1.20e-05	-0.06	0.0	0.07	-1.64	-0.05	2.29e-04	4.69e-03	0.17
		0.0	0.0	3.98e-06	0.0	10.0	0.07	-1.70	-0.05	2.29e-04	0.0	0.0
68	18	0.24	6.22e-03	1.77e-05	-0.06	0.0	0.10	-2.33	-0.06	3.69e-04	6.22e-03	0.24
		0.0	0.0	6.95e-06	0.0	10.0	0.10	-2.39	-0.06	3.69e-04	0.0	0.0
68	20	0.15	5.91e-05	1.73e-05	-0.06	0.0	-4.10	-1.47	-5.91e-04	-0.01	5.91e-05	0.15
		0.0	0.0	-1.67e-04	0.0	10.0	-4.10	-1.53	-5.91e-04	-0.01	0.0	0.0
68	21	0.32	0.01	1.81e-05	-0.06	0.0	4.31	-3.20	-0.12	0.01	0.01	0.32
		0.0	0.0	1.81e-04	0.0	10.0	4.31	-3.26	-0.12	0.01	0.0	0.0
68	22	0.34	0.04	1.89e-05	-0.06	0.0	4.21	-3.41	-0.42	0.01	0.04	0.34
		0.0	0.0	1.70e-04	0.0	10.0	4.21	-3.47	-0.42	0.01	0.0	0.0
68	35	0.17	0.0	1.60e-05	-0.06	0.0	-0.97	-1.68	0.49	-4.10e-03	-0.05	0.17
		0.0	-0.05	-2.59e-05	0.0	10.0	-0.97	-1.74	0.49	-4.10e-03	0.0	0.0
68	38	0.30	0.06	1.94e-05	-0.06	0.0	1.18	-2.99	-0.62	4.84e-03	0.06	0.30
		0.0	0.0	3.98e-05	0.0	10.0	1.18	-3.05	-0.62	4.84e-03	0.0	0.0
68	45	0.23	0.0	1.65e-05	-0.06	0.0	1.44	-2.28	0.18	4.66e-03	-0.02	0.23
		0.0	-0.02	7.78e-05	0.0	10.0	1.44	-2.34	0.18	4.66e-03	0.0	0.0
68	52	0.17	3.61e-03	1.75e-05	-0.06	0.0	-3.08	-1.70	-0.04	-9.69e-03	3.61e-03	0.17
		0.0	0.0	-1.25e-04	0.0	10.0	-3.08	-1.76	-0.04	-9.69e-03	0.0	0.0
68	53	0.30	8.84e-03	1.79e-05	-0.06	0.0	3.29	-2.97	-0.09	0.01	8.84e-03	0.30
		0.0	0.0	1.39e-04	0.0	10.0	3.29	-3.03	-0.09	0.01	0.0	0.0
68	54	0.32	0.04	1.87e-05	-0.06	0.0	3.20	-3.16	-0.36	0.01	0.04	0.32
		0.0	0.0	1.30e-04	0.0	10.0	3.20	-3.23	-0.36	0.01	0.0	0.0
68	67	0.18	0.0	1.62e-05	-0.06	0.0	-0.70	-1.79	0.43	-3.01e-03	-0.04	0.18

		0.0	-0.04	-1.49e-05	0.0	10.0	-0.70	-1.85	0.43	-3.01e-03	0.0	0.0
68	70	0.29	0.06	1.92e-05	-0.06	0.0	0.91	-2.88	-0.56	3.75e-03	0.06	0.29
		0.0	0.0	2.88e-05	0.0	10.0	0.91	-2.94	-0.56	3.75e-03	0.0	0.0
68	77	0.23	0.0	1.66e-05	-0.06	0.0	1.12	-2.25	0.17	3.61e-03	-0.02	0.23
		0.0	-0.02	6.36e-05	0.0	10.0	1.12	-2.31	0.17	3.61e-03	0.0	0.0
68	84	0.18	4.07e-03	1.75e-05	-0.06	0.0	-2.73	-1.77	-0.04	-8.58e-03	4.07e-03	0.18
		0.0	0.0	-1.11e-04	0.0	10.0	-2.73	-1.83	-0.04	-8.58e-03	0.0	0.0
68	85	0.29	8.38e-03	1.79e-05	-0.06	0.0	2.94	-2.90	-0.08	9.32e-03	8.38e-03	0.29
		0.0	0.0	1.25e-04	0.0	10.0	2.94	-2.96	-0.08	9.32e-03	0.0	0.0
68	86	0.31	0.03	1.86e-05	-0.06	0.0	2.86	-3.07	-0.33	9.49e-03	0.03	0.31
		0.0	0.0	1.16e-04	0.0	10.0	2.86	-3.13	-0.33	9.49e-03	0.0	0.0
68	99	0.19	0.0	1.63e-05	-0.06	0.0	-0.61	-1.84	0.39	-2.64e-03	-0.04	0.19
		0.0	-0.04	-1.22e-05	0.0	10.0	-0.61	-1.90	0.39	-2.64e-03	0.0	0.0
68	102	0.29	0.05	1.90e-05	-0.06	0.0	0.82	-2.82	-0.51	3.38e-03	0.05	0.29
		0.0	0.0	2.62e-05	0.0	10.0	0.82	-2.88	-0.51	3.38e-03	0.0	0.0
68	109	0.23	0.0	1.67e-05	-0.06	0.0	1.01	-2.25	0.15	3.26e-03	-0.01	0.23
		0.0	-0.01	5.76e-05	0.0	10.0	1.01	-2.31	0.15	3.26e-03	0.0	0.0
68	116	0.13	0.0	1.72e-05	-0.06	0.0	-4.83	-1.32	0.02	-0.02	-1.70e-03	0.13
		0.0	-1.70e-03	-1.97e-04	0.0	10.0	-4.83	-1.38	0.02	-0.02	0.0	0.0
68	117	0.34	0.01	1.81e-05	-0.06	0.0	5.03	-3.35	-0.14	0.02	0.01	0.34
		0.0	0.0	2.11e-04	0.0	10.0	5.03	-3.41	-0.14	0.02	0.0	0.0
68	118	0.36	0.05	1.91e-05	-0.06	0.0	4.92	-3.59	-0.47	0.02	0.05	0.36
		0.0	0.0	1.99e-04	0.0	10.0	4.92	-3.66	-0.47	0.02	0.0	0.0
68	131	0.16	0.0	1.57e-05	-0.06	0.0	-1.16	-1.58	0.57	-4.87e-03	-0.06	0.16
		0.0	-0.06	-3.25e-05	0.0	10.0	-1.16	-1.64	0.57	-4.87e-03	0.0	0.0
68	134	0.31	0.07	1.96e-05	-0.06	0.0	1.37	-3.08	-0.69	5.61e-03	0.07	0.31
		0.0	0.0	4.64e-05	0.0	10.0	1.37	-3.14	-0.69	5.61e-03	0.0	0.0
68	141	0.23	0.0	1.63e-05	-0.06	0.0	1.67	-2.29	0.21	5.39e-03	-0.02	0.23
		0.0	-0.02	8.90e-05	0.0	10.0	1.67	-2.35	0.21	5.39e-03	0.0	0.0
69	2	1.15	0.02	-4.24e-05	-0.08	0.0	0.27	11.59	0.19	9.87e-04	0.0	0.0
		0.0	0.0	2.22e-06	0.0	10.0	0.27	11.51	0.19	9.87e-04	0.02	1.15
69	3	0.26	6.86e-03	-1.15e-05	-0.06	0.0	0.07	2.61	0.07	2.17e-04	0.0	0.0
		0.0	0.0	2.15e-06	0.0	10.0	0.07	2.55	0.07	2.17e-04	6.86e-03	0.26
69	7	0.26	7.85e-03	-1.15e-05	-0.06	0.0	0.07	2.61	0.08	2.09e-04	0.0	0.0
		0.0	0.0	3.07e-06	0.0	10.0	0.07	2.55	0.08	2.09e-04	7.85e-03	0.26
69	9	0.26	6.37e-03	-1.15e-05	-0.06	0.0	0.07	2.61	0.06	2.21e-04	0.0	0.0
		0.0	0.0	1.69e-06	0.0	10.0	0.07	2.55	0.06	2.21e-04	6.37e-03	0.26
69	10	0.80	0.01	-2.98e-05	-0.06	0.0	0.19	8.07	0.13	6.88e-04	0.0	0.0
		0.0	0.0	1.59e-06	0.0	10.0	0.19	8.01	0.13	6.88e-04	0.01	0.80
69	11	0.26	7.03e-03	-1.15e-05	-0.06	0.0	0.07	2.61	0.07	2.15e-04	0.0	0.0
		0.0	0.0	2.31e-06	0.0	10.0	0.07	2.55	0.07	2.15e-04	7.03e-03	0.26
69	13	0.26	5.38e-03	-1.15e-05	-0.06	0.0	0.07	2.61	0.05	2.29e-04	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	0.07	2.55	0.05	2.29e-04	5.38e-03	0.26
69	14	0.53	8.87e-03	-2.06e-05	-0.06	0.0	0.13	5.34	0.09	4.63e-04	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	0.13	5.28	0.09	4.63e-04	8.87e-03	0.53
69	15	0.26	5.71e-03	-1.15e-05	-0.06	0.0	0.07	2.61	0.06	2.26e-04	0.0	0.0
		0.0	0.0	1.08e-06	0.0	10.0	0.07	2.55	0.06	2.26e-04	5.71e-03	0.26
69	17	0.26	5.38e-03	-1.15e-05	-0.06	0.0	0.07	2.61	0.05	2.29e-04	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	0.07	2.55	0.05	2.29e-04	5.38e-03	0.26
69	18	0.42	7.47e-03	-1.70e-05	-0.06	0.0	0.10	4.25	0.07	3.69e-04	0.0	0.0
		0.0	0.0	0.0	0.0	10.0	0.10	4.19	0.07	3.69e-04	7.47e-03	0.42
69	20	0.42	0.06	-1.70e-05	-0.06	0.0	2.63	4.24	0.60	-0.01	0.0	0.0
		0.0	0.0	-1.71e-04	0.0	10.0	2.63	4.18	0.60	-0.01	0.06	0.42
69	21	0.42	0.0	-1.69e-05	-0.06	0.0	-2.43	4.25	-0.45	0.01	0.0	0.0
		0.0	-0.05	1.72e-04	0.0	10.0	-2.43	4.19	-0.45	0.01	-0.05	0.42
69	38	0.44	0.05	-1.84e-05	-0.06	0.0	-0.54	4.42	0.51	4.84e-03	0.0	0.0
		0.0	0.0	7.64e-05	0.0	10.0	-0.54	4.36	0.51	4.84e-03	0.05	0.44
69	43	0.40	0.0	-1.55e-05	-0.06	0.0	0.80	4.08	-0.57	-3.41e-03	0.0	0.0
		0.0	-0.06	-7.21e-05	0.0	10.0	0.80	4.02	-0.57	-3.41e-03	-0.06	0.40
69	44	0.44	0.09	-1.82e-05	-0.06	0.0	0.91	4.38	0.94	-3.92e-03	0.0	0.0
		0.0	0.0	-3.35e-05	0.0	10.0	0.91	4.32	0.94	-3.92e-03	0.09	0.44
69	45	0.41	0.0	-1.57e-05	-0.06	0.0	-0.70	4.11	-0.79	4.66e-03	0.0	0.0
		0.0	-0.08	3.50e-05	0.0	10.0	-0.70	4.05	-0.79	4.66e-03	-0.08	0.41
69	52	0.42	0.05	-1.71e-05	-0.06	0.0	2.02	4.25	0.49	-9.69e-03	0.0	0.0
		0.0	0.0	-1.28e-04	0.0	10.0	2.02	4.19	0.49	-9.69e-03	0.05	0.42
69	53	0.42	0.0	-1.68e-05	-0.06	0.0	-1.81	4.25	-0.34	0.01	0.0	0.0
		0.0	-0.03	1.29e-04	0.0	10.0	-1.81	4.19	-0.34	0.01	-0.03	0.42
69	70	0.44	0.05	-1.83e-05	-0.06	0.0	-0.38	4.40	0.46	3.75e-03	0.0	0.0
		0.0	0.0	6.15e-05	0.0	10.0	-0.38	4.34	0.46	3.75e-03	0.05	0.44
69	75	0.41	0.0	-1.57e-05	-0.06	0.0	0.63	4.10	-0.49	-2.48e-03	0.0	0.0
		0.0	-0.05	-5.73e-05	0.0	10.0	0.63	4.04	-0.49	-2.48e-03	-0.05	0.41
69	76	0.43	0.08	-1.81e-05	-0.06	0.0	0.71	4.37	0.80	-2.88e-03	0.0	0.0
		0.0	0.0	-2.21e-05	0.0	10.0	0.71	4.30	0.80	-2.88e-03	0.08	0.43
69	77	0.41	0.0	-1.58e-05	-0.06	0.0	-0.51	4.13	-0.66	3.61e-03	0.0	0.0
		0.0	-0.07	2.35e-05	0.0	10.0	-0.51	4.07	-0.66	3.61e-03	-0.07	0.41

69	84	0.42	0.04	-1.71e-05	-0.06	0.0	1.81	4.25	0.45	-8.58e-03	0.0	0.0
		0.0	0.0	-1.14e-04	0.0	10.0	1.81	4.19	0.45	-8.58e-03	0.04	0.42
69	85	0.42	0.0	-1.69e-05	-0.06	0.0	-1.60	4.25	-0.30	9.32e-03	0.0	0.0
		0.0	-0.03	1.15e-04	0.0	10.0	-1.60	4.18	-0.30	9.32e-03	-0.03	0.42
69	102	0.44	0.04	-1.81e-05	-0.06	0.0	-0.33	4.38	0.42	3.38e-03	0.0	0.0
		0.0	0.0	5.51e-05	0.0	10.0	-0.33	4.32	0.42	3.38e-03	0.04	0.44
69	107	0.41	0.0	-1.58e-05	-0.06	0.0	0.57	4.12	-0.43	-2.17e-03	0.0	0.0
		0.0	-0.04	-5.12e-05	0.0	10.0	0.57	4.05	-0.43	-2.17e-03	-0.04	0.41
69	108	0.43	0.07	-1.80e-05	-0.06	0.0	0.65	4.35	0.73	-2.52e-03	0.0	0.0
		0.0	0.0	-1.93e-05	0.0	10.0	0.65	4.29	0.73	-2.52e-03	0.07	0.43
69	109	0.41	0.0	-1.59e-05	-0.06	0.0	-0.44	4.14	-0.58	3.26e-03	0.0	0.0
		0.0	-0.06	2.07e-05	0.0	10.0	-0.44	4.08	-0.58	3.26e-03	-0.06	0.41
69	116	0.42	0.07	-1.70e-05	-0.06	0.0	3.07	4.24	0.69	-0.02	0.0	0.0
		0.0	0.0	-2.01e-04	0.0	10.0	3.07	4.18	0.69	-0.02	0.07	0.42
69	117	0.42	0.0	-1.69e-05	-0.06	0.0	-2.86	4.26	-0.54	0.02	0.0	0.0
		0.0	-0.05	2.02e-04	0.0	10.0	-2.86	4.19	-0.54	0.02	-0.05	0.42
69	134	0.44	0.06	-1.86e-05	-0.06	0.0	-0.66	4.45	0.57	5.61e-03	0.0	0.0
		0.0	0.0	8.82e-05	0.0	10.0	-0.66	4.39	0.57	5.61e-03	0.06	0.44
69	139	0.40	0.0	-1.53e-05	-0.06	0.0	0.92	4.05	-0.66	-4.07e-03	0.0	0.0
		0.0	-0.07	-8.36e-05	0.0	10.0	0.92	3.99	-0.66	-4.07e-03	-0.07	0.40
69	140	0.44	0.11	-1.84e-05	-0.06	0.0	1.05	4.40	1.07	-4.65e-03	0.0	0.0
		0.0	0.0	-4.04e-05	0.0	10.0	1.05	4.34	1.07	-4.65e-03	0.11	0.44
69	141	0.41	0.0	-1.55e-05	-0.06	0.0	-0.84	4.09	-0.92	5.39e-03	0.0	0.0
		0.0	-0.09	4.18e-05	0.0	10.0	-0.84	4.03	-0.92	5.39e-03	-0.09	0.41
70	2	5.89	0.43	-3.35e-04	-0.95	0.0	0.27	4.41	0.35	9.87e-04	0.02	1.16
		1.16	0.02	5.38e-05	0.0	120.0	0.27	3.46	0.35	9.87e-04	0.43	5.89
70	3	1.52	0.07	-9.17e-05	-0.73	0.0	0.07	1.42	0.05	2.17e-04	6.86e-03	0.26
		0.26	6.86e-03	3.04e-05	0.0	120.0	0.07	0.69	0.05	2.17e-04	0.07	1.52
70	9	1.52	0.07	-9.16e-05	-0.73	0.0	0.07	1.42	0.05	2.21e-04	6.37e-03	0.26
		0.26	6.37e-03	2.49e-05	0.0	120.0	0.07	0.69	0.05	2.21e-04	0.07	1.52
70	10	4.13	0.30	-2.35e-04	-0.73	0.0	0.19	3.13	0.24	6.88e-04	0.01	0.81
		0.81	0.01	3.77e-05	0.0	120.0	0.19	2.40	0.24	6.88e-04	0.30	4.13
70	13	1.52	0.07	-9.14e-05	-0.73	0.0	0.07	1.42	0.05	2.29e-04	5.38e-03	0.26
		0.26	5.38e-03	1.39e-05	0.0	120.0	0.07	0.68	0.05	2.29e-04	0.07	1.52
70	14	2.82	0.19	-1.63e-04	-0.73	0.0	0.13	2.27	0.15	4.63e-04	8.87e-03	0.54
		0.54	8.87e-03	2.03e-05	0.0	120.0	0.13	1.54	0.15	4.63e-04	0.19	2.82
70	17	1.52	0.07	-9.14e-05	-0.73	0.0	0.07	1.42	0.05	2.29e-04	5.38e-03	0.26
		0.26	5.38e-03	1.39e-05	0.0	120.0	0.07	0.68	0.05	2.29e-04	0.07	1.52
70	18	2.30	0.14	-1.34e-04	-0.73	0.0	0.10	1.93	0.11	3.69e-04	7.47e-03	0.42
		0.42	7.47e-03	1.78e-05	0.0	120.0	0.10	1.20	0.11	3.69e-04	0.14	2.30
70	20	2.28	0.06	-1.28e-04	-0.73	0.0	0.48	1.92	-0.03	-0.01	0.06	0.42
		0.42	0.02	-2.04e-03	0.0	120.0	0.48	1.19	-0.03	-0.01	0.02	2.28
70	21	2.32	0.25	-1.41e-04	-0.73	0.0	-0.28	1.94	0.25	0.01	-0.05	0.43
		0.43	-0.05	2.08e-03	0.0	120.0	-0.28	1.21	0.25	0.01	0.25	2.32
70	35	2.09	1.32	-1.18e-04	-0.73	0.0	0.20	1.77	1.13	-4.10e-03	-0.04	0.41
		0.41	-0.04	-8.37e-04	0.0	120.0	0.20	1.04	1.13	-4.10e-03	1.32	2.09
70	38	2.51	0.05	-1.51e-04	-0.73	0.0	9.00e-03	2.09	-0.91	4.84e-03	0.05	0.44
		0.44	-1.04	8.72e-04	0.0	120.0	9.00e-03	1.36	-0.91	4.84e-03	-1.04	2.51
70	52	2.29	0.05	-1.30e-04	-0.73	0.0	0.39	1.93	-0.04	-9.69e-03	0.05	0.42
		0.42	2.60e-03	-1.53e-03	0.0	120.0	0.39	1.19	-0.04	-9.69e-03	2.60e-03	2.29
70	53	2.31	0.28	-1.39e-04	-0.73	0.0	-0.18	1.93	0.26	0.01	-0.03	0.43
		0.43	-0.03	1.56e-03	0.0	120.0	-0.18	1.20	0.26	0.01	0.28	2.31
70	67	2.12	1.20	-1.21e-04	-0.73	0.0	0.17	1.79	1.02	-3.01e-03	-0.03	0.41
		0.41	-0.03	-6.62e-04	0.0	120.0	0.17	1.06	1.02	-3.01e-03	1.20	2.12
70	70	2.48	0.05	-1.48e-04	-0.73	0.0	0.03	2.07	-0.80	3.75e-03	0.05	0.44
		0.44	-0.92	6.98e-04	0.0	120.0	0.03	1.34	-0.80	3.75e-03	-0.92	2.48
70	84	2.29	0.04	-1.31e-04	-0.73	0.0	0.36	1.93	-0.02	-8.58e-03	0.04	0.42
		0.42	0.01	-1.36e-03	0.0	120.0	0.36	1.20	-0.02	-8.58e-03	0.01	2.29
70	85	2.31	0.27	-1.38e-04	-0.73	0.0	-0.15	1.93	0.24	9.32e-03	-0.03	0.43
		0.43	-0.03	1.39e-03	0.0	120.0	-0.15	1.20	0.24	9.32e-03	0.27	2.31
70	99	2.14	1.10	-1.22e-04	-0.73	0.0	0.17	1.81	0.93	-2.64e-03	-0.03	0.41
		0.41	-0.03	-5.90e-04	0.0	120.0	0.17	1.07	0.93	-2.64e-03	1.10	2.14
70	102	2.46	0.04	-1.47e-04	-0.73	0.0	0.04	2.05	-0.71	3.38e-03	0.04	0.44
		0.44	-0.82	6.25e-04	0.0	120.0	0.04	1.32	-0.71	3.38e-03	-0.82	2.46
70	116	2.28	0.07	-1.27e-04	-0.73	0.0	0.55	1.91	-0.04	-0.02	0.07	0.42
		0.42	0.02	-2.40e-03	0.0	120.0	0.55	1.18	-0.04	-0.02	0.02	2.28
70	117	2.33	0.26	-1.42e-04	-0.73	0.0	-0.34	1.95	0.26	0.02	-0.05	0.43
		0.43	-0.05	2.43e-03	0.0	120.0	-0.34	1.21	0.26	0.02	0.26	2.33
70	131	2.07	1.47	-1.16e-04	-0.73	0.0	0.21	1.75	1.25	-4.87e-03	-0.04	0.40
		0.40	-0.04	-9.73e-04	0.0	120.0	0.21	1.02	1.25	-4.87e-03	1.47	2.07
70	134	2.54	0.06	-1.53e-04	-0.73	0.0	-7.65e-03	2.11	-1.03	5.61e-03	0.06	0.45
		0.45	-1.19	1.01e-03	0.0	120.0	-7.65e-03	1.38	-1.03	5.61e-03	-1.19	2.54
71	2	5.89	0.53	1.53e-05	-0.32	0.0	0.27	-1.17	0.23	9.87e-04	0.43	5.89
		5.36	0.43	4.36e-05	0.0	40.0	0.27	-1.48	0.23	9.87e-04	0.53	5.36
71	3	1.52	0.07	3.07e-06	-0.24	0.0	0.07	-0.10	6.49e-03	2.17e-04	0.07	1.52

		1.43	0.07	1.41e-05	0.0	40.0	0.07	-0.35	6.49e-03	2.17e-04	0.07	1.43
71	7	1.53	0.06	3.05e-06	-0.24	0.0	0.07	-0.10	-0.02	2.09e-04	0.06	1.53
		1.44	0.05	1.75e-05	0.0	40.0	0.07	-0.35	-0.02	2.09e-04	0.05	1.44
71	9	1.52	0.08	3.07e-06	-0.24	0.0	0.07	-0.11	0.02	2.21e-04	0.07	1.52
		1.43	0.07	1.23e-05	0.0	40.0	0.07	-0.35	0.02	2.21e-04	0.08	1.43
71	10	4.13	0.36	1.06e-05	-0.24	0.0	0.19	-0.79	0.16	6.88e-04	0.30	4.13
		3.77	0.30	3.03e-05	0.0	40.0	0.19	-1.04	0.16	6.88e-04	0.36	3.77
71	11	1.53	0.07	3.07e-06	-0.24	0.0	0.07	-0.10	1.62e-03	2.15e-04	0.07	1.53
		1.43	0.07	1.46e-05	0.0	40.0	0.07	-0.35	1.62e-03	2.15e-04	0.07	1.43
71	13	1.52	0.09	3.09e-06	-0.24	0.0	0.07	-0.11	0.05	2.29e-04	0.07	1.52
		1.43	0.07	8.88e-06	0.0	40.0	0.07	-0.35	0.05	2.29e-04	0.09	1.43
71	14	2.82	0.23	6.86e-06	-0.24	0.0	0.13	-0.45	0.12	4.63e-04	0.19	2.82
		2.60	0.19	1.78e-05	0.0	40.0	0.13	-0.70	0.12	4.63e-04	0.23	2.60
71	15	1.52	0.09	3.08e-06	-0.24	0.0	0.07	-0.11	0.04	2.26e-04	0.07	1.52
		1.43	0.07	1.00e-05	0.0	40.0	0.07	-0.35	0.04	2.26e-04	0.09	1.43
71	17	1.52	0.09	3.09e-06	-0.24	0.0	0.07	-0.11	0.05	2.29e-04	0.07	1.52
		1.43	0.07	8.88e-06	0.0	40.0	0.07	-0.35	0.05	2.29e-04	0.09	1.43
71	18	2.30	0.18	5.35e-06	-0.24	0.0	0.10	-0.31	0.09	3.69e-04	0.14	2.30
		2.13	0.14	1.43e-05	0.0	40.0	0.10	-0.56	0.09	3.69e-04	0.18	2.13
71	19	2.17	0.81	6.94e-06	-0.24	0.0	-1.14	-0.40	0.31	-0.01	0.69	2.17
		1.96	0.69	-6.84e-04	0.0	40.0	-1.14	-0.65	0.31	-0.01	0.81	1.96
71	22	2.44	-0.41	3.76e-06	-0.24	0.0	1.35	-0.23	-0.12	0.01	-0.41	2.44
		2.30	-0.46	7.12e-04	0.0	40.0	1.35	-0.47	-0.12	0.01	-0.46	2.30
71	35	2.09	1.46	6.29e-06	-0.24	0.0	-0.32	-0.44	0.35	-4.10e-03	1.32	2.09
		1.87	1.32	-2.06e-04	0.0	40.0	-0.32	-0.69	0.35	-4.10e-03	1.46	1.87
71	38	2.51	-1.04	4.41e-06	-0.24	0.0	0.53	-0.19	-0.17	4.84e-03	-1.04	2.51
		2.39	-1.11	2.35e-04	0.0	40.0	0.53	-0.43	-0.17	4.84e-03	-1.11	2.39
71	51	2.19	0.71	6.57e-06	-0.24	0.0	-0.84	-0.39	0.27	-9.89e-03	0.61	2.19
		1.99	0.61	-5.14e-04	0.0	40.0	-0.84	-0.63	0.27	-9.89e-03	0.71	1.99
71	54	2.41	-0.33	4.12e-06	-0.24	0.0	1.05	-0.24	-0.08	0.01	-0.33	2.41
		2.27	-0.36	5.42e-04	0.0	40.0	1.05	-0.49	-0.08	0.01	-0.36	2.27
71	67	2.12	1.32	6.14e-06	-0.24	0.0	-0.22	-0.43	0.32	-3.01e-03	1.20	2.12
		1.90	1.20	-1.54e-04	0.0	40.0	-0.22	-0.67	0.32	-3.01e-03	1.32	1.90
71	70	2.48	-0.92	4.55e-06	-0.24	0.0	0.42	-0.20	-0.14	3.75e-03	-0.92	2.48
		2.35	-0.97	1.82e-04	0.0	40.0	0.42	-0.44	-0.14	3.75e-03	-0.97	2.35
71	83	2.21	0.66	6.44e-06	-0.24	0.0	-0.74	-0.38	0.25	-8.76e-03	0.56	2.21
		2.01	0.56	-4.55e-04	0.0	40.0	-0.74	-0.62	0.25	-8.76e-03	0.66	2.01
71	86	2.40	-0.28	4.26e-06	-0.24	0.0	0.94	-0.25	-0.06	9.49e-03	-0.28	2.40
		2.25	-0.30	4.84e-04	0.0	40.0	0.94	-0.49	-0.06	9.49e-03	-0.30	2.25
71	99	2.14	1.21	6.06e-06	-0.24	0.0	-0.18	-0.42	0.30	-2.64e-03	1.10	2.14
		1.93	1.10	-1.35e-04	0.0	40.0	-0.18	-0.66	0.30	-2.64e-03	1.21	1.93
71	102	2.47	-0.82	4.63e-06	-0.24	0.0	0.39	-0.21	-0.11	3.38e-03	-0.82	2.47
		2.33	-0.86	1.64e-04	0.0	40.0	0.39	-0.45	-0.11	3.38e-03	-0.86	2.33
71	115	2.15	0.91	7.20e-06	-0.24	0.0	-1.36	-0.42	0.34	-0.02	0.77	2.15
		1.93	0.77	-8.04e-04	0.0	40.0	-1.36	-0.66	0.34	-0.02	0.91	1.93
71	118	2.46	-0.49	3.49e-06	-0.24	0.0	1.56	-0.21	-0.16	0.02	-0.49	2.46
		2.32	-0.55	8.32e-04	0.0	40.0	1.56	-0.46	-0.16	0.02	-0.55	2.32
71	131	2.06	1.62	6.42e-06	-0.24	0.0	-0.39	-0.46	0.38	-4.87e-03	1.47	2.06
		1.84	1.47	-2.43e-04	0.0	40.0	-0.39	-0.70	0.38	-4.87e-03	1.62	1.84
71	134	2.54	-1.19	4.27e-06	-0.24	0.0	0.60	-0.17	-0.20	5.61e-03	-1.19	2.54
		2.42	-1.27	2.72e-04	0.0	40.0	0.60	-0.41	-0.20	5.61e-03	-1.27	2.42
72	2	5.36	0.53	3.90e-04	-0.95	0.0	0.27	-3.52	-0.43	9.87e-04	0.53	5.36
		0.58	0.02	2.20e-04	0.0	120.0	0.27	-4.47	-0.43	9.87e-04	0.02	0.58
72	3	1.43	0.07	1.04e-04	-0.73	0.0	0.07	-0.69	-0.05	2.17e-04	0.07	1.43
		0.17	5.95e-03	5.42e-05	0.0	120.0	0.07	-1.42	-0.05	2.17e-04	5.95e-03	0.17
72	9	1.43	0.08	1.04e-04	-0.73	0.0	0.07	-0.69	-0.06	2.21e-04	0.08	1.43
		0.17	5.53e-03	5.01e-05	0.0	120.0	0.07	-1.42	-0.06	2.21e-04	5.53e-03	0.17
72	10	3.77	0.36	2.74e-04	-0.73	0.0	0.19	-2.43	-0.29	6.88e-04	0.36	3.77
		0.41	0.01	1.52e-04	0.0	120.0	0.19	-3.17	-0.29	6.88e-04	0.01	0.41
72	13	1.43	0.09	1.04e-04	-0.73	0.0	0.07	-0.68	-0.07	2.29e-04	0.09	1.43
		0.17	4.69e-03	4.20e-05	0.0	120.0	0.07	-1.41	-0.07	2.29e-04	4.69e-03	0.17
72	14	2.59	0.23	1.89e-04	-0.73	0.0	0.13	-1.56	-0.19	4.63e-04	0.23	2.59
		0.29	7.24e-03	9.30e-05	0.0	120.0	0.13	-2.29	-0.19	4.63e-04	7.24e-03	0.29
72	17	1.43	0.09	1.04e-04	-0.73	0.0	0.07	-0.68	-0.07	2.29e-04	0.09	1.43
		0.17	4.69e-03	4.20e-05	0.0	120.0	0.07	-1.41	-0.07	2.29e-04	4.69e-03	0.17
72	18	2.13	0.18	1.55e-04	-0.73	0.0	0.10	-1.21	-0.14	3.69e-04	0.18	2.13
		0.24	6.22e-03	7.26e-05	0.0	120.0	0.10	-1.94	-0.14	3.69e-04	6.22e-03	0.24
72	19	1.95	0.81	1.47e-04	-0.73	0.0	-2.79	-1.15	-0.70	-0.01	0.81	1.95
		0.14	-0.03	-1.92e-03	0.0	120.0	-2.79	-1.88	-0.70	-0.01	-0.03	0.14
72	22	2.30	0.04	1.62e-04	-0.73	0.0	3.00	-1.27	0.42	0.01	-0.46	2.30
		0.34	-0.46	2.06e-03	0.0	120.0	3.00	-2.00	0.42	0.01	0.04	0.34
72	35	1.87	1.46	1.41e-04	-0.73	0.0	-0.87	-1.04	-1.25	-4.10e-03	1.46	1.87
		0.18	-0.05	-3.81e-04	0.0	120.0	-0.87	-1.78	-1.25	-4.10e-03	-0.05	0.18
72	38	2.39	0.06	1.68e-04	-0.73	0.0	1.08	-1.37	0.97	4.84e-03	-1.11	2.39
		0.30	-1.11	5.26e-04	0.0	120.0	1.08	-2.10	0.97	4.84e-03	0.06	0.30

72	51	1.99	0.71	1.49e-04	-0.73	0.0	-2.09	-1.16	-0.61	-9.89e-03	0.71	1.99
		0.16	-0.02	-1.42e-03	0.0	120.0	-2.09	-1.89	-0.61	-9.89e-03	-0.02	0.16
72	54	2.27	0.04	1.61e-04	-0.73	0.0	2.30	-1.26	0.33	0.01	-0.36	2.27
		0.32	-0.36	1.57e-03	0.0	120.0	2.30	-1.99	0.33	0.01	0.04	0.32
72	67	1.90	1.32	1.43e-04	-0.73	0.0	-0.64	-1.06	-1.14	-3.01e-03	1.32	1.90
		0.19	-0.04	-2.44e-04	0.0	120.0	-0.64	-1.80	-1.14	-3.01e-03	-0.04	0.19
72	70	2.35	0.06	1.67e-04	-0.73	0.0	0.85	-1.35	0.86	3.75e-03	-0.97	2.35
		0.29	-0.97	3.90e-04	0.0	120.0	0.85	-2.08	0.86	3.75e-03	0.06	0.29
72	83	2.00	0.66	1.49e-04	-0.73	0.0	-1.85	-1.16	-0.56	-8.76e-03	0.66	2.00
		0.17	-0.02	-1.26e-03	0.0	120.0	-1.85	-1.89	-0.56	-8.76e-03	-0.02	0.17
72	86	2.25	0.03	1.60e-04	-0.73	0.0	2.05	-1.25	0.28	9.49e-03	-0.30	2.25
		0.31	-0.30	1.40e-03	0.0	120.0	2.05	-1.99	0.28	9.49e-03	0.03	0.31
72	99	1.93	1.21	1.44e-04	-0.73	0.0	-0.56	-1.08	-1.04	-2.64e-03	1.21	1.93
		0.19	-0.04	-2.07e-04	0.0	120.0	-0.56	-1.81	-1.04	-2.64e-03	-0.04	0.19
72	102	2.33	0.05	1.65e-04	-0.73	0.0	0.77	-1.34	0.76	3.38e-03	-0.86	2.33
		0.29	-0.86	3.52e-04	0.0	120.0	0.77	-2.07	0.76	3.38e-03	0.05	0.29
72	115	1.93	0.91	1.46e-04	-0.73	0.0	-3.29	-1.14	-0.78	-0.02	0.91	1.93
		0.12	-0.04	-2.26e-03	0.0	120.0	-3.29	-1.87	-0.78	-0.02	-0.04	0.12
72	118	2.33	0.05	1.63e-04	-0.73	0.0	3.50	-1.28	0.50	0.02	-0.55	2.33
		0.36	-0.55	2.41e-03	0.0	120.0	3.50	-2.01	0.50	0.02	0.05	0.36
72	131	1.83	1.62	1.39e-04	-0.73	0.0	-1.04	-1.02	-1.40	-4.87e-03	1.62	1.83
		0.17	-0.06	-4.67e-04	0.0	120.0	-1.04	-1.75	-1.40	-4.87e-03	-0.06	0.17
72	134	2.42	0.07	1.70e-04	-0.73	0.0	1.25	-1.39	1.11	5.61e-03	-1.27	2.42
		0.31	-1.27	6.12e-04	0.0	120.0	1.25	-2.12	1.11	5.61e-03	0.07	0.31
95	2	0.22	0.0	-8.45e-05	-1.19	0.0	-0.43	0.59	0.0	1.21e-03	0.0	0.0
		0.0	0.0	2.31e-04	0.0	150.0	-0.43	-0.59	0.0	1.21e-03	0.0	0.0
95	3	0.17	0.0	-3.10e-05	-0.91	0.0	-0.11	0.46	0.0	3.37e-04	0.0	0.0
		0.0	0.0	6.57e-05	0.0	150.0	-0.11	-0.46	0.0	3.37e-04	0.0	0.0
95	4	0.17	0.0	-7.66e-05	-0.91	0.0	-0.40	0.46	0.0	1.13e-03	0.0	0.0
		0.0	0.0	2.16e-04	0.0	150.0	-0.40	-0.46	0.0	1.13e-03	0.0	0.0
95	5	0.22	0.0	-4.20e-05	-1.19	0.0	-0.15	0.59	0.0	4.66e-04	0.0	0.0
		0.0	0.0	9.13e-05	0.0	150.0	-0.15	-0.59	0.0	4.66e-04	0.0	0.0
95	9	0.17	0.0	-2.95e-05	-0.91	0.0	-0.11	0.46	0.0	3.11e-04	0.0	0.0
		0.0	0.0	6.02e-05	0.0	150.0	-0.11	-0.46	0.0	3.11e-04	0.0	0.0
95	10	0.17	0.0	-5.99e-05	-0.91	0.0	-0.30	0.46	0.0	8.43e-04	0.0	0.0
		0.0	0.0	1.60e-04	0.0	150.0	-0.30	-0.46	0.0	8.43e-04	0.0	0.0
95	11	0.17	0.0	-3.15e-05	-0.91	0.0	-0.11	0.46	0.0	3.45e-04	0.0	0.0
		0.0	0.0	6.75e-05	0.0	150.0	-0.11	-0.46	0.0	3.45e-04	0.0	0.0
95	13	0.17	0.0	-2.65e-05	-0.91	0.0	-0.11	0.46	0.0	2.60e-04	0.0	0.0
		0.0	0.0	4.94e-05	0.0	150.0	-0.11	-0.46	0.0	2.60e-04	0.0	0.0
95	14	0.17	0.0	-4.17e-05	-0.91	0.0	-0.20	0.46	0.0	5.26e-04	0.0	0.0
		0.0	0.0	9.95e-05	0.0	150.0	-0.20	-0.46	0.0	5.26e-04	0.0	0.0
95	15	0.17	0.0	-2.75e-05	-0.91	0.0	-0.11	0.46	0.0	2.77e-04	0.0	0.0
		0.0	0.0	5.30e-05	0.0	150.0	-0.11	-0.46	0.0	2.77e-04	0.0	0.0
95	17	0.17	0.0	-2.65e-05	-0.91	0.0	-0.11	0.46	0.0	2.60e-04	0.0	0.0
		0.0	0.0	4.94e-05	0.0	150.0	-0.11	-0.46	0.0	2.60e-04	0.0	0.0
95	18	0.17	0.0	-3.56e-05	-0.91	0.0	-0.17	0.46	0.0	4.20e-04	0.0	0.0
		0.0	0.0	7.94e-05	0.0	150.0	-0.17	-0.46	0.0	4.20e-04	0.0	0.0
95	20	0.17	0.0	-6.19e-04	-0.91	0.0	3.44	0.46	0.0	-0.06	0.0	0.0
		0.0	0.0	-3.39e-03	0.0	150.0	3.44	-0.46	0.0	-0.06	0.0	0.0
95	24	0.17	0.0	-6.19e-04	-0.91	0.0	3.47	0.46	0.0	-0.06	0.0	0.0
		0.0	0.0	-3.44e-03	0.0	150.0	3.47	-0.46	0.0	-0.06	0.0	0.0
95	25	0.17	0.0	5.47e-04	-0.91	0.0	-3.80	0.46	0.0	0.06	0.0	0.0
		0.0	0.0	3.60e-03	0.0	150.0	-3.80	-0.46	0.0	0.06	0.0	0.0
95	31	0.17	0.0	-4.58e-04	-0.91	0.0	1.78	0.46	0.0	-0.09	0.0	0.0
		0.0	0.0	-2.77e-03	0.0	150.0	1.78	-0.46	0.0	-0.09	0.0	0.0
95	34	0.17	0.0	3.87e-04	-0.91	0.0	-2.11	0.46	0.0	0.09	0.0	0.0
		0.0	0.0	2.93e-03	0.0	150.0	-2.11	-0.46	0.0	0.09	0.0	0.0
95	52	0.17	0.0	-4.81e-04	-0.91	0.0	2.59	0.46	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.54e-03	0.0	150.0	2.59	-0.46	0.0	-0.04	0.0	0.0
95	56	0.17	0.0	-4.81e-04	-0.91	0.0	2.61	0.46	0.0	-0.05	0.0	0.0
		0.0	0.0	-2.58e-03	0.0	150.0	2.61	-0.46	0.0	-0.05	0.0	0.0
95	57	0.17	0.0	4.10e-04	-0.91	0.0	-2.95	0.46	0.0	0.05	0.0	0.0
		0.0	0.0	2.74e-03	0.0	150.0	-2.95	-0.46	0.0	0.05	0.0	0.0
95	63	0.17	0.0	-3.52e-04	-0.91	0.0	1.29	0.46	0.0	-0.07	0.0	0.0
		0.0	0.0	-2.09e-03	0.0	150.0	1.29	-0.46	0.0	-0.07	0.0	0.0
95	66	0.17	0.0	2.81e-04	-0.91	0.0	-1.62	0.46	0.0	0.07	0.0	0.0
		0.0	0.0	2.25e-03	0.0	150.0	-1.62	-0.46	0.0	0.07	0.0	0.0
95	84	0.17	0.0	-4.32e-04	-0.91	0.0	2.29	0.46	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.25e-03	0.0	150.0	2.29	-0.46	0.0	-0.04	0.0	0.0
95	88	0.17	0.0	-4.32e-04	-0.91	0.0	2.31	0.46	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.29e-03	0.0	150.0	2.31	-0.46	0.0	-0.04	0.0	0.0
95	89	0.17	0.0	3.61e-04	-0.91	0.0	-2.64	0.46	0.0	0.04	0.0	0.0
		0.0	0.0	2.45e-03	0.0	150.0	-2.64	-0.46	0.0	0.04	0.0	0.0
95	95	0.17	0.0	-3.17e-04	-0.91	0.0	1.12	0.46	0.0	-0.06	0.0	0.0

		0.0	0.0	-1.85e-03	0.0	150.0	1.12	-0.46	0.0	-0.06	0.0	0.0
95	98	0.17	0.0	2.46e-04	-0.91	0.0	-1.45	0.46	0.0	0.06	0.0	0.0
		0.0	0.0	2.01e-03	0.0	150.0	-1.45	-0.46	0.0	0.06	0.0	0.0
95	116	0.17	0.0	-7.18e-04	-0.91	0.0	4.05	0.46	0.0	-0.07	0.0	0.0
		0.0	0.0	-3.99e-03	0.0	150.0	4.05	-0.46	0.0	-0.07	0.0	0.0
95	120	0.17	0.0	-7.18e-04	-0.91	0.0	4.08	0.46	0.0	-0.07	0.0	0.0
		0.0	0.0	-4.05e-03	0.0	150.0	4.08	-0.46	0.0	-0.07	0.0	0.0
95	121	0.17	0.0	6.46e-04	-0.91	0.0	-4.41	0.46	0.0	0.07	0.0	0.0
		0.0	0.0	4.21e-03	0.0	150.0	-4.41	-0.46	0.0	0.07	0.0	0.0
95	127	0.17	0.0	-5.27e-04	-0.91	0.0	2.11	0.46	0.0	-0.10	0.0	0.0
		0.0	0.0	-3.23e-03	0.0	150.0	2.11	-0.46	0.0	-0.10	0.0	0.0
95	130	0.17	0.0	4.56e-04	-0.91	0.0	-2.44	0.46	0.0	0.10	0.0	0.0
		0.0	0.0	3.39e-03	0.0	150.0	-2.44	-0.46	0.0	0.10	0.0	0.0
96	1	1.08	0.0	-1.00e-04	-2.61	0.0	1.19	1.31	0.0	2.69e-04	0.0	0.0
		0.0	0.0	1.81e-04	0.0	330.0	1.19	-1.31	0.0	2.69e-04	0.0	0.0
96	2	1.08	0.0	-1.11e-04	-2.61	0.0	2.78	1.31	0.0	7.20e-04	0.0	0.0
		0.0	0.0	5.18e-04	0.0	330.0	2.78	-1.31	0.0	7.20e-04	0.0	0.0
96	3	0.83	0.0	-7.61e-05	-2.01	0.0	0.97	1.01	0.0	2.25e-04	0.0	0.0
		0.0	0.0	1.47e-04	0.0	330.0	0.97	-1.01	0.0	2.25e-04	0.0	0.0
96	4	0.83	0.0	-8.69e-05	-2.01	0.0	2.57	1.01	0.0	6.76e-04	0.0	0.0
		0.0	0.0	4.85e-04	0.0	330.0	2.57	-1.01	0.0	6.76e-04	0.0	0.0
96	9	0.83	0.0	-7.77e-05	-2.01	0.0	0.89	1.01	0.0	1.99e-04	0.0	0.0
		0.0	0.0	1.35e-04	0.0	330.0	0.89	-1.01	0.0	1.99e-04	0.0	0.0
96	10	0.83	0.0	-8.49e-05	-2.01	0.0	1.95	1.01	0.0	4.99e-04	0.0	0.0
		0.0	0.0	3.60e-04	0.0	330.0	1.95	-1.01	0.0	4.99e-04	0.0	0.0
96	13	0.83	0.0	-8.10e-05	-2.01	0.0	0.72	1.01	0.0	1.46e-04	0.0	0.0
		0.0	0.0	1.11e-04	0.0	330.0	0.72	-1.01	0.0	1.46e-04	0.0	0.0
96	14	0.83	0.0	-8.46e-05	-2.01	0.0	1.25	1.01	0.0	2.96e-04	0.0	0.0
		0.0	0.0	2.24e-04	0.0	330.0	1.25	-1.01	0.0	2.96e-04	0.0	0.0
96	17	0.83	0.0	-8.10e-05	-2.01	0.0	0.72	1.01	0.0	1.46e-04	0.0	0.0
		0.0	0.0	1.11e-04	0.0	330.0	0.72	-1.01	0.0	1.46e-04	0.0	0.0
96	18	0.83	0.0	-8.32e-05	-2.01	0.0	1.04	1.01	0.0	2.36e-04	0.0	0.0
		0.0	0.0	1.79e-04	0.0	330.0	1.04	-1.01	0.0	2.36e-04	0.0	0.0
96	27	0.83	0.0	8.25e-04	-2.01	0.0	-3.63	1.01	0.0	-0.03	0.0	0.0
		0.0	0.0	-6.34e-03	0.0	330.0	-3.63	-1.01	0.0	-0.03	0.0	0.0
96	30	0.83	0.0	-8.46e-04	-2.01	0.0	5.71	1.01	0.0	0.03	0.0	0.0
		0.0	0.0	6.70e-03	0.0	330.0	5.71	-1.01	0.0	0.03	0.0	0.0
96	31	0.83	0.0	8.27e-04	-2.01	0.0	-3.63	1.01	0.0	-0.03	0.0	0.0
		0.0	0.0	-6.24e-03	0.0	330.0	-3.63	-1.01	0.0	-0.03	0.0	0.0
96	34	0.83	0.0	-8.47e-04	-2.01	0.0	5.71	1.01	0.0	0.03	0.0	0.0
		0.0	0.0	6.60e-03	0.0	330.0	5.71	-1.01	0.0	0.03	0.0	0.0
96	50	0.83	0.0	-1.24e-04	-2.01	0.0	2.82	1.01	0.0	9.04e-03	0.0	0.0
		0.0	0.0	1.99e-03	0.0	330.0	2.82	-1.01	0.0	9.04e-03	0.0	0.0
96	59	0.83	0.0	6.17e-04	-2.01	0.0	-2.53	1.01	0.0	-0.03	0.0	0.0
		0.0	0.0	-4.78e-03	0.0	330.0	-2.53	-1.01	0.0	-0.03	0.0	0.0
96	62	0.83	0.0	-6.37e-04	-2.01	0.0	4.62	1.01	0.0	0.03	0.0	0.0
		0.0	0.0	5.14e-03	0.0	330.0	4.62	-1.01	0.0	0.03	0.0	0.0
96	63	0.83	0.0	6.19e-04	-2.01	0.0	-2.53	1.01	0.0	-0.02	0.0	0.0
		0.0	0.0	-4.71e-03	0.0	330.0	-2.53	-1.01	0.0	-0.02	0.0	0.0
96	66	0.83	0.0	-6.39e-04	-2.01	0.0	4.61	1.01	0.0	0.03	0.0	0.0
		0.0	0.0	5.06e-03	0.0	330.0	4.61	-1.01	0.0	0.03	0.0	0.0
96	91	0.83	0.0	5.47e-04	-2.01	0.0	-2.14	1.01	0.0	-0.02	0.0	0.0
		0.0	0.0	-4.23e-03	0.0	330.0	-2.14	-1.01	0.0	-0.02	0.0	0.0
96	94	0.83	0.0	-5.67e-04	-2.01	0.0	4.22	1.01	0.0	0.02	0.0	0.0
		0.0	0.0	4.59e-03	0.0	330.0	4.22	-1.01	0.0	0.02	0.0	0.0
96	95	0.83	0.0	5.48e-04	-2.01	0.0	-2.13	1.01	0.0	-0.02	0.0	0.0
		0.0	0.0	-4.16e-03	0.0	330.0	-2.13	-1.01	0.0	-0.02	0.0	0.0
96	98	0.83	0.0	-5.68e-04	-2.01	0.0	4.22	1.01	0.0	0.02	0.0	0.0
		0.0	0.0	4.52e-03	0.0	330.0	4.22	-1.01	0.0	0.02	0.0	0.0
96	127	0.83	0.0	9.64e-04	-2.01	0.0	-4.38	1.01	0.0	-0.04	0.0	0.0
		0.0	0.0	-7.27e-03	0.0	330.0	-4.38	-1.01	0.0	-0.04	0.0	0.0
96	130	0.83	0.0	-9.84e-04	-2.01	0.0	6.47	1.01	0.0	0.04	0.0	0.0
		0.0	0.0	7.63e-03	0.0	330.0	6.47	-1.01	0.0	0.04	0.0	0.0
96	146	0.83	0.0	-1.36e-04	-2.01	0.0	3.12	1.01	0.0	0.01	0.0	0.0
		0.0	0.0	2.28e-03	0.0	330.0	3.12	-1.01	0.0	0.01	0.0	0.0
97	1	0.17	0.0	5.29e-05	-1.03	0.0	0.22	0.51	0.0	4.53e-04	0.0	0.0
		0.0	0.0	7.07e-05	0.0	130.0	0.22	-0.51	0.0	4.53e-04	0.0	0.0
97	2	0.17	0.0	1.74e-04	-1.03	0.0	0.55	0.51	0.0	1.33e-03	0.0	0.0
		0.0	0.0	2.04e-04	0.0	130.0	0.55	-0.51	0.0	1.33e-03	0.0	0.0
97	3	0.13	0.0	3.95e-05	-0.79	0.0	0.20	0.40	0.0	3.66e-04	0.0	0.0
		0.0	0.0	5.77e-05	0.0	130.0	0.20	-0.40	0.0	3.66e-04	0.0	0.0
97	5	0.17	0.0	4.95e-05	-1.03	0.0	0.29	0.51	0.0	5.03e-04	0.0	0.0
		0.0	0.0	8.03e-05	0.0	130.0	0.29	-0.51	0.0	5.03e-04	0.0	0.0
97	9	0.13	0.0	4.12e-05	-0.79	0.0	0.16	0.40	0.0	3.41e-04	0.0	0.0
		0.0	0.0	5.30e-05	0.0	130.0	0.16	-0.40	0.0	3.41e-04	0.0	0.0

97	10	0.13	0.0	1.22e-04	-0.79	0.0	0.38	0.40	0.0	9.28e-04	0.0	0.0
		0.0	0.0	1.42e-04	0.0	130.0	0.38	-0.40	0.0	9.28e-04	0.0	0.0
97	11	0.13	0.0	3.90e-05	-0.79	0.0	0.21	0.40	0.0	3.74e-04	0.0	0.0
		0.0	0.0	5.93e-05	0.0	130.0	0.21	-0.40	0.0	3.74e-04	0.0	0.0
97	13	0.13	0.0	4.45e-05	-0.79	0.0	0.09	0.40	0.0	2.91e-04	0.0	0.0
		0.0	0.0	4.34e-05	0.0	130.0	0.09	-0.40	0.0	2.91e-04	0.0	0.0
97	14	0.13	0.0	8.49e-05	-0.79	0.0	0.20	0.40	0.0	5.85e-04	0.0	0.0
		0.0	0.0	8.78e-05	0.0	130.0	0.20	-0.40	0.0	5.85e-04	0.0	0.0
97	15	0.13	0.0	4.34e-05	-0.79	0.0	0.12	0.40	0.0	3.08e-04	0.0	0.0
		0.0	0.0	4.66e-05	0.0	130.0	0.12	-0.40	0.0	3.08e-04	0.0	0.0
97	17	0.13	0.0	4.45e-05	-0.79	0.0	0.09	0.40	0.0	2.91e-04	0.0	0.0
		0.0	0.0	4.34e-05	0.0	130.0	0.09	-0.40	0.0	2.91e-04	0.0	0.0
97	18	0.13	0.0	6.87e-05	-0.79	0.0	0.16	0.40	0.0	4.67e-04	0.0	0.0
		0.0	0.0	7.01e-05	0.0	130.0	0.16	-0.40	0.0	4.67e-04	0.0	0.0
97	19	0.13	0.0	-7.03e-05	-0.79	0.0	-7.78	0.40	0.0	0.05	0.0	0.0
		0.0	0.0	-3.15e-03	0.0	130.0	-7.78	-0.40	0.0	0.05	0.0	0.0
97	20	0.13	0.0	-1.11e-04	-0.79	0.0	-8.52	0.40	0.0	0.05	0.0	0.0
		0.0	0.0	-2.93e-03	0.0	130.0	-8.52	-0.40	0.0	0.05	0.0	0.0
97	21	0.13	0.0	2.49e-04	-0.79	0.0	8.84	0.40	0.0	-0.05	0.0	0.0
		0.0	0.0	3.07e-03	0.0	130.0	8.84	-0.40	0.0	-0.05	0.0	0.0
97	22	0.13	0.0	2.08e-04	-0.79	0.0	8.10	0.40	0.0	-0.05	0.0	0.0
		0.0	0.0	3.29e-03	0.0	130.0	8.10	-0.40	0.0	-0.05	0.0	0.0
97	39	0.13	0.0	1.06e-04	-0.79	0.0	-0.81	0.40	0.0	0.02	0.0	0.0
		0.0	0.0	-1.06e-03	0.0	130.0	-0.81	-0.40	0.0	0.02	0.0	0.0
97	42	0.13	0.0	3.13e-05	-0.79	0.0	1.13	0.40	0.0	-0.01	0.0	0.0
		0.0	0.0	1.20e-03	0.0	130.0	1.13	-0.40	0.0	-0.01	0.0	0.0
97	52	0.13	0.0	-6.99e-05	-0.79	0.0	-6.46	0.40	0.0	0.04	0.0	0.0
		0.0	0.0	-2.18e-03	0.0	130.0	-6.46	-0.40	0.0	0.04	0.0	0.0
97	53	0.13	0.0	2.07e-04	-0.79	0.0	6.78	0.40	0.0	-0.04	0.0	0.0
		0.0	0.0	2.33e-03	0.0	130.0	6.78	-0.40	0.0	-0.04	0.0	0.0
97	67	0.13	0.0	9.51e-05	-0.79	0.0	-0.61	0.40	0.0	0.01	0.0	0.0
		0.0	0.0	-9.35e-04	0.0	130.0	-0.61	-0.40	0.0	0.01	0.0	0.0
97	70	0.13	0.0	4.24e-05	-0.79	0.0	0.93	0.40	0.0	-0.01	0.0	0.0
		0.0	0.0	1.08e-03	0.0	130.0	0.93	-0.40	0.0	-0.01	0.0	0.0
97	71	0.13	0.0	1.08e-04	-0.79	0.0	-0.41	0.40	0.0	0.01	0.0	0.0
		0.0	0.0	-8.14e-04	0.0	130.0	-0.41	-0.40	0.0	0.01	0.0	0.0
97	74	0.13	0.0	2.96e-05	-0.79	0.0	0.73	0.40	0.0	-0.01	0.0	0.0
		0.0	0.0	9.55e-04	0.0	130.0	0.73	-0.40	0.0	-0.01	0.0	0.0
97	84	0.13	0.0	-5.48e-05	-0.79	0.0	-5.73	0.40	0.0	0.04	0.0	0.0
		0.0	0.0	-1.93e-03	0.0	130.0	-5.73	-0.40	0.0	0.04	0.0	0.0
97	85	0.13	0.0	1.92e-04	-0.79	0.0	6.05	0.40	0.0	-0.04	0.0	0.0
		0.0	0.0	2.07e-03	0.0	130.0	6.05	-0.40	0.0	-0.04	0.0	0.0
97	99	0.13	0.0	9.31e-05	-0.79	0.0	-0.51	0.40	0.0	0.01	0.0	0.0
		0.0	0.0	-8.27e-04	0.0	130.0	-0.51	-0.40	0.0	0.01	0.0	0.0
97	102	0.13	0.0	4.44e-05	-0.79	0.0	0.83	0.40	0.0	-9.77e-03	0.0	0.0
		0.0	0.0	9.67e-04	0.0	130.0	0.83	-0.40	0.0	-9.77e-03	0.0	0.0
97	103	0.13	0.0	1.05e-04	-0.79	0.0	-0.33	0.40	0.0	0.01	0.0	0.0
		0.0	0.0	-7.19e-04	0.0	130.0	-0.33	-0.40	0.0	0.01	0.0	0.0
97	106	0.13	0.0	3.29e-05	-0.79	0.0	0.65	0.40	0.0	-0.01	0.0	0.0
		0.0	0.0	8.59e-04	0.0	130.0	0.65	-0.40	0.0	-0.01	0.0	0.0
97	115	0.13	0.0	-9.54e-05	-0.79	0.0	-9.16	0.40	0.0	0.06	0.0	0.0
		0.0	0.0	-3.70e-03	0.0	130.0	-9.16	-0.40	0.0	0.06	0.0	0.0
97	116	0.13	0.0	-1.41e-04	-0.79	0.0	-9.99	0.40	0.0	0.06	0.0	0.0
		0.0	0.0	-3.45e-03	0.0	130.0	-9.99	-0.40	0.0	0.06	0.0	0.0
97	117	0.13	0.0	2.79e-04	-0.79	0.0	10.31	0.40	0.0	-0.06	0.0	0.0
		0.0	0.0	3.59e-03	0.0	130.0	10.31	-0.40	0.0	-0.06	0.0	0.0
97	118	0.13	0.0	2.33e-04	-0.79	0.0	9.48	0.40	0.0	-0.06	0.0	0.0
		0.0	0.0	3.84e-03	0.0	130.0	9.48	-0.40	0.0	-0.06	0.0	0.0
97	135	0.13	0.0	1.09e-04	-0.79	0.0	-1.01	0.40	0.0	0.02	0.0	0.0
		0.0	0.0	-1.23e-03	0.0	130.0	-1.01	-0.40	0.0	0.02	0.0	0.0
97	138	0.13	0.0	2.81e-05	-0.79	0.0	1.33	0.40	0.0	-0.02	0.0	0.0
		0.0	0.0	1.37e-03	0.0	130.0	1.33	-0.40	0.0	-0.02	0.0	0.0
98	1	0.89	0.0	-6.18e-05	-2.38	0.0	0.46	1.19	0.0	8.42e-04	0.0	0.0
		0.0	0.0	1.60e-04	0.0	300.0	0.46	-1.19	0.0	8.42e-04	0.0	0.0
98	2	0.89	0.0	4.75e-05	-2.38	0.0	0.47	1.19	0.0	2.14e-03	0.0	0.0
		0.0	0.0	4.57e-04	0.0	300.0	0.47	-1.19	0.0	2.14e-03	0.0	0.0
98	5	0.89	0.0	-6.19e-05	-2.38	0.0	0.45	1.19	0.0	9.02e-04	0.0	0.0
		0.0	0.0	1.82e-04	0.0	300.0	0.45	-1.19	0.0	9.02e-04	0.0	0.0
98	7	0.69	0.0	-4.77e-05	-1.83	0.0	0.35	0.91	0.0	7.29e-04	0.0	0.0
		0.0	0.0	1.53e-04	0.0	300.0	0.35	-0.91	0.0	7.29e-04	0.0	0.0
98	9	0.69	0.0	-4.76e-05	-1.83	0.0	0.35	0.91	0.0	6.39e-04	0.0	0.0
		0.0	0.0	1.19e-04	0.0	300.0	0.35	-0.91	0.0	6.39e-04	0.0	0.0
98	10	0.69	0.0	-3.78e-05	-1.83	0.0	0.36	0.91	0.0	1.51e-03	0.0	0.0
		0.0	0.0	3.18e-04	0.0	300.0	0.36	-0.91	0.0	1.51e-03	0.0	0.0
98	11	0.69	0.0	-4.76e-05	-1.83	0.0	0.35	0.91	0.0	6.79e-04	0.0	0.0

		0.0	0.0	1.34e-04	0.0	300.0	0.35	-0.91	0.0	6.79e-04	0.0	0.0
98	13	0.69	0.0	-4.75e-05	-1.83	0.0	0.35	0.91	0.0	5.78e-04	0.0	0.0
		0.0	0.0	9.74e-05	0.0	300.0	0.35	-0.91	0.0	5.78e-04	0.0	0.0
98	14	0.69	0.0	-4.25e-05	-1.83	0.0	0.36	0.91	0.0	1.01e-03	0.0	0.0
		0.0	0.0	1.97e-04	0.0	300.0	0.36	-0.91	0.0	1.01e-03	0.0	0.0
98	15	0.69	0.0	-4.75e-05	-1.83	0.0	0.35	0.91	0.0	5.98e-04	0.0	0.0
		0.0	0.0	1.05e-04	0.0	300.0	0.35	-0.91	0.0	5.98e-04	0.0	0.0
98	17	0.69	0.0	-4.75e-05	-1.83	0.0	0.35	0.91	0.0	5.78e-04	0.0	0.0
		0.0	0.0	9.74e-05	0.0	300.0	0.35	-0.91	0.0	5.78e-04	0.0	0.0
98	18	0.69	0.0	-4.44e-05	-1.83	0.0	0.36	0.91	0.0	8.39e-04	0.0	0.0
		0.0	0.0	1.57e-04	0.0	300.0	0.36	-0.91	0.0	8.39e-04	0.0	0.0
98	33	0.69	0.0	6.96e-04	-1.83	0.0	0.34	0.91	0.0	0.01	0.0	0.0
		0.0	0.0	5.89e-03	0.0	300.0	0.34	-0.91	0.0	0.01	0.0	0.0
98	36	0.69	0.0	-2.13e-04	-1.83	0.0	0.39	0.91	0.0	-2.20e-03	0.0	0.0
		0.0	0.0	-1.89e-03	0.0	300.0	0.39	-0.91	0.0	-2.20e-03	0.0	0.0
98	37	0.69	0.0	2.50e-04	-1.83	0.0	0.32	0.91	0.0	3.88e-03	0.0	0.0
		0.0	0.0	2.21e-03	0.0	300.0	0.32	-0.91	0.0	3.88e-03	0.0	0.0
98	39	0.69	0.0	-1.81e-04	-1.83	0.0	0.32	0.91	0.0	-3.10e-03	0.0	0.0
		0.0	0.0	-1.60e-03	0.0	300.0	0.32	-0.91	0.0	-3.10e-03	0.0	0.0
98	48	0.69	0.0	-1.81e-04	-1.83	0.0	0.39	0.91	0.0	-1.80e-03	0.0	0.0
		0.0	0.0	-1.59e-03	0.0	300.0	0.39	-0.91	0.0	-1.80e-03	0.0	0.0
98	49	0.69	0.0	2.18e-04	-1.83	0.0	0.32	0.91	0.0	3.48e-03	0.0	0.0
		0.0	0.0	1.90e-03	0.0	300.0	0.32	-0.91	0.0	3.48e-03	0.0	0.0
98	65	0.69	0.0	5.36e-04	-1.83	0.0	0.34	0.91	0.0	8.66e-03	0.0	0.0
		0.0	0.0	4.52e-03	0.0	300.0	0.34	-0.91	0.0	8.66e-03	0.0	0.0
98	71	0.69	0.0	-1.38e-04	-1.83	0.0	0.33	0.91	0.0	-2.21e-03	0.0	0.0
		0.0	0.0	-1.19e-03	0.0	300.0	0.33	-0.91	0.0	-2.21e-03	0.0	0.0
98	76	0.69	0.0	-1.52e-04	-1.83	0.0	0.39	0.91	0.0	-1.64e-03	0.0	0.0
		0.0	0.0	-1.44e-03	0.0	300.0	0.39	-0.91	0.0	-1.64e-03	0.0	0.0
98	77	0.69	0.0	1.86e-04	-1.83	0.0	0.32	0.91	0.0	3.32e-03	0.0	0.0
		0.0	0.0	1.76e-03	0.0	300.0	0.32	-0.91	0.0	3.32e-03	0.0	0.0
98	80	0.69	0.0	-1.38e-04	-1.83	0.0	0.39	0.91	0.0	-1.12e-03	0.0	0.0
		0.0	0.0	-1.17e-03	0.0	300.0	0.39	-0.91	0.0	-1.12e-03	0.0	0.0
98	81	0.69	0.0	1.70e-04	-1.83	0.0	0.32	0.91	0.0	2.80e-03	0.0	0.0
		0.0	0.0	1.49e-03	0.0	300.0	0.32	-0.91	0.0	2.80e-03	0.0	0.0
98	97	0.69	0.0	4.78e-04	-1.83	0.0	0.34	0.91	0.0	7.79e-03	0.0	0.0
		0.0	0.0	4.04e-03	0.0	300.0	0.34	-0.91	0.0	7.79e-03	0.0	0.0
98	103	0.69	0.0	-1.25e-04	-1.83	0.0	0.33	0.91	0.0	-1.88e-03	0.0	0.0
		0.0	0.0	-1.04e-03	0.0	300.0	0.33	-0.91	0.0	-1.88e-03	0.0	0.0
98	108	0.69	0.0	-1.36e-04	-1.83	0.0	0.39	0.91	0.0	-1.36e-03	0.0	0.0
		0.0	0.0	-1.27e-03	0.0	300.0	0.39	-0.91	0.0	-1.36e-03	0.0	0.0
98	109	0.69	0.0	1.67e-04	-1.83	0.0	0.33	0.91	0.0	3.04e-03	0.0	0.0
		0.0	0.0	1.58e-03	0.0	300.0	0.33	-0.91	0.0	3.04e-03	0.0	0.0
98	112	0.69	0.0	-1.25e-04	-1.83	0.0	0.39	0.91	0.0	-9.00e-04	0.0	0.0
		0.0	0.0	-1.03e-03	0.0	300.0	0.39	-0.91	0.0	-9.00e-04	0.0	0.0
98	113	0.69	0.0	1.53e-04	-1.83	0.0	0.33	0.91	0.0	2.58e-03	0.0	0.0
		0.0	0.0	1.34e-03	0.0	300.0	0.33	-0.91	0.0	2.58e-03	0.0	0.0
98	129	0.69	0.0	8.05e-04	-1.83	0.0	0.34	0.91	0.0	0.01	0.0	0.0
		0.0	0.0	6.81e-03	0.0	300.0	0.34	-0.91	0.0	0.01	0.0	0.0
98	132	0.69	0.0	-2.53e-04	-1.83	0.0	0.40	0.91	0.0	-2.73e-03	0.0	0.0
		0.0	0.0	-2.25e-03	0.0	300.0	0.40	-0.91	0.0	-2.73e-03	0.0	0.0
98	133	0.69	0.0	2.90e-04	-1.83	0.0	0.31	0.91	0.0	4.41e-03	0.0	0.0
		0.0	0.0	2.56e-03	0.0	300.0	0.31	-0.91	0.0	4.41e-03	0.0	0.0
98	135	0.69	0.0	-2.13e-04	-1.83	0.0	0.32	0.91	0.0	-3.73e-03	0.0	0.0
		0.0	0.0	-1.88e-03	0.0	300.0	0.32	-0.91	0.0	-3.73e-03	0.0	0.0
98	144	0.69	0.0	-2.13e-04	-1.83	0.0	0.40	0.91	0.0	-2.23e-03	0.0	0.0
		0.0	0.0	-1.87e-03	0.0	300.0	0.40	-0.91	0.0	-2.23e-03	0.0	0.0
98	145	0.69	0.0	2.50e-04	-1.83	0.0	0.31	0.91	0.0	3.91e-03	0.0	0.0
		0.0	0.0	2.18e-03	0.0	300.0	0.31	-0.91	0.0	3.91e-03	0.0	0.0
99	1	0.17	0.0	4.34e-05	-1.03	0.0	-0.06	0.51	0.0	4.48e-04	0.0	0.0
		0.0	0.0	7.19e-05	0.0	130.0	-0.06	-0.51	0.0	4.48e-04	0.0	0.0
99	2	0.17	0.0	1.40e-04	-1.03	0.0	-0.40	0.51	0.0	1.33e-03	0.0	0.0
		0.0	0.0	2.05e-04	0.0	130.0	-0.40	-0.51	0.0	1.33e-03	0.0	0.0
99	3	0.13	0.0	3.24e-05	-0.79	0.0	-0.02	0.40	0.0	3.62e-04	0.0	0.0
		0.0	0.0	5.86e-05	0.0	130.0	-0.02	-0.40	0.0	3.62e-04	0.0	0.0
99	4	0.13	0.0	1.29e-04	-0.79	0.0	-0.36	0.40	0.0	1.25e-03	0.0	0.0
		0.0	0.0	1.92e-04	0.0	130.0	-0.36	-0.40	0.0	1.25e-03	0.0	0.0
99	7	0.13	0.0	2.98e-05	-0.79	0.0	0.05	0.40	0.0	4.12e-04	0.0	0.0
		0.0	0.0	6.82e-05	0.0	130.0	0.05	-0.40	0.0	4.12e-04	0.0	0.0
99	9	0.13	0.0	3.38e-05	-0.79	0.0	-0.06	0.40	0.0	3.37e-04	0.0	0.0
		0.0	0.0	5.38e-05	0.0	130.0	-0.06	-0.40	0.0	3.37e-04	0.0	0.0
99	10	0.13	0.0	9.81e-05	-0.79	0.0	-0.28	0.40	0.0	9.27e-04	0.0	0.0
		0.0	0.0	1.43e-04	0.0	130.0	-0.28	-0.40	0.0	9.27e-04	0.0	0.0
99	11	0.13	0.0	3.20e-05	-0.79	0.0	-8.78e-03	0.40	0.0	3.70e-04	0.0	0.0
		0.0	0.0	6.02e-05	0.0	130.0	-8.78e-03	-0.40	0.0	3.70e-04	0.0	0.0

99	13	0.13	0.0	3.64e-05	-0.79	0.0	-0.13	0.40	0.0	2.87e-04	0.0	0.0
		0.0	0.0	4.43e-05	0.0	130.0	-0.13	-0.40	0.0	2.87e-04	0.0	0.0
99	14	0.13	0.0	6.86e-05	-0.79	0.0	-0.25	0.40	0.0	5.82e-04	0.0	0.0
		0.0	0.0	8.88e-05	0.0	130.0	-0.25	-0.40	0.0	5.82e-04	0.0	0.0
99	15	0.13	0.0	3.55e-05	-0.79	0.0	-0.11	0.40	0.0	3.03e-04	0.0	0.0
		0.0	0.0	4.75e-05	0.0	130.0	-0.11	-0.40	0.0	3.03e-04	0.0	0.0
99	17	0.13	0.0	3.64e-05	-0.79	0.0	-0.13	0.40	0.0	2.87e-04	0.0	0.0
		0.0	0.0	4.43e-05	0.0	130.0	-0.13	-0.40	0.0	2.87e-04	0.0	0.0
99	18	0.13	0.0	5.57e-05	-0.79	0.0	-0.20	0.40	0.0	4.64e-04	0.0	0.0
		0.0	0.0	7.10e-05	0.0	130.0	-0.20	-0.40	0.0	4.64e-04	0.0	0.0
99	23	0.13	0.0	2.50e-04	-0.79	0.0	8.39	0.40	0.0	0.05	0.0	0.0
		0.0	0.0	-2.98e-03	0.0	130.0	8.39	-0.40	0.0	0.05	0.0	0.0
99	24	0.13	0.0	2.05e-04	-0.79	0.0	7.76	0.40	0.0	0.05	0.0	0.0
		0.0	0.0	-3.09e-03	0.0	130.0	7.76	-0.40	0.0	0.05	0.0	0.0
99	26	0.13	0.0	-1.39e-04	-0.79	0.0	-8.79	0.40	0.0	-0.05	0.0	0.0
		0.0	0.0	3.12e-03	0.0	130.0	-8.79	-0.40	0.0	-0.05	0.0	0.0
99	37	0.13	0.0	7.86e-05	-0.79	0.0	-1.72	0.40	0.0	-0.02	0.0	0.0
		0.0	0.0	6.41e-04	0.0	130.0	-1.72	-0.40	0.0	-0.02	0.0	0.0
99	55	0.13	0.0	2.06e-04	-0.79	0.0	6.34	0.40	0.0	0.04	0.0	0.0
		0.0	0.0	-2.23e-03	0.0	130.0	6.34	-0.40	0.0	0.04	0.0	0.0
99	58	0.13	0.0	-9.44e-05	-0.79	0.0	-6.75	0.40	0.0	-0.04	0.0	0.0
		0.0	0.0	2.37e-03	0.0	130.0	-6.75	-0.40	0.0	-0.04	0.0	0.0
99	69	0.13	0.0	8.50e-05	-0.79	0.0	-1.22	0.40	0.0	-0.01	0.0	0.0
		0.0	0.0	4.73e-04	0.0	130.0	-1.22	-0.40	0.0	-0.01	0.0	0.0
99	76	0.13	0.0	2.52e-05	-0.79	0.0	0.72	0.40	0.0	0.01	0.0	0.0
		0.0	0.0	-7.97e-04	0.0	130.0	0.72	-0.40	0.0	0.01	0.0	0.0
99	87	0.13	0.0	1.89e-04	-0.79	0.0	5.63	0.40	0.0	0.04	0.0	0.0
		0.0	0.0	-1.97e-03	0.0	130.0	5.63	-0.40	0.0	0.04	0.0	0.0
99	90	0.13	0.0	-7.80e-05	-0.79	0.0	-6.03	0.40	0.0	-0.04	0.0	0.0
		0.0	0.0	2.11e-03	0.0	130.0	-6.03	-0.40	0.0	-0.04	0.0	0.0
99	101	0.13	0.0	8.28e-05	-0.79	0.0	-1.10	0.40	0.0	-0.01	0.0	0.0
		0.0	0.0	4.25e-04	0.0	130.0	-1.10	-0.40	0.0	-0.01	0.0	0.0
99	108	0.13	0.0	2.74e-05	-0.79	0.0	0.60	0.40	0.0	0.01	0.0	0.0
		0.0	0.0	-7.03e-04	0.0	130.0	0.60	-0.40	0.0	0.01	0.0	0.0
99	119	0.13	0.0	2.83e-04	-0.79	0.0	9.86	0.40	0.0	0.06	0.0	0.0
		0.0	0.0	-3.50e-03	0.0	130.0	9.86	-0.40	0.0	0.06	0.0	0.0
99	120	0.13	0.0	2.32e-04	-0.79	0.0	9.14	0.40	0.0	0.06	0.0	0.0
		0.0	0.0	-3.64e-03	0.0	130.0	9.14	-0.40	0.0	0.06	0.0	0.0
99	122	0.13	0.0	-1.71e-04	-0.79	0.0	-10.26	0.40	0.0	-0.06	0.0	0.0
		0.0	0.0	3.64e-03	0.0	130.0	-10.26	-0.40	0.0	-0.06	0.0	0.0
99	133	0.13	0.0	7.87e-05	-0.79	0.0	-2.03	0.40	0.0	-0.02	0.0	0.0
		0.0	0.0	7.49e-04	0.0	130.0	-2.03	-0.40	0.0	-0.02	0.0	0.0
100	1	1.08	0.0	-7.90e-05	-2.61	0.0	0.59	1.31	0.0	5.60e-04	0.0	0.0
		0.0	0.0	1.80e-04	0.0	330.0	0.59	-1.31	0.0	5.60e-04	0.0	0.0
100	2	1.08	0.0	1.33e-04	-2.61	0.0	1.26	1.31	0.0	1.64e-03	0.0	0.0
		0.0	0.0	5.17e-04	0.0	330.0	1.26	-1.31	0.0	1.64e-03	0.0	0.0
100	4	0.83	0.0	1.25e-04	-2.01	0.0	1.13	1.01	0.0	1.53e-03	0.0	0.0
		0.0	0.0	4.84e-04	0.0	330.0	1.13	-1.01	0.0	1.53e-03	0.0	0.0
100	5	1.08	0.0	-7.61e-05	-2.61	0.0	0.58	1.31	0.0	6.13e-04	0.0	0.0
		0.0	0.0	2.04e-04	0.0	330.0	0.58	-1.31	0.0	6.13e-04	0.0	0.0
100	7	0.83	0.0	-5.68e-05	-2.01	0.0	0.45	1.01	0.0	5.02e-04	0.0	0.0
		0.0	0.0	1.71e-04	0.0	330.0	0.45	-1.01	0.0	5.02e-04	0.0	0.0
100	9	0.83	0.0	-6.12e-05	-2.01	0.0	0.45	1.01	0.0	4.23e-04	0.0	0.0
		0.0	0.0	1.35e-04	0.0	330.0	0.45	-1.01	0.0	4.23e-04	0.0	0.0
100	10	0.83	0.0	9.28e-05	-2.01	0.0	0.90	1.01	0.0	1.14e-03	0.0	0.0
		0.0	0.0	3.60e-04	0.0	330.0	0.90	-1.01	0.0	1.14e-03	0.0	0.0
100	11	0.83	0.0	-5.93e-05	-2.01	0.0	0.45	1.01	0.0	4.58e-04	0.0	0.0
		0.0	0.0	1.51e-04	0.0	330.0	0.45	-1.01	0.0	4.58e-04	0.0	0.0
100	13	0.83	0.0	-6.42e-05	-2.01	0.0	0.45	1.01	0.0	3.70e-04	0.0	0.0
		0.0	0.0	1.11e-04	0.0	330.0	0.45	-1.01	0.0	3.70e-04	0.0	0.0
100	14	0.83	0.0	5.73e-05	-2.01	0.0	0.68	1.01	0.0	7.29e-04	0.0	0.0
		0.0	0.0	2.23e-04	0.0	330.0	0.68	-1.01	0.0	7.29e-04	0.0	0.0
100	15	0.83	0.0	-6.32e-05	-2.01	0.0	0.45	1.01	0.0	3.87e-04	0.0	0.0
		0.0	0.0	1.19e-04	0.0	330.0	0.45	-1.01	0.0	3.87e-04	0.0	0.0
100	17	0.83	0.0	-6.42e-05	-2.01	0.0	0.45	1.01	0.0	3.70e-04	0.0	0.0
		0.0	0.0	1.11e-04	0.0	330.0	0.45	-1.01	0.0	3.70e-04	0.0	0.0
100	18	0.83	0.0	-5.67e-05	-2.01	0.0	0.59	1.01	0.0	5.85e-04	0.0	0.0
		0.0	0.0	1.78e-04	0.0	330.0	0.59	-1.01	0.0	5.85e-04	0.0	0.0
100	24	0.83	0.0	-9.82e-04	-2.01	0.0	5.04	1.01	0.0	-0.03	0.0	0.0
		0.0	0.0	-7.71e-03	0.0	330.0	5.04	-1.01	0.0	-0.03	0.0	0.0
100	25	0.83	0.0	1.07e-03	-2.01	0.0	-3.86	1.01	0.0	0.03	0.0	0.0
		0.0	0.0	8.07e-03	0.0	330.0	-3.86	-1.01	0.0	0.03	0.0	0.0
100	27	0.83	0.0	-9.02e-04	-2.01	0.0	6.48	1.01	0.0	-0.03	0.0	0.0
		0.0	0.0	-6.34e-03	0.0	330.0	6.48	-1.01	0.0	-0.03	0.0	0.0
100	30	0.83	0.0	9.94e-04	-2.01	0.0	-5.30	1.01	0.0	0.03	0.0	0.0

		0.0	0.0	6.70e-03	0.0	330.0	-5.30	-1.01	0.0	0.03	0.0	0.0
100	43	0.83	0.0	-4.63e-04	-2.01	0.0	4.00	1.01	0.0	-7.42e-03	0.0	0.0
		0.0	0.0	-2.05e-03	0.0	330.0	4.00	-1.01	0.0	-7.42e-03	0.0	0.0
100	46	0.83	0.0	5.55e-04	-2.01	0.0	-2.82	1.01	0.0	8.59e-03	0.0	0.0
		0.0	0.0	2.41e-03	0.0	330.0	-2.82	-1.01	0.0	8.59e-03	0.0	0.0
100	56	0.83	0.0	-7.23e-04	-2.01	0.0	3.88	1.01	0.0	-0.02	0.0	0.0
		0.0	0.0	-5.78e-03	0.0	330.0	3.88	-1.01	0.0	-0.02	0.0	0.0
100	57	0.83	0.0	8.14e-04	-2.01	0.0	-2.70	1.01	0.0	0.02	0.0	0.0
		0.0	0.0	6.14e-03	0.0	330.0	-2.70	-1.01	0.0	0.02	0.0	0.0
100	59	0.83	0.0	-6.84e-04	-2.01	0.0	5.18	1.01	0.0	-0.03	0.0	0.0
		0.0	0.0	-4.78e-03	0.0	330.0	5.18	-1.01	0.0	-0.03	0.0	0.0
100	62	0.83	0.0	7.76e-04	-2.01	0.0	-4.00	1.01	0.0	0.03	0.0	0.0
		0.0	0.0	5.14e-03	0.0	330.0	-4.00	-1.01	0.0	0.03	0.0	0.0
100	75	0.83	0.0	-3.66e-04	-2.01	0.0	3.45	1.01	0.0	-5.83e-03	0.0	0.0
		0.0	0.0	-1.51e-03	0.0	330.0	3.45	-1.01	0.0	-5.83e-03	0.0	0.0
100	78	0.83	0.0	4.58e-04	-2.01	0.0	-2.27	1.01	0.0	7.00e-03	0.0	0.0
		0.0	0.0	1.87e-03	0.0	330.0	-2.27	-1.01	0.0	7.00e-03	0.0	0.0
100	88	0.83	0.0	-6.37e-04	-2.01	0.0	3.51	1.01	0.0	-0.02	0.0	0.0
		0.0	0.0	-5.12e-03	0.0	330.0	3.51	-1.01	0.0	-0.02	0.0	0.0
100	89	0.83	0.0	7.28e-04	-2.01	0.0	-2.33	1.01	0.0	0.02	0.0	0.0
		0.0	0.0	5.48e-03	0.0	330.0	-2.33	-1.01	0.0	0.02	0.0	0.0
100	91	0.83	0.0	-6.04e-04	-2.01	0.0	4.68	1.01	0.0	-0.02	0.0	0.0
		0.0	0.0	-4.23e-03	0.0	330.0	4.68	-1.01	0.0	-0.02	0.0	0.0
100	94	0.83	0.0	6.95e-04	-2.01	0.0	-3.50	1.01	0.0	0.02	0.0	0.0
		0.0	0.0	4.59e-03	0.0	330.0	-3.50	-1.01	0.0	0.02	0.0	0.0
100	107	0.83	0.0	-3.23e-04	-2.01	0.0	3.16	1.01	0.0	-5.17e-03	0.0	0.0
		0.0	0.0	-1.32e-03	0.0	330.0	3.16	-1.01	0.0	-5.17e-03	0.0	0.0
100	110	0.83	0.0	4.15e-04	-2.01	0.0	-1.98	1.01	0.0	6.34e-03	0.0	0.0
		0.0	0.0	1.68e-03	0.0	330.0	-1.98	-1.01	0.0	6.34e-03	0.0	0.0
100	120	0.83	0.0	-1.16e-03	-2.01	0.0	5.84	1.01	0.0	-0.03	0.0	0.0
		0.0	0.0	-9.07e-03	0.0	330.0	5.84	-1.01	0.0	-0.03	0.0	0.0
100	121	0.83	0.0	1.25e-03	-2.01	0.0	-4.66	1.01	0.0	0.03	0.0	0.0
		0.0	0.0	9.43e-03	0.0	330.0	-4.66	-1.01	0.0	0.03	0.0	0.0
100	123	0.83	0.0	-1.05e-03	-2.01	0.0	7.41	1.01	0.0	-0.04	0.0	0.0
		0.0	0.0	-7.40e-03	0.0	330.0	7.41	-1.01	0.0	-0.04	0.0	0.0
100	126	0.83	0.0	1.14e-03	-2.01	0.0	-6.23	1.01	0.0	0.04	0.0	0.0
		0.0	0.0	7.75e-03	0.0	330.0	-6.23	-1.01	0.0	0.04	0.0	0.0
100	139	0.83	0.0	-5.42e-04	-2.01	0.0	4.50	1.01	0.0	-8.68e-03	0.0	0.0
		0.0	0.0	-2.44e-03	0.0	330.0	4.50	-1.01	0.0	-8.68e-03	0.0	0.0
100	142	0.83	0.0	6.33e-04	-2.01	0.0	-3.32	1.01	0.0	9.85e-03	0.0	0.0
		0.0	0.0	2.79e-03	0.0	330.0	-3.32	-1.01	0.0	9.85e-03	0.0	0.0
101	1	0.22	0.0	-8.00e-05	-1.19	0.0	0.05	0.59	0.0	4.11e-04	0.0	0.0
		0.0	0.0	8.02e-05	0.0	150.0	0.05	-0.59	0.0	4.11e-04	0.0	0.0
101	2	0.22	0.0	-2.28e-04	-1.19	0.0	0.18	0.59	0.0	1.20e-03	0.0	0.0
		0.0	0.0	2.30e-04	0.0	150.0	0.18	-0.59	0.0	1.20e-03	0.0	0.0
101	5	0.22	0.0	-8.40e-05	-1.19	0.0	0.05	0.59	0.0	4.62e-04	0.0	0.0
		0.0	0.0	9.11e-05	0.0	150.0	0.05	-0.59	0.0	4.62e-04	0.0	0.0
101	7	0.17	0.0	-6.70e-05	-0.91	0.0	0.04	0.46	0.0	3.85e-04	0.0	0.0
		0.0	0.0	7.63e-05	0.0	150.0	0.04	-0.46	0.0	3.85e-04	0.0	0.0
101	9	0.17	0.0	-6.09e-05	-0.91	0.0	0.04	0.46	0.0	3.08e-04	0.0	0.0
		0.0	0.0	6.01e-05	0.0	150.0	0.04	-0.46	0.0	3.08e-04	0.0	0.0
101	10	0.17	0.0	-1.59e-04	-0.91	0.0	0.13	0.46	0.0	8.37e-04	0.0	0.0
		0.0	0.0	1.60e-04	0.0	150.0	0.13	-0.46	0.0	8.37e-04	0.0	0.0
101	11	0.17	0.0	-6.36e-05	-0.91	0.0	0.04	0.46	0.0	3.42e-04	0.0	0.0
		0.0	0.0	6.73e-05	0.0	150.0	0.04	-0.46	0.0	3.42e-04	0.0	0.0
101	13	0.17	0.0	-5.69e-05	-0.91	0.0	0.04	0.46	0.0	2.57e-04	0.0	0.0
		0.0	0.0	4.92e-05	0.0	150.0	0.04	-0.46	0.0	2.57e-04	0.0	0.0
101	14	0.17	0.0	-1.06e-04	-0.91	0.0	0.08	0.46	0.0	5.22e-04	0.0	0.0
		0.0	0.0	9.92e-05	0.0	150.0	0.08	-0.46	0.0	5.22e-04	0.0	0.0
101	15	0.17	0.0	-5.82e-05	-0.91	0.0	0.04	0.46	0.0	2.74e-04	0.0	0.0
		0.0	0.0	5.28e-05	0.0	150.0	0.04	-0.46	0.0	2.74e-04	0.0	0.0
101	17	0.17	0.0	-5.69e-05	-0.91	0.0	0.04	0.46	0.0	2.57e-04	0.0	0.0
		0.0	0.0	4.92e-05	0.0	150.0	0.04	-0.46	0.0	2.57e-04	0.0	0.0
101	18	0.17	0.0	-8.65e-05	-0.91	0.0	0.07	0.46	0.0	4.16e-04	0.0	0.0
		0.0	0.0	7.92e-05	0.0	150.0	0.07	-0.46	0.0	4.16e-04	0.0	0.0
101	19	0.17	0.0	4.68e-04	-0.91	0.0	-3.63	0.46	0.0	-0.06	0.0	0.0
		0.0	0.0	-3.46e-03	0.0	150.0	-3.63	-0.46	0.0	-0.06	0.0	0.0
101	22	0.17	0.0	-6.41e-04	-0.91	0.0	3.76	0.46	0.0	0.06	0.0	0.0
		0.0	0.0	3.62e-03	0.0	150.0	3.76	-0.46	0.0	0.06	0.0	0.0
101	24	0.17	0.0	4.12e-04	-0.91	0.0	-3.17	0.46	0.0	-0.06	0.0	0.0
		0.0	0.0	-3.44e-03	0.0	150.0	-3.17	-0.46	0.0	-0.06	0.0	0.0
101	25	0.17	0.0	-5.85e-04	-0.91	0.0	3.31	0.46	0.0	0.06	0.0	0.0
		0.0	0.0	3.60e-03	0.0	150.0	3.31	-0.46	0.0	0.06	0.0	0.0
101	32	0.17	0.0	3.19e-04	-0.91	0.0	-1.95	0.46	0.0	-0.09	0.0	0.0
		0.0	0.0	-2.81e-03	0.0	150.0	-1.95	-0.46	0.0	-0.09	0.0	0.0

101	33	0.17	0.0	-4.92e-04	-0.91	0.0	2.09	0.46	0.0	0.09	0.0	0.0
		0.0	0.0	2.97e-03	0.0	150.0	2.09	-0.46	0.0	0.09	0.0	0.0
101	51	0.17	0.0	3.36e-04	-0.91	0.0	-2.76	0.46	0.0	-0.05	0.0	0.0
		0.0	0.0	-2.59e-03	0.0	150.0	-2.76	-0.46	0.0	-0.05	0.0	0.0
101	54	0.17	0.0	-5.09e-04	-0.91	0.0	2.90	0.46	0.0	0.05	0.0	0.0
		0.0	0.0	2.75e-03	0.0	150.0	2.90	-0.46	0.0	0.05	0.0	0.0
101	56	0.17	0.0	2.86e-04	-0.91	0.0	-2.35	0.46	0.0	-0.05	0.0	0.0
		0.0	0.0	-2.58e-03	0.0	150.0	-2.35	-0.46	0.0	-0.05	0.0	0.0
101	57	0.17	0.0	-4.59e-04	-0.91	0.0	2.48	0.46	0.0	0.05	0.0	0.0
		0.0	0.0	2.74e-03	0.0	150.0	2.48	-0.46	0.0	0.05	0.0	0.0
101	64	0.17	0.0	2.18e-04	-0.91	0.0	-1.44	0.46	0.0	-0.07	0.0	0.0
		0.0	0.0	-2.12e-03	0.0	150.0	-1.44	-0.46	0.0	-0.07	0.0	0.0
101	65	0.17	0.0	-3.91e-04	-0.91	0.0	1.58	0.46	0.0	0.07	0.0	0.0
		0.0	0.0	2.28e-03	0.0	150.0	1.58	-0.46	0.0	0.07	0.0	0.0
101	83	0.17	0.0	2.90e-04	-0.91	0.0	-2.45	0.46	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.30e-03	0.0	150.0	-2.45	-0.46	0.0	-0.04	0.0	0.0
101	86	0.17	0.0	-4.63e-04	-0.91	0.0	2.59	0.46	0.0	0.04	0.0	0.0
		0.0	0.0	2.46e-03	0.0	150.0	2.59	-0.46	0.0	0.04	0.0	0.0
101	88	0.17	0.0	2.45e-04	-0.91	0.0	-2.08	0.46	0.0	-0.04	0.0	0.0
		0.0	0.0	-2.29e-03	0.0	150.0	-2.08	-0.46	0.0	-0.04	0.0	0.0
101	89	0.17	0.0	-4.18e-04	-0.91	0.0	2.21	0.46	0.0	0.04	0.0	0.0
		0.0	0.0	2.45e-03	0.0	150.0	2.21	-0.46	0.0	0.04	0.0	0.0
101	96	0.17	0.0	1.84e-04	-0.91	0.0	-1.27	0.46	0.0	-0.06	0.0	0.0
		0.0	0.0	-1.88e-03	0.0	150.0	-1.27	-0.46	0.0	-0.06	0.0	0.0
101	97	0.17	0.0	-3.57e-04	-0.91	0.0	1.40	0.46	0.0	0.06	0.0	0.0
		0.0	0.0	2.03e-03	0.0	150.0	1.40	-0.46	0.0	0.06	0.0	0.0
101	115	0.17	0.0	5.62e-04	-0.91	0.0	-4.26	0.46	0.0	-0.07	0.0	0.0
		0.0	0.0	-4.07e-03	0.0	150.0	-4.26	-0.46	0.0	-0.07	0.0	0.0
101	118	0.17	0.0	-7.35e-04	-0.91	0.0	4.39	0.46	0.0	0.07	0.0	0.0
		0.0	0.0	4.23e-03	0.0	150.0	4.39	-0.46	0.0	0.07	0.0	0.0
101	120	0.17	0.0	4.99e-04	-0.91	0.0	-3.74	0.46	0.0	-0.07	0.0	0.0
		0.0	0.0	-4.05e-03	0.0	150.0	-3.74	-0.46	0.0	-0.07	0.0	0.0
101	121	0.17	0.0	-6.72e-04	-0.91	0.0	3.87	0.46	0.0	0.07	0.0	0.0
		0.0	0.0	4.21e-03	0.0	150.0	3.87	-0.46	0.0	0.07	0.0	0.0
101	128	0.17	0.0	3.85e-04	-0.91	0.0	-2.28	0.46	0.0	-0.10	0.0	0.0
		0.0	0.0	-3.28e-03	0.0	150.0	-2.28	-0.46	0.0	-0.10	0.0	0.0
101	129	0.17	0.0	-5.58e-04	-0.91	0.0	2.42	0.46	0.0	0.10	0.0	0.0
		0.0	0.0	3.43e-03	0.0	150.0	2.42	-0.46	0.0	0.10	0.0	0.0
102	1	0.89	0.0	-5.73e-05	-2.38	0.0	-0.18	1.19	0.0	1.81e-04	0.0	0.0
		0.0	0.0	1.60e-04	0.0	300.0	-0.18	-1.19	0.0	1.81e-04	0.0	0.0
102	2	0.89	0.0	8.17e-05	-2.38	0.0	-0.33	1.19	0.0	7.21e-04	0.0	0.0
		0.0	0.0	4.56e-04	0.0	300.0	-0.33	-1.19	0.0	7.21e-04	0.0	0.0
102	3	0.69	0.0	-4.42e-05	-1.83	0.0	-0.14	0.91	0.0	1.46e-04	0.0	0.0
		0.0	0.0	1.30e-04	0.0	300.0	-0.14	-0.91	0.0	1.46e-04	0.0	0.0
102	4	0.69	0.0	7.57e-05	-1.83	0.0	-0.29	0.91	0.0	6.87e-04	0.0	0.0
		0.0	0.0	4.27e-04	0.0	300.0	-0.29	-0.91	0.0	6.87e-04	0.0	0.0
102	9	0.69	0.0	-4.40e-05	-1.83	0.0	-0.13	0.91	0.0	1.36e-04	0.0	0.0
		0.0	0.0	1.19e-04	0.0	300.0	-0.13	-0.91	0.0	1.36e-04	0.0	0.0
102	10	0.69	0.0	5.71e-05	-1.83	0.0	-0.23	0.91	0.0	4.96e-04	0.0	0.0
		0.0	0.0	3.17e-04	0.0	300.0	-0.23	-0.91	0.0	4.96e-04	0.0	0.0
102	13	0.69	0.0	-4.37e-05	-1.83	0.0	-0.12	0.91	0.0	1.15e-04	0.0	0.0
		0.0	0.0	9.73e-05	0.0	300.0	-0.12	-0.91	0.0	1.15e-04	0.0	0.0
102	14	0.69	0.0	3.89e-05	-1.83	0.0	-0.17	0.91	0.0	2.96e-04	0.0	0.0
		0.0	0.0	1.96e-04	0.0	300.0	-0.17	-0.91	0.0	2.96e-04	0.0	0.0
102	17	0.69	0.0	-4.37e-05	-1.83	0.0	-0.12	0.91	0.0	1.15e-04	0.0	0.0
		0.0	0.0	9.73e-05	0.0	300.0	-0.12	-0.91	0.0	1.15e-04	0.0	0.0
102	18	0.69	0.0	-3.87e-05	-1.83	0.0	-0.15	0.91	0.0	2.23e-04	0.0	0.0
		0.0	0.0	1.57e-04	0.0	300.0	-0.15	-0.91	0.0	2.23e-04	0.0	0.0
102	33	0.69	0.0	9.25e-04	-1.83	0.0	-0.15	0.91	0.0	0.01	0.0	0.0
		0.0	0.0	5.88e-03	0.0	300.0	-0.15	-0.91	0.0	0.01	0.0	0.0
102	35	0.69	0.0	-2.97e-04	-1.83	0.0	-0.35	0.91	0.0	-4.76e-03	0.0	0.0
		0.0	0.0	-1.97e-03	0.0	300.0	-0.35	-0.91	0.0	-4.76e-03	0.0	0.0
102	38	0.69	0.0	3.60e-04	-1.83	0.0	0.05	0.91	0.0	5.21e-03	0.0	0.0
		0.0	0.0	2.28e-03	0.0	300.0	0.05	-0.91	0.0	5.21e-03	0.0	0.0
102	46	0.69	0.0	3.60e-04	-1.83	0.0	0.02	0.91	0.0	4.99e-03	0.0	0.0
		0.0	0.0	2.22e-03	0.0	300.0	0.02	-0.91	0.0	4.99e-03	0.0	0.0
102	48	0.69	0.0	-2.35e-04	-1.83	0.0	-8.98e-03	0.91	0.0	-2.81e-03	0.0	0.0
		0.0	0.0	-1.58e-03	0.0	300.0	-8.98e-03	-0.91	0.0	-2.81e-03	0.0	0.0
102	49	0.69	0.0	2.98e-04	-1.83	0.0	-0.29	0.91	0.0	3.25e-03	0.0	0.0
		0.0	0.0	1.90e-03	0.0	300.0	-0.29	-0.91	0.0	3.25e-03	0.0	0.0
102	58	0.69	0.0	8.54e-04	-1.83	0.0	-0.07	0.91	0.0	0.01	0.0	0.0
		0.0	0.0	5.40e-03	0.0	300.0	-0.07	-0.91	0.0	0.01	0.0	0.0
102	65	0.69	0.0	7.12e-04	-1.83	0.0	-0.16	0.91	0.0	9.05e-03	0.0	0.0
		0.0	0.0	4.51e-03	0.0	300.0	-0.16	-0.91	0.0	9.05e-03	0.0	0.0
102	67	0.69	0.0	-2.17e-04	-1.83	0.0	-0.33	0.91	0.0	-3.61e-03	0.0	0.0

		0.0	0.0	-1.45e-03	0.0	300.0	-0.33	-0.91	0.0	-3.61e-03	0.0	0.0
102	70	0.69	0.0	2.79e-04	-1.83	0.0	0.03	0.91	0.0	4.06e-03	0.0	0.0
		0.0	0.0	1.77e-03	0.0	300.0	0.03	-0.91	0.0	4.06e-03	0.0	0.0
102	80	0.69	0.0	-1.71e-04	-1.83	0.0	-0.02	0.91	0.0	-2.03e-03	0.0	0.0
		0.0	0.0	-1.17e-03	0.0	300.0	-0.02	-0.91	0.0	-2.03e-03	0.0	0.0
102	81	0.69	0.0	2.34e-04	-1.83	0.0	-0.28	0.91	0.0	2.48e-03	0.0	0.0
		0.0	0.0	1.48e-03	0.0	300.0	-0.28	-0.91	0.0	2.48e-03	0.0	0.0
102	97	0.69	0.0	6.36e-04	-1.83	0.0	-0.16	0.91	0.0	8.06e-03	0.0	0.0
		0.0	0.0	4.03e-03	0.0	300.0	-0.16	-0.91	0.0	8.06e-03	0.0	0.0
102	99	0.69	0.0	-1.89e-04	-1.83	0.0	-0.31	0.91	0.0	-3.19e-03	0.0	0.0
		0.0	0.0	-1.28e-03	0.0	300.0	-0.31	-0.91	0.0	-3.19e-03	0.0	0.0
102	102	0.69	0.0	2.52e-04	-1.83	0.0	0.01	0.91	0.0	3.64e-03	0.0	0.0
		0.0	0.0	1.59e-03	0.0	300.0	0.01	-0.91	0.0	3.64e-03	0.0	0.0
102	110	0.69	0.0	2.52e-04	-1.83	0.0	-0.01	0.91	0.0	3.49e-03	0.0	0.0
		0.0	0.0	1.54e-03	0.0	300.0	-0.01	-0.91	0.0	3.49e-03	0.0	0.0
102	112	0.69	0.0	-1.51e-04	-1.83	0.0	-0.03	0.91	0.0	-1.77e-03	0.0	0.0
		0.0	0.0	-1.02e-03	0.0	300.0	-0.03	-0.91	0.0	-1.77e-03	0.0	0.0
102	113	0.69	0.0	2.11e-04	-1.83	0.0	-0.27	0.91	0.0	2.22e-03	0.0	0.0
		0.0	0.0	1.34e-03	0.0	300.0	-0.27	-0.91	0.0	2.22e-03	0.0	0.0
102	129	0.69	0.0	1.07e-03	-1.83	0.0	-0.15	0.91	0.0	0.01	0.0	0.0
		0.0	0.0	6.80e-03	0.0	300.0	-0.15	-0.91	0.0	0.01	0.0	0.0
102	131	0.69	0.0	-3.53e-04	-1.83	0.0	-0.38	0.91	0.0	-5.60e-03	0.0	0.0
		0.0	0.0	-2.33e-03	0.0	300.0	-0.38	-0.91	0.0	-5.60e-03	0.0	0.0
102	134	0.69	0.0	4.16e-04	-1.83	0.0	0.08	0.91	0.0	6.04e-03	0.0	0.0
		0.0	0.0	2.64e-03	0.0	300.0	0.08	-0.91	0.0	6.04e-03	0.0	0.0
102	142	0.69	0.0	4.16e-04	-1.83	0.0	0.04	0.91	0.0	5.80e-03	0.0	0.0
		0.0	0.0	2.57e-03	0.0	300.0	0.04	-0.91	0.0	5.80e-03	0.0	0.0
102	144	0.69	0.0	-2.78e-04	-1.83	0.0	8.51e-03	0.91	0.0	-3.31e-03	0.0	0.0
		0.0	0.0	-1.86e-03	0.0	300.0	8.51e-03	-0.91	0.0	-3.31e-03	0.0	0.0
102	145	0.69	0.0	3.41e-04	-1.83	0.0	-0.31	0.91	0.0	3.75e-03	0.0	0.0
		0.0	0.0	2.18e-03	0.0	300.0	-0.31	-0.91	0.0	3.75e-03	0.0	0.0
103	1	0.89	0.0	-7.95e-05	-2.38	0.0	0.03	1.19	0.0	2.91e-04	0.0	0.0
		0.0	0.0	1.58e-04	0.0	300.0	0.03	-1.19	0.0	2.91e-04	0.0	0.0
103	2	0.89	0.0	-1.09e-04	-2.38	0.0	0.18	1.19	0.0	1.05e-03	0.0	0.0
		0.0	0.0	4.53e-04	0.0	300.0	0.18	-1.19	0.0	1.05e-03	0.0	0.0
103	5	0.89	0.0	-8.00e-05	-2.38	0.0	0.02	1.19	0.0	2.72e-04	0.0	0.0
		0.0	0.0	1.80e-04	0.0	300.0	0.02	-1.19	0.0	2.72e-04	0.0	0.0
103	6	0.89	0.0	-1.00e-04	-2.38	0.0	0.13	1.19	0.0	8.01e-04	0.0	0.0
		0.0	0.0	3.86e-04	0.0	300.0	0.13	-1.19	0.0	8.01e-04	0.0	0.0
103	7	0.69	0.0	-6.19e-05	-1.83	0.0	0.01	0.91	0.0	1.99e-04	0.0	0.0
		0.0	0.0	1.51e-04	0.0	300.0	0.01	-0.91	0.0	1.99e-04	0.0	0.0
103	9	0.69	0.0	-6.11e-05	-1.83	0.0	0.03	0.91	0.0	2.26e-04	0.0	0.0
		0.0	0.0	1.18e-04	0.0	300.0	0.03	-0.91	0.0	2.26e-04	0.0	0.0
103	10	0.69	0.0	-8.02e-05	-1.83	0.0	0.13	0.91	0.0	7.30e-04	0.0	0.0
		0.0	0.0	3.15e-04	0.0	300.0	0.13	-0.91	0.0	7.30e-04	0.0	0.0
103	11	0.69	0.0	-6.14e-05	-1.83	0.0	0.02	0.91	0.0	2.14e-04	0.0	0.0
		0.0	0.0	1.33e-04	0.0	300.0	0.02	-0.91	0.0	2.14e-04	0.0	0.0
103	12	0.69	0.0	-7.48e-05	-1.83	0.0	0.09	0.91	0.0	5.67e-04	0.0	0.0
		0.0	0.0	2.71e-04	0.0	300.0	0.09	-0.91	0.0	5.67e-04	0.0	0.0
103	13	0.69	0.0	-6.06e-05	-1.83	0.0	0.03	0.91	0.0	2.44e-04	0.0	0.0
		0.0	0.0	9.67e-05	0.0	300.0	0.03	-0.91	0.0	2.44e-04	0.0	0.0
103	14	0.69	0.0	-7.00e-05	-1.83	0.0	0.09	0.91	0.0	4.96e-04	0.0	0.0
		0.0	0.0	1.95e-04	0.0	300.0	0.09	-0.91	0.0	4.96e-04	0.0	0.0
103	15	0.69	0.0	-6.07e-05	-1.83	0.0	0.03	0.91	0.0	2.38e-04	0.0	0.0
		0.0	0.0	1.04e-04	0.0	300.0	0.03	-0.91	0.0	2.38e-04	0.0	0.0
103	17	0.69	0.0	-6.06e-05	-1.83	0.0	0.03	0.91	0.0	2.44e-04	0.0	0.0
		0.0	0.0	9.67e-05	0.0	300.0	0.03	-0.91	0.0	2.44e-04	0.0	0.0
103	18	0.69	0.0	-6.62e-05	-1.83	0.0	0.07	0.91	0.0	3.95e-04	0.0	0.0
		0.0	0.0	1.56e-04	0.0	300.0	0.07	-0.91	0.0	3.95e-04	0.0	0.0
103	22	0.69	0.0	-1.11e-03	-1.83	0.0	0.13	0.91	0.0	0.01	0.0	0.0
		0.0	0.0	7.10e-03	0.0	300.0	0.13	-0.91	0.0	0.01	0.0	0.0
103	35	0.69	0.0	2.91e-04	-1.83	0.0	-0.06	0.91	0.0	-3.20e-03	0.0	0.0
		0.0	0.0	-1.96e-03	0.0	300.0	-0.06	-0.91	0.0	-3.20e-03	0.0	0.0
103	38	0.69	0.0	-3.41e-04	-1.83	0.0	0.19	0.91	0.0	3.99e-03	0.0	0.0
		0.0	0.0	2.27e-03	0.0	300.0	0.19	-0.91	0.0	3.99e-03	0.0	0.0
103	44	0.69	0.0	3.15e-04	-1.83	0.0	0.14	0.91	0.0	-4.21e-03	0.0	0.0
		0.0	0.0	-1.95e-03	0.0	300.0	0.14	-0.91	0.0	-4.21e-03	0.0	0.0
103	47	0.69	0.0	2.29e-04	-1.83	0.0	-0.02	0.91	0.0	-2.64e-03	0.0	0.0
		0.0	0.0	-1.52e-03	0.0	300.0	-0.02	-0.91	0.0	-2.64e-03	0.0	0.0
103	50	0.69	0.0	-2.78e-04	-1.83	0.0	0.16	0.91	0.0	3.43e-03	0.0	0.0
		0.0	0.0	1.83e-03	0.0	300.0	0.16	-0.91	0.0	3.43e-03	0.0	0.0
103	54	0.69	0.0	-8.41e-04	-1.83	0.0	0.12	0.91	0.0	0.01	0.0	0.0
		0.0	0.0	5.40e-03	0.0	300.0	0.12	-0.91	0.0	0.01	0.0	0.0
103	67	0.69	0.0	2.13e-04	-1.83	0.0	-0.04	0.91	0.0	-2.27e-03	0.0	0.0
		0.0	0.0	-1.45e-03	0.0	300.0	-0.04	-0.91	0.0	-2.27e-03	0.0	0.0

103	70	0.69	0.0	-2.62e-04	-1.83	0.0	0.17	0.91	0.0	3.06e-03	0.0	0.0
		0.0	0.0	1.76e-03	0.0	300.0	0.17	-0.91	0.0	3.06e-03	0.0	0.0
103	76	0.69	0.0	2.34e-04	-1.83	0.0	0.13	0.91	0.0	-3.12e-03	0.0	0.0
		0.0	0.0	-1.44e-03	0.0	300.0	0.13	-0.91	0.0	-3.12e-03	0.0	0.0
103	79	0.69	0.0	1.66e-04	-1.83	0.0	-0.01	0.91	0.0	-1.88e-03	0.0	0.0
		0.0	0.0	-1.12e-03	0.0	300.0	-0.01	-0.91	0.0	-1.88e-03	0.0	0.0
103	82	0.69	0.0	-2.15e-04	-1.83	0.0	0.14	0.91	0.0	2.67e-03	0.0	0.0
		0.0	0.0	1.43e-03	0.0	300.0	0.14	-0.91	0.0	2.67e-03	0.0	0.0
103	86	0.69	0.0	-7.51e-04	-1.83	0.0	0.11	0.91	0.0	9.67e-03	0.0	0.0
		0.0	0.0	4.82e-03	0.0	300.0	0.11	-0.91	0.0	9.67e-03	0.0	0.0
103	99	0.69	0.0	1.86e-04	-1.83	0.0	-0.03	0.91	0.0	-1.97e-03	0.0	0.0
		0.0	0.0	-1.27e-03	0.0	300.0	-0.03	-0.91	0.0	-1.97e-03	0.0	0.0
103	102	0.69	0.0	-2.35e-04	-1.83	0.0	0.16	0.91	0.0	2.76e-03	0.0	0.0
		0.0	0.0	1.58e-03	0.0	300.0	0.16	-0.91	0.0	2.76e-03	0.0	0.0
103	107	0.69	0.0	1.83e-04	-1.83	0.0	-7.63e-03	0.91	0.0	-2.12e-03	0.0	0.0
		0.0	0.0	-1.22e-03	0.0	300.0	-7.63e-03	-0.91	0.0	-2.12e-03	0.0	0.0
103	111	0.69	0.0	1.45e-04	-1.83	0.0	-5.70e-03	0.91	0.0	-1.62e-03	0.0	0.0
		0.0	0.0	-9.77e-04	0.0	300.0	-5.70e-03	-0.91	0.0	-1.62e-03	0.0	0.0
103	114	0.69	0.0	-1.94e-04	-1.83	0.0	0.14	0.91	0.0	2.41e-03	0.0	0.0
		0.0	0.0	1.29e-03	0.0	300.0	0.14	-0.91	0.0	2.41e-03	0.0	0.0
103	118	0.69	0.0	-1.29e-03	-1.83	0.0	0.14	0.91	0.0	0.02	0.0	0.0
		0.0	0.0	8.29e-03	0.0	300.0	0.14	-0.91	0.0	0.02	0.0	0.0
103	131	0.69	0.0	3.46e-04	-1.83	0.0	-0.07	0.91	0.0	-3.84e-03	0.0	0.0
		0.0	0.0	-2.32e-03	0.0	300.0	-0.07	-0.91	0.0	-3.84e-03	0.0	0.0
103	134	0.69	0.0	-3.95e-04	-1.83	0.0	0.20	0.91	0.0	4.63e-03	0.0	0.0
		0.0	0.0	2.63e-03	0.0	300.0	0.20	-0.91	0.0	4.63e-03	0.0	0.0
103	140	0.69	0.0	3.73e-04	-1.83	0.0	0.15	0.91	0.0	-4.99e-03	0.0	0.0
		0.0	0.0	-2.31e-03	0.0	300.0	0.15	-0.91	0.0	-4.99e-03	0.0	0.0
103	143	0.69	0.0	2.70e-04	-1.83	0.0	-0.04	0.91	0.0	-3.14e-03	0.0	0.0
		0.0	0.0	-1.79e-03	0.0	300.0	-0.04	-0.91	0.0	-3.14e-03	0.0	0.0
103	146	0.69	0.0	-3.19e-04	-1.83	0.0	0.17	0.91	0.0	3.93e-03	0.0	0.0
		0.0	0.0	2.11e-03	0.0	300.0	0.17	-0.91	0.0	3.93e-03	0.0	0.0
104	1	0.89	0.0	-5.90e-05	-2.38	0.0	0.16	1.19	0.0	2.39e-04	0.0	0.0
		0.0	0.0	1.58e-04	0.0	300.0	0.16	-1.19	0.0	2.39e-04	0.0	0.0
104	2	0.89	0.0	7.22e-05	-2.38	0.0	0.48	1.19	0.0	8.62e-04	0.0	0.0
		0.0	0.0	4.54e-04	0.0	300.0	0.48	-1.19	0.0	8.62e-04	0.0	0.0
104	3	0.69	0.0	-4.54e-05	-1.83	0.0	0.12	0.91	0.0	1.75e-04	0.0	0.0
		0.0	0.0	1.29e-04	0.0	300.0	0.12	-0.91	0.0	1.75e-04	0.0	0.0
104	5	0.89	0.0	-5.90e-05	-2.38	0.0	0.16	1.19	0.0	2.14e-04	0.0	0.0
		0.0	0.0	1.80e-04	0.0	300.0	0.16	-1.19	0.0	2.14e-04	0.0	0.0
104	9	0.69	0.0	-4.54e-05	-1.83	0.0	0.12	0.91	0.0	1.87e-04	0.0	0.0
		0.0	0.0	1.19e-04	0.0	300.0	0.12	-0.91	0.0	1.87e-04	0.0	0.0
104	10	0.69	0.0	5.03e-05	-1.83	0.0	0.34	0.91	0.0	6.03e-04	0.0	0.0
		0.0	0.0	3.15e-04	0.0	300.0	0.34	-0.91	0.0	6.03e-04	0.0	0.0
104	11	0.69	0.0	-4.54e-05	-1.83	0.0	0.12	0.91	0.0	1.71e-04	0.0	0.0
		0.0	0.0	1.33e-04	0.0	300.0	0.12	-0.91	0.0	1.71e-04	0.0	0.0
104	13	0.69	0.0	-4.54e-05	-1.83	0.0	0.12	0.91	0.0	2.12e-04	0.0	0.0
		0.0	0.0	9.69e-05	0.0	300.0	0.12	-0.91	0.0	2.12e-04	0.0	0.0
104	14	0.69	0.0	-3.79e-05	-1.83	0.0	0.23	0.91	0.0	4.20e-04	0.0	0.0
		0.0	0.0	1.95e-04	0.0	300.0	0.23	-0.91	0.0	4.20e-04	0.0	0.0
104	15	0.69	0.0	-4.54e-05	-1.83	0.0	0.12	0.91	0.0	2.04e-04	0.0	0.0
		0.0	0.0	1.04e-04	0.0	300.0	0.12	-0.91	0.0	2.04e-04	0.0	0.0
104	17	0.69	0.0	-4.54e-05	-1.83	0.0	0.12	0.91	0.0	2.12e-04	0.0	0.0
		0.0	0.0	9.69e-05	0.0	300.0	0.12	-0.91	0.0	2.12e-04	0.0	0.0
104	18	0.69	0.0	-4.09e-05	-1.83	0.0	0.18	0.91	0.0	3.37e-04	0.0	0.0
		0.0	0.0	1.56e-04	0.0	300.0	0.18	-0.91	0.0	3.37e-04	0.0	0.0
104	39	0.69	0.0	-3.96e-05	-1.83	0.0	0.25	0.91	0.0	-2.43e-03	0.0	0.0
		0.0	0.0	-1.59e-03	0.0	300.0	0.25	-0.91	0.0	-2.43e-03	0.0	0.0
104	42	0.69	0.0	-4.21e-05	-1.83	0.0	0.11	0.91	0.0	3.10e-03	0.0	0.0
		0.0	0.0	1.90e-03	0.0	300.0	0.11	-0.91	0.0	3.10e-03	0.0	0.0
104	43	0.69	0.0	-3.96e-05	-1.83	0.0	0.24	0.91	0.0	-3.43e-03	0.0	0.0
		0.0	0.0	-1.90e-03	0.0	300.0	0.24	-0.91	0.0	-3.43e-03	0.0	0.0
104	46	0.69	0.0	-4.22e-05	-1.83	0.0	0.12	0.91	0.0	4.10e-03	0.0	0.0
		0.0	0.0	2.21e-03	0.0	300.0	0.12	-0.91	0.0	4.10e-03	0.0	0.0
104	47	0.69	0.0	-3.98e-05	-1.83	0.0	0.24	0.91	0.0	-2.66e-03	0.0	0.0
		0.0	0.0	-1.52e-03	0.0	300.0	0.24	-0.91	0.0	-2.66e-03	0.0	0.0
104	50	0.69	0.0	-4.20e-05	-1.83	0.0	0.12	0.91	0.0	3.34e-03	0.0	0.0
		0.0	0.0	1.84e-03	0.0	300.0	0.12	-0.91	0.0	3.34e-03	0.0	0.0
104	66	0.69	0.0	-4.29e-05	-1.83	0.0	0.15	0.91	0.0	8.91e-03	0.0	0.0
		0.0	0.0	4.49e-03	0.0	300.0	0.15	-0.91	0.0	8.91e-03	0.0	0.0
104	71	0.69	0.0	-3.99e-05	-1.83	0.0	0.25	0.91	0.0	-1.71e-03	0.0	0.0
		0.0	0.0	-1.18e-03	0.0	300.0	0.25	-0.91	0.0	-1.71e-03	0.0	0.0
104	74	0.69	0.0	-4.19e-05	-1.83	0.0	0.12	0.91	0.0	2.39e-03	0.0	0.0
		0.0	0.0	1.49e-03	0.0	300.0	0.12	-0.91	0.0	2.39e-03	0.0	0.0
104	75	0.69	0.0	-3.98e-05	-1.83	0.0	0.24	0.91	0.0	-2.47e-03	0.0	0.0

		0.0	0.0	-1.39e-03	0.0	300.0	0.24	-0.91	0.0	-2.47e-03	0.0	0.0
104	78	0.69	0.0	-4.19e-05	-1.83	0.0	0.13	0.91	0.0	3.14e-03	0.0	0.0
		0.0	0.0	1.70e-03	0.0	300.0	0.13	-0.91	0.0	3.14e-03	0.0	0.0
104	79	0.69	0.0	-4.00e-05	-1.83	0.0	0.24	0.91	0.0	-1.91e-03	0.0	0.0
		0.0	0.0	-1.12e-03	0.0	300.0	0.24	-0.91	0.0	-1.91e-03	0.0	0.0
104	103	0.69	0.0	-4.00e-05	-1.83	0.0	0.24	0.91	0.0	-1.48e-03	0.0	0.0
		0.0	0.0	-1.03e-03	0.0	300.0	0.24	-0.91	0.0	-1.48e-03	0.0	0.0
104	106	0.69	0.0	-4.18e-05	-1.83	0.0	0.13	0.91	0.0	2.15e-03	0.0	0.0
		0.0	0.0	1.34e-03	0.0	300.0	0.13	-0.91	0.0	2.15e-03	0.0	0.0
104	107	0.69	0.0	-3.99e-05	-1.83	0.0	0.23	0.91	0.0	-2.15e-03	0.0	0.0
		0.0	0.0	-1.22e-03	0.0	300.0	0.23	-0.91	0.0	-2.15e-03	0.0	0.0
104	110	0.69	0.0	-4.18e-05	-1.83	0.0	0.13	0.91	0.0	2.83e-03	0.0	0.0
		0.0	0.0	1.53e-03	0.0	300.0	0.13	-0.91	0.0	2.83e-03	0.0	0.0
104	111	0.69	0.0	-4.01e-05	-1.83	0.0	0.23	0.91	0.0	-1.65e-03	0.0	0.0
		0.0	0.0	-9.78e-04	0.0	300.0	0.23	-0.91	0.0	-1.65e-03	0.0	0.0
104	114	0.69	0.0	-4.17e-05	-1.83	0.0	0.13	0.91	0.0	2.33e-03	0.0	0.0
		0.0	0.0	1.29e-03	0.0	300.0	0.13	-0.91	0.0	2.33e-03	0.0	0.0
104	135	0.69	0.0	-3.95e-05	-1.83	0.0	0.26	0.91	0.0	-2.89e-03	0.0	0.0
		0.0	0.0	-1.87e-03	0.0	300.0	0.26	-0.91	0.0	-2.89e-03	0.0	0.0
104	138	0.69	0.0	-4.23e-05	-1.83	0.0	0.10	0.91	0.0	3.56e-03	0.0	0.0
		0.0	0.0	2.18e-03	0.0	300.0	0.10	-0.91	0.0	3.56e-03	0.0	0.0
104	139	0.69	0.0	-3.94e-05	-1.83	0.0	0.25	0.91	0.0	-4.09e-03	0.0	0.0
		0.0	0.0	-2.25e-03	0.0	300.0	0.25	-0.91	0.0	-4.09e-03	0.0	0.0
104	142	0.69	0.0	-4.24e-05	-1.83	0.0	0.11	0.91	0.0	4.77e-03	0.0	0.0
		0.0	0.0	2.56e-03	0.0	300.0	0.11	-0.91	0.0	4.77e-03	0.0	0.0
104	143	0.69	0.0	-3.96e-05	-1.83	0.0	0.25	0.91	0.0	-3.15e-03	0.0	0.0
		0.0	0.0	-1.80e-03	0.0	300.0	0.25	-0.91	0.0	-3.15e-03	0.0	0.0
104	146	0.69	0.0	-4.21e-05	-1.83	0.0	0.11	0.91	0.0	3.83e-03	0.0	0.0
		0.0	0.0	2.11e-03	0.0	300.0	0.11	-0.91	0.0	3.83e-03	0.0	0.0
113	2	0.16	0.31	-1.70e-05	-0.08	0.0	3.29	1.61	3.11	8.72e-04	0.0	0.0
		0.0	0.0	-5.54e-05	0.0	10.0	3.29	1.53	3.11	8.72e-04	0.31	0.16
113	3	0.09	0.28	-6.66e-06	-0.06	0.0	2.18	0.91	2.80	3.89e-04	0.0	0.0
		0.0	0.0	-1.45e-05	0.0	10.0	2.18	0.85	2.80	3.89e-04	0.28	0.09
113	5	0.11	0.46	-8.55e-06	-0.08	0.0	2.83	1.17	4.61	5.85e-04	0.0	0.0
		0.0	0.0	-2.04e-05	0.0	10.0	2.83	1.09	4.61	5.85e-04	0.46	0.11
113	6	0.14	0.48	-1.43e-05	-0.08	0.0	3.15	1.46	4.81	8.87e-04	0.0	0.0
		0.0	0.0	-4.69e-05	0.0	10.0	3.15	1.38	4.81	8.87e-04	0.48	0.14
113	7	0.09	0.46	-6.47e-06	-0.06	0.0	2.18	0.89	4.58	5.33e-04	0.0	0.0
		0.0	0.0	-1.74e-05	0.0	10.0	2.18	0.83	4.58	5.33e-04	0.46	0.09
113	9	0.09	0.19	-6.76e-06	-0.06	0.0	2.19	0.93	1.90	3.17e-04	0.0	0.0
		0.0	0.0	-1.30e-05	0.0	10.0	2.19	0.87	1.90	3.17e-04	0.19	0.09
113	10	0.12	0.21	-1.22e-05	-0.06	0.0	2.49	1.20	2.09	6.05e-04	0.0	0.0
		0.0	0.0	-3.83e-05	0.0	10.0	2.49	1.14	2.09	6.05e-04	0.21	0.12
113	11	0.09	0.31	-6.63e-06	-0.06	0.0	2.18	0.91	3.09	4.13e-04	0.0	0.0
		0.0	0.0	-1.50e-05	0.0	10.0	2.18	0.85	3.09	4.13e-04	0.31	0.09
113	12	0.11	0.32	-1.05e-05	-0.06	0.0	2.39	1.10	3.22	6.14e-04	0.0	0.0
		0.0	0.0	-3.26e-05	0.0	10.0	2.39	1.04	3.22	6.14e-04	0.32	0.11
113	13	0.09	0.01	-6.95e-06	-0.06	0.0	2.19	0.95	0.12	1.73e-04	0.0	0.0
		0.0	0.0	-1.02e-05	0.0	10.0	2.19	0.89	0.12	1.73e-04	0.01	0.09
113	14	0.11	0.02	-9.69e-06	-0.06	0.0	2.34	1.09	0.22	3.16e-04	0.0	0.0
		0.0	0.0	-2.28e-05	0.0	10.0	2.34	1.03	0.22	3.16e-04	0.02	0.11
113	15	0.09	0.07	-6.89e-06	-0.06	0.0	2.19	0.94	0.72	2.21e-04	0.0	0.0
		0.0	0.0	-1.11e-05	0.0	10.0	2.19	0.88	0.72	2.21e-04	0.07	0.09
113	16	0.10	0.08	-8.53e-06	-0.06	0.0	2.28	1.03	0.77	3.07e-04	0.0	0.0
		0.0	0.0	-1.87e-05	0.0	10.0	2.28	0.97	0.77	3.07e-04	0.08	0.10
113	17	0.09	0.01	-6.95e-06	-0.06	0.0	2.19	0.95	0.12	1.73e-04	0.0	0.0
		0.0	0.0	-1.02e-05	0.0	10.0	2.19	0.89	0.12	1.73e-04	0.01	0.09
113	18	0.10	0.02	-8.59e-06	-0.06	0.0	2.28	1.04	0.18	2.59e-04	0.0	0.0
		0.0	0.0	-1.77e-05	0.0	10.0	2.28	0.97	0.18	2.59e-04	0.02	0.10
113	31	0.10	0.05	-1.92e-05	-0.06	0.0	2.73	1.06	0.48	-8.16e-03	0.0	0.0
		0.0	0.0	-2.83e-05	0.0	10.0	2.73	1.00	0.48	-8.16e-03	0.05	0.10
113	34	0.10	0.0	1.98e-06	-0.06	0.0	1.83	1.01	-0.12	8.68e-03	0.0	0.0
		0.0	-0.01	-7.18e-06	0.0	10.0	1.83	0.95	-0.12	8.68e-03	-0.01	0.10
113	37	0.16	0.0	-7.65e-06	-0.06	0.0	2.37	1.58	-0.33	1.99e-03	0.0	0.0
		0.0	-0.03	-2.24e-05	0.0	10.0	2.37	1.52	-0.33	1.99e-03	-0.03	0.16
113	39	0.15	0.0	-1.46e-05	-0.06	0.0	2.58	1.50	-0.01	-3.44e-03	0.0	0.0
		0.0	-1.14e-03	-2.81e-05	0.0	10.0	2.58	1.44	-0.01	-3.44e-03	-1.14e-03	0.15
113	44	0.05	0.09	-1.34e-05	-0.06	0.0	2.17	0.50	0.94	-1.92e-03	0.0	0.0
		0.0	0.0	-1.41e-05	0.0	10.0	2.17	0.44	0.94	-1.92e-03	0.09	0.05
113	45	0.15	0.0	-3.81e-06	-0.06	0.0	2.39	1.57	-0.58	2.43e-03	0.0	0.0
		0.0	-0.06	-2.14e-05	0.0	10.0	2.39	1.51	-0.58	2.43e-03	-0.06	0.15
113	63	0.10	0.04	-1.66e-05	-0.06	0.0	2.64	1.07	0.40	-6.18e-03	0.0	0.0
		0.0	0.0	-2.61e-05	0.0	10.0	2.64	1.01	0.40	-6.18e-03	0.04	0.10
113	66	0.10	0.0	0.0	-0.06	0.0	1.92	1.00	-0.04	6.70e-03	0.0	0.0
		0.0	-4.12e-03	-9.34e-06	0.0	10.0	1.92	0.94	-0.04	6.70e-03	-4.12e-03	0.10

113	69	0.15	0.0	-8.40e-06	-0.06	0.0	2.37	1.52	-0.24	1.40e-03	0.0	0.0
		0.0	-0.02	-2.25e-05	0.0	10.0	2.37	1.46	-0.24	1.40e-03	-0.02	0.15
113	71	0.14	3.71e-04	-1.37e-05	-0.06	0.0	2.53	1.46	3.71e-03	-2.72e-03	0.0	0.0
		0.0	0.0	-2.68e-05	0.0	10.0	2.53	1.40	3.71e-03	-2.72e-03	3.71e-04	0.14
113	76	0.05	0.08	-1.25e-05	-0.06	0.0	2.17	0.56	0.78	-1.27e-03	0.0	0.0
		0.0	0.0	-1.37e-05	0.0	10.0	2.17	0.50	0.78	-1.27e-03	0.08	0.05
113	77	0.15	0.0	-4.71e-06	-0.06	0.0	2.39	1.51	-0.42	1.79e-03	0.0	0.0
		0.0	-0.04	-2.17e-05	0.0	10.0	2.39	1.45	-0.42	1.79e-03	-0.04	0.15
113	95	0.10	0.04	-1.57e-05	-0.06	0.0	2.60	1.07	0.38	-5.47e-03	0.0	0.0
		0.0	0.0	-2.52e-05	0.0	10.0	2.60	1.01	0.38	-5.47e-03	0.04	0.10
113	98	0.10	0.0	-1.49e-06	-0.06	0.0	1.96	1.00	-0.02	5.99e-03	0.0	0.0
		0.0	-1.58e-03	-1.02e-05	0.0	10.0	1.96	0.94	-0.02	5.99e-03	-1.58e-03	0.10
113	101	0.14	0.0	-8.46e-06	-0.06	0.0	2.36	1.48	-0.19	1.26e-03	0.0	0.0
		0.0	-0.02	-2.21e-05	0.0	10.0	2.36	1.41	-0.19	1.26e-03	-0.02	0.14
113	103	0.14	2.03e-03	-1.31e-05	-0.06	0.0	2.51	1.42	0.02	-2.40e-03	0.0	0.0
		0.0	0.0	-2.59e-05	0.0	10.0	2.51	1.36	0.02	-2.40e-03	2.03e-03	0.14
113	108	0.06	0.07	-1.21e-05	-0.06	0.0	2.18	0.61	0.72	-1.09e-03	0.0	0.0
		0.0	0.0	-1.41e-05	0.0	10.0	2.18	0.55	0.72	-1.09e-03	0.07	0.06
113	109	0.14	0.0	-5.12e-06	-0.06	0.0	2.38	1.46	-0.36	1.61e-03	0.0	0.0
		0.0	-0.04	-2.14e-05	0.0	10.0	2.38	1.40	-0.36	1.61e-03	-0.04	0.14
113	127	0.10	0.05	-2.09e-05	-0.06	0.0	2.81	1.06	0.53	-9.50e-03	0.0	0.0
		0.0	0.0	-2.99e-05	0.0	10.0	2.81	1.00	0.53	-9.50e-03	0.05	0.10
113	130	0.10	0.0	3.70e-06	-0.06	0.0	1.75	1.01	-0.17	0.01	0.0	0.0
		0.0	-0.02	-5.59e-06	0.0	10.0	1.75	0.95	-0.17	0.01	-0.02	0.10
113	133	0.16	0.0	-7.32e-06	-0.06	0.0	2.38	1.66	-0.41	2.34e-03	0.0	0.0
		0.0	-0.04	-2.28e-05	0.0	10.0	2.38	1.60	-0.41	2.34e-03	-0.04	0.16
113	135	0.15	0.0	-1.54e-05	-0.06	0.0	2.63	1.56	-0.04	-4.00e-03	0.0	0.0
		0.0	-3.87e-03	-2.94e-05	0.0	10.0	2.63	1.50	-0.04	-4.00e-03	-3.87e-03	0.15
113	140	0.04	0.11	-1.41e-05	-0.06	0.0	2.16	0.43	1.07	-2.33e-03	0.0	0.0
		0.0	0.0	-1.39e-05	0.0	10.0	2.16	0.37	1.07	-2.33e-03	0.11	0.04
113	141	0.16	0.0	-3.07e-06	-0.06	0.0	2.40	1.64	-0.71	2.84e-03	0.0	0.0
		0.0	-0.07	-2.16e-05	0.0	10.0	2.40	1.58	-0.71	2.84e-03	-0.07	0.16
114	2	2.35	3.53	-1.43e-04	-0.95	0.0	3.30	2.29	2.68	8.72e-04	0.31	0.17
		0.17	0.31	-4.25e-04	0.0	120.0	3.30	1.34	2.68	8.72e-04	3.53	2.35
114	3	0.84	0.83	-5.48e-05	-0.73	0.0	2.18	0.99	0.46	3.89e-04	0.28	0.09
		0.09	0.28	-9.23e-05	0.0	120.0	2.18	0.26	0.46	3.89e-04	0.83	0.84
114	7	0.81	0.91	-5.31e-05	-0.73	0.0	2.18	0.97	0.38	5.33e-04	0.46	0.09
		0.09	0.46	-1.01e-04	0.0	120.0	2.18	0.24	0.38	5.33e-04	0.91	0.81
114	9	0.85	0.79	-5.56e-05	-0.73	0.0	2.19	1.00	0.50	3.17e-04	0.19	0.09
		0.09	0.19	-8.79e-05	0.0	120.0	2.19	0.27	0.50	3.17e-04	0.79	0.85
114	10	1.68	2.45	-1.03e-04	-0.73	0.0	2.49	1.66	1.86	6.05e-04	0.21	0.13
		0.13	0.21	-2.94e-04	0.0	120.0	2.49	0.93	1.86	6.05e-04	2.45	1.68
114	11	0.83	0.85	-5.45e-05	-0.73	0.0	2.18	0.99	0.45	4.13e-04	0.31	0.09
		0.09	0.31	-9.37e-05	0.0	120.0	2.18	0.25	0.45	4.13e-04	0.85	0.83
114	13	0.88	0.72	-5.72e-05	-0.73	0.0	2.19	1.02	0.59	1.73e-04	0.01	0.10
		0.10	0.01	-7.94e-05	0.0	120.0	2.19	0.29	0.59	1.73e-04	0.72	0.88
114	14	1.29	1.54	-8.10e-05	-0.73	0.0	2.35	1.35	1.27	3.16e-04	0.02	0.11
		0.11	0.02	-1.82e-04	0.0	120.0	2.35	0.62	1.27	3.16e-04	1.54	1.29
114	15	0.87	0.74	-5.67e-05	-0.73	0.0	2.19	1.01	0.56	2.21e-04	0.07	0.09
		0.09	0.07	-8.21e-05	0.0	120.0	2.19	0.28	0.56	2.21e-04	0.74	0.87
114	17	0.88	0.72	-5.72e-05	-0.73	0.0	2.19	1.02	0.59	1.73e-04	0.01	0.10
		0.10	0.01	-7.94e-05	0.0	120.0	2.19	0.29	0.59	1.73e-04	0.72	0.88
114	18	1.13	1.21	-7.15e-05	-0.73	0.0	2.29	1.22	1.00	2.59e-04	0.02	0.11
		0.11	0.02	-1.41e-04	0.0	120.0	2.29	0.49	1.00	2.59e-04	1.21	1.13
114	22	0.87	2.42	8.12e-05	-0.73	0.0	2.05	1.00	2.05	0.01	-0.03	0.10
		0.10	-0.03	7.44e-05	0.0	120.0	2.05	0.27	2.05	0.01	2.42	0.87
114	31	1.37	0.21	-2.11e-04	-0.73	0.0	2.57	1.41	0.18	-8.16e-03	0.05	0.11
		0.11	0.05	-3.22e-04	0.0	120.0	2.57	0.68	0.18	-8.16e-03	0.21	1.37
114	34	0.89	2.21	6.83e-05	-0.73	0.0	2.01	1.02	1.82	8.68e-03	-0.01	0.10
		0.10	-0.01	3.96e-05	0.0	120.0	2.01	0.29	1.82	8.68e-03	2.21	0.89
114	35	1.69	0.72	-1.41e-04	-0.73	0.0	2.53	1.64	0.59	-3.96e-03	1.88e-03	0.15
		0.15	1.88e-03	-3.03e-04	0.0	120.0	2.53	0.91	0.59	-3.96e-03	0.72	1.69
114	36	0.63	1.00	-8.86e-05	-0.73	0.0	2.15	0.85	0.79	-1.47e-03	0.07	0.05
		0.05	0.07	-9.07e-05	0.0	120.0	2.15	0.12	0.79	-1.47e-03	1.00	0.63
114	45	1.61	1.44	-6.25e-05	-0.73	0.0	2.43	1.57	1.38	2.43e-03	-0.06	0.16
		0.16	-0.06	-1.84e-04	0.0	120.0	2.43	0.84	1.38	2.43e-03	1.44	1.61
114	54	0.91	2.13	4.52e-05	-0.73	0.0	2.10	1.04	1.79	8.08e-03	-0.02	0.10
		0.10	-0.02	-3.20e-05	0.0	120.0	2.10	0.31	1.79	8.08e-03	2.13	0.91
114	67	1.63	0.83	-1.28e-04	-0.73	0.0	2.50	1.60	0.68	-3.10e-03	2.57e-03	0.15
		0.15	2.57e-03	-2.80e-04	0.0	120.0	2.50	0.87	0.68	-3.10e-03	0.83	1.63
114	68	0.67	1.07	-8.04e-05	-0.73	0.0	2.16	0.88	0.85	-8.78e-04	0.06	0.06
		0.06	0.06	-8.82e-05	0.0	120.0	2.16	0.15	0.85	-8.78e-04	1.07	0.67
114	77	1.56	1.38	-6.98e-05	-0.73	0.0	2.42	1.54	1.29	1.79e-03	-0.04	0.15
		0.15	-0.04	-1.89e-04	0.0	120.0	2.42	0.81	1.29	1.79e-03	1.38	1.56
114	79	1.61	0.90	-1.32e-04	-0.73	0.0	2.51	1.58	0.86	-2.33e-03	-0.02	0.15

		0.15	-0.02	-2.65e-04	0.0	120.0	2.51	0.85	0.86	-2.33e-03	0.90	1.61
114	82	0.65	1.53	-1.36e-05	-0.73	0.0	2.06	0.85	1.13	2.84e-03	0.05	0.06
		0.06	0.05	-4.53e-05	0.0	120.0	2.06	0.12	1.13	2.84e-03	1.53	0.65
114	86	0.93	2.03	3.24e-05	-0.73	0.0	2.12	1.06	1.70	7.22e-03	-0.01	0.10
		0.10	-0.01	-3.96e-05	0.0	120.0	2.12	0.33	1.70	7.22e-03	2.03	0.93
114	99	1.58	0.87	-1.22e-04	-0.73	0.0	2.48	1.56	0.72	-2.74e-03	3.99e-03	0.15
		0.15	3.99e-03	-2.66e-04	0.0	120.0	2.48	0.83	0.72	-2.74e-03	0.87	1.58
114	100	0.72	1.09	-7.91e-05	-0.73	0.0	2.17	0.91	0.87	-7.37e-04	0.06	0.06
		0.06	0.06	-9.25e-05	0.0	120.0	2.17	0.18	0.87	-7.37e-04	1.09	0.72
114	109	1.52	1.36	-7.05e-05	-0.73	0.0	2.41	1.51	1.26	1.61e-03	-0.04	0.15
		0.15	-0.04	-1.85e-04	0.0	120.0	2.41	0.78	1.26	1.61e-03	1.36	1.52
114	111	1.56	0.93	-1.26e-04	-0.73	0.0	2.49	1.54	0.88	-2.05e-03	-0.01	0.14
		0.14	-0.01	-2.53e-04	0.0	120.0	2.49	0.81	0.88	-2.05e-03	0.93	1.56
114	114	0.70	1.50	-1.86e-05	-0.73	0.0	2.08	0.89	1.11	2.57e-03	0.05	0.07
		0.07	0.05	-5.24e-05	0.0	120.0	2.08	0.16	1.11	2.57e-03	1.50	0.70
114	115	1.42	0.07	-2.50e-04	-0.73	0.0	2.56	1.46	-0.23	-0.01	0.07	0.11
		0.11	-0.20	-3.93e-04	0.0	120.0	2.56	0.73	-0.23	-0.01	-0.20	1.42
114	118	0.83	2.63	1.07e-04	-0.73	0.0	2.01	0.97	2.23	0.01	-0.04	0.10
		0.10	-0.04	1.10e-04	0.0	120.0	2.01	0.24	2.23	0.01	2.63	0.83
114	127	1.40	0.05	-2.33e-04	-0.73	0.0	2.61	1.44	0.05	-9.50e-03	0.05	0.11
		0.11	0.05	-3.50e-04	0.0	120.0	2.61	0.71	0.05	-9.50e-03	0.05	1.40
114	130	0.86	2.37	9.04e-05	-0.73	0.0	1.96	1.00	1.95	0.01	-0.02	0.10
		0.10	-0.02	6.76e-05	0.0	120.0	1.96	0.27	1.95	0.01	2.37	0.86
114	131	1.76	0.64	-1.52e-04	-0.73	0.0	2.56	1.70	0.52	-4.64e-03	-1.70e-04	0.16
		0.16	-1.70e-04	-3.26e-04	0.0	120.0	2.56	0.97	0.52	-4.64e-03	0.64	1.76
114	132	0.57	0.96	-9.28e-05	-0.73	0.0	2.13	0.80	0.75	-1.82e-03	0.08	0.04
		0.04	0.08	-8.69e-05	0.0	120.0	2.13	0.07	0.75	-1.82e-03	0.96	0.57
115	2	2.37	3.53	-2.80e-06	-0.32	0.0	3.30	0.17	-3.50	8.72e-04	3.53	2.35
		2.35	2.13	5.67e-05	0.0	40.0	3.30	-0.15	-3.50	8.72e-04	2.13	2.35
115	3	0.85	0.83	-1.09e-06	-0.24	0.0	2.18	0.10	-0.88	3.89e-04	0.83	0.84
		0.83	0.48	2.01e-05	0.0	40.0	2.18	-0.14	-0.88	3.89e-04	0.48	0.83
115	7	0.82	0.91	-1.04e-06	-0.24	0.0	2.18	0.10	-0.97	5.33e-04	0.91	0.81
		0.80	0.52	2.49e-05	0.0	40.0	2.18	-0.14	-0.97	5.33e-04	0.52	0.80
115	9	0.86	0.79	-1.11e-06	-0.24	0.0	2.19	0.11	-0.83	3.17e-04	0.79	0.85
		0.85	0.46	1.77e-05	0.0	40.0	2.19	-0.14	-0.83	3.17e-04	0.46	0.85
115	10	1.70	2.45	-2.02e-06	-0.24	0.0	2.49	0.13	-2.43	6.05e-04	2.45	1.68
		1.68	1.47	3.95e-05	0.0	40.0	2.49	-0.12	-2.43	6.05e-04	1.47	1.69
115	11	0.84	0.85	-1.08e-06	-0.24	0.0	2.18	0.10	-0.89	4.13e-04	0.85	0.83
		0.83	0.49	2.09e-05	0.0	40.0	2.18	-0.14	-0.89	4.13e-04	0.49	0.83
115	13	0.89	0.72	-1.16e-06	-0.24	0.0	2.19	0.11	-0.73	1.73e-04	0.72	0.88
		0.87	0.43	1.29e-05	0.0	40.0	2.19	-0.14	-0.73	1.73e-04	0.43	0.87
115	14	1.31	1.54	-1.61e-06	-0.24	0.0	2.35	0.12	-1.53	3.16e-04	1.54	1.30
		1.29	0.93	2.38e-05	0.0	40.0	2.35	-0.13	-1.53	3.16e-04	0.93	1.29
115	15	0.88	0.74	-1.14e-06	-0.24	0.0	2.19	0.11	-0.76	2.21e-04	0.74	0.87
		0.86	0.44	1.45e-05	0.0	40.0	2.19	-0.14	-0.76	2.21e-04	0.44	0.86
115	17	0.89	0.72	-1.16e-06	-0.24	0.0	2.19	0.11	-0.73	1.73e-04	0.72	0.88
		0.87	0.43	1.29e-05	0.0	40.0	2.19	-0.14	-0.73	1.73e-04	0.43	0.87
115	18	1.14	1.21	-1.43e-06	-0.24	0.0	2.29	0.11	-1.21	2.59e-04	1.21	1.13
		1.13	0.73	1.94e-05	0.0	40.0	2.29	-0.13	-1.21	2.59e-04	0.73	1.13
115	22	0.87	2.42	4.68e-05	-0.24	0.0	2.19	0.02	-1.96	0.01	2.42	0.87
		0.83	1.63	1.57e-04	0.0	40.0	2.19	-0.23	-1.96	0.01	1.63	0.83
115	24	1.10	0.08	-4.49e-05	-0.24	0.0	2.26	0.15	-1.25	-9.42e-03	0.08	1.08
		1.08	-0.44	-9.65e-05	0.0	40.0	2.26	-0.09	-1.25	-9.42e-03	-0.44	1.09
115	35	1.73	0.86	-1.11e-05	-0.24	0.0	2.50	0.24	0.23	-3.96e-03	0.72	1.69
		1.69	0.72	-5.67e-05	0.0	40.0	2.50	-5.65e-03	0.23	-3.96e-03	0.86	1.73
115	38	0.57	1.70	1.31e-05	-0.24	0.0	2.07	-9.02e-03	-2.65	4.48e-03	1.70	0.57
		0.52	0.59	9.55e-05	0.0	40.0	2.07	-0.25	-2.65	4.48e-03	0.59	0.52
115	54	0.91	2.13	3.56e-05	-0.24	0.0	2.21	0.03	-1.83	8.08e-03	2.13	0.91
		0.87	1.39	1.25e-04	0.0	40.0	2.21	-0.21	-1.83	8.08e-03	1.39	0.87
115	56	1.08	0.36	-3.37e-05	-0.24	0.0	2.26	0.14	-1.29	-7.02e-03	0.36	1.07
		1.07	-0.17	-6.67e-05	0.0	40.0	2.26	-0.10	-1.29	-7.02e-03	-0.17	1.07
115	67	1.67	0.89	-8.08e-06	-0.24	0.0	2.48	0.22	0.08	-3.10e-03	0.83	1.63
		1.63	0.83	-4.38e-05	0.0	40.0	2.48	-0.02	0.08	-3.10e-03	0.89	1.67
115	70	0.63	1.60	9.86e-06	-0.24	0.0	2.10	5.55e-03	-2.50	3.62e-03	1.60	0.63
		0.58	0.56	8.27e-05	0.0	40.0	2.10	-0.24	-2.50	3.62e-03	0.56	0.58
115	86	0.93	2.03	3.18e-05	-0.24	0.0	2.21	0.04	-1.77	7.22e-03	2.03	0.93
		0.90	1.31	1.13e-04	0.0	40.0	2.21	-0.20	-1.77	7.22e-03	1.31	0.90
115	88	1.09	0.46	-2.98e-05	-0.24	0.0	2.26	0.14	-1.29	-6.21e-03	0.46	1.07
		1.07	-0.08	-5.70e-05	0.0	40.0	2.26	-0.11	-1.29	-6.21e-03	-0.08	1.08
115	99	1.62	0.88	-7.20e-06	-0.24	0.0	2.46	0.21	-0.05	-2.74e-03	0.87	1.58
		1.58	0.87	-3.73e-05	0.0	40.0	2.46	-0.03	-0.05	-2.74e-03	0.88	1.62
115	102	0.68	1.56	8.86e-06	-0.24	0.0	2.11	0.02	-2.37	3.26e-03	1.56	0.68
		0.63	0.58	7.62e-05	0.0	40.0	2.11	-0.23	-2.37	3.26e-03	0.58	0.63
115	118	0.83	2.63	5.47e-05	-0.24	0.0	2.18	-9.63e-05	-2.06	0.01	2.63	0.83
		0.78	1.79	1.80e-04	0.0	40.0	2.18	-0.24	-2.06	0.01	1.79	0.78

115	120	1.10	-0.11	-5.28e-05	-0.24	0.0	2.26	0.16	-1.24	-0.01	-0.11	1.07
		1.07	-0.64	-1.17e-04	0.0	40.0	2.26	-0.08	-1.24	-0.01	-0.64	1.09
115	131	1.81	0.87	-1.32e-05	-0.24	0.0	2.53	0.25	0.42	-4.64e-03	0.64	1.76
		1.76	0.64	-6.79e-05	0.0	40.0	2.53	0.01	0.42	-4.64e-03	0.87	1.81
115	134	0.50	1.79	1.53e-05	-0.24	0.0	2.04	-0.03	-2.84	5.15e-03	1.79	0.50
		0.44	0.59	1.07e-04	0.0	40.0	2.04	-0.27	-2.84	5.15e-03	0.59	0.44
116	2	2.35	2.13	1.60e-04	-0.95	0.0	3.30	-1.28	-1.56	8.72e-04	2.13	2.35
		0.25	0.25	5.75e-04	0.0	120.0	3.30	-2.23	-1.56	8.72e-04	0.25	0.25
116	7	0.80	0.52	5.71e-05	-0.73	0.0	2.18	-0.22	-0.08	5.33e-04	0.52	0.80
		0.10	0.42	1.95e-04	0.0	120.0	2.18	-0.95	-0.08	5.33e-04	0.42	0.10
116	10	1.68	1.47	1.15e-04	-0.73	0.0	2.49	-0.89	-1.09	6.05e-04	1.47	1.68
		0.18	0.17	3.99e-04	0.0	120.0	2.49	-1.62	-1.09	6.05e-04	0.17	0.18
116	11	0.83	0.49	5.85e-05	-0.73	0.0	2.18	-0.24	-0.17	4.13e-04	0.49	0.83
		0.10	0.28	1.69e-04	0.0	120.0	2.18	-0.97	-0.17	4.13e-04	0.28	0.10
116	14	1.29	0.93	8.90e-05	-0.73	0.0	2.34	-0.59	-0.78	3.16e-04	0.93	1.29
		0.14	-4.62e-03	2.42e-04	0.0	120.0	2.34	-1.32	-0.78	3.16e-04	-4.62e-03	0.14
116	15	0.86	0.44	6.08e-05	-0.73	0.0	2.19	-0.27	-0.32	2.21e-04	0.44	0.86
		0.11	0.05	1.27e-04	0.0	120.0	2.19	-1.00	-0.32	2.21e-04	0.05	0.11
116	17	0.87	0.43	6.14e-05	-0.73	0.0	2.19	-0.27	-0.36	1.73e-04	0.43	0.87
		0.11	-4.50e-03	1.17e-04	0.0	120.0	2.19	-1.00	-0.36	1.73e-04	-4.50e-03	0.11
116	18	1.12	0.73	7.79e-05	-0.73	0.0	2.28	-0.46	-0.61	2.59e-04	0.73	1.12
		0.13	-4.57e-03	1.92e-04	0.0	120.0	2.28	-1.20	-0.61	2.59e-04	-4.57e-03	0.13
116	24	1.09	0.06	-6.09e-05	-0.73	0.0	2.07	-0.40	0.42	-9.42e-03	-0.44	1.09
		0.17	-0.44	-3.52e-04	0.0	120.0	2.07	-1.13	0.42	-9.42e-03	0.06	0.17
116	25	1.16	1.90	2.17e-04	-0.73	0.0	2.50	-0.53	-1.64	9.93e-03	1.90	1.16
		0.09	-0.07	7.36e-04	0.0	120.0	2.50	-1.26	-1.64	9.93e-03	-0.07	0.09
116	35	1.73	0.86	7.15e-05	-0.73	0.0	2.45	-0.90	-0.72	-3.96e-03	0.86	1.73
		0.21	-0.01	-3.26e-05	0.0	120.0	2.45	-1.63	-0.72	-3.96e-03	-0.01	0.21
116	38	0.52	0.59	8.44e-05	-0.73	0.0	2.11	-0.03	-0.50	4.48e-03	0.59	0.52
		0.05	3.73e-03	4.11e-04	0.0	120.0	2.11	-0.76	-0.50	4.48e-03	3.73e-03	0.05
116	40	0.59	0.04	9.98e-06	-0.73	0.0	2.00	-0.06	-5.20e-03	-9.48e-04	0.03	0.59
		0.08	0.03	1.09e-04	0.0	120.0	2.00	-0.79	-5.20e-03	-9.48e-04	0.04	0.08
116	41	1.66	1.43	1.46e-04	-0.73	0.0	2.56	-0.87	-1.22	1.47e-03	1.43	1.66
		0.18	-0.05	2.75e-04	0.0	120.0	2.56	-1.60	-1.22	1.47e-03	-0.05	0.18
116	56	1.07	0.05	-2.88e-05	-0.73	0.0	2.11	-0.40	0.18	-7.02e-03	-0.17	1.07
		0.16	-0.17	-2.17e-04	0.0	120.0	2.11	-1.13	0.18	-7.02e-03	0.05	0.16
116	57	1.18	1.63	1.84e-04	-0.73	0.0	2.46	-0.53	-1.40	7.54e-03	1.63	1.18
		0.10	-0.06	6.01e-04	0.0	120.0	2.46	-1.26	-1.40	7.54e-03	-0.06	0.10
116	67	1.67	0.89	7.84e-05	-0.73	0.0	2.44	-0.86	-0.75	-3.10e-03	0.89	1.67
		0.20	-0.01	1.85e-05	0.0	120.0	2.44	-1.59	-0.75	-3.10e-03	-0.01	0.20
116	70	0.58	0.56	7.74e-05	-0.73	0.0	2.13	-0.07	-0.48	3.62e-03	0.56	0.58
		0.06	3.29e-03	3.66e-04	0.0	120.0	2.13	-0.80	-0.48	3.62e-03	3.29e-03	0.06
116	72	0.63	0.14	2.09e-05	-0.73	0.0	2.04	-0.09	-0.10	-4.98e-04	0.14	0.63
		0.08	0.03	1.36e-04	0.0	120.0	2.04	-0.83	-0.10	-4.98e-04	0.03	0.08
116	73	1.62	1.32	1.35e-04	-0.73	0.0	2.53	-0.83	-1.13	1.02e-03	1.32	1.62
		0.18	-0.04	2.48e-04	0.0	120.0	2.53	-1.56	-1.13	1.02e-03	-0.04	0.18
116	88	1.08	0.04	-1.99e-05	-0.73	0.0	2.13	-0.40	0.09	-6.21e-03	-0.08	1.08
		0.16	-0.08	-1.72e-04	0.0	120.0	2.13	-1.13	0.09	-6.21e-03	0.04	0.16
116	89	1.17	1.54	1.73e-04	-0.73	0.0	2.44	-0.53	-1.32	6.73e-03	1.54	1.17
		0.10	-0.05	5.56e-04	0.0	120.0	2.44	-1.26	-1.32	6.73e-03	-0.05	0.10
116	99	1.62	0.88	7.88e-05	-0.73	0.0	2.43	-0.82	-0.74	-2.74e-03	0.88	1.62
		0.19	-0.01	3.71e-05	0.0	120.0	2.43	-1.55	-0.74	-2.74e-03	-0.01	0.19
116	102	0.63	0.58	7.70e-05	-0.73	0.0	2.14	-0.11	-0.49	3.26e-03	0.58	0.63
		0.06	2.60e-03	3.47e-04	0.0	120.0	2.14	-0.84	-0.49	3.26e-03	2.60e-03	0.06
116	104	0.68	0.20	2.67e-05	-0.73	0.0	2.06	-0.13	-0.15	-3.99e-04	0.20	0.68
		0.09	0.03	1.43e-04	0.0	120.0	2.06	-0.86	-0.15	-3.99e-04	0.03	0.09
116	105	1.57	1.26	1.29e-04	-0.73	0.0	2.50	-0.80	-1.07	9.17e-04	1.26	1.57
		0.17	-0.03	2.41e-04	0.0	120.0	2.50	-1.53	-1.07	9.17e-04	-0.03	0.17
116	120	1.09	0.08	-8.44e-05	-0.73	0.0	2.03	-0.39	0.59	-0.01	-0.64	1.09
		0.18	-0.64	-4.46e-04	0.0	120.0	2.03	-1.12	0.59	-0.01	0.08	0.18
116	121	1.16	2.09	2.40e-04	-0.73	0.0	2.54	-0.54	-1.81	0.01	2.09	1.16
		0.08	-0.09	8.30e-04	0.0	120.0	2.54	-1.27	-1.81	0.01	-0.09	0.08
116	124	1.06	0.06	-6.96e-05	-0.73	0.0	1.96	-0.38	0.39	-8.81e-03	-0.41	1.06
		0.17	-0.41	-3.19e-04	0.0	120.0	1.96	-1.11	0.39	-8.81e-03	0.06	0.17
116	125	1.19	1.86	2.25e-04	-0.73	0.0	2.60	-0.55	-1.61	9.33e-03	1.86	1.19
		0.09	-0.07	7.03e-04	0.0	120.0	2.60	-1.28	-1.61	9.33e-03	-0.07	0.09
116	131	1.81	0.87	6.87e-05	-0.73	0.0	2.47	-0.96	-0.72	-4.64e-03	0.87	1.81
		0.22	-0.01	-6.24e-05	0.0	120.0	2.47	-1.69	-0.72	-4.64e-03	-0.01	0.22
116	134	0.44	0.59	8.72e-05	-0.73	0.0	2.10	0.03	-0.50	5.15e-03	0.59	0.44
		0.04	5.12e-03	4.47e-04	0.0	120.0	2.10	-0.70	-0.50	5.15e-03	5.12e-03	0.04
117	2	0.23	0.25	1.86e-05	-0.08	0.0	3.28	-2.28	-2.50	8.72e-04	0.25	0.23
		0.0	0.0	6.06e-05	0.0	10.0	3.28	-2.36	-2.50	8.72e-04	0.0	0.0
117	5	0.13	0.42	9.03e-06	-0.08	0.0	2.83	-1.25	-4.22	5.85e-04	0.42	0.13
		0.0	0.0	2.66e-05	0.0	10.0	2.83	-1.32	-4.22	5.85e-04	0.0	0.0
117	7	0.10	0.42	6.83e-06	-0.06	0.0	2.17	-0.94	-4.23	5.33e-04	0.42	0.10

		0.0	0.0	2.31e-05	0.0	10.0	2.17	-1.00	-4.23	5.33e-04	0.0	0.0
117	10	0.17	0.17	1.34e-05	-0.06	0.0	2.48	-1.65	-1.66	6.05e-04	0.17	0.17
		0.0	0.0	4.20e-05	0.0	10.0	2.48	-1.72	-1.66	6.05e-04	0.0	0.0
117	11	0.10	0.28	7.00e-06	-0.06	0.0	2.18	-0.96	-2.80	4.13e-04	0.28	0.10
		0.0	0.0	1.93e-05	0.0	10.0	2.18	-1.03	-2.80	4.13e-04	0.0	0.0
117	14	0.14	0.0	1.05e-05	-0.06	0.0	2.34	-1.34	0.05	3.16e-04	-4.62e-03	0.14
		0.0	-4.62e-03	2.46e-05	0.0	10.0	2.34	-1.40	0.05	3.16e-04	0.0	0.0
117	15	0.10	0.05	7.26e-06	-0.06	0.0	2.19	-1.00	-0.52	2.21e-04	0.05	0.10
		0.0	0.0	1.32e-05	0.0	10.0	2.19	-1.06	-0.52	2.21e-04	0.0	0.0
117	17	0.10	0.0	7.33e-06	-0.06	0.0	2.19	-1.01	0.04	1.73e-04	-4.50e-03	0.10
		0.0	-4.50e-03	1.17e-05	0.0	10.0	2.19	-1.07	0.04	1.73e-04	0.0	0.0
117	18	0.12	0.0	9.21e-06	-0.06	0.0	2.28	-1.21	0.05	2.59e-04	-4.57e-03	0.12
		0.0	-4.57e-03	1.94e-05	0.0	10.0	2.28	-1.27	0.05	2.59e-04	0.0	0.0
117	20	0.17	0.07	0.0	-0.06	0.0	1.92	-1.64	-0.67	-9.28e-03	0.07	0.17
		0.0	0.0	-3.01e-05	0.0	10.0	1.92	-1.70	-0.67	-9.28e-03	0.0	0.0
117	21	0.08	0.0	1.88e-05	-0.06	0.0	2.63	-0.78	0.76	9.80e-03	-0.08	0.08
		0.0	-0.08	6.90e-05	0.0	10.0	2.63	-0.84	0.76	9.80e-03	0.0	0.0
117	28	0.16	0.05	0.0	-0.06	0.0	1.84	-1.52	-0.54	-7.54e-03	0.05	0.16
		0.0	0.0	-2.12e-05	0.0	10.0	1.84	-1.58	-0.54	-7.54e-03	0.0	0.0
117	29	0.09	0.0	1.78e-05	-0.06	0.0	2.72	-0.90	0.63	8.06e-03	-0.06	0.09
		0.0	-0.06	6.01e-05	0.0	10.0	2.72	-0.96	0.63	8.06e-03	0.0	0.0
117	35	0.20	0.0	3.31e-06	-0.06	0.0	2.42	-2.02	0.13	-3.96e-03	-0.01	0.20
		0.0	-0.01	1.60e-06	0.0	10.0	2.42	-2.08	0.13	-3.96e-03	0.0	0.0
117	37	0.17	0.0	9.56e-06	-0.06	0.0	2.59	-1.65	0.51	1.99e-03	-0.05	0.17
		0.0	-0.05	3.18e-05	0.0	10.0	2.59	-1.71	0.51	1.99e-03	0.0	0.0
117	52	0.15	0.05	2.13e-06	-0.06	0.0	1.99	-1.50	-0.50	-6.90e-03	0.05	0.15
		0.0	0.0	-1.79e-05	0.0	10.0	1.99	-1.57	-0.50	-6.90e-03	0.0	0.0
117	53	0.09	0.0	1.63e-05	-0.06	0.0	2.56	-0.91	0.59	7.42e-03	-0.06	0.09
		0.0	-0.06	5.67e-05	0.0	10.0	2.56	-0.97	0.59	7.42e-03	0.0	0.0
117	60	0.14	0.04	2.79e-06	-0.06	0.0	1.93	-1.42	-0.41	-5.63e-03	0.04	0.14
		0.0	0.0	-1.14e-05	0.0	10.0	1.93	-1.48	-0.41	-5.63e-03	0.0	0.0
117	61	0.10	0.0	1.56e-05	-0.06	0.0	2.63	-1.00	0.50	6.15e-03	-0.05	0.10
		0.0	-0.05	5.03e-05	0.0	10.0	2.63	-1.06	0.50	6.15e-03	0.0	0.0
117	67	0.19	0.0	4.14e-06	-0.06	0.0	2.42	-1.91	0.12	-3.10e-03	-0.01	0.19
		0.0	-0.01	5.60e-06	0.0	10.0	2.42	-1.97	0.12	-3.10e-03	0.0	0.0
117	69	0.17	0.0	8.88e-06	-0.06	0.0	2.55	-1.63	0.41	1.40e-03	-0.04	0.17
		0.0	-0.04	2.84e-05	0.0	10.0	2.55	-1.70	0.41	1.40e-03	0.0	0.0
117	84	0.15	0.04	2.92e-06	-0.06	0.0	2.02	-1.47	-0.44	-6.10e-03	0.04	0.15
		0.0	0.0	-1.37e-05	0.0	10.0	2.02	-1.53	-0.44	-6.10e-03	0.0	0.0
117	85	0.10	0.0	1.55e-05	-0.06	0.0	2.53	-0.95	0.53	6.62e-03	-0.05	0.10
		0.0	-0.05	5.26e-05	0.0	10.0	2.53	-1.01	0.53	6.62e-03	0.0	0.0
117	92	0.14	0.04	3.51e-06	-0.06	0.0	1.97	-1.39	-0.36	-4.97e-03	0.04	0.14
		0.0	0.0	-8.00e-06	0.0	10.0	1.97	-1.45	-0.36	-4.97e-03	0.0	0.0
117	93	0.11	0.0	1.49e-05	-0.06	0.0	2.59	-1.02	0.45	5.49e-03	-0.04	0.11
		0.0	-0.04	4.69e-05	0.0	10.0	2.59	-1.09	0.45	5.49e-03	0.0	0.0
117	99	0.19	0.0	4.65e-06	-0.06	0.0	2.40	-1.84	0.12	-2.74e-03	-0.01	0.19
		0.0	-0.01	7.10e-06	0.0	10.0	2.40	-1.90	0.12	-2.74e-03	0.0	0.0
117	101	0.16	0.0	8.87e-06	-0.06	0.0	2.52	-1.60	0.37	1.26e-03	-0.04	0.16
		0.0	-0.04	2.74e-05	0.0	10.0	2.52	-1.66	0.37	1.26e-03	0.0	0.0
117	115	0.22	0.06	-3.92e-06	-0.06	0.0	2.01	-2.14	-0.60	-0.01	0.06	0.22
		0.0	0.0	-4.05e-05	0.0	10.0	2.01	-2.20	-0.60	-0.01	0.0	0.0
117	116	0.17	0.08	-2.09e-06	-0.06	0.0	1.86	-1.72	-0.79	-0.01	0.08	0.17
		0.0	0.0	-3.87e-05	0.0	10.0	1.86	-1.78	-0.79	-0.01	0.0	0.0
117	117	0.07	0.0	2.05e-05	-0.06	0.0	2.70	-0.70	0.88	0.01	-0.09	0.07
		0.0	-0.09	7.75e-05	0.0	10.0	2.70	-0.76	0.88	0.01	0.0	0.0
117	124	0.16	0.06	0.0	-0.06	0.0	1.76	-1.58	-0.64	-8.81e-03	0.06	0.16
		0.0	0.0	-2.78e-05	0.0	10.0	1.76	-1.64	-0.64	-8.81e-03	0.0	0.0
117	125	0.09	0.0	1.93e-05	-0.06	0.0	2.80	-0.84	0.73	9.33e-03	-0.07	0.09
		0.0	-0.07	6.67e-05	0.0	10.0	2.80	-0.90	0.73	9.33e-03	0.0	0.0
117	133	0.17	0.0	9.82e-06	-0.06	0.0	2.63	-1.70	0.59	2.34e-03	-0.06	0.17
		0.0	-0.06	3.41e-05	0.0	10.0	2.63	-1.76	0.59	2.34e-03	0.0	0.0
118	2	3.08	0.0	-1.26e-04	-0.08	0.0	5.27e-03	30.85	-0.59	0.41	0.0	0.0
		0.0	-0.06	-5.49e-05	0.0	10.0	5.27e-03	30.77	-0.59	0.41	-0.06	3.08
118	3	0.50	0.0	-2.35e-05	-0.06	0.0	5.08e-04	5.04	-0.34	0.08	0.0	0.0
		0.0	-0.03	-1.19e-05	0.0	10.0	5.08e-04	4.98	-0.34	0.08	-0.03	0.50
118	5	0.60	0.0	-2.98e-05	-0.08	0.0	4.70e-04	6.03	-0.51	0.10	0.0	0.0
		0.0	-0.05	-1.60e-05	0.0	10.0	4.70e-04	5.95	-0.51	0.10	-0.05	0.60
118	6	2.27	0.0	-9.59e-05	-0.08	0.0	3.59e-03	22.74	-0.64	0.31	0.0	0.0
		0.0	-0.06	-4.38e-05	0.0	10.0	3.59e-03	22.66	-0.64	0.31	-0.06	2.27
118	7	0.41	0.0	-2.22e-05	-0.06	0.0	1.62e-04	4.10	-0.45	0.08	0.0	0.0
		0.0	-0.05	-1.28e-05	0.0	10.0	1.62e-04	4.04	-0.45	0.08	-0.05	0.41
118	9	0.55	0.0	-2.42e-05	-0.06	0.0	6.82e-04	5.51	-0.29	0.08	0.0	0.0
		0.0	-0.03	-1.15e-05	0.0	10.0	6.82e-04	5.45	-0.29	0.08	-0.03	0.55
118	10	2.14	0.0	-8.72e-05	-0.06	0.0	3.65e-03	21.43	-0.41	0.28	0.0	0.0
		0.0	-0.04	-3.80e-05	0.0	10.0	3.65e-03	21.37	-0.41	0.28	-0.04	2.14

118	11	0.49	0.0	-2.33e-05	-0.06	0.0	4.51e-04	4.88	-0.36	0.08	0.0	0.0
		0.0	-0.04	-1.21e-05	0.0	10.0	4.51e-04	4.82	-0.36	0.08	-0.04	0.49
118	12	1.60	0.0	-6.74e-05	-0.06	0.0	2.53e-03	16.02	-0.45	0.22	0.0	0.0
		0.0	-0.04	-3.06e-05	0.0	10.0	2.53e-03	15.96	-0.45	0.22	-0.04	1.60
118	13	0.64	0.0	-2.56e-05	-0.06	0.0	1.03e-03	6.46	-0.18	0.08	0.0	0.0
		0.0	-0.02	-1.06e-05	0.0	10.0	1.03e-03	6.39	-0.18	0.08	-0.02	0.64
118	14	1.44	0.0	-5.71e-05	-0.06	0.0	2.51e-03	14.41	-0.24	0.18	0.0	0.0
		0.0	-0.02	-2.39e-05	0.0	10.0	2.51e-03	14.35	-0.24	0.18	-0.02	1.44
118	15	0.61	0.0	-2.52e-05	-0.06	0.0	9.13e-04	6.14	-0.21	0.08	0.0	0.0
		0.0	-0.02	-1.09e-05	0.0	10.0	9.13e-04	6.08	-0.21	0.08	-0.02	0.61
118	16	1.09	0.0	-4.40e-05	-0.06	0.0	1.80e-03	10.92	-0.25	0.14	0.0	0.0
		0.0	-0.03	-1.89e-05	0.0	10.0	1.80e-03	10.85	-0.25	0.14	-0.03	1.09
118	17	0.64	0.0	-2.56e-05	-0.06	0.0	1.03e-03	6.46	-0.18	0.08	0.0	0.0
		0.0	-0.02	-1.06e-05	0.0	10.0	1.03e-03	6.39	-0.18	0.08	-0.02	0.64
118	18	1.12	0.0	-4.45e-05	-0.06	0.0	1.92e-03	11.23	-0.22	0.14	0.0	0.0
		0.0	-0.02	-1.86e-05	0.0	10.0	1.92e-03	11.17	-0.22	0.14	-0.02	1.12
118	20	0.83	0.28	-5.72e-05	-0.06	0.0	1.64	8.34	2.79	-0.04	0.0	0.0
		0.0	0.0	-2.82e-05	0.0	10.0	1.64	8.28	2.79	-0.04	0.28	0.83
118	21	1.41	0.0	-3.18e-05	-0.06	0.0	-1.63	14.12	-3.22	0.32	0.0	0.0
		0.0	-0.32	-8.87e-06	0.0	10.0	-1.63	14.06	-3.22	0.32	-0.32	1.41
118	27	1.00	0.20	-6.43e-05	-0.06	0.0	1.82	10.08	1.97	0.02	0.0	0.0
		0.0	0.0	-3.03e-05	0.0	10.0	1.82	10.02	1.97	0.02	0.20	1.00
118	30	1.24	0.0	-2.47e-05	-0.06	0.0	-1.82	12.38	-2.40	0.26	0.0	0.0
		0.0	-0.24	-6.82e-06	0.0	10.0	-1.82	12.32	-2.40	0.26	-0.24	1.24
118	37	1.42	0.0	-5.63e-05	-0.06	0.0	-0.29	14.18	-1.58	0.23	0.0	0.0
		0.0	-0.16	-2.18e-05	0.0	10.0	-0.29	14.12	-1.58	0.23	-0.16	1.42
118	45	1.43	0.0	-5.56e-05	-0.06	0.0	-0.39	14.28	-1.57	0.24	0.0	0.0
		0.0	-0.16	-2.11e-05	0.0	10.0	-0.39	14.22	-1.57	0.24	-0.16	1.43
118	52	0.89	0.21	-5.33e-05	-0.06	0.0	1.35	8.95	2.07	-8.73e-04	0.0	0.0
		0.0	0.0	-2.55e-05	0.0	10.0	1.35	8.89	2.07	-8.73e-04	0.21	0.89
118	53	1.35	0.0	-3.57e-05	-0.06	0.0	-1.34	13.51	-2.51	0.28	0.0	0.0
		0.0	-0.25	-1.16e-05	0.0	10.0	-1.34	13.45	-2.51	0.28	-0.25	1.35
118	59	1.04	0.14	-6.03e-05	-0.06	0.0	1.52	10.45	1.43	0.05	0.0	0.0
		0.0	0.0	-2.78e-05	0.0	10.0	1.52	10.39	1.43	0.05	0.14	1.04
118	62	1.20	0.0	-2.86e-05	-0.06	0.0	-1.52	12.01	-1.86	0.23	0.0	0.0
		0.0	-0.19	-9.30e-06	0.0	10.0	-1.52	11.95	-1.86	0.23	-0.19	1.20
118	69	1.38	0.0	-5.60e-05	-0.06	0.0	-0.23	13.79	-1.32	0.22	0.0	0.0
		0.0	-0.13	-2.21e-05	0.0	10.0	-0.23	13.73	-1.32	0.22	-0.13	1.38
118	77	1.38	0.0	-5.53e-05	-0.06	0.0	-0.31	13.85	-1.31	0.22	0.0	0.0
		0.0	-0.13	-2.16e-05	0.0	10.0	-0.31	13.79	-1.31	0.22	-0.13	1.38
118	84	0.92	0.18	-5.23e-05	-0.06	0.0	1.21	9.19	1.82	0.01	0.0	0.0
		0.0	0.0	-2.47e-05	0.0	10.0	1.21	9.13	1.82	0.01	0.18	0.92
118	85	1.32	0.0	-3.67e-05	-0.06	0.0	-1.21	13.27	-2.25	0.26	0.0	0.0
		0.0	-0.23	-1.24e-05	0.0	10.0	-1.21	13.21	-2.25	0.26	-0.23	1.32
118	91	1.05	0.12	-5.86e-05	-0.06	0.0	1.37	10.54	1.24	0.06	0.0	0.0
		0.0	0.0	-2.68e-05	0.0	10.0	1.37	10.48	1.24	0.06	0.12	1.05
118	94	1.19	0.0	-3.03e-05	-0.06	0.0	-1.37	11.92	-1.67	0.22	0.0	0.0
		0.0	-0.17	-1.03e-05	0.0	10.0	-1.37	11.86	-1.67	0.22	-0.17	1.19
118	101	1.35	0.0	-5.50e-05	-0.06	0.0	-0.20	13.54	-1.21	0.21	0.0	0.0
		0.0	-0.12	-2.18e-05	0.0	10.0	-0.20	13.47	-1.21	0.21	-0.12	1.35
118	109	1.36	0.0	-5.44e-05	-0.06	0.0	-0.28	13.59	-1.20	0.21	0.0	0.0
		0.0	-0.12	-2.13e-05	0.0	10.0	-0.28	13.53	-1.20	0.21	-0.12	1.36
118	116	0.78	0.33	-5.96e-05	-0.06	0.0	1.89	7.87	3.30	-0.07	0.0	0.0
		0.0	0.0	-3.00e-05	0.0	10.0	1.89	7.81	3.30	-0.07	0.33	0.78
118	117	1.46	0.0	-2.93e-05	-0.06	0.0	-1.89	14.59	-3.73	0.35	0.0	0.0
		0.0	-0.37	-7.10e-06	0.0	10.0	-1.89	14.53	-3.73	0.35	-0.37	1.46
118	123	0.98	0.23	-6.73e-05	-0.06	0.0	2.10	9.87	2.33	-5.21e-03	0.0	0.0
		0.0	0.0	-3.21e-05	0.0	10.0	2.10	9.81	2.33	-5.21e-03	0.23	0.98
118	126	1.26	0.0	-2.17e-05	-0.06	0.0	-2.10	12.59	-2.76	0.28	0.0	0.0
		0.0	-0.28	-5.02e-06	0.0	10.0	-2.10	12.53	-2.76	0.28	-0.28	1.26
118	133	1.46	0.0	-5.74e-05	-0.06	0.0	-0.34	14.59	-1.80	0.25	0.0	0.0
		0.0	-0.18	-2.20e-05	0.0	10.0	-0.34	14.53	-1.80	0.25	-0.18	1.46
118	141	1.47	0.0	-5.67e-05	-0.06	0.0	-0.45	14.72	-1.79	0.25	0.0	0.0
		0.0	-0.18	-2.12e-05	0.0	10.0	-0.45	14.66	-1.79	0.25	-0.18	1.47
119	2	16.21	4.07	-1.04e-03	-0.95	0.0	-7.83e-03	11.43	3.46	0.02	-0.07	3.06
		3.06	-0.07	-4.35e-04	0.0	120.0	-7.83e-03	10.48	3.46	0.02	4.07	16.21
119	3	2.97	1.02	-1.97e-04	-0.73	0.0	-2.29e-03	2.43	0.88	2.78e-03	-0.04	0.50
		0.50	-0.04	-9.06e-05	0.0	120.0	-2.29e-03	1.70	0.88	2.78e-03	1.02	2.97
119	6	12.36	3.36	-7.99e-04	-0.95	0.0	-6.84e-03	8.89	2.86	0.01	-0.08	2.26
		2.26	-0.08	-3.44e-04	0.0	120.0	-6.84e-03	7.94	2.86	0.01	3.36	12.36
119	7	2.81	1.14	-1.88e-04	-0.73	0.0	-2.82e-03	2.37	1.00	2.62e-03	-0.05	0.40
		0.40	-0.05	-9.57e-05	0.0	120.0	-2.82e-03	1.64	1.00	2.62e-03	1.14	2.81
119	9	3.06	0.95	-2.01e-04	-0.73	0.0	-2.03e-03	2.46	0.82	2.85e-03	-0.03	0.55
		0.55	-0.03	-8.80e-05	0.0	120.0	-2.03e-03	1.73	0.82	2.85e-03	0.95	3.06
119	10	11.23	2.83	-7.24e-04	-0.73	0.0	-5.42e-03	7.95	2.40	0.01	-0.05	2.13

		2.13	-0.05	-3.01e-04	0.0	120.0	-5.42e-03	7.22	2.40	0.01	2.83	11.23
119	11	2.94	1.04	-1.95e-04	-0.73	0.0	-2.38e-03	2.42	0.90	2.75e-03	-0.04	0.48
		0.48	-0.04	-9.14e-05	0.0	120.0	-2.38e-03	1.69	0.90	2.75e-03	1.04	2.94
119	12	8.67	2.35	-5.61e-04	-0.73	0.0	-4.76e-03	6.26	2.00	9.27e-03	-0.05	1.59
		1.59	-0.05	-2.40e-04	0.0	120.0	-4.76e-03	5.53	2.00	9.27e-03	2.35	8.67
119	13	3.22	0.82	-2.10e-04	-0.73	0.0	-1.50e-03	2.52	0.70	3.01e-03	-0.02	0.64
		0.64	-0.02	-8.28e-05	0.0	120.0	-1.50e-03	1.79	0.70	3.01e-03	0.82	3.22
119	14	7.31	1.76	-4.72e-04	-0.73	0.0	-3.19e-03	5.27	1.49	7.66e-03	-0.03	1.43
		1.43	-0.03	-1.90e-04	0.0	120.0	-3.19e-03	4.53	1.49	7.66e-03	1.76	7.31
119	15	3.17	0.87	-2.07e-04	-0.73	0.0	-1.67e-03	2.50	0.74	2.96e-03	-0.02	0.61
		0.61	-0.02	-8.46e-05	0.0	120.0	-1.67e-03	1.77	0.74	2.96e-03	0.87	3.17
119	17	3.22	0.82	-2.10e-04	-0.73	0.0	-1.50e-03	2.52	0.70	3.01e-03	-0.02	0.64
		0.64	-0.02	-8.28e-05	0.0	120.0	-1.50e-03	1.79	0.70	3.01e-03	0.82	3.22
119	18	5.68	1.38	-3.67e-04	-0.73	0.0	-2.51e-03	4.17	1.18	5.80e-03	-0.03	1.11
		1.11	-0.03	-1.47e-04	0.0	120.0	-2.51e-03	3.44	1.18	5.80e-03	1.38	5.68
119	22	4.22	2.79	-1.20e-04	-0.73	0.0	-0.93	2.83	2.59	5.42e-03	-0.32	1.26
		1.26	-0.32	6.25e-05	0.0	120.0	-0.93	2.10	2.59	5.42e-03	2.79	4.22
119	25	5.69	2.64	-2.03e-04	-0.73	0.0	-0.88	3.95	2.49	6.80e-03	-0.35	1.40
		1.40	-0.35	-4.96e-05	0.0	120.0	-0.88	3.21	2.49	6.80e-03	2.64	5.69
119	27	7.01	0.22	-5.85e-04	-0.73	0.0	0.95	5.37	-0.01	6.06e-03	0.22	1.00
		1.00	0.21	-3.25e-04	0.0	120.0	0.95	4.64	-0.01	6.06e-03	0.21	7.01
119	30	4.34	2.56	-1.52e-04	-0.73	0.0	-0.96	2.96	2.37	5.54e-03	-0.28	1.23
		1.23	-0.28	-3.32e-05	0.0	120.0	-0.96	2.23	2.37	5.54e-03	2.56	4.34
119	35	8.40	0.73	-5.81e-04	-0.73	0.0	0.38	6.31	0.59	8.15e-03	0.01	1.28
		1.28	0.01	-3.05e-04	0.0	120.0	0.38	5.58	0.59	8.15e-03	0.73	8.40
119	44	3.49	1.20	-2.87e-04	-0.73	0.0	0.20	2.58	0.91	3.55e-03	0.12	0.81
		0.81	0.12	-1.06e-04	0.0	120.0	0.20	1.85	0.91	3.55e-03	1.20	3.49
119	53	5.83	2.32	-2.49e-04	-0.73	0.0	-0.71	4.11	2.16	6.77e-03	-0.28	1.34
		1.34	-0.28	-7.15e-05	0.0	120.0	-0.71	3.37	2.16	6.77e-03	2.32	5.83
119	54	4.47	2.45	-1.69e-04	-0.73	0.0	-0.77	3.07	2.25	5.43e-03	-0.25	1.22
		1.22	-0.25	-3.98e-05	0.0	120.0	-0.77	2.34	2.25	5.43e-03	2.45	4.47
119	59	6.80	0.48	-5.40e-04	-0.73	0.0	0.79	5.17	0.26	6.07e-03	0.16	1.04
		1.04	0.16	-2.87e-04	0.0	120.0	0.79	4.43	0.26	6.07e-03	0.48	6.80
119	62	4.55	2.29	-1.94e-04	-0.73	0.0	-0.80	3.17	2.09	5.53e-03	-0.22	1.19
		1.19	-0.22	-5.00e-05	0.0	120.0	-0.80	2.44	2.09	5.53e-03	2.29	4.55
119	67	8.11	0.86	-5.51e-04	-0.73	0.0	0.32	6.06	0.71	7.93e-03	-3.05e-03	1.27
		1.27	-3.05e-03	-2.82e-04	0.0	120.0	0.32	5.33	0.71	7.93e-03	0.86	8.11
119	76	3.68	1.27	-2.85e-04	-0.73	0.0	0.16	2.71	0.99	3.78e-03	0.09	0.85
		0.85	0.09	-1.03e-04	0.0	120.0	0.16	1.97	0.99	3.78e-03	1.27	3.68
119	85	5.82	2.21	-2.63e-04	-0.73	0.0	-0.64	4.12	2.05	6.68e-03	-0.25	1.32
		1.32	-0.25	-7.82e-05	0.0	120.0	-0.64	3.39	2.05	6.68e-03	2.21	5.82
119	86	4.59	2.34	-1.90e-04	-0.73	0.0	-0.69	3.18	2.13	5.47e-03	-0.22	1.21
		1.21	-0.22	-4.77e-05	0.0	120.0	-0.69	2.45	2.13	5.47e-03	2.34	4.59
119	91	6.68	0.58	-5.21e-04	-0.73	0.0	0.72	5.06	0.37	6.04e-03	0.14	1.05
		1.05	0.14	-2.72e-04	0.0	120.0	0.72	4.33	0.37	6.04e-03	0.58	6.68
119	94	4.67	2.19	-2.13e-04	-0.73	0.0	-0.72	3.27	1.99	5.56e-03	-0.19	1.18
		1.18	-0.19	-5.77e-05	0.0	120.0	-0.72	2.54	1.99	5.56e-03	2.19	4.67
119	99	7.87	0.91	-5.33e-04	-0.73	0.0	0.29	5.88	0.76	7.73e-03	-6.30e-03	1.25
		1.25	-6.30e-03	-2.68e-04	0.0	120.0	0.29	5.15	0.76	7.73e-03	0.91	7.87
119	108	3.86	1.28	-2.92e-04	-0.73	0.0	0.15	2.84	1.01	3.98e-03	0.08	0.88
		0.88	0.08	-1.06e-04	0.0	120.0	0.15	2.11	1.01	3.98e-03	1.28	3.86
119	118	4.01	3.02	-8.61e-05	-0.73	0.0	-1.07	2.62	2.83	5.38e-03	-0.37	1.29
		1.29	-0.37	9.71e-05	0.0	120.0	-1.07	1.89	2.83	5.38e-03	3.02	4.01
119	121	5.67	2.86	-1.76e-04	-0.73	0.0	-1.01	3.88	2.72	6.94e-03	-0.41	1.45
		1.45	-0.41	-3.81e-05	0.0	120.0	-1.01	3.15	2.72	6.94e-03	2.86	5.67
119	123	7.20	0.26	-6.19e-04	-0.73	0.0	1.10	5.55	-0.20	6.08e-03	0.26	0.98
		0.98	0.02	-3.53e-04	0.0	120.0	1.10	4.82	-0.20	6.08e-03	0.02	7.20
119	126	4.16	2.75	-1.22e-04	-0.73	0.0	-1.10	2.79	2.56	5.51e-03	-0.32	1.25
		1.25	-0.32	5.88e-05	0.0	120.0	-1.10	2.06	2.56	5.51e-03	2.75	4.16
119	131	8.75	0.63	-6.11e-04	-0.73	0.0	0.43	6.59	0.49	8.45e-03	0.02	1.29
		1.29	0.02	-3.27e-04	0.0	120.0	0.43	5.86	0.49	8.45e-03	0.63	8.75
119	140	3.22	1.16	-2.79e-04	-0.73	0.0	0.24	2.39	0.86	3.26e-03	0.14	0.77
		0.77	0.14	-1.03e-04	0.0	120.0	0.24	1.66	0.86	3.26e-03	1.16	3.22
120	2	16.90	4.08	-2.70e-05	-0.32	0.0	-7.90e-03	1.91	-5.53	1.19e-03	4.08	16.20
		16.20	1.87	7.20e-05	0.0	40.0	-7.90e-03	1.59	-5.53	1.19e-03	1.87	16.90
120	3	3.16	1.02	-5.49e-06	-0.24	0.0	-2.00e-03	0.61	-1.36	1.42e-03	1.02	2.97
		2.97	0.47	2.39e-05	0.0	40.0	-2.00e-03	0.36	-1.36	1.42e-03	0.47	3.16
120	7	3.02	1.15	-5.70e-06	-0.24	0.0	-2.39e-03	0.67	-1.50	1.70e-03	1.15	2.81
		2.81	0.54	2.91e-05	0.0	40.0	-2.39e-03	0.43	-1.50	1.70e-03	0.54	3.02
120	9	3.23	0.95	-5.40e-06	-0.24	0.0	-1.81e-03	0.57	-1.29	1.29e-03	0.95	3.05
		3.05	0.44	2.13e-05	0.0	40.0	-1.81e-03	0.33	-1.29	1.29e-03	0.44	3.23
120	10	11.72	2.83	-1.87e-05	-0.24	0.0	-5.46e-03	1.34	-3.84	9.30e-04	2.83	11.23
		11.23	1.29	5.01e-05	0.0	40.0	-5.46e-03	1.10	-3.84	9.30e-04	1.29	11.72
120	11	3.14	1.04	-5.52e-06	-0.24	0.0	-2.07e-03	0.62	-1.39	1.47e-03	1.04	2.94
		2.94	0.48	2.48e-05	0.0	40.0	-2.07e-03	0.37	-1.39	1.47e-03	0.48	3.14

120	13	3.37	0.82	-5.22e-06	-0.24	0.0	-1.42e-03	0.51	-1.15	1.01e-03	0.82	3.22
		3.22	0.36	1.60e-05	0.0	40.0	-1.42e-03	0.26	-1.15	1.01e-03	0.36	3.37
120	14	7.62	1.76	-1.19e-05	-0.24	0.0	-3.25e-03	0.89	-2.42	8.34e-04	1.76	7.31
		7.31	0.79	3.05e-05	0.0	40.0	-3.25e-03	0.65	-2.42	8.34e-04	0.79	7.62
120	15	3.33	0.87	-5.28e-06	-0.24	0.0	-1.55e-03	0.53	-1.20	1.10e-03	0.87	3.17
		3.17	0.39	1.78e-05	0.0	40.0	-1.55e-03	0.28	-1.20	1.10e-03	0.39	3.33
120	17	3.37	0.82	-5.22e-06	-0.24	0.0	-1.42e-03	0.51	-1.15	1.01e-03	0.82	3.22
		3.22	0.36	1.60e-05	0.0	40.0	-1.42e-03	0.26	-1.15	1.01e-03	0.36	3.37
120	18	5.92	1.39	-9.20e-06	-0.24	0.0	-2.52e-03	0.74	-1.91	9.05e-04	1.39	5.67
		5.67	0.62	2.47e-05	0.0	40.0	-2.52e-03	0.49	-1.91	9.05e-04	0.62	5.92
120	20	5.62	0.16	-5.71e-05	-0.24	0.0	0.03	-0.10	-2.00	1.35e-03	0.16	5.62
		5.53	-0.65	-8.94e-05	0.0	40.0	0.03	-0.35	-2.00	1.35e-03	-0.65	5.53
120	21	6.31	2.61	5.92e-05	-0.24	0.0	-0.03	1.58	-1.83	4.55e-04	2.61	5.73
		5.73	1.89	1.39e-04	0.0	40.0	-0.03	1.33	-1.83	4.55e-04	1.89	6.31
120	22	4.89	2.77	5.85e-05	-0.24	0.0	-0.03	1.82	-3.02	3.84e-03	2.77	4.22
		4.22	1.55	1.65e-04	0.0	40.0	-0.03	1.58	-3.02	3.84e-03	1.55	4.89
120	24	5.66	0.15	-5.72e-05	-0.24	0.0	0.03	-0.10	-1.97	1.38e-03	0.15	5.66
		5.56	-0.66	-9.12e-05	0.0	40.0	0.03	-0.34	-1.97	1.38e-03	-0.66	5.56
120	35	8.41	0.85	-2.27e-05	-0.24	0.0	5.33e-03	0.03	0.23	-5.11e-03	0.73	8.40
		8.39	0.73	-5.75e-05	0.0	40.0	5.33e-03	-0.21	0.23	-5.11e-03	0.85	8.39
120	38	3.45	2.04	1.73e-05	-0.24	0.0	-0.01	1.44	-4.06	6.92e-03	2.04	2.95
		2.95	0.39	1.07e-04	0.0	40.0	-0.01	1.20	-4.06	6.92e-03	0.39	3.45
120	52	5.53	0.47	-4.29e-05	-0.24	0.0	0.02	0.12	-2.06	1.49e-03	0.47	5.52
		5.52	-0.36	-5.95e-05	0.0	40.0	0.02	-0.13	-2.06	1.49e-03	-0.36	5.52
120	53	6.32	2.30	4.50e-05	-0.24	0.0	-0.03	1.36	-1.76	3.19e-04	2.30	5.82
		5.82	1.61	1.09e-04	0.0	40.0	-0.03	1.11	-1.76	3.19e-04	1.61	6.32
120	54	5.04	2.44	4.44e-05	-0.24	0.0	-0.02	1.57	-2.84	3.39e-03	2.44	4.46
		4.46	1.30	1.33e-04	0.0	40.0	-0.02	1.33	-2.84	3.39e-03	1.30	5.04
120	56	5.56	0.46	-4.30e-05	-0.24	0.0	0.02	0.12	-2.04	1.52e-03	0.46	5.56
		5.55	-0.37	-6.11e-05	0.0	40.0	0.02	-0.13	-2.04	1.52e-03	-0.37	5.55
120	67	8.14	0.88	-1.97e-05	-0.24	0.0	3.40e-03	0.16	7.81e-04	-4.50e-03	0.86	8.10
		8.10	0.86	-4.41e-05	0.0	40.0	3.40e-03	-0.09	7.81e-04	-4.50e-03	0.88	8.13
120	70	3.71	1.91	1.32e-05	-0.24	0.0	-8.43e-03	1.32	-3.83	6.31e-03	1.91	3.24
		3.24	0.36	9.35e-05	0.0	40.0	-8.43e-03	1.07	-3.83	6.31e-03	0.36	3.71
120	84	5.56	0.57	-3.81e-05	-0.24	0.0	0.02	0.19	-2.06	1.45e-03	0.57	5.53
		5.53	-0.26	-5.00e-05	0.0	40.0	0.02	-0.06	-2.06	1.45e-03	-0.26	5.55
120	85	6.29	2.20	4.01e-05	-0.24	0.0	-0.02	1.29	-1.77	3.63e-04	2.20	5.82
		5.82	1.50	9.94e-05	0.0	40.0	-0.02	1.04	-1.77	3.63e-04	1.50	6.29
120	86	5.13	2.32	3.96e-05	-0.24	0.0	-0.02	1.48	-2.74	3.14e-03	2.32	4.59
		4.59	1.22	1.21e-04	0.0	40.0	-0.02	1.24	-2.74	3.14e-03	1.22	5.13
120	88	5.58	0.56	-3.81e-05	-0.24	0.0	0.02	0.19	-2.03	1.47e-03	0.56	5.56
		5.56	-0.26	-5.14e-05	0.0	40.0	0.02	-0.06	-2.03	1.47e-03	-0.26	5.58
120	99	7.92	0.91	-1.85e-05	-0.24	0.0	2.75e-03	0.22	-0.19	-3.98e-03	0.91	7.87
		7.87	0.86	-3.70e-05	0.0	40.0	2.75e-03	-0.03	-0.19	-3.98e-03	0.86	7.92
120	102	3.92	1.86	1.18e-05	-0.24	0.0	-7.78e-03	1.26	-3.64	5.79e-03	1.86	3.48
		3.48	0.38	8.64e-05	0.0	40.0	-7.78e-03	1.01	-3.64	5.79e-03	0.38	3.92
120	116	5.65	-0.05	-6.72e-05	-0.24	0.0	0.03	-0.25	-1.99	1.35e-03	-0.05	5.65
		5.49	-0.86	-1.10e-04	0.0	40.0	0.03	-0.49	-1.99	1.35e-03	-0.86	5.49
120	117	6.35	2.83	6.92e-05	-0.24	0.0	-0.04	1.72	-1.84	4.59e-04	2.83	5.70
		5.70	2.10	1.59e-04	0.0	40.0	-0.04	1.48	-1.84	4.59e-04	2.10	6.35
120	118	4.75	3.00	6.85e-05	-0.24	0.0	-0.04	2.01	-3.18	4.26e-03	3.00	4.00
		4.00	1.72	1.89e-04	0.0	40.0	-0.04	1.76	-3.18	4.26e-03	1.72	4.75
120	120	5.69	-0.07	-6.72e-05	-0.24	0.0	0.03	-0.25	-1.95	1.39e-03	-0.07	5.69
		5.52	-0.87	-1.12e-04	0.0	40.0	0.03	-0.49	-1.95	1.39e-03	-0.87	5.52
120	131	8.75	0.87	-2.50e-05	-0.24	0.0	6.69e-03	-0.08	0.51	-5.87e-03	0.63	8.75
		8.70	0.63	-6.95e-05	0.0	40.0	6.69e-03	-0.32	0.51	-5.87e-03	0.87	8.70
120	134	3.14	2.14	2.02e-05	-0.24	0.0	-0.01	1.55	-4.33	7.68e-03	2.14	2.59
		2.59	0.37	1.19e-04	0.0	40.0	-0.01	1.31	-4.33	7.68e-03	0.37	3.14
129	2	16.91	1.88	1.08e-03	-0.95	0.0	-4.68e-03	-11.44	-1.71	-0.03	1.88	16.91
		2.61	-0.17	5.70e-04	0.0	120.0	-4.68e-03	-12.39	-1.71	-0.03	-0.17	2.61
129	3	3.17	0.48	2.04e-04	-0.73	0.0	-8.70e-04	-1.78	-0.47	-4.38e-03	0.48	3.17
		0.59	-0.09	1.58e-04	0.0	120.0	-8.70e-04	-2.52	-0.47	-4.38e-03	-0.09	0.59
129	6	12.95	1.57	8.24e-04	-0.95	0.0	-3.70e-03	-8.56	-1.45	-0.02	1.57	12.95
		2.11	-0.18	4.84e-04	0.0	120.0	-3.70e-03	-9.51	-1.45	-0.02	-0.18	2.11
129	9	3.24	0.44	2.08e-04	-0.73	0.0	-8.22e-04	-1.87	-0.43	-4.42e-03	0.44	3.24
		0.55	-0.07	1.45e-04	0.0	120.0	-8.22e-04	-2.60	-0.43	-4.42e-03	-0.07	0.55
129	10	11.72	1.30	7.46e-04	-0.73	0.0	-3.22e-03	-7.90	-1.19	-0.02	1.30	11.72
		1.81	-0.12	3.95e-04	0.0	120.0	-3.22e-03	-8.63	-1.19	-0.02	-0.12	1.81
129	12	9.08	1.09	5.78e-04	-0.73	0.0	-2.56e-03	-5.98	-1.01	-0.01	1.09	9.08
		1.47	-0.12	3.38e-04	0.0	120.0	-2.56e-03	-6.71	-1.01	-0.01	-0.12	1.47
129	13	3.38	0.37	2.18e-04	-0.73	0.0	-7.25e-04	-2.04	-0.34	-4.51e-03	0.37	3.38
		0.49	-0.04	1.17e-04	0.0	120.0	-7.25e-04	-2.77	-0.34	-4.51e-03	-0.04	0.49
129	14	7.62	0.80	4.87e-04	-0.73	0.0	-1.92e-03	-5.05	-0.72	-0.01	0.80	7.62
		1.12	-0.07	2.42e-04	0.0	120.0	-1.92e-03	-5.78	-0.72	-0.01	-0.07	1.12
129	16	5.88	0.65	3.76e-04	-0.73	0.0	-1.48e-03	-3.79	-0.60	-8.38e-03	0.65	5.88

		0.89	-0.07	2.01e-04	0.0	120.0	-1.48e-03	-4.52	-0.60	-8.38e-03	-0.07	0.89
129	17	3.38	0.37	2.18e-04	-0.73	0.0	-7.25e-04	-2.04	-0.34	-4.51e-03	0.37	3.38
		0.49	-0.04	1.17e-04	0.0	120.0	-7.25e-04	-2.77	-0.34	-4.51e-03	-0.04	0.49
129	18	5.92	0.63	3.80e-04	-0.73	0.0	-1.44e-03	-3.85	-0.57	-8.41e-03	0.63	5.92
		0.87	-0.06	1.92e-04	0.0	120.0	-1.44e-03	-4.58	-0.57	-8.41e-03	-0.06	0.87
129	24	5.57	0.11	1.88e-04	-0.73	0.0	-0.86	-3.45	0.58	-0.01	-0.59	5.57
		0.99	-0.59	-3.56e-04	0.0	120.0	-0.86	-4.19	0.58	-0.01	0.11	0.99
129	25	6.27	1.84	5.71e-04	-0.73	0.0	0.86	-4.24	-1.72	-5.82e-03	1.84	6.27
		0.74	-0.22	7.41e-04	0.0	120.0	0.86	-4.97	-1.72	-5.82e-03	-0.22	0.74
129	26	4.90	1.50	4.85e-04	-0.73	0.0	0.90	-3.17	-1.47	-5.12e-03	1.50	4.90
		0.66	-0.27	7.57e-04	0.0	120.0	0.90	-3.90	-1.47	-5.12e-03	-0.27	0.66
129	27	6.92	0.11	3.02e-04	-0.73	0.0	-0.95	-4.54	0.13	-0.01	-0.05	6.92
		1.04	-0.05	-2.81e-04	0.0	120.0	-0.95	-5.27	0.13	-0.01	0.11	1.04
129	30	4.93	1.30	4.57e-04	-0.73	0.0	0.94	-3.16	-1.27	-5.46e-03	1.30	4.93
		0.70	-0.22	6.66e-04	0.0	120.0	0.94	-3.89	-1.27	-5.46e-03	-0.22	0.70
129	35	8.40	0.88	4.84e-04	-0.73	0.0	-0.38	-5.77	-0.66	-0.01	0.88	8.40
		1.04	0.09	-3.31e-05	0.0	120.0	-0.38	-6.50	-0.66	-0.01	0.09	1.04
129	56	5.56	0.06	2.29e-04	-0.73	0.0	-0.71	-3.47	0.32	-0.01	-0.32	5.56
		0.96	-0.32	-2.21e-04	0.0	120.0	-0.71	-4.20	0.32	-0.01	0.06	0.96
129	57	6.28	1.57	5.31e-04	-0.73	0.0	0.71	-4.22	-1.46	-6.49e-03	1.57	6.28
		0.78	-0.18	6.06e-04	0.0	120.0	0.71	-4.95	-1.46	-6.49e-03	-0.18	0.78
129	58	5.05	1.26	4.53e-04	-0.73	0.0	0.74	-3.25	-1.23	-5.88e-03	1.26	5.05
		0.71	-0.22	6.21e-04	0.0	120.0	0.74	-3.99	-1.23	-5.88e-03	-0.22	0.71
129	59	6.78	0.13	3.27e-04	-0.73	0.0	-0.79	-4.45	-0.05	-0.01	0.13	6.78
		1.00	0.07	-1.70e-04	0.0	120.0	-0.79	-5.18	-0.05	-0.01	0.07	1.00
129	62	5.06	1.12	4.32e-04	-0.73	0.0	0.79	-3.24	-1.09	-6.12e-03	1.12	5.06
		0.73	-0.19	5.55e-04	0.0	120.0	0.79	-3.97	-1.09	-6.12e-03	-0.19	0.73
129	67	8.14	0.90	4.80e-04	-0.73	0.0	-0.32	-5.57	-0.69	-0.01	0.90	8.14
		1.02	0.07	2.15e-05	0.0	120.0	-0.32	-6.30	-0.69	-0.01	0.07	1.02
129	88	5.59	0.05	2.45e-04	-0.73	0.0	-0.64	-3.51	0.22	-0.01	-0.22	5.59
		0.94	-0.22	-1.75e-04	0.0	120.0	-0.64	-4.24	0.22	-0.01	0.05	0.94
129	89	6.25	1.47	5.15e-04	-0.73	0.0	0.64	-4.19	-1.36	-6.71e-03	1.47	6.25
		0.79	-0.16	5.60e-04	0.0	120.0	0.64	-4.92	-1.36	-6.71e-03	-0.16	0.79
129	90	5.14	1.19	4.45e-04	-0.73	0.0	0.67	-3.31	-1.16	-6.15e-03	1.19	5.14
		0.72	-0.20	5.73e-04	0.0	120.0	0.67	-4.04	-1.16	-6.15e-03	-0.20	0.72
129	91	6.69	0.19	3.34e-04	-0.73	0.0	-0.71	-4.39	-0.11	-0.01	0.19	6.69
		0.99	0.06	-1.30e-04	0.0	120.0	-0.71	-5.12	-0.11	-0.01	0.06	0.99
129	94	5.15	1.06	4.26e-04	-0.73	0.0	0.71	-3.30	-1.03	-6.37e-03	1.06	5.15
		0.75	-0.17	5.15e-04	0.0	120.0	0.71	-4.03	-1.03	-6.37e-03	-0.17	0.75
129	99	7.93	0.87	4.71e-04	-0.73	0.0	-0.29	-5.41	-0.69	-9.84e-03	0.87	7.93
		1.00	0.05	3.98e-05	0.0	120.0	-0.29	-6.14	-0.69	-9.84e-03	0.05	1.00
129	120	5.55	0.14	1.57e-04	-0.73	0.0	-1.00	-3.41	0.77	-0.01	-0.79	5.55
		1.01	-0.79	-4.51e-04	0.0	120.0	-1.00	-4.14	0.77	-0.01	0.14	1.01
129	121	6.30	2.04	6.03e-04	-0.73	0.0	0.99	-4.28	-1.91	-5.36e-03	2.04	6.30
		0.72	-0.25	8.36e-04	0.0	120.0	0.99	-5.01	-1.91	-5.36e-03	-0.25	0.72
129	122	4.76	1.65	5.06e-04	-0.73	0.0	1.04	-3.07	-1.63	-4.57e-03	1.65	4.76
		0.63	-0.30	8.54e-04	0.0	120.0	1.04	-3.80	-1.63	-4.57e-03	-0.30	0.63
129	123	7.05	0.13	2.88e-04	-0.73	0.0	-1.09	-4.63	0.25	-0.01	-0.17	7.05
		1.06	-0.17	-3.57e-04	0.0	120.0	-1.09	-5.36	0.25	-0.01	0.13	1.06
129	126	4.79	1.42	4.71e-04	-0.73	0.0	1.09	-3.07	-1.39	-5.00e-03	1.42	4.79
		0.67	-0.25	7.42e-04	0.0	120.0	1.09	-3.80	-1.39	-5.00e-03	-0.25	0.67
129	131	8.71	0.89	4.94e-04	-0.73	0.0	-0.43	-6.01	-0.66	-0.01	0.89	8.71
		1.07	0.11	-5.91e-05	0.0	120.0	-0.43	-6.74	-0.66	-0.01	0.11	1.07
130	1	0.74	0.0	3.25e-05	-0.08	0.0	-5.91e-04	-7.35	0.89	-0.08	-0.09	0.74
		0.0	-0.09	1.79e-05	0.0	10.0	-5.91e-04	-7.43	0.89	-0.08	0.0	0.0
130	2	2.64	0.0	1.28e-04	-0.08	0.0	-4.87e-03	-26.32	1.31	-0.30	-0.13	2.64
		0.0	-0.13	5.47e-05	0.0	10.0	-4.87e-03	-26.40	1.31	-0.30	0.0	0.0
130	6	2.13	0.0	9.84e-05	-0.08	0.0	-3.22e-03	-21.26	1.47	-0.23	-0.15	2.13
		0.0	-0.15	4.60e-05	0.0	10.0	-3.22e-03	-21.34	1.47	-0.23	0.0	0.0
130	7	0.65	0.0	2.39e-05	-0.06	0.0	4.16e-05	-6.50	1.07	-0.06	-0.11	0.65
		0.0	-0.11	1.69e-05	0.0	10.0	4.16e-05	-6.56	1.07	-0.06	0.0	0.0
130	9	0.56	0.0	2.52e-05	-0.06	0.0	-5.11e-04	-5.56	0.64	-0.06	-0.06	0.56
		0.0	-0.06	1.34e-05	0.0	10.0	-5.11e-04	-5.62	0.64	-0.06	0.0	0.0
130	10	1.82	0.0	8.87e-05	-0.06	0.0	-3.36e-03	-18.21	0.92	-0.21	-0.09	1.82
		0.0	-0.09	3.79e-05	0.0	10.0	-3.36e-03	-18.27	0.92	-0.21	0.0	0.0
130	11	0.60	0.0	2.46e-05	-0.06	0.0	-2.65e-04	-5.98	0.83	-0.06	-0.08	0.60
		0.0	-0.08	1.50e-05	0.0	10.0	-2.65e-04	-6.04	0.83	-0.06	0.0	0.0
130	12	1.49	0.0	6.91e-05	-0.06	0.0	-2.26e-03	-14.83	1.03	-0.16	-0.10	1.49
		0.0	-0.10	3.21e-05	0.0	10.0	-2.26e-03	-14.89	1.03	-0.16	0.0	0.0
130	13	0.50	0.0	2.60e-05	-0.06	0.0	-8.79e-04	-4.93	0.35	-0.06	-0.04	0.50
		0.0	-0.04	1.11e-05	0.0	10.0	-8.79e-04	-4.99	0.35	-0.06	0.0	0.0
130	14	1.13	0.0	5.78e-05	-0.06	0.0	-2.31e-03	-11.25	0.50	-0.14	-0.05	1.13
		0.0	-0.05	2.33e-05	0.0	10.0	-2.31e-03	-11.31	0.50	-0.14	0.0	0.0
130	15	0.52	0.0	2.57e-05	-0.06	0.0	-7.57e-04	-5.14	0.45	-0.06	-0.04	0.52
		0.0	-0.04	1.18e-05	0.0	10.0	-7.57e-04	-5.20	0.45	-0.06	0.0	0.0

130	16	0.90	0.0	4.48e-05	-0.06	0.0	-1.61e-03	-8.93	0.53	-0.11	-0.05	0.90
		0.0	-0.05	1.92e-05	0.0	10.0	-1.61e-03	-8.99	0.53	-0.11	0.0	0.0
130	17	0.50	0.0	2.60e-05	-0.06	0.0	-8.79e-04	-4.93	0.35	-0.06	-0.04	0.50
		0.0	-0.04	1.11e-05	0.0	10.0	-8.79e-04	-4.99	0.35	-0.06	0.0	0.0
130	18	0.88	0.0	4.51e-05	-0.06	0.0	-1.74e-03	-8.72	0.44	-0.11	-0.04	0.88
		0.0	-0.04	1.84e-05	0.0	10.0	-1.74e-03	-8.78	0.44	-0.11	0.0	0.0
130	19	1.10	0.22	3.87e-05	-0.06	0.0	-1.77	-10.94	-2.24	-0.21	0.22	1.10
		0.0	0.0	-3.12e-05	0.0	10.0	-1.77	-11.00	-2.24	-0.21	0.0	0.0
130	22	0.65	0.0	5.14e-05	-0.06	0.0	1.76	-6.51	3.12	2.66e-03	-0.31	0.65
		0.0	-0.31	6.81e-05	0.0	10.0	1.76	-6.57	3.12	2.66e-03	0.0	0.0
130	23	1.10	0.22	3.86e-05	-0.06	0.0	-1.74	-10.96	-2.20	-0.21	0.22	1.10
		0.0	0.0	-3.07e-05	0.0	10.0	-1.74	-11.02	-2.20	-0.21	0.0	0.0
130	27	1.07	0.18	4.07e-05	-0.06	0.0	-1.82	-10.62	-1.82	-0.19	0.18	1.07
		0.0	0.0	-2.26e-05	0.0	10.0	-1.82	-10.68	-1.82	-0.19	0.0	0.0
130	30	0.69	0.0	4.94e-05	-0.06	0.0	1.82	-6.82	2.69	-0.02	-0.27	0.69
		0.0	-0.27	5.95e-05	0.0	10.0	1.82	-6.88	2.69	-0.02	0.0	0.0
130	49	0.97	0.0	6.37e-05	-0.06	0.0	0.41	-9.67	0.27	-0.11	-0.03	0.97
		0.0	-0.03	3.17e-05	0.0	10.0	0.41	-9.73	0.27	-0.11	0.0	0.0
130	51	1.05	0.16	4.10e-05	-0.06	0.0	-1.46	-10.45	-1.62	-0.19	0.16	1.05
		0.0	0.0	-1.91e-05	0.0	10.0	-1.46	-10.51	-1.62	-0.19	0.0	0.0
130	54	0.70	0.0	4.91e-05	-0.06	0.0	1.46	-6.99	2.50	-0.02	-0.25	0.70
		0.0	-0.25	5.59e-05	0.0	10.0	1.46	-7.05	2.50	-0.02	0.0	0.0
130	55	1.05	0.16	4.09e-05	-0.06	0.0	-1.44	-10.47	-1.59	-0.19	0.16	1.05
		0.0	0.0	-1.86e-05	0.0	10.0	-1.44	-10.53	-1.59	-0.19	0.0	0.0
130	59	1.03	0.13	4.25e-05	-0.06	0.0	-1.52	-10.22	-1.32	-0.17	0.13	1.03
		0.0	0.0	-1.28e-05	0.0	10.0	-1.52	-10.28	-1.32	-0.17	0.0	0.0
130	62	0.73	0.0	4.76e-05	-0.06	0.0	1.52	-7.22	2.19	-0.04	-0.22	0.73
		0.0	-0.22	4.97e-05	0.0	10.0	1.52	-7.28	2.19	-0.04	0.0	0.0
130	81	0.96	0.0	6.16e-05	-0.06	0.0	0.33	-9.62	0.21	-0.11	-0.02	0.96
		0.0	-0.02	2.87e-05	0.0	10.0	0.33	-9.68	0.21	-0.11	0.0	0.0
130	83	1.03	0.14	4.15e-05	-0.06	0.0	-1.32	-10.26	-1.40	-0.18	0.14	1.03
		0.0	0.0	-1.50e-05	0.0	10.0	-1.32	-10.32	-1.40	-0.18	0.0	0.0
130	86	0.72	0.0	4.86e-05	-0.06	0.0	1.31	-7.18	2.28	-0.03	-0.23	0.72
		0.0	-0.23	5.18e-05	0.0	10.0	1.31	-7.24	2.28	-0.03	0.0	0.0
130	87	1.03	0.14	4.14e-05	-0.06	0.0	-1.29	-10.28	-1.37	-0.18	0.14	1.03
		0.0	0.0	-1.45e-05	0.0	10.0	-1.29	-10.34	-1.37	-0.18	0.0	0.0
130	91	1.01	0.11	4.28e-05	-0.06	0.0	-1.37	-10.06	-1.13	-0.17	0.11	1.01
		0.0	0.0	-9.38e-06	0.0	10.0	-1.37	-10.12	-1.13	-0.17	0.0	0.0
130	94	0.74	0.0	4.73e-05	-0.06	0.0	1.37	-7.38	2.00	-0.04	-0.20	0.74
		0.0	-0.20	4.62e-05	0.0	10.0	1.37	-7.45	2.00	-0.04	0.0	0.0
130	113	0.96	0.0	6.00e-05	-0.06	0.0	0.30	-9.54	0.22	-0.11	-0.02	0.96
		0.0	-0.02	2.76e-05	0.0	10.0	0.30	-9.60	0.22	-0.11	0.0	0.0
130	115	1.13	0.27	3.74e-05	-0.06	0.0	-2.04	-11.30	-2.69	-0.23	0.27	1.13
		0.0	0.0	-3.98e-05	0.0	10.0	-2.04	-11.36	-2.69	-0.23	0.0	0.0
130	118	0.62	0.0	5.27e-05	-0.06	0.0	2.03	-6.14	3.56	0.02	-0.36	0.62
		0.0	-0.36	7.66e-05	0.0	10.0	2.03	-6.20	3.56	0.02	0.0	0.0
130	119	1.14	0.26	3.73e-05	-0.06	0.0	-2.01	-11.33	-2.64	-0.23	0.26	1.14
		0.0	0.0	-3.92e-05	0.0	10.0	-2.01	-11.39	-2.64	-0.23	0.0	0.0
130	123	1.09	0.22	3.98e-05	-0.06	0.0	-2.10	-10.92	-2.17	-0.21	0.22	1.09
		0.0	0.0	-2.92e-05	0.0	10.0	-2.10	-10.98	-2.17	-0.21	0.0	0.0
130	126	0.66	0.0	5.03e-05	-0.06	0.0	2.10	-6.53	3.05	-3.43e-03	-0.30	0.66
		0.0	-0.30	6.61e-05	0.0	10.0	2.10	-6.59	3.05	-3.43e-03	0.0	0.0
130	145	0.98	0.0	6.62e-05	-0.06	0.0	0.47	-9.78	0.28	-0.11	-0.03	0.98
		0.0	-0.03	3.38e-05	0.0	10.0	0.47	-9.84	0.28	-0.11	0.0	0.0
134	2	3.42	0.46	1.84e-04	-0.08	0.0	-0.50	-34.15	-4.58	0.29	0.46	3.42
		0.0	0.0	3.59e-05	0.0	10.0	-0.50	-34.23	-4.58	0.29	0.0	0.0
134	3	0.62	0.0	3.77e-05	-0.06	0.0	-0.12	-6.13	0.28	0.06	-0.03	0.62
		0.0	-0.03	8.16e-06	0.0	10.0	-0.12	-6.19	0.28	0.06	0.0	0.0
134	7	0.55	0.0	3.77e-05	-0.06	0.0	-0.12	-5.43	1.55	0.06	-0.15	0.55
		0.0	-0.15	7.88e-06	0.0	10.0	-0.12	-5.49	1.55	0.06	0.0	0.0
134	9	0.65	0.04	3.77e-05	-0.06	0.0	-0.12	-6.48	-0.35	0.06	0.04	0.65
		0.0	0.0	8.31e-06	0.0	10.0	-0.12	-6.54	-0.35	0.06	0.0	0.0
134	10	2.38	0.33	1.28e-04	-0.06	0.0	-0.35	-23.72	-3.27	0.20	0.33	2.38
		0.0	0.0	2.51e-05	0.0	10.0	-0.35	-23.79	-3.27	0.20	0.0	0.0
134	11	0.60	0.0	3.77e-05	-0.06	0.0	-0.12	-6.01	0.49	0.06	-0.05	0.60
		0.0	-0.05	8.12e-06	0.0	10.0	-0.12	-6.07	0.49	0.06	0.0	0.0
134	13	0.72	0.16	3.77e-05	-0.06	0.0	-0.12	-7.18	-1.62	0.05	0.16	0.72
		0.0	0.0	8.59e-06	0.0	10.0	-0.12	-7.24	-1.62	0.05	0.0	0.0
134	14	1.58	0.31	8.27e-05	-0.06	0.0	-0.24	-15.80	-3.08	0.12	0.31	1.58
		0.0	0.0	1.70e-05	0.0	10.0	-0.24	-15.86	-3.08	0.12	0.0	0.0
134	15	0.70	0.12	3.77e-05	-0.06	0.0	-0.12	-6.95	-1.20	0.05	0.12	0.70
		0.0	0.0	8.50e-06	0.0	10.0	-0.12	-7.01	-1.20	0.05	0.0	0.0
134	17	0.72	0.16	3.77e-05	-0.06	0.0	-0.12	-7.18	-1.62	0.05	0.16	0.72
		0.0	0.0	8.59e-06	0.0	10.0	-0.12	-7.24	-1.62	0.05	0.0	0.0
134	18	1.24	0.25	6.47e-05	-0.06	0.0	-0.19	-12.36	-2.49	0.09	0.25	1.24

		0.0	0.0	1.36e-05	0.0	10.0	-0.19	-12.42	-2.49	0.09	0.0	0.0
134	20	1.07	0.0	9.23e-05	-0.06	0.0	-5.38	-10.65	1.72	-0.09	-0.17	1.07
		0.0	-0.17	-6.07e-05	0.0	10.0	-5.38	-10.71	1.72	-0.09	0.0	0.0
134	21	1.41	0.67	3.71e-05	-0.06	0.0	5.00	-14.06	-6.71	0.28	0.67	1.41
		0.0	0.0	8.80e-05	0.0	10.0	5.00	-14.12	-6.71	0.28	0.0	0.0
134	25	1.41	0.65	3.70e-05	-0.06	0.0	5.06	-14.07	-6.47	0.28	0.65	1.41
		0.0	0.0	8.82e-05	0.0	10.0	5.06	-14.13	-6.47	0.28	0.0	0.0
134	27	1.15	0.06	8.08e-05	-0.06	0.0	-6.05	-11.52	-0.58	-0.09	0.06	1.15
		0.0	0.0	-3.99e-05	0.0	10.0	-6.05	-11.58	-0.58	-0.09	0.0	0.0
134	30	1.32	0.44	4.86e-05	-0.06	0.0	5.67	-13.19	-4.41	0.28	0.44	1.32
		0.0	0.0	6.72e-05	0.0	10.0	5.67	-13.25	-4.41	0.28	0.0	0.0
134	31	1.16	0.03	8.07e-05	-0.06	0.0	-6.00	-11.53	-0.34	-0.09	0.03	1.16
		0.0	0.0	-3.97e-05	0.0	10.0	-6.00	-11.59	-0.34	-0.09	0.0	0.0
134	52	1.11	0.0	8.61e-05	-0.06	0.0	-4.11	-11.03	0.80	-0.04	-0.08	1.11
		0.0	-0.08	-4.32e-05	0.0	10.0	-4.11	-11.09	0.80	-0.04	0.0	0.0
134	53	1.37	0.58	4.32e-05	-0.06	0.0	3.73	-13.68	-5.79	0.23	0.58	1.37
		0.0	0.0	7.04e-05	0.0	10.0	3.73	-13.74	-5.79	0.23	0.0	0.0
134	57	1.37	0.56	4.32e-05	-0.06	0.0	3.77	-13.69	-5.57	0.24	0.56	1.37
		0.0	0.0	7.06e-05	0.0	10.0	3.77	-13.75	-5.57	0.24	0.0	0.0
134	59	1.18	0.11	7.64e-05	-0.06	0.0	-4.67	-11.75	-1.14	-0.05	0.11	1.18
		0.0	0.0	-2.65e-05	0.0	10.0	-4.67	-11.81	-1.14	-0.05	0.0	0.0
134	62	1.30	0.38	5.29e-05	-0.06	0.0	4.29	-12.96	-3.85	0.23	0.38	1.30
		0.0	0.0	5.38e-05	0.0	10.0	4.29	-13.02	-3.85	0.23	0.0	0.0
134	63	1.18	0.09	7.63e-05	-0.06	0.0	-4.62	-11.77	-0.92	-0.04	0.09	1.18
		0.0	0.0	-2.64e-05	0.0	10.0	-4.62	-11.83	-0.92	-0.04	0.0	0.0
134	84	1.12	0.0	8.38e-05	-0.06	0.0	-3.68	-11.18	0.45	-0.03	-0.04	1.12
		0.0	-0.04	-3.70e-05	0.0	10.0	-3.68	-11.24	0.45	-0.03	0.0	0.0
134	85	1.36	0.54	4.56e-05	-0.06	0.0	3.30	-13.53	-5.43	0.22	0.54	1.36
		0.0	0.0	6.42e-05	0.0	10.0	3.30	-13.60	-5.43	0.22	0.0	0.0
134	89	1.36	0.52	4.55e-05	-0.06	0.0	3.34	-13.55	-5.24	0.22	0.52	1.36
		0.0	0.0	6.43e-05	0.0	10.0	3.34	-13.61	-5.24	0.22	0.0	0.0
134	91	1.19	0.13	7.50e-05	-0.06	0.0	-4.17	-11.82	-1.30	-0.03	0.13	1.19
		0.0	0.0	-2.20e-05	0.0	10.0	-4.17	-11.88	-1.30	-0.03	0.0	0.0
134	94	1.29	0.37	5.43e-05	-0.06	0.0	3.79	-12.89	-3.69	0.22	0.37	1.29
		0.0	0.0	4.93e-05	0.0	10.0	3.79	-12.95	-3.69	0.22	0.0	0.0
134	95	1.19	0.11	7.50e-05	-0.06	0.0	-4.13	-11.84	-1.10	-0.03	0.11	1.19
		0.0	0.0	-2.19e-05	0.0	10.0	-4.13	-11.90	-1.10	-0.03	0.0	0.0
134	116	1.04	0.0	9.68e-05	-0.06	0.0	-6.28	-10.37	2.42	-0.13	-0.24	1.04
		0.0	-0.24	-7.33e-05	0.0	10.0	-6.28	-10.43	2.42	-0.13	0.0	0.0
134	117	1.44	0.74	3.25e-05	-0.06	0.0	5.90	-14.34	-7.40	0.31	0.74	1.44
		0.0	0.0	1.01e-04	0.0	10.0	5.90	-14.40	-7.40	0.31	0.0	0.0
134	121	1.44	0.71	3.24e-05	-0.06	0.0	5.96	-14.36	-7.13	0.32	0.71	1.44
		0.0	0.0	1.01e-04	0.0	10.0	5.96	-14.42	-7.13	0.32	0.0	0.0
134	123	1.14	0.02	8.35e-05	-0.06	0.0	-6.99	-11.38	-0.25	-0.12	0.02	1.14
		0.0	0.0	-4.87e-05	0.0	10.0	-6.99	-11.44	-0.25	-0.12	0.0	0.0
134	126	1.34	0.47	4.58e-05	-0.06	0.0	6.61	-13.33	-4.74	0.30	0.47	1.34
		0.0	0.0	7.59e-05	0.0	10.0	6.61	-13.40	-4.74	0.30	0.0	0.0
134	127	1.14	0.0	8.34e-05	-0.06	0.0	-6.93	-11.39	0.02	-0.11	-2.36e-03	1.14
		0.0	-2.36e-03	-4.85e-05	0.0	10.0	-6.93	-11.45	0.02	-0.11	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**
	0.0	-1.37	-9.07e-03	-2.61	-71.04	-34.23	-9.21	-0.30
	24.92	4.08	9.43e-03	0.0	62.82	36.58	9.88	0.41

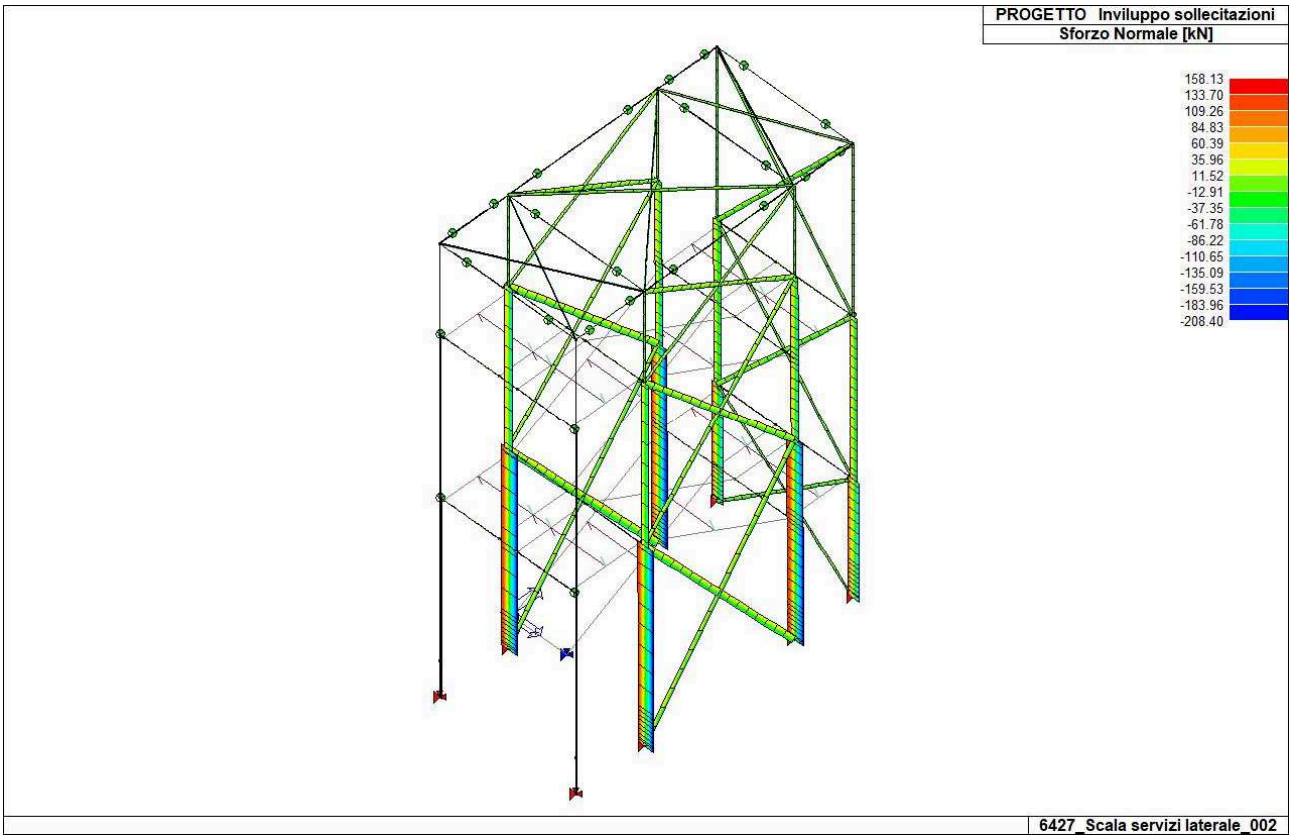


Figura 13: Inviluppo sforzo normale

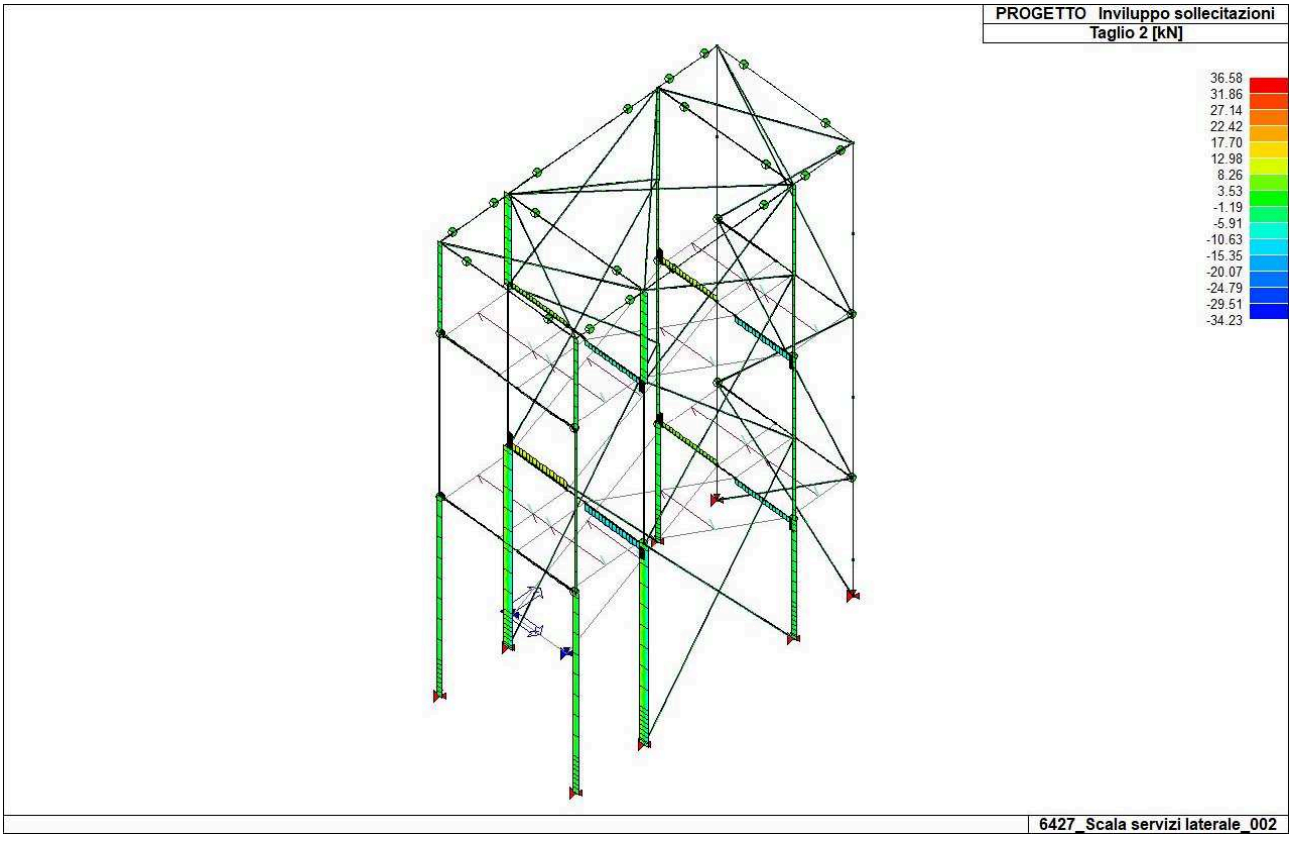


Figura 14: Inviluppo sforzo di taglio

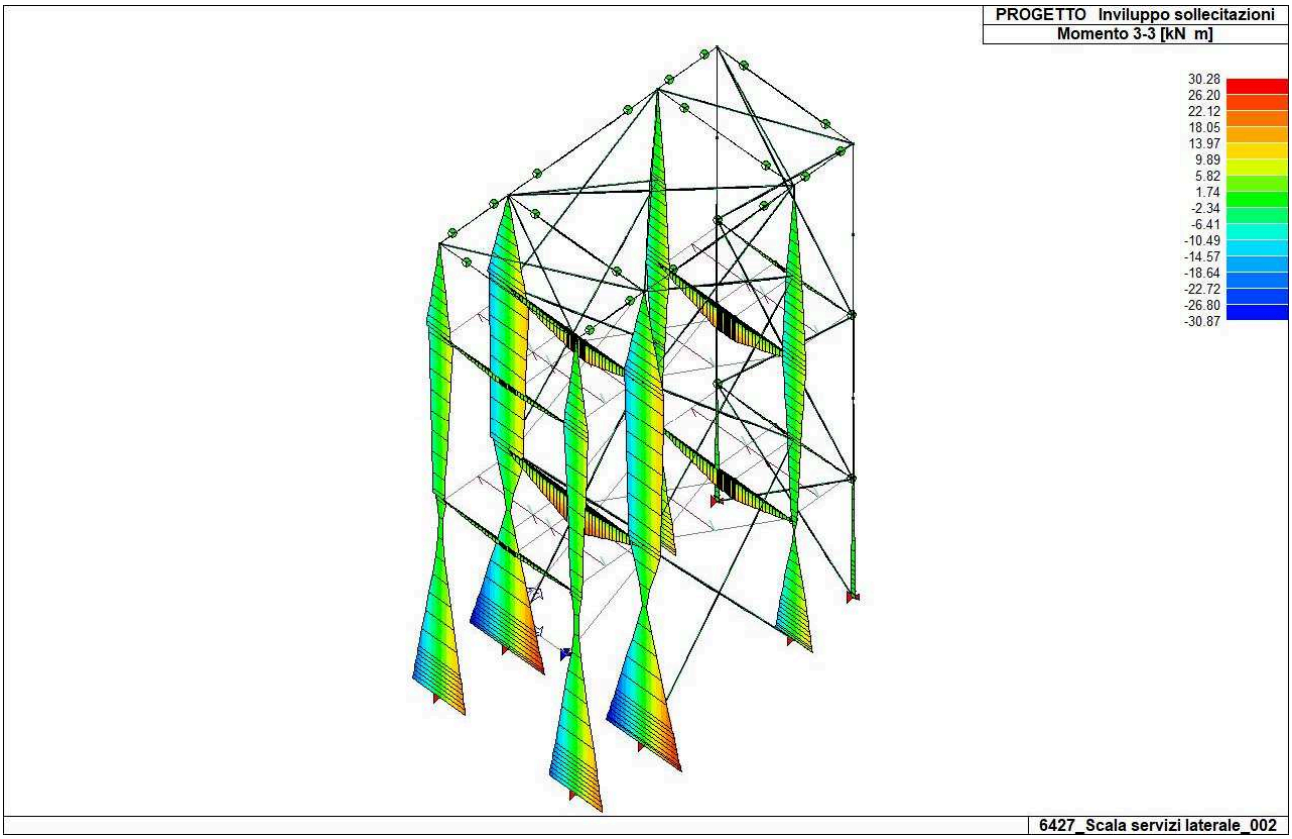


Figura 15: Inviluppo momento flettente

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: interasse 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 sovraresistenza 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-¤ SU PILASTRATA
74	VALUTAZIONE EFFETTO P-¤ 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=3,m=12	0.06	53.6	0.33	-50.2	1	390.7	182.2	2.10	0.18	0.0	118,115
2	ok	s=3,m=12	0.07	-56.8	0.37	-56.8	1	390.7	182.2	2.10	0.18	0.0	118,118
3	ok	s=3,m=12	0.05	-42.0	0.19	-42.0	1	308.7	144.0	1.66	0.27	0.0	115,115
4	ok	s=3,m=12	0.05	-41.3	0.18	-41.3	1	308.7	144.0	1.66	0.27	0.0	118,118
5	ok	s=3,m=12	0.08	-63.3	0.51	-63.3	1	440.0	205.2	2.36	0.15	0.0	115,115
6	ok	s=3,m=12	0.08	-67.9	0.55	-67.9	1	440.0	205.2	2.36	0.15	0.0	118,118
7	ok	s=3,m=12	0.07	57.5	0.37	-57.0	1	390.7	182.2	2.10	0.18	0.0	120,121
8	ok	s=3,m=12	0.06	51.4	0.31	-46.7	1	390.7	182.2	2.10	0.18	0.0	117,116
9	ok	s=3,m=12	0.05	-42.3	0.19	-42.3	1	308.7	144.0	1.66	0.27	0.0	117,117
10	ok	s=3,m=12	0.05	-42.6	0.19	-42.6	1	308.7	144.0	1.66	0.27	0.0	116,116
11	ok	s=3,m=12	0.08	-70.5	0.57	-70.5	1	440.0	205.2	2.36	0.15	0.0	121,121
12	ok	s=3,m=12	0.07	-59.4	0.48	-59.4	1	440.0	205.2	2.36	0.15	0.0	120,120
13	ok	s=3,m=12	0.03	-28.1	0.16	-28.1	1	356.8	166.4	1.92	0.21	0.0	118,118
14	ok	s=3,m=12	0.03	28.3	0.15	-26.6	1	356.8	166.4	1.92	0.21	0.0	117,116
15	ok	s=3,m=12	0.03	-23.8	0.08	-23.8	1	261.6	122.0	1.41	0.35	0.0	118,118
16	ok	s=3,m=12	0.03	23.9	0.08	-22.8	1	261.6	122.0	1.41	0.35	0.0	117,116
17	ok	s=3,m=12	0.01	-8.5			1	268.3	125.2	1.44	0.33	0.0	117,0
18	ok	s=3,m=12	0.01	8.5			1	268.3	125.2	1.44	0.33	0.0	118,0
19	ok	s=3,m=12	0.04	-36.4	0.24	-36.4	1	387.3	180.7	2.08	0.18	0.0	117,117
20	ok	s=3,m=12	0.04	35.2	0.23	-35.0	1	387.3	180.7	2.08	0.18	0.0	117,116
21	ok	s=3,m=12	0.04	-37.2	0.23	-37.2	1	374.9	174.9	2.01	0.19	0.0	117,117
22	ok	s=3,m=12	0.04	-35.8	0.22	-35.8	1	374.9	174.9	2.01	0.19	0.0	115,115
23	ok	s=3,m=12	0.04	-31.4	0.15	-31.4	1	317.6	148.1	1.71	0.26	0.0	117,117
24	ok	s=3,m=12	0.04	-30.3	0.14	-30.3	1	317.6	148.1	1.71	0.26	0.0	115,115

Asta	V N	N	V stab	N	Beta x L	Snell.	LambDaS	Chi mn	v.Omeg
		-70.49		-70.49			1.41	0.15	0.0
	0.08	57.49	0.57		440.00	205.23	2.36		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
25	ok	s=1,m=12	0.02	5.05e-03		1					4.83e-03	9.38e-02	1.00	2,2,0,2
26	ok	s=1,m=12	0.01	0.04		1					0.03	0.2	1.00	2,2,0,2
27	ok	s=1,m=12	2.52e-03	0.05		1					0.03	4.27e-02	1.00	118,2,0,2
28	ok	s=1,m=12	0.01	0.05		1					0.03	0.2	1.00	2,2,0,2
34	ok	s=1,m=12	0.01	3.37e-03		1					3.18e-03	7.32e-03	1.00	2,2,0,2
35	ok	s=1,m=12	0.05	0.17		1					0.15	9.07e-02	1.00	2,2,0,2
37	ok	s=1,m=12	0.05	0.16		1					0.15	9.14e-02	1.00	2,2,0,2

38	ok	s=1,m=12	2.94e-03	0.17		1				0.15	4.26e-02	1.00	116,2,0,2
40	ok	s=1,m=12	0.10	0.03		1				0.02	9.38e-02	1.00	2,2,0,2
47	ok	s=1,m=12	9.16e-03	4.34e-03		1				2.02e-03	7.32e-03	1.00	2,6,0,2
48	ok	s=1,m=12	7.85e-03	0.03		1				0.02	0.2	1.00	2,133,0,2
49	ok	s=1,m=12	2.80e-03	0.03		1				0.02	4.25e-02	1.00	120,133,0,2
50	ok	s=1,m=12	8.06e-03	0.03		1				0.02	0.2	1.00	2,133,0,2
51	ok	s=1,m=12	8.70e-03	4.59e-03		1				1.92e-03	7.32e-03	1.00	2,6,0,2
52	ok	s=1,m=12	0.08	0.02		1				0.02	7.32e-03	1.00	2,2,0,2
53	ok	s=1,m=12	0.04	0.13		1				0.12	9.12e-02	1.00	2,2,0,2
54	ok	s=1,m=12	2.73e-03	0.13		1				0.12	4.28e-02	1.00	119,2,0,2
55	ok	s=1,m=12	0.04	0.12		1				0.12	9.16e-02	1.00	2,2,0,2
56	ok	s=1,m=12	0.08	0.02		1				0.02	7.32e-03	1.00	2,2,0,2
63	ok	s=1,m=12	0.07	0.02		1				0.02	7.32e-03	1.00	2,133,0,2
64	ok	s=1,m=12	0.05	0.01		1				0.01	7.32e-03	1.00	2,2,0,2
65	ok	s=1,m=12	0.03	0.09		1				0.09	9.05e-02	1.00	2,2,0,2
66	ok	s=1,m=12	0.02	0.11		1				0.10	4.01e-02	1.00	2,2,0,2
67	ok	s=1,m=12	0.03	0.11		1				0.10	9.14e-02	1.00	2,2,0,2
68	ok	s=1,m=12	0.02	3.55e-03		1				3.36e-03	7.32e-03	1.00	2,2,0,2
69	ok	s=1,m=12	0.03	7.10e-03		1				6.86e-03	9.38e-02	1.00	2,2,0,2
70	ok	s=1,m=12	0.01	0.04		1				0.04	0.2	1.00	2,2,0,2
71	ok	s=1,m=12	3.95e-03	0.04		1				0.04	4.14e-02	1.00	2,2,0,2
72	ok	s=1,m=12	0.01	0.04		1				0.03	0.2	1.00	2,2,0,2
95	ok	s=1,m=12	0.02	2.16e-03		1				1.32e-03	0.2	1.00	126,121,0,2
96	ok	s=1,m=12	6.17e-03	6.41e-03		1				6.41e-03	0.4	1.00	126,1,0,1
97	ok	s=1,m=12	0.01	5.04e-03		1				9.94e-04	0.2	1.00	124,117,0,1
98	ok	s=1,m=12	3.16e-03	5.29e-03		1				5.29e-03	0.3	1.00	2,1,0,1
99	ok	s=1,m=12	0.01	5.01e-03		1				9.94e-04	0.2	1.00	124,122,0,1
100	ok	s=1,m=12	6.24e-03	6.41e-03		1				6.41e-03	0.4	1.00	126,2,0,1
101	ok	s=1,m=12	0.02	2.15e-03		1				1.32e-03	0.2	1.00	126,118,0,1
102	ok	s=1,m=12	3.16e-03	5.29e-03		1				5.29e-03	0.3	1.00	2,2,0,1
103	ok	s=1,m=12	3.16e-03	5.29e-03		1				5.29e-03	0.3	1.00	2,6,0,1
104	ok	s=1,m=12	3.16e-03	5.29e-03		1				5.29e-03	0.3	1.00	2,2,0,1
113	ok	s=1,m=12	5.30e-03	6.85e-03		1				9.66e-04	7.32e-03	1.00	6,6,0,133
114	ok	s=1,m=12	6.09e-03	0.06		1				0.01	0.2	1.00	2,2,0,2
115	ok	s=1,m=12	3.86e-03	0.06		1				0.01	4.26e-02	1.00	2,2,0,2
116	ok	s=1,m=12	5.93e-03	0.04		1				0.01	0.2	1.00	2,2,0,2
117	ok	s=1,m=12	6.28e-03	6.44e-03		1				1.38e-03	7.32e-03	1.00	2,6,0,2
118	ok	s=1,m=12	0.08	0.02		1				0.02	7.32e-03	1.00	2,2,0,2
119	ok	s=1,m=12	0.03	0.15		1				0.10	9.24e-02	1.00	2,2,0,2
120	ok	s=1,m=12	6.09e-03	0.15		1				0.10	4.14e-02	1.00	2,2,0,2
129	ok	s=1,m=12	0.03	0.12		1				0.10	9.24e-02	1.00	2,2,0,2
130	ok	s=1,m=12	0.07	0.02		1				0.02	7.32e-03	1.00	2,2,0,2
134	ok	s=1,m=12	0.09	0.03		1				0.02	7.32e-03	1.00	2,2,0,2

Trave			V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
												1.00
			0.10	0.17						0.15	0.36	

Trave	v.Omeg	f.Om.	N	Stato	V N/M	V stab	Rif. cmb	V[7.5.4]	M Ed kN m	V[7.5.5]	N Ed kN	V[7.5.6]	V Ed,G kN	V Ed,M kN
25								0.0	0.0	0.0	0.0	0.0	0.0	0.0
26								0.0	0.0	0.0	0.0	0.0	0.0	0.0
27								0.0	0.0	0.0	0.0	0.0	0.0	0.0
28								0.0	0.0	0.0	0.0	0.0	0.0	0.0
34								0.0	0.0	0.0	0.0	0.0	0.0	0.0
35								0.0	0.0	0.0	0.0	0.0	0.0	0.0
37								0.0	0.0	0.0	0.0	0.0	0.0	0.0
38								0.0	0.0	0.0	0.0	0.0	0.0	0.0
40								0.0	0.0	0.0	0.0	0.0	0.0	0.0
47								0.0	0.0	0.0	0.0	0.0	0.0	0.0
48								0.0	0.0	0.0	0.0	0.0	0.0	0.0
49								0.0	0.0	0.0	0.0	0.0	0.0	0.0
50								0.0	0.0	0.0	0.0	0.0	0.0	0.0
51								0.0	0.0	0.0	0.0	0.0	0.0	0.0
52								0.0	0.0	0.0	0.0	0.0	0.0	0.0
53								0.0	0.0	0.0	0.0	0.0	0.0	0.0
54								0.0	0.0	0.0	0.0	0.0	0.0	0.0
55								0.0	0.0	0.0	0.0	0.0	0.0	0.0
56								0.0	0.0	0.0	0.0	0.0	0.0	0.0
63								0.0	0.0	0.0	0.0	0.0	0.0	0.0
64								0.0	0.0	0.0	0.0	0.0	0.0	0.0
65								0.0	0.0	0.0	0.0	0.0	0.0	0.0
66								0.0	0.0	0.0	0.0	0.0	0.0	0.0
67								0.0	0.0	0.0	0.0	0.0	0.0	0.0

68					0.0	0.0	0.0	0.0	0.0	0.0	0.0
69					0.0	0.0	0.0	0.0	0.0	0.0	0.0
70					0.0	0.0	0.0	0.0	0.0	0.0	0.0
71					0.0	0.0	0.0	0.0	0.0	0.0	0.0
72					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
102					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
113					0.0	0.0	0.0	0.0	0.0	0.0	0.0
114					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
116					0.0	0.0	0.0	0.0	0.0	0.0	0.0
117					0.0	0.0	0.0	0.0	0.0	0.0	0.0
118					0.0	0.0	0.0	0.0	0.0	0.0	0.0
119					0.0	0.0	0.0	0.0	0.0	0.0	0.0
120					0.0	0.0	0.0	0.0	0.0	0.0	0.0
129					0.0	0.0	0.0	0.0	0.0	0.0	0.0
130					0.0	0.0	0.0	0.0	0.0	0.0	0.0
134					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	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
33	ok	s=1,m=12	0.02	0.14		1					0.13	6.44e-02	1.00	115,115,0,115
36	ok	s=1,m=12	0.13	0.14		1					0.13	6.73e-02	1.00	142,120,0,115
39	ok	s=1,m=12	0.03	0.19		1					0.18	6.73e-02	1.00	123,118,0,123
57	ok	s=1,m=12	2.66e-03	0.04		1					2.17e-03	0.2	1.00	7,115,0,117
58	ok	s=1,m=12	9.51e-03	0.09	0.17	1	0.8	0.5	71.1	0.65	0.03	0.2	1.00	126,115,115,124
59	ok	s=1,m=12	2.87e-03	0.05		1					2.09e-03	0.1	1.00	6,117,0,115
60	ok	s=1,m=12	9.51e-03	0.09	0.18	1	0.8	0.5	71.1	0.65	0.03	0.2	1.00	126,117,117,124
77	ok	s=1,m=12	0.08	0.07		1					0.06	0.4	1.00	141,116,0,116
78	ok	s=1,m=12	0.08	0.10	0.23	1	1.6	1.0	142.2	0.27	0.10	0.4	1.00	142,124,116,124
79	ok	s=1,m=12	3.67e-03	0.10	0.22	1	1.6	1.0	142.2	0.27	0.10	0.2	1.00	118,130,122,125
80	ok	s=1,m=12	4.81e-03	0.06		1					0.06	0.2	1.00	118,117,0,117
87	ok	s=1,m=12	0.01	0.07		1					0.06	0.1	1.00	117,117,0,117
88	ok	s=1,m=12	0.02	0.10		1					0.10	0.1	1.00	125,125,0,125
89	ok	s=1,m=12	0.02	0.10		1					0.10	0.1	1.00	125,125,0,125
90	ok	s=1,m=12	0.01	0.06		1					0.06	0.1	1.00	117,117,0,117
91	ok	s=1,m=12	7.77e-04	0.02		1					2.49e-03	0.2	1.00	125,117,0,125
92	ok	s=1,m=12	7.73e-04	0.02		1					2.46e-03	0.2	1.00	125,116,0,125
93	ok	s=1,m=12	5.83e-03	0.08		1					0.06	0.2	1.00	116,122,0,124
94	ok	s=1,m=12	5.83e-03	0.08		1					0.06	0.2	1.00	116,122,0,124
121	ok	s=1,m=12	0.01	0.10		1					0.09	8.32e-02	1.00	126,117,0,126
122	ok	s=1,m=12	0.13	0.20		1					0.18	6.80e-02	1.00	141,120,0,123
123	ok	s=1,m=12	0.01	0.12		1					0.09	8.31e-02	1.00	126,118,0,126
124	ok	s=1,m=12	0.01	0.10	0.21	1	0.8	0.5	71.1	0.65	0.06	0.2	1.00	126,117,121,126
125	ok	s=1,m=12	7.04e-03	0.08		1					0.06	0.2	1.00	118,122,0,124
126	ok	s=1,m=12	7.04e-03	0.08		1					0.06	0.2	1.00	118,122,0,124
127	ok	s=1,m=12	8.26e-03	0.05		1					0.04	0.1	1.00	124,130,0,124
128	ok	s=1,m=12	8.26e-03	0.04		1					0.04	0.1	1.00	124,130,0,124
131	ok	s=1,m=12	0.13	0.15	0.44	1	1.6	1.0	142.2	0.27	0.14	0.2	1.00	141,120,120,115
132	ok	s=1,m=12	0.01	0.10	0.20	1	0.8	0.5	71.1	0.65	0.06	0.2	1.00	126,115,115,126
133	ok	s=1,m=12	1.72e-03	0.07		1					0.01	7.25e-02	1.00	117,117,0,117
135	ok	s=1,m=12	1.67e-03	0.07		1					0.01	7.89e-02	1.00	118,115,0,117
136	ok	s=1,m=12	0.03	0.14	0.44	1	1.6	1.0	142.2	0.27	0.13	0.2	1.00	123,118,118,115
137	ok	s=1,m=12	2.44e-03	0.07	0.12	1	0.8	0.5	71.1	0.65	8.95e-03	0.1	1.00	6,117,117,117
138	ok	s=1,m=12	2.00e-03	0.07	0.12	1	0.8	0.5	71.1	0.65	8.86e-03	0.2	1.00	8,115,115,117
139	ok	s=1,m=12	0.13	0.11	0.08	1	1.6	1.0	142.2	0.27	0.10	0.2	1.00	142,120,2,115
140	ok	s=1,m=12	0.02	0.11		1					0.10	0.2	1.00	115,118,0,115
141	ok	s=1,m=12	2.41e-03	0.04		1					2.46e-03	0.1	1.00	6,115,0,125
142	ok	s=1,m=12	2.28e-03	0.05		1					2.49e-03	0.1	1.00	7,117,0,125
143	ok	s=1,m=12	3.20e-04	0.02		1					1.37e-03	0.1	1.00	123,117,0,123
144	ok	s=1,m=12	3.16e-04	0.01		1					1.35e-03	0.2	1.00	123,116,0,124

Pilas.	V V/T	V N/M	V stab	LamS 22	LamS 33	Snell.	Chi mn	V flst	LamS LT	Chi LT
							0.27			1.00
	0.13	0.20	0.44	1.64	0.97	142.17		0.18	0.35	

Pilas.	f.Om. N	f.Om. T	Stato	V V/T	V N/M	V stab	V flst	Rif. cmb	V[7.5.10]	V Ed kN	sovr. Xi	sovr. Xf	sovr. Yi	sovr. Yf
33	0.0	0.0	ok	0.0	0.0			0,0,0,0						
36	0.0	0.0	ok	0.0	0.0			0,0,0,0						
39	0.0	0.0	ok	0.0	0.0			0,0,0,0						
57	0.0	0.0	ok	0.0	0.0			0,0,0,0						
58	0.0	0.0	ok	0.0	0.0			0,0,0,0						
59	0.0	0.0	ok	0.0	0.0			0,0,0,0						
60	0.0	0.0	ok	0.0	0.0			0,0,0,0						
77	0.0	0.0	ok	0.0	0.0			0,0,0,0						
78	0.0	0.0	ok	0.0	0.0			0,0,0,0						
79	0.0	0.0	ok	0.0	0.0			0,0,0,0						
80	0.0	0.0	ok	0.0	0.0			0,0,0,0						
87	0.0	0.0	ok	0.0	0.0			0,0,0,0						
88	0.0	0.0	ok	0.0	0.0			0,0,0,0						
89	0.0	0.0	ok	0.0	0.0			0,0,0,0						
90	0.0	0.0	ok	0.0	0.0			0,0,0,0						
91	0.0	0.0	ok	0.0	0.0			0,0,0,0						
92	0.0	0.0	ok	0.0	0.0			0,0,0,0						
93	0.0	0.0	ok	0.0	0.0			0,0,0,0						
94	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						
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						
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						
141	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						
144	0.0	0.0	ok	0.0	0.0			0,0,0,0						

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

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 cosi 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
25	0.3	26	0.2	27	1.45e-02	28	0.2	34	0.3	35	0.9	37	0.9
38	7.20e-02	40	1.3	47	0.2	48	0.1	49	3.36e-02	50	0.1	51	0.2
52	1.0	53	0.7	54	5.91e-02	55	0.8	56	1.1	63	0.9	64	0.8
65	0.6	66	7.36e-02	67	0.6	68	0.3	69	0.3	70	0.2	71	7.56e-02
72	0.2	95	0.1	96	0.1	97	0.1	98	0.1	99	0.1	100	0.1
101	0.1	102	0.1	103	0.1	104	0.1	113	0.4	114	0.2	115	9.88e-02
116	0.3	117	0.4	118	0.9	119	0.6	120	0.1	129	0.6	130	0.9
134	1.3												

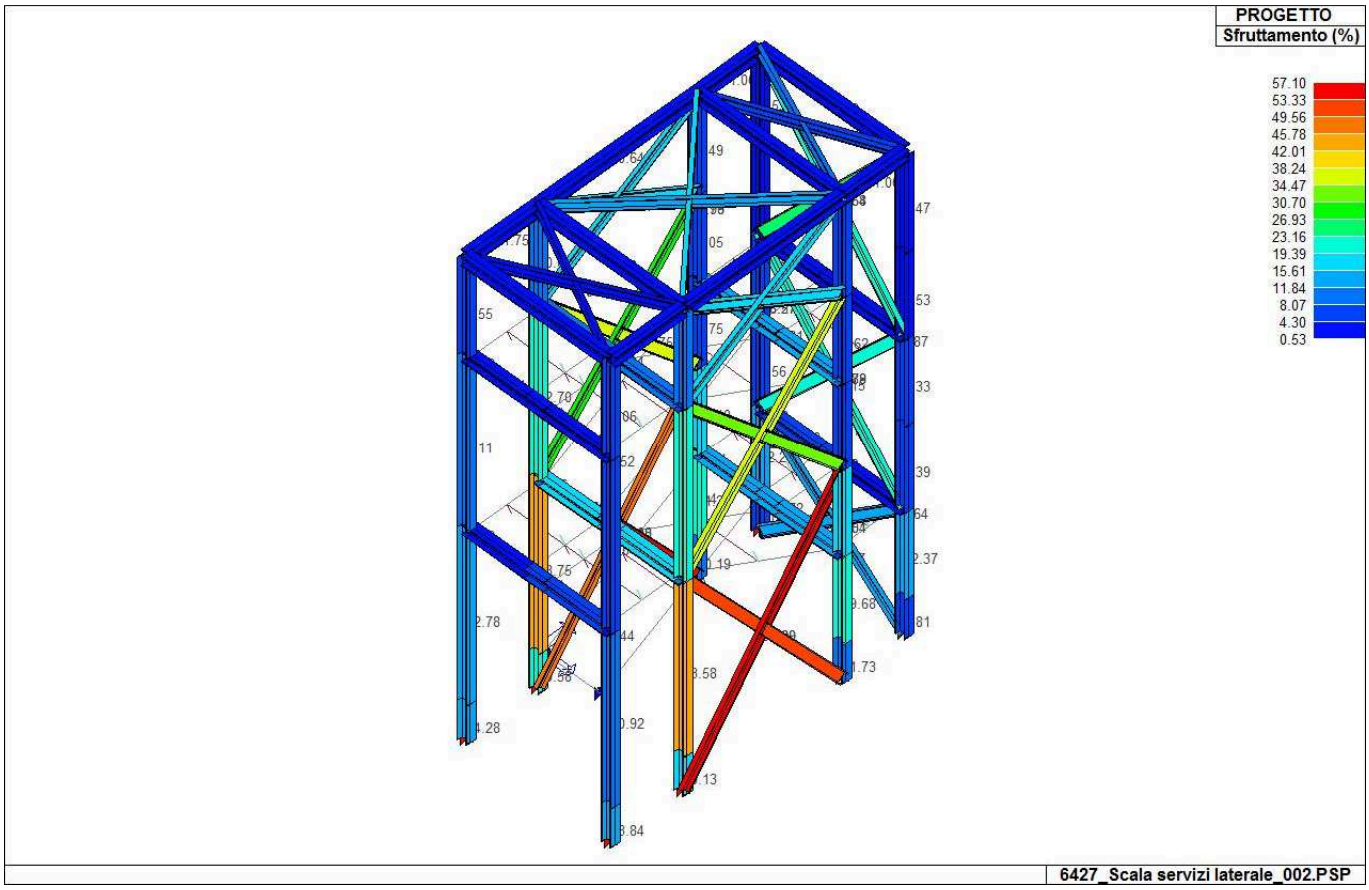


Figura 16: Sfruttamento [%]

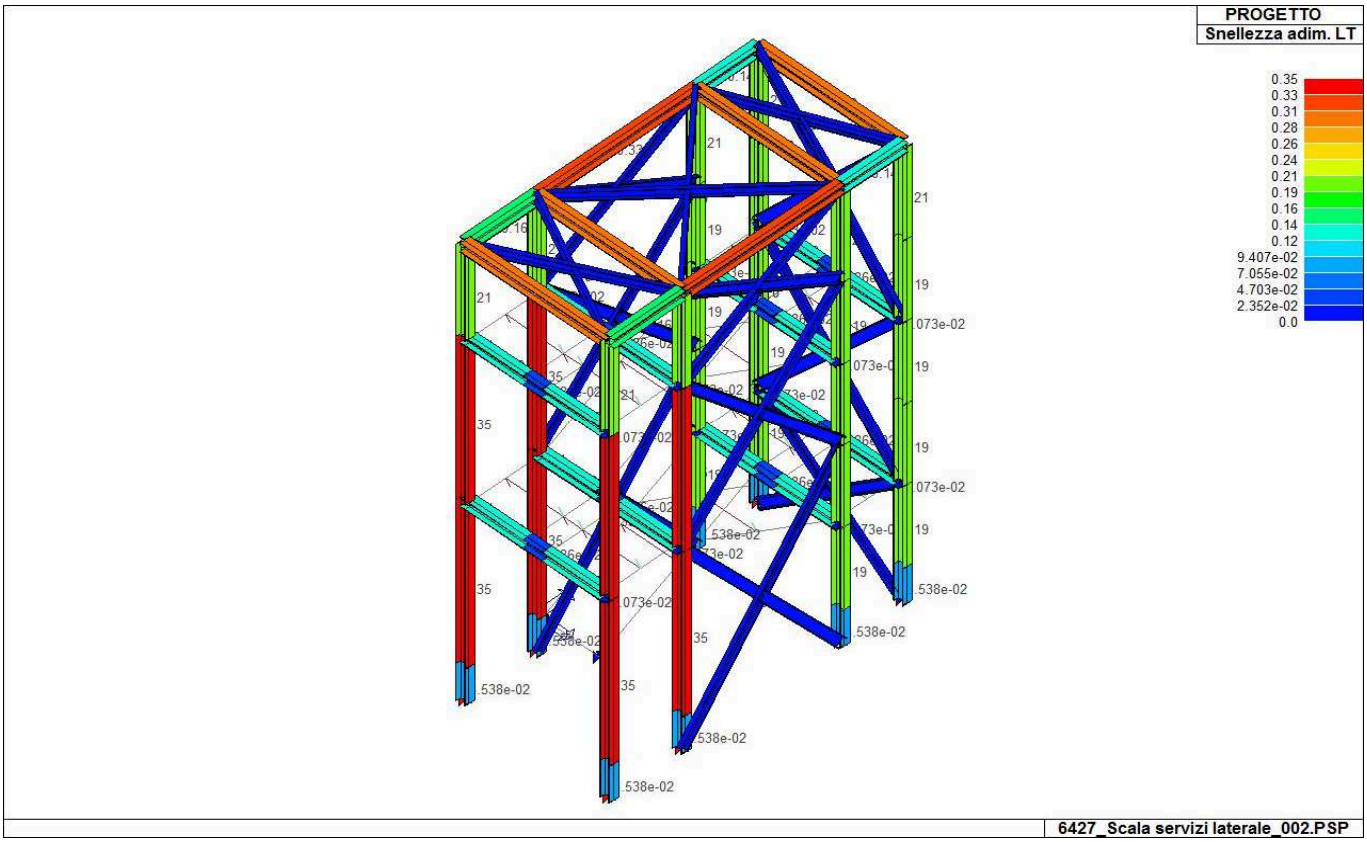


Figura 17: Snellezza torsionale

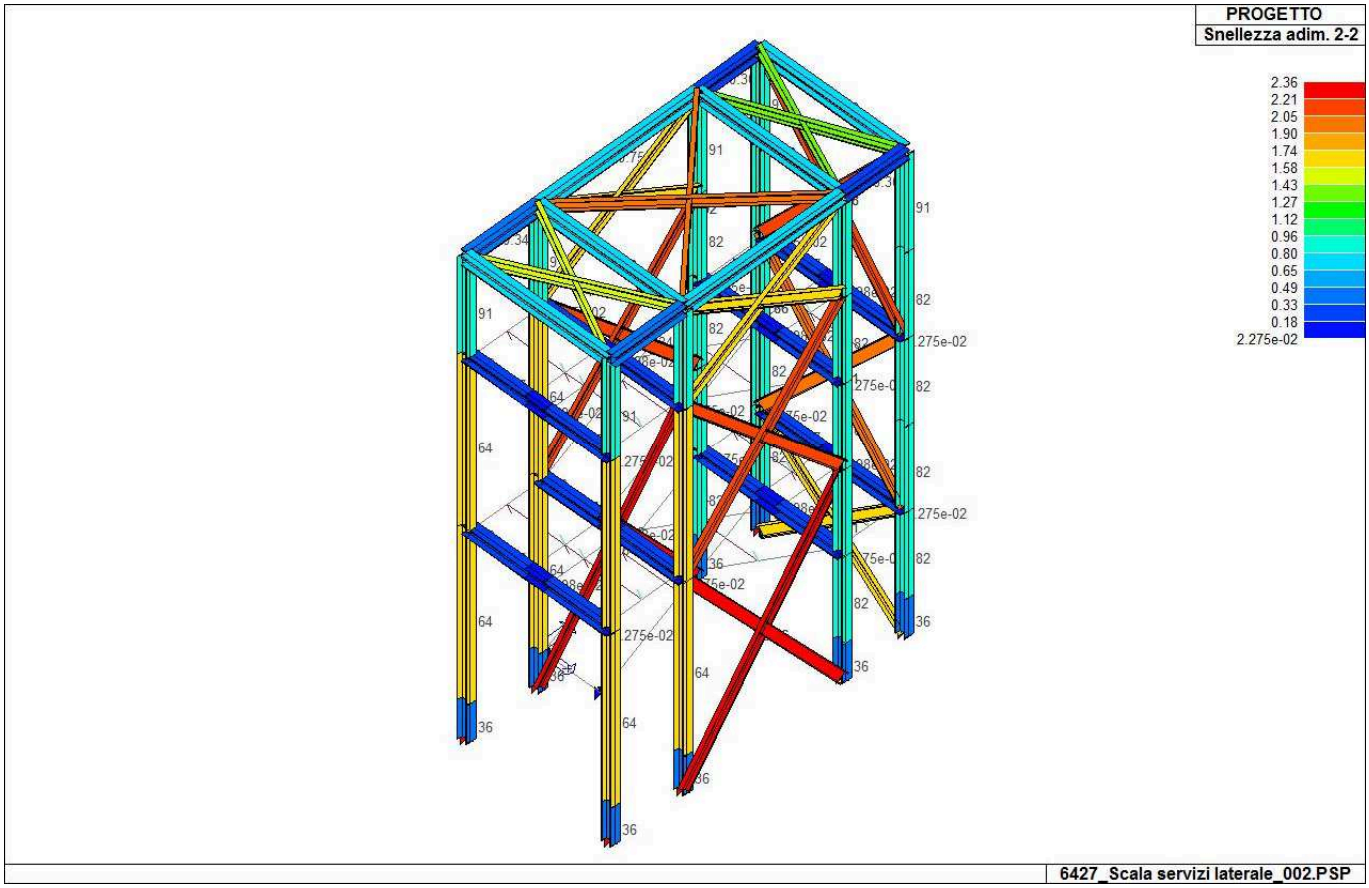


Figura 18: Snellezza XX

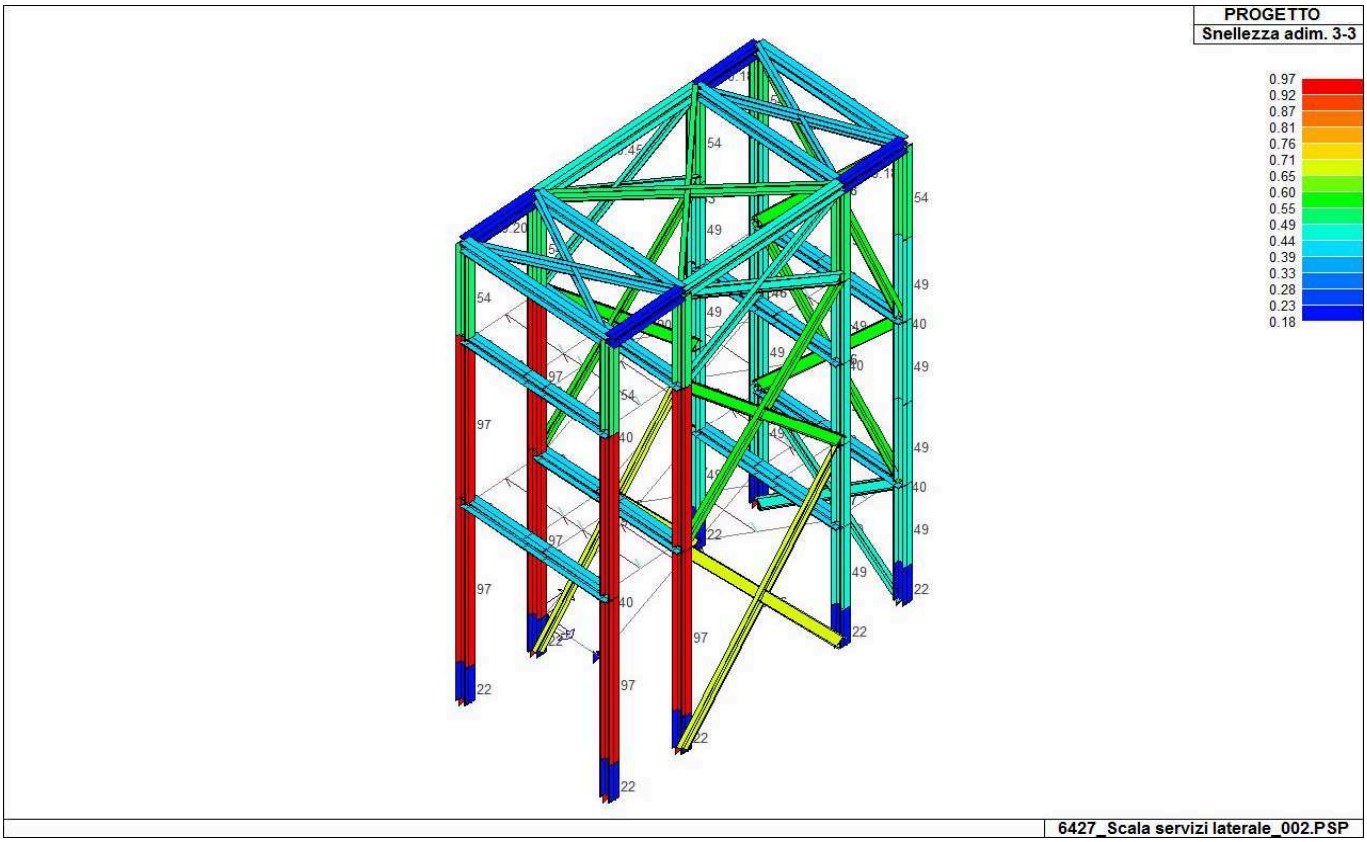


Figura 19: Snellezza YY