

AMPLIACIÓN ESTRUCTURA AVENIDA ALCALDE CABALLERO

PRUEBA DE CARGA

1. - INTRODUCCIÓN

Para realizar la prueba de carga mediante camiones de la ampliación de la estructura de la Avenida Alcalde Caballero sobre la línea de ferrocarril, se tendrán en cuenta las Recomendaciones para la realización de pruebas de carga de recepción de puentes de carretera (Ministerio de Fomento, Dirección General de Carreteras, 1999)

De acuerdo con el artículo 8 de la “Instrucción sobre las acciones a considerar en el Proyecto de Puentes de Carreteras (IAP11)” todo puente deberá ser sometido a una prueba de carga antes de su puesta en servicio. El objeto de dicha prueba es controlar la adecuada concepción y la buena ejecución de la obra mediante el examen de su comportamiento bajo las cargas de explotación. Se excluyen de la necesidad de realizar prueba de carga las estructuras que por sus características funcionales no se vean afectadas en su comportamiento resistente por las cargas de servicio.

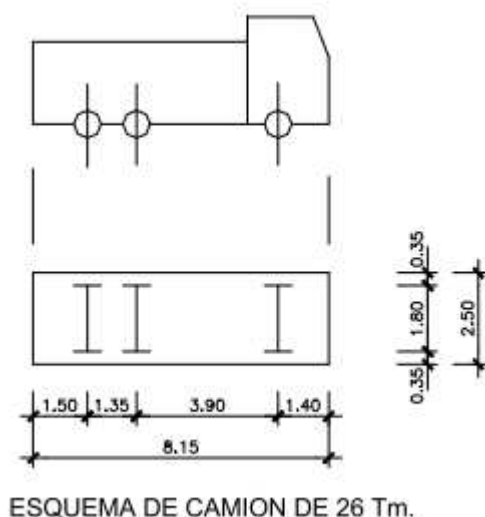
Al realizar la prueba de carga se intenta comprobar que la obra se comporta según lo expuesto en el proyecto, confirmando las teorías vertidas en él.

2. - DESCRIPCIÓN DE LA PRUEBA

2.1. - Características

Para la realización de la misma se utilizará el camión recogido en el anejo 1 de las “Recomendaciones para la realización de pruebas de carga de recepción de puentes de carretera” de las siguientes características:

- Carga total del camión: 26 toneladas
- Número de ejes: 1 delantero + 2 traseros
- Carga eje delantero: 7 Toneladas
- Carga ejes traseros: 2 x 9.5 Toneladas
- Distancia entre ejes: 3,90 + 1,35 metros
- Distancia entre ruedas de un mismo eje: 1,80 metros



La posición de las mismas se indica para cada estado de carga en los esquemas correspondientes. Dichas posiciones se han escogido de forma que los esfuerzos producidos sean como máximo el 60 % de los valores teóricos producidos por el tren de cargas de la “Instrucción sobre las acciones a considerar en el Proyecto de Puentes de Carreteras (IAP11)”, adoptando sus valores característicos sin mayorar. En este caso, dada la pequeña luz de cálculo del puente, y que al tratarse de una ampliación de un tablero existente, solo se carga sobre la nueva viga ejecutada, los esfuerzos máximos están sobre el 40% de los producidos por la sobrecarga de uso de la instrucción IAP11, sumando los esfuerzos debidos a la sobrecarga en aceras, vehículos pesados tipo tándem y sobrecarga distribuida en carriles.

2.2. - Inspección

Antes de comenzar la prueba se realizará una inspección general de la obra, incluidos los elementos singulares de la misma (aparatos de apoyo, juntas, etc.).

Se marcarán las fisuras existentes antes de la prueba, y durante la misma se inspeccionará el comportamiento de la estructura señalizándose los fenómenos que se vayan observando, particularmente las fisuras.

Al finalizar la prueba se realizará una última inspección general.

Para realizar las inspecciones deberá estar visible la estructura por arriba y por debajo con objeto de poder observar los paramentos y fondo del puente desde tan cerca como sea posible.

2.3.- Elementos a controlar

Se controlará el comportamiento del tablero mediante la medición de deformaciones verticales en las secciones de referencia y observando los posibles fenómenos de fisuración.

Los puntos de medida se situarán de acuerdo con las posiciones indicadas en los croquis correspondientes a cada estructura.

2.4. - Aparatos de medida

La medición se realizará mediante flexímetros o nivelación de alta precisión realizada con tres aparatos de medida cuando por condicionantes del tráfico inferior no se puedan situar los primeros bajo el tablero; se situarán los segundos en un extremo del puente en el eje longitudinal del mismo y a ambos lados de la calzada. Desde cada una de ellos se visionarán miras fijas situadas según se indicó anteriormente. Para cada nivel se tomará un punto exterior fijo de referencia.

Se realizarán mediciones de la temperatura del hormigón de la cara superior del tablero y en los laterales de la losa mediante termómetro.

Mediante lupas graduadas, se medirán las fisuras detectadas, dichas lupas permitirán observar hasta décimas de milímetro.

2.5. - Desarrollo de la prueba

a) Antes de comenzar la prueba se realizarán los siguientes trabajos:

- Se marcará sobre el tablero la posición exacta que han de tener los ejes longitudinales y transversales de los camiones durante la prueba (en cada una de los estados).
- Pesaje de cada uno de los ejes de los camiones, comprobando su coincidencia con las cargas teóricas de la prueba.
- La detección de fisuras en la observación previa hará necesaria la localización y medición de las mismas.
- Se medirá la temperatura.
- Medición de las flechas con puente descargado.

b) Durante la realización de la prueba de carga se tendrán en cuenta las siguientes observaciones:

- Debe colocarse un camión en su posición exacta antes de dar paso al siguiente del mismo estado de carga.
- Se observarán continuamente los aparatos de medida, anotando todos los resultados más importantes aunque no vayan a figurar en el informe final.
- Los camiones utilizados en la prueba tendrán las características lo más aproximadas posibles a las indicadas.

2.6. - Mediciones a realizar

En cada tablero y para cada estado de carga se medirán, al menos, las flechas en todos los centros de vano y el descenso de las líneas de apoyo.

También se realizarán las mediciones de temperatura en las zonas anteriormente indicadas y el seguimiento de fisuras, reflejando en cada estado la anchura de las mismas.

De un modo general, la prueba se adaptará a las "Recomendaciones para la realización de pruebas de carga de recepción de puentes de carretera" del Ministerio de Fomento (1999), resumiéndose a continuación el proceso a seguir:

Criterios de estabilización.

Una vez situado el tren de carga correspondiente, bien a un estado intermedio (escalón de carga) o al final de cualquier estado de carga, se realizará una medida de la respuesta instantánea de la estructura, y se controlarán los aparatos de medida situados en los puntos en que se esperen las deformaciones más desfavorables desde el punto de vista de la estabilización.

Transcurridos 10 minutos se realizará una nueva lectura en dichos puntos. Si las diferencias entre los nuevos valores de la respuesta y los instantáneos son inferiores al 5% de estos últimos, o bien son del mismo orden de la precisión de los aparatos de medida, se considerará estabilizado el proceso de carga y se realizará la lectura final en todos los puntos de medida.

En caso contrario se mantendrá la carga durante un nuevo intervalo de 10 minutos, y deberá cumplirse al final de los mismos que la diferencia de lecturas correspondiente a ese intervalo no supere en más de un 20% a la diferencia de lecturas correspondiente al intervalo anterior, o bien sea del orden de la precisión de los aparatos de medida.

Si esto no se cumpliera, se procederá, a juicio de Ingeniero Director de las pruebas, a mantener la carga durante un nuevo intervalo, a suspender dicho estado de carga o bien a reducir la carga correspondiente al estado considerado.

Una vez alcanzada la estabilización se tomarán las lecturas finales en todos los puntos de medida.

Por otra parte, deberá comprobarse que no se detecta ningún signo o muestra de fallo o inestabilidad en alguna parte de la estructura.

Una vez descargada totalmente la estructura se esperará a que los valores de las medidas estén estabilizados, aplicando el mismo criterio seguido para el proceso de carga. La diferencia entre los valores estabilizados después de la descarga y los iniciales antes de cargar serán los valores remanentes correspondientes al estado considerado.

En el caso de que la diferencia entre los valores obtenidos inmediatamente después de la descarga y los obtenidos antes de cargar sea inferior al límite que para cada caso se establece en el

apartado siguiente, no será necesaria la comprobación del criterio de estabilización, y podrá procederse a la lectura definitiva de todos los aparatos de medida.

En ningún caso se iniciará la ejecución de un nuevo ciclo de carga antes de haber transcurrido al menos 10 minutos desde la descarga correspondiente al ciclo precedente.

Criterio de remanencia.

Los valores remanentes después del primer ciclo de carga se considerarán aceptables siempre que sean inferiores a los límites indicados en este apartado.

Los límites para las remanencias que se indican a continuación en forma de porcentaje, están referidos a los valores máximos de la respuesta medida de la estructura:

Puentes de hormigón pretensado o mixtos: 15%

Siempre que una vez terminado el primer ciclo de carga se obtengan valores remanentes que superen los límites que se hubieran previsto como admisibles se procederá de la forma siguiente:

- Si los valores remanentes alcanzan el doble de los admisibles se suspenderá la aplicación de la carga.
- Si los valores remanentes superan el límite admisible, pero sin llegar a doblar este valor, se deberá realizar un segundo ciclo de carga, y deberá entonces cumplirse que la deformación remanente correspondiente a este segundo ciclo no supera el 50% de la correspondiente al primer ciclo.

Caso de que, realizado el segundo ciclo no se hubieran alcanzado resultados satisfactorios, el Ingeniero Director de las pruebas suspenderá la aplicación de la carga correspondiente, tomando respecto a los demás estados de carga las medidas que crea conveniente.

La realización de nuevos ciclos de carga en un momento determinado de las pruebas podrá ser también decidida por el Director de las mismas a la vista de los resultados observados en el ciclo precedente. Una de las circunstancias que pueden aconsejar esto es la existencia de dudas razonables en las lecturas de algunas de las medidas. En cualquier caso esto forma parte de un criterio

de análisis rápido de los resultados que corresponde realizar al Director de las pruebas y decidir en consecuencia.

Criterios de aceptación.

Además de los criterios expuestos referentes a la estabilización de las medidas y al tratamiento de los valores remanentes, que inciden fundamentalmente sobre el desarrollo del ensayo, se tendrán en cuenta otros criterios referentes a la aceptación de la obra derivados de los resultados de la prueba de carga:

- a) Los valores de las magnitudes máximas al finalizar el ciclo de carga, medidas después de la estabilización, no superarán en más de un 15% a los valores previstos en el proyecto de la prueba.
- b) Por condiciones de servicio, e incluso por razones estéticas, la relación flecha/luz no superará el valor límite de $f/l < 1/500$.

2.7. - Preparación de la prueba

Cálculo

Con los datos de proyecto y de obra (características del hormigón, espesores reales, cargas permanentes, etc.) y con los tipos de camiones y etapas de carga elegidas se procede a calcular los esfuerzos más significativos y las flechas correspondientes en cada sección a los puntos de medición antes indicados. Los resultados de este cálculo, para cada estado de carga, se incluyen en el apartado de resultados de cálculos de cada estructura.

Referencias fijas y mediciones precisas

Antes de proceder a la realización de la prueba, se nivelarán los puntos de medición, refiriéndolos a puntos de referencia fijos. Dichos puntos se situarán fuera del puente y no han de verse afectados por la prueba de carga; su posición se fijará de forma que sea lo más sencillo posible referir a ellos las deformaciones de un punto cualquiera de medida en cada estado de carga.

3. - RESULTADOS DE LA PRUEBA DE CARGA

3.1. - Cálculo con el modelo “emparrillado”

En los planos de la estructura se han incluido los esquemas con la posición de los camiones en el vano del tablero, y las flechas verticales en los centros de las vigas obtenidas del análisis de dichas posiciones en el modelo global. Este modelo se ha calculado con el programa “EMPARRILLADOS” (el mismo utilizado para el cálculo de la estructura, con el mismo modelo de cálculo) y en el apéndice de listados de ordenador se ha incluido el fichero correspondiente al cálculo de la prueba de carga.

En la siguiente tabla se muestran los esfuerzos máximos producidos por estas posiciones de carga y su relación con los máximos esfuerzos teóricos producidos en el tablero por las sobrecargas uniformes y el carro definido en la instrucción IAP. Los esfuerzos máximos debidos a la sobrecarga se toman del modelo de cálculo del puente en las mismas secciones en que se producen los máximos esfuerzos en las tres hipótesis consideradas en la prueba de carga.

En el calculo del tablero, los momentos flectores máximos que se producen en la viga, debidos a las sobrecarga de uso son:

–	Debidos a la SC en aceras:	45,46 t.m
–	Debidos al tándem	92,70 t.m
–	Debidos a la sobrecarga en carriles:	33,22 t.m
–	Total...	171,38 t.m

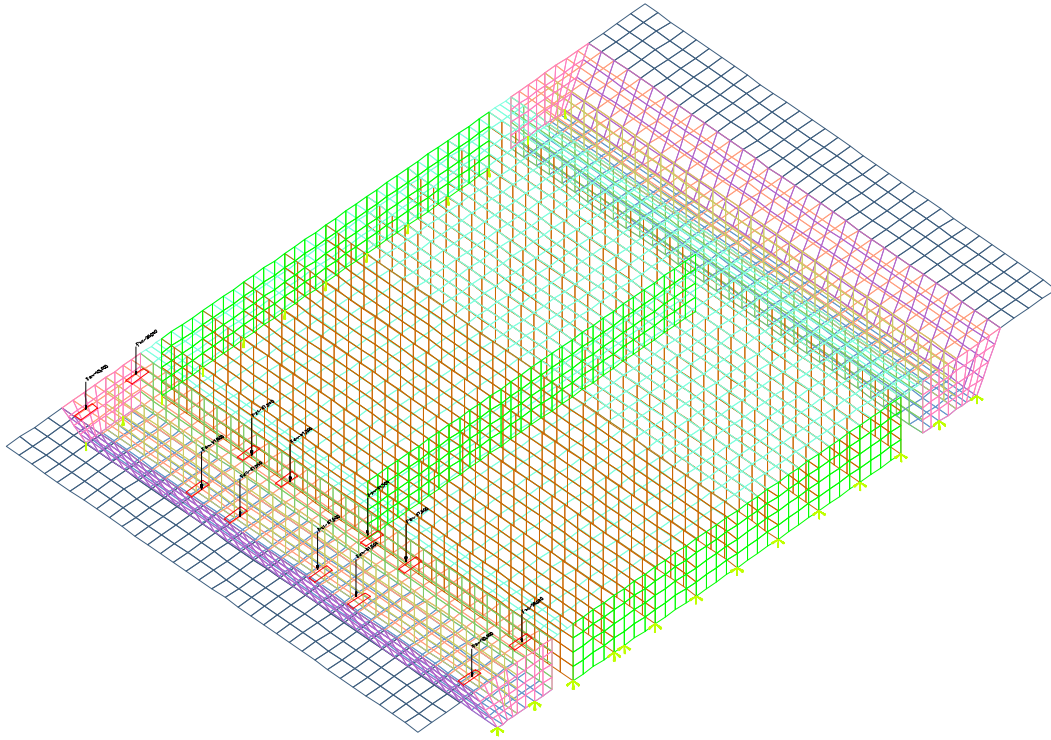
Caso	Mmax (t.m/m)	M prueba (t.m/m)	Tramo	Mprueba/Mmax
Centro vano	171,380	71,470	04/05/14	41,70%

Las flechas verticales (expresadas en milímetros) en los puntos de medidas indicados en los planos se reflejan en la tabla siguiente:

Punto	Flecha (mm)
Exterior	0,97
Interior	0,8

3.2. - Validación de resultados con el modelo tridimensional de elementos finitos

Al igual que en el dimensionamiento del tablero, se hace un cálculo paralelo mediante el modelo tridimensional de elementos finitos:

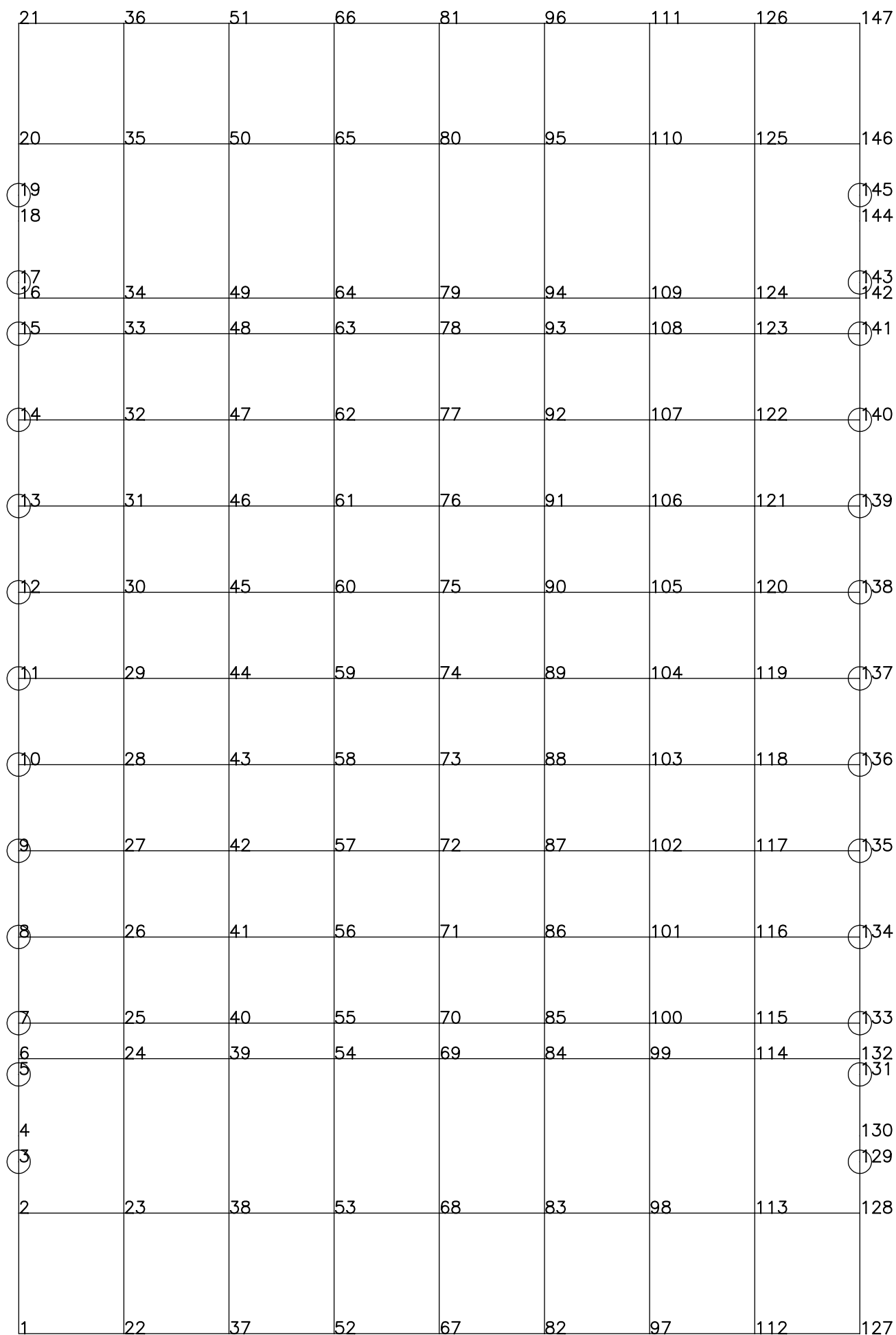


Obteniendo las flechas siguientes:

<i>Punto</i>	<i>F. Emparrillado (mm)</i>	<i>F. modelo MEF (mm)</i>	<i>Rel. Flechas (%)</i>
Exterior	0,97	0,91	94,40%
Interior	0,8	0,74	92,20%

Validando por tanto los cálculos obtenidos con el modelo emparrillado plano.

PRUEBA DE CARGA
MODELO EMPARRILLADO



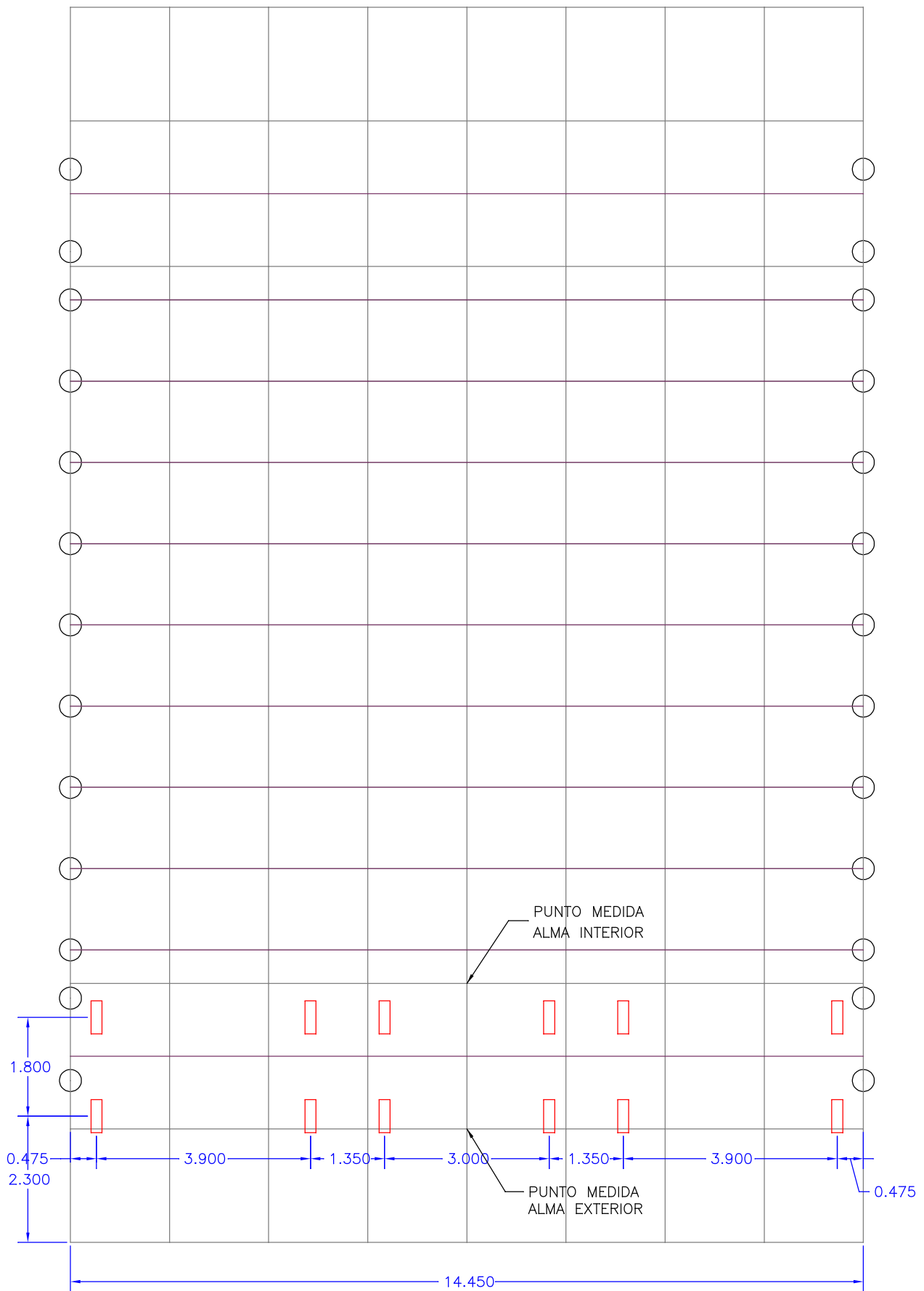
MODELO EMPARRILLADO TABLERO AMPLIADO
NUMERACIÓN DE NUDOS

	113	114	115	116	117	118	119	120	
	140	154	168	182	196	210	224	238	258
	105	106	107	108	109	110	111	112	
139									257
138	153	167	181	195	209	223	237		256
137									255
136	97	98	99	100	101	102	103	104	254
135	89	90	91	92	93	94	95	96	253
134	151	165	179	193	207	221	235		252
81	82	83	84	85	86	87	88		
133	150	164	178	192	206	220	234		251
73	74	75	76	77	78	79	80		
132	149	163	177	191	205	219	233		250
65	66	67	68	69	70	71	72		
131	148	162	176	190	204	218	232		249
57	58	59	60	61	62	63	64		
130	147	161	175	189	203	217	231		248
49	50	51	52	53	54	55	56		
129	146	160	174	188	202	216	230		247
41	42	43	44	45	46	47	48		
128	145	159	173	187	201	215	229		246
33	34	35	36	37	38	39	40		
127	144	158	172	186	200	214	228		245
25	26	27	28	29	30	31	32		
126	143	157	171	185	199	213	227		244
125	17	18	19	20	21	22	23	24	243
124									242
123	142	156	170	184	198	212	226		241
122									240
9	10	11	12	13	14	15	16		
121	141	155	169	183	197	211	225		239
1	2	3	4	5	6	7	8		

MODELO EMPARRILLADO TABLERO AMPLIADO
NUMERACIÓN DE BARRAS

○	81	82	83	84	85	86	87	88	○
○									○
○	73	74	75	76	77	78	79	80	○
○									○
○	65	66	67	68	69	70	71	72	○
○									○
○	57	58	59	60	61	62	63	64	○
○									○
○	49	50	51	52	53	54	55	56	○
○									○
○	41	42	43	44	45	46	47	48	○
○									○
○	33	34	35	36	37	38	39	40	○
○									○
○	25	26	27	28	29	30	31	32	○
○									○
○	17	18	19	20	21	22	23	24	○
○									○
○	9	10	11	12	13	14	15	16	○
○									○
○	1	2	3	4	5	6	7	8	○
○									○

MODELO EMPARRILLADO TABLERO AMPLIADO
 NUMERACIÓN DE TRAMOS DE VIGAS



MODELO EMPARRILLADO TABLERO AMPLIADO
POSICIONES DE LOS CAMIONES PARA PRUEBA DE CARGA

Calculo automatico de Emparrillados

Cliente : Ayuntamiento de Zaragoza

Obra : Puente calle Alcalde Caballero, PRUEBA DE CARGA

Datos de la Estructura

Luz de cálculo (m)	:	14.450
Ancho (m)	:	22.500
Esviaje (g)	:	100.000
Dist. Eje Viga a Ext. Losa (m)	:	3.395
Ancho de las aceras (m)	:	4.600
Dist. Eje Barrera a Ext. Losa (m)	:	0.100
Espesor de la losa (m)	:	0.250
Espesor riostras (m)	:	0.300

Datos de las Vigas

Viga	Tipo	Canto (m)	Area (m²)	Peso (t/m)	Va (m)	Inercia (m4)	Intereje (m)
1	CAJON_ALC_CAB	1.250	1.303140	3.2578	0.7951	0.191568	1.935
2	NERVIO_40_128	1.280	0.512000	1.2800	0.6400	0.069905	1.480
3	NERVIO_40_128	1.280	0.512000	1.2800	0.6400	0.069905	1.480
4	NERVIO_40_128	1.280	0.512000	1.2800	0.6400	0.069905	1.480
5	NERVIO_40_128	1.280	0.512000	1.2800	0.6400	0.069905	1.480
6	NERVIO_40_128	1.280	0.512000	1.2800	0.6400	0.069905	1.480
7	NERVIO_40_128	1.280	0.512000	1.2800	0.6400	0.069905	1.480
8	NERVIO_40_128	1.280	0.512000	1.2800	0.6400	0.069905	1.480
9	NERVIO_40_128	1.280	0.512000	1.2800	0.6400	0.069905	1.480
10	NERVIO_40_128	1.280	0.512000	1.2800	0.6400	0.069905	1.935
11	CAJON_ALC_CAB	1.250	1.303140	3.2578	0.7951	0.191568	

Acciones sobre estructura

Sobrecarga uso tipo	:	Prueba de carga
Peso del camión (t)	:	26.000

Prueba de carga nº 1

Cargas puntuales

X(m)	Y(m)	Carga(t)
0.475	2.300	-3.500
0.475	4.100	-3.500
4.375	2.300	-4.750
4.375	4.100	-4.750
5.725	2.300	-4.750
5.725	4.100	-4.750
13.975	4.100	-3.500
13.975	2.300	-3.500
10.075	4.100	-4.750
10.075	2.300	-4.750
8.725	4.100	-4.750
8.725	2.300	-4.750

Cargas en Nudos

Nudo	Carga (t)
2	-1.905
3	-0.674
4	-0.856
5	-1.724
23	-1.056
24	-0.785
38	-3.149
39	-2.341
53	-6.825
54	-5.074
68	-1.848
69	-1.374
83	-6.825
84	-5.074
98	-3.149
99	-2.341
113	-1.056
114	-0.785
128	-1.905
129	-0.674
130	-0.856
131	-1.724
Total...	-52.000

Resultados del cálculo

Prueba de carga 1

Desplazamientos de nudos

Nudo	Giro X (rad)	Desplazamientos Y (m)	Giro Z (rad)
1	-2.340753e-005	-6.473632e-005	-2.112643e-004
2	-2.306099e-005	-1.654190e-005	-2.055876e-004
3	-1.091363e-005	0.000000e+000	-1.953302e-004
4	-1.633191e-006	2.617012e-006	-1.901433e-004
5	2.498636e-006	0.000000e+000	-1.778461e-004
6	3.345695e-007	-3.859444e-007	-1.746990e-004
7	-1.172090e-006	0.000000e+000	-1.549698e-004
8	-5.060212e-007	0.000000e+000	-8.031445e-005
9	-3.014645e-007	0.000000e+000	-2.799037e-005
10	-7.534378e-008	0.000000e+000	-5.449197e-006
11	-1.191384e-008	0.000000e+000	9.504481e-007
12	7.403406e-009	0.000000e+000	1.513721e-006
13	6.078411e-009	0.000000e+000	8.372506e-007
14	3.299529e-009	0.000000e+000	2.899547e-007
15	2.528876e-010	0.000000e+000	4.659554e-008
16	1.965497e-010	-2.491137e-012	2.074377e-008
17	-2.251198e-010	0.000000e+000	1.916516e-008
18	2.061082e-010	3.964152e-010	1.299690e-008
19	1.705854e-009	0.000000e+000	1.039513e-008
20	4.284392e-009	-2.805899e-009	5.250040e-009
21	4.430710e-009	-1.186077e-008	7.341605e-011
22	-3.141215e-005	-4.441032e-004	-2.013651e-004
23	-2.921530e-005	-3.805769e-004	-1.904360e-004
24	-2.712763e-005	-3.065156e-004	-1.622802e-004
25	-7.261603e-005	-2.732917e-004	-1.437203e-004
26	-7.806902e-005	-1.411805e-004	-7.403947e-005
27	-3.993459e-005	-4.898707e-005	-2.562415e-005
28	-1.370800e-005	-9.436137e-006	-4.905398e-006
29	-2.575343e-006	1.730259e-006	9.254105e-007
30	5.347044e-007	2.677049e-006	1.408782e-006
31	7.825996e-007	1.472751e-006	7.726414e-007
32	4.363802e-007	5.075159e-007	2.654961e-007
33	1.256968e-007	8.010336e-008	4.153967e-008
34	1.261614e-008	3.713921e-008	1.878118e-008
35	1.165416e-008	5.526120e-009	4.843084e-009
36	1.071309e-008	-1.724889e-008	-3.445182e-009
37	-3.928659e-005	-7.760481e-004	-1.577582e-004
38	-4.541804e-005	-6.903826e-004	-1.463420e-004
39	-4.693115e-005	-5.679569e-004	-1.250566e-004
40	-1.351089e-004	-5.060359e-004	-1.104902e-004

Nudo	Giro X (rad)	Desplazamientos Y (m)	Giro Z (rad)
41	-1.442548e-004	-2.606993e-004	-5.662354e-005
42	-7.364592e-005	-9.023443e-005	-1.951433e-005
43	-2.525792e-005	-1.727999e-005	-3.699940e-006
44	-4.727411e-006	3.255039e-006	7.289166e-007
45	9.949489e-007	4.959418e-006	1.082954e-006
46	1.446198e-006	2.720418e-006	5.911356e-007
47	8.049912e-007	9.349369e-007	2.022362e-007
48	2.311821e-007	1.463962e-007	3.131117e-008
49	2.251227e-008	6.801223e-008	1.412733e-008
50	1.987338e-008	1.260563e-008	3.695966e-009
51	1.734139e-008	-2.530327e-008	-3.360398e-009
52	-4.639560e-005	-1.001288e-003	-8.578684e-005
53	-5.698696e-005	-8.973954e-004	-7.842150e-005
54	-5.950087e-005	-7.429704e-004	-6.708284e-005
55	-1.770534e-004	-6.620263e-004	-5.986742e-005
56	-1.886859e-004	-3.405288e-004	-3.064301e-005
57	-9.617970e-005	-1.176936e-004	-1.053387e-005
58	-3.295733e-005	-2.246429e-005	-1.987145e-006
59	-6.152406e-006	4.295579e-006	4.003920e-007
60	1.308385e-006	6.489493e-006	5.874908e-007
61	1.891362e-006	3.553905e-006	3.198905e-007
62	1.051512e-006	1.219539e-006	1.091890e-007
63	3.012823e-007	1.902370e-007	1.683806e-008
64	2.893859e-008	8.836689e-008	7.571991e-009
65	2.543416e-008	1.731381e-008	1.986293e-009
66	2.215066e-008	-3.125390e-008	-1.896865e-009
67	-4.976074e-005	-1.080449e-003	-1.088420e-013
68	-6.102590e-005	-9.686900e-004	-8.958517e-014
69	-6.373720e-005	-8.033053e-004	-5.899262e-014
70	-1.909650e-004	-7.167793e-004	-4.762217e-014
71	-2.043734e-004	-3.685640e-004	-1.848440e-014
72	-1.040889e-004	-1.273198e-004	-4.241546e-015
73	-3.565752e-005	-2.427583e-005	-3.425614e-016
74	-6.650462e-006	4.664450e-006	8.977209e-017
75	1.419437e-006	7.027615e-006	-4.384199e-017
76	2.047950e-006	3.846572e-006	-8.703444e-017
77	1.138093e-006	1.319327e-006	-5.008959e-017
78	3.258428e-007	2.055714e-007	-1.127311e-017
79	3.117525e-008	9.546987e-008	-5.737332e-018
80	2.738114e-008	1.895858e-008	-1.773752e-018
81	2.387120e-008	-3.337825e-008	1.075379e-018
82	-4.639560e-005	-1.001288e-003	8.578684e-005
83	-5.698696e-005	-8.973954e-004	7.842150e-005
84	-5.950087e-005	-7.429704e-004	6.708284e-005
85	-1.770534e-004	-6.620263e-004	5.986742e-005

Nudo	Giro X (rad)	Desplazamientos Y (m)	Giro Z (rad)
86	-1.886859e-004	-3.405288e-004	3.064301e-005
87	-9.617970e-005	-1.176936e-004	1.053387e-005
88	-3.295733e-005	-2.246429e-005	1.987145e-006
89	-6.152406e-006	4.295579e-006	-4.003920e-007
90	1.308385e-006	6.489493e-006	-5.874908e-007
91	1.891362e-006	3.553905e-006	-3.198905e-007
92	1.051512e-006	1.219539e-006	-1.091890e-007
93	3.012823e-007	1.902370e-007	-1.683806e-008
94	2.893859e-008	8.836689e-008	-7.571991e-009
95	2.543416e-008	1.731381e-008	-1.986293e-009
96	2.215066e-008	-3.125390e-008	1.896865e-009
97	-3.928659e-005	-7.760481e-004	1.577582e-004
98	-4.541804e-005	-6.903826e-004	1.463420e-004
99	-4.693115e-005	-5.679569e-004	1.250566e-004
100	-1.351089e-004	-5.060359e-004	1.104902e-004
101	-1.442548e-004	-2.606993e-004	5.662354e-005
102	-7.364592e-005	-9.023443e-005	1.951433e-005
103	-2.525792e-005	-1.727999e-005	3.699940e-006
104	-4.727411e-006	3.255039e-006	-7.289166e-007
105	9.949489e-007	4.959418e-006	-1.082954e-006
106	1.446198e-006	2.720418e-006	-5.911356e-007
107	8.049912e-007	9.349369e-007	-2.022362e-007
108	2.311821e-007	1.463962e-007	-3.131117e-008
109	2.251227e-008	6.801223e-008	-1.412733e-008
110	1.987338e-008	1.260563e-008	-3.695966e-009
111	1.734139e-008	-2.530327e-008	3.360398e-009
112	-3.141215e-005	-4.441032e-004	2.013651e-004
113	-2.921530e-005	-3.805769e-004	1.904360e-004
114	-2.712763e-005	-3.065156e-004	1.622802e-004
115	-7.261603e-005	-2.732917e-004	1.437203e-004
116	-7.806902e-005	-1.411805e-004	7.403947e-005
117	-3.993459e-005	-4.898707e-005	2.562415e-005
118	-1.370800e-005	-9.436137e-006	4.905398e-006
119	-2.575343e-006	1.730259e-006	-9.254105e-007
120	5.347044e-007	2.677049e-006	-1.408782e-006
121	7.825996e-007	1.472751e-006	-7.726414e-007
122	4.363802e-007	5.075159e-007	-2.654961e-007
123	1.256968e-007	8.010336e-008	-4.153967e-008
124	1.261614e-008	3.713921e-008	-1.878118e-008
125	1.165416e-008	5.526120e-009	-4.843084e-009
126	1.071309e-008	-1.724889e-008	3.445182e-009
127	-2.340753e-005	-6.473632e-005	2.112643e-004
128	-2.306099e-005	-1.654190e-005	2.055876e-004
129	-1.091363e-005	0.000000e+000	1.953302e-004
130	-1.633191e-006	2.617012e-006	1.901433e-004

Nudo	Giro X (rad)	Desplazamientos Y (m)	Giro Z (rad)
131	2.498636e-006	0.000000e+000	1.778461e-004
132	3.345694e-007	-3.859444e-007	1.746990e-004
133	-1.172090e-006	0.000000e+000	1.549698e-004
134	-5.060212e-007	0.000000e+000	8.031445e-005
135	-3.014645e-007	0.000000e+000	2.799037e-005
136	-7.534378e-008	0.000000e+000	5.449197e-006
137	-1.191384e-008	0.000000e+000	-9.504481e-007
138	7.403406e-009	0.000000e+000	-1.513721e-006
139	6.078411e-009	0.000000e+000	-8.372506e-007
140	3.299529e-009	0.000000e+000	-2.899547e-007
141	2.528876e-010	0.000000e+000	-4.659554e-008
142	1.965498e-010	-2.491137e-012	-2.074377e-008
143	-2.251198e-010	0.000000e+000	-1.916516e-008
144	2.061082e-010	3.964152e-010	-1.299690e-008
145	1.705854e-009	0.000000e+000	-1.039513e-008
146	4.284392e-009	-2.805899e-009	-5.250040e-009
147	4.430710e-009	-1.186077e-008	-7.341605e-011

Esfuerzos en extremos de barras

Barra	Nudo I	Torsor	Cortante	Flector	Nudo J	Torsor	Cortante	Flector	MF central
		(t.m)	(t)	(t.m)		(t.m)	(t)	(t.m)	(t.m)
1	1	-0.008	-0.038	-0.019	22	-0.008	-0.038	0.049	0.015
2	22	-0.008	-0.043	0.028	37	-0.008	-0.043	0.105	0.066
3	37	-0.007	-0.030	0.083	52	-0.007	-0.030	0.136	0.109
4	52	-0.003	-0.009	0.122	67	-0.003	-0.009	0.139	0.130
5	67	0.003	0.009	0.139	82	0.003	0.009	0.122	0.130
6	82	0.007	0.030	0.136	97	0.007	0.030	0.083	0.109
7	97	0.008	0.043	0.105	112	0.008	0.043	0.028	0.066
8	112	0.008	0.038	0.049	127	0.008	0.038	-0.019	0.015
9	2	-0.648	-12.137	-3.120	23	-0.648	-12.137	18.803	7.841
10	23	-1.705	-10.761	13.101	38	-1.705	-10.761	32.538	22.820
11	38	-1.217	-7.658	28.234	53	-1.217	-7.658	42.067	35.150
12	53	-0.425	-0.895	39.777	68	-0.425	-0.895	41.393	40.585
13	68	0.425	0.895	41.393	83	0.425	0.895	39.777	40.585
14	83	1.217	7.658	42.067	98	1.217	7.658	28.234	35.150
15	98	1.705	10.761	32.538	113	1.705	10.761	13.101	22.820
16	113	0.648	12.137	18.803	128	0.648	12.137	-3.120	7.841
17	6	-2.890	-2.984	2.916	24	-2.890	-2.984	8.306	5.611
18	24	-2.084	-3.224	13.906	39	-2.084	-3.224	19.731	16.818
19	39	-1.323	-2.472	23.961	54	-1.323	-2.472	28.427	26.194
20	54	-0.446	0.414	30.684	69	-0.446	0.414	29.935	30.310
21	69	0.446	-0.414	29.935	84	0.446	-0.414	30.684	30.310
22	84	1.323	2.472	28.427	99	1.323	2.472	23.961	26.194
23	99	2.084	3.224	19.731	114	2.084	3.224	13.906	16.818

Barra	Nudo I	Torsor	Cortante	Flector	Nudo J	Torsor	Cortante	Flector	MF central
		(t.m)	(t)	(t.m)		(t.m)	(t)	(t.m)	(t.m)
24	114	2.890	2.984	8.306	132	2.890	2.984	2.916	5.611
25	7	-1.176	-3.235	-0.124	25	-1.176	-3.235	5.719	2.797
26	25	-1.029	-2.890	5.652	40	-1.029	-2.890	10.873	8.263
27	40	-0.691	-1.954	10.823	55	-0.691	-1.954	14.352	12.588
28	55	-0.229	-0.627	14.320	70	-0.229	-0.627	15.452	14.886
29	70	0.229	0.627	15.452	85	0.229	0.627	14.320	14.886
30	85	0.691	1.954	14.352	100	0.691	1.954	10.823	12.588
31	100	1.029	2.890	10.873	115	1.029	2.890	5.652	8.263
32	115	1.176	3.235	5.719	133	1.176	3.235	-0.124	2.797
33	8	-1.318	-1.869	0.104	26	-1.318	-1.869	3.479	1.791
34	26	-1.125	-1.589	3.536	41	-1.125	-1.589	6.407	4.972
35	41	-0.755	-1.068	6.452	56	-0.755	-1.068	8.381	7.417
36	56	-0.267	-0.379	8.406	71	-0.267	-0.379	9.090	8.748
37	71	0.267	0.379	9.090	86	0.267	0.379	8.406	8.748
38	86	0.755	1.068	8.381	101	0.755	1.068	6.452	7.417
39	101	1.125	1.589	6.407	116	1.125	1.589	3.536	4.972
40	116	1.318	1.869	3.479	134	1.318	1.869	0.104	1.791
41	9	-0.674	-0.595	0.138	27	-0.674	-0.595	1.213	0.675
42	27	-0.573	-0.506	1.287	42	-0.573	-0.506	2.201	1.744
43	42	-0.383	-0.338	2.258	57	-0.383	-0.338	2.869	2.564
44	57	-0.134	-0.118	2.900	72	-0.134	-0.118	3.114	3.007
45	72	0.134	0.118	3.114	87	0.134	0.118	2.900	3.007
46	87	0.383	0.338	2.869	102	0.383	0.338	2.258	2.564
47	102	0.573	0.506	2.201	117	0.573	0.506	1.287	1.744
48	117	0.674	0.595	1.213	135	0.674	0.595	0.138	0.675
49	10	-0.232	-0.089	0.075	28	-0.232	-0.089	0.236	0.155
50	28	-0.196	-0.076	0.276	43	-0.196	-0.076	0.413	0.344
51	43	-0.131	-0.051	0.443	58	-0.131	-0.051	0.535	0.489
52	58	-0.046	-0.018	0.551	73	-0.046	-0.018	0.583	0.567
53	73	0.046	0.018	0.583	88	0.046	0.018	0.551	0.567
54	88	0.131	0.051	0.535	103	0.131	0.051	0.443	0.489
55	103	0.196	0.076	0.413	118	0.196	0.076	0.276	0.344
56	118	0.232	0.089	0.236	136	0.232	0.089	0.075	0.155
57	11	-0.044	0.038	0.027	29	-0.044	0.038	-0.041	-0.007
58	29	-0.037	0.032	-0.027	44	-0.037	0.032	-0.085	-0.056
59	44	-0.024	0.022	-0.074	59	-0.024	0.022	-0.113	-0.094
60	59	-0.008	0.008	-0.107	74	-0.008	0.008	-0.121	-0.114
61	74	0.008	-0.008	-0.121	89	0.008	-0.008	-0.107	-0.114
62	89	0.024	-0.022	-0.113	104	0.024	-0.022	-0.074	-0.094
63	104	0.037	-0.032	-0.085	119	0.037	-0.032	-0.027	-0.056
64	119	0.044	-0.038	-0.041	137	0.044	-0.038	0.027	-0.007
65	12	0.009	0.040	0.006	30	0.009	0.040	-0.066	-0.030
66	30	0.008	0.034	-0.063	45	0.008	0.034	-0.123	-0.093

Barra	Nudo I	Torsor	Cortante	Flector	Nudo J	Torsor	Cortante	Flector	MF central
		(t.m)	(t)	(t.m)		(t.m)	(t)	(t.m)	(t.m)
67	45	0.005	0.023	-0.121	60	0.005	0.023	-0.162	-0.141
68	60	0.002	0.008	-0.161	75	0.002	0.008	-0.175	-0.168
69	75	-0.002	-0.008	-0.175	90	-0.002	-0.008	-0.161	-0.168
70	90	-0.005	-0.023	-0.162	105	-0.005	-0.023	-0.121	-0.141
71	105	-0.008	-0.034	-0.123	120	-0.008	-0.034	-0.063	-0.093
72	120	-0.009	-0.040	-0.066	138	-0.009	-0.040	0.006	-0.030
73	13	0.013	0.020	-0.001	31	0.013	0.020	-0.036	-0.018
74	31	0.011	0.017	-0.037	46	0.011	0.017	-0.067	-0.052
75	46	0.008	0.011	-0.067	61	0.008	0.011	-0.088	-0.077
76	61	0.003	0.004	-0.088	76	0.003	0.004	-0.095	-0.091
77	76	-0.003	-0.004	-0.095	91	-0.003	-0.004	-0.088	-0.091
78	91	-0.008	-0.011	-0.088	106	-0.008	-0.011	-0.067	-0.077
79	106	-0.011	-0.017	-0.067	121	-0.011	-0.017	-0.037	-0.052
80	121	-0.013	-0.020	-0.036	139	-0.013	-0.020	-0.001	-0.018
81	14	0.007	0.006	-0.001	32	0.007	0.006	-0.013	-0.007
82	32	0.006	0.005	-0.013	47	0.006	0.005	-0.023	-0.018
83	47	0.004	0.004	-0.023	62	0.004	0.004	-0.030	-0.027
84	62	0.001	0.001	-0.030	77	0.001	0.001	-0.032	-0.031
85	77	-0.001	-0.001	-0.032	92	-0.001	-0.001	-0.030	-0.031
86	92	-0.004	-0.004	-0.030	107	-0.004	-0.004	-0.023	-0.027
87	107	-0.006	-0.005	-0.023	122	-0.006	-0.005	-0.013	-0.018
88	122	-0.007	-0.006	-0.013	140	-0.007	-0.006	-0.001	-0.007
89	15	0.002	0.000	-0.001	33	0.002	0.000	-0.002	-0.001
90	33	0.002	0.000	-0.002	48	0.002	0.000	-0.003	-0.003
91	48	0.001	0.000	-0.003	63	0.001	0.000	-0.004	-0.004
92	63	0.000	0.000	-0.004	78	0.000	0.000	-0.004	-0.004
93	78	-0.000	-0.000	-0.004	93	-0.000	-0.000	-0.004	-0.004
94	93	-0.001	-0.000	-0.004	108	-0.001	-0.000	-0.003	-0.004
95	108	-0.002	-0.000	-0.003	123	-0.002	-0.000	-0.002	-0.003
96	123	-0.002	-0.000	-0.002	141	-0.002	-0.000	-0.001	-0.001
97	16	0.001	0.002	0.001	34	0.001	0.002	-0.003	-0.001
98	34	0.001	0.002	-0.000	49	0.001	0.002	-0.004	-0.002
99	49	0.001	0.001	-0.002	64	0.001	0.001	-0.004	-0.003
100	64	0.000	0.000	-0.003	79	0.000	0.000	-0.004	-0.003
101	79	-0.000	-0.000	-0.004	94	-0.000	-0.000	-0.003	-0.003
102	94	-0.001	-0.001	-0.004	109	-0.001	-0.001	-0.002	-0.003
103	109	-0.001	-0.002	-0.004	124	-0.001	-0.002	-0.000	-0.002
104	124	-0.001	-0.002	-0.003	142	-0.001	-0.002	0.001	-0.001
105	20	0.001	-0.001	-0.002	35	0.001	-0.001	0.001	-0.000
106	35	0.001	-0.001	-0.002	50	0.001	-0.001	0.000	-0.001
107	50	0.001	-0.001	-0.002	65	0.001	-0.001	-0.000	-0.001
108	65	0.000	-0.000	-0.001	80	0.000	-0.000	-0.001	-0.001
109	80	-0.000	0.000	-0.001	95	-0.000	0.000	-0.001	-0.001

Barra	Nudo I	Torsor	Cortante	Flector	Nudo J	Torsor	Cortante	Flector	MF central
		(t.m)	(t)	(t.m)		(t.m)	(t)	(t.m)	(t.m)
110	95	-0.001	0.001	-0.000	110	-0.001	0.001	-0.002	-0.001
111	110	-0.001	0.001	0.000	125	-0.001	0.001	-0.002	-0.001
112	125	-0.001	0.001	0.001	146	-0.001	0.001	-0.002	-0.000
113	21	0.000	-0.000	-0.000	36	0.000	-0.000	0.000	-0.000
114	36	0.000	-0.000	-0.000	51	0.000	-0.000	0.000	0.000
115	51	0.000	-0.000	-0.000	66	0.000	-0.000	0.000	0.000
116	66	0.000	-0.000	0.000	81	0.000	-0.000	0.000	0.000
117	81	-0.000	0.000	0.000	96	-0.000	0.000	0.000	0.000
118	96	-0.000	0.000	0.000	111	-0.000	0.000	-0.000	0.000
119	111	-0.000	0.000	0.000	126	-0.000	0.000	-0.000	0.000
120	126	-0.000	0.000	0.000	147	-0.000	0.000	-0.000	-0.000
121	1	0.019	0.038	-0.008	2	0.019	0.038	-0.086	-0.047
122	2	3.139	14.080	-0.733	3	3.139	14.080	-13.124	-6.632
123	3	3.139	-11.938	-13.124	4	3.139	-11.938	-7.811	-10.467
124	4	3.139	-11.082	-7.811	5	3.139	-11.082	3.880	-1.514
125	5	3.139	-1.059	3.880	6	3.139	-1.059	4.166	4.023
126	6	0.222	1.924	1.276	7	0.222	1.924	0.102	0.689
127	7	0.347	-1.282	-1.074	8	0.347	-1.282	0.823	-0.126
128	8	0.243	-0.617	-0.495	9	0.243	-0.617	0.418	-0.039
129	9	0.105	-0.288	-0.256	10	0.105	-0.288	0.170	-0.043
130	10	0.030	-0.067	-0.061	11	0.030	-0.067	0.037	-0.012
131	11	0.003	-0.003	-0.006	12	0.003	-0.003	-0.001	-0.004
132	12	-0.003	0.010	0.008	13	-0.003	0.010	-0.007	0.000
133	13	-0.003	0.007	0.006	14	-0.003	0.007	-0.005	0.001
134	14	-0.001	0.003	0.003	15	-0.001	0.003	-0.001	0.001
135	15	-0.000	0.002	0.001	16	-0.000	0.002	-0.001	0.000
136	16	-0.002	-0.000	0.001	17	-0.002	-0.000	0.001	0.001
137	17	-0.002	0.002	0.001	18	-0.002	0.002	-0.001	-0.000
138	18	-0.002	0.002	-0.001	19	-0.002	0.002	-0.002	-0.002
139	19	-0.002	-0.002	-0.002	20	-0.002	-0.002	-0.001	-0.001
140	20	-0.000	-0.000	-0.000	21	-0.000	-0.000	-0.000	-0.000
141	22	0.021	0.005	0.000	23	0.021	0.005	-0.010	-0.005
142	23	5.722	-0.315	-1.068	24	5.722	-0.315	-0.232	-0.259
143	24	0.122	0.710	0.574	25	0.122	0.710	0.141	0.358
144	25	0.188	0.366	0.288	26	0.188	0.366	-0.253	0.018
145	26	0.131	0.086	-0.060	27	0.131	0.086	-0.188	-0.124
146	27	0.056	-0.003	-0.087	28	0.056	-0.003	-0.083	-0.085
147	28	0.016	-0.016	-0.048	29	0.016	-0.016	-0.024	-0.036
148	29	0.001	-0.010	-0.017	30	0.001	-0.010	-0.003	-0.010
149	30	-0.002	-0.004	-0.004	31	-0.002	-0.004	0.002	-0.001
150	31	-0.001	-0.001	0.000	32	-0.001	-0.001	0.002	0.001
151	32	-0.001	-0.000	0.001	33	-0.001	-0.000	0.001	0.001
152	33	-0.000	-0.000	0.001	34	-0.000	-0.000	0.001	0.001

Barra	Nudo I	Torsor	Cortante	Flector	Nudo J	Torsor	Cortante	Flector	MF central
		(t.m)	(t)	(t.m)		(t.m)	(t)	(t.m)	(t.m)
153	34	-0.003	0.000	0.001	35	-0.003	0.000	-0.000	0.000
154	35	-0.000	0.000	0.000	36	-0.000	0.000	-0.000	0.000
155	37	0.022	-0.013	0.001	38	0.022	-0.013	0.028	0.014
156	38	4.326	0.033	0.515	39	4.326	0.033	0.427	1.637
157	39	0.095	1.622	1.188	40	0.095	1.622	0.198	0.693
158	40	0.145	0.685	0.537	41	0.145	0.685	-0.477	0.030
159	41	0.100	0.164	-0.108	42	0.100	0.164	-0.350	-0.229
160	42	0.043	-0.004	-0.160	43	0.043	-0.004	-0.154	-0.157
161	43	0.012	-0.029	-0.088	44	0.012	-0.029	-0.045	-0.067
162	44	0.001	-0.019	-0.032	45	0.001	-0.019	-0.005	-0.019
163	45	-0.001	-0.008	-0.007	46	-0.001	-0.008	0.004	-0.001
164	46	-0.001	-0.002	0.001	47	-0.001	-0.002	0.004	0.002
165	47	-0.000	-0.000	0.002	48	-0.000	-0.000	0.002	0.002
166	48	-0.000	-0.000	0.002	49	-0.000	-0.000	0.002	0.002
167	49	-0.002	0.000	0.001	50	-0.002	0.000	0.000	0.001
168	50	-0.000	0.000	0.000	51	-0.000	0.000	0.000	0.000
169	52	0.014	-0.020	0.004	53	0.014	-0.020	0.045	0.025
170	53	2.304	0.042	0.838	54	2.304	0.042	0.727	3.311
171	54	0.047	2.230	1.604	55	0.047	2.230	0.244	0.924
172	55	0.079	0.903	0.706	56	0.079	0.903	-0.630	0.038
173	56	0.054	0.214	-0.142	57	0.054	0.214	-0.458	-0.300
174	57	0.023	-0.006	-0.209	58	0.023	-0.006	-0.200	-0.205
175	58	0.006	-0.039	-0.115	59	0.006	-0.039	-0.058	-0.087
176	59	0.001	-0.025	-0.042	60	0.001	-0.025	-0.006	-0.024
177	60	-0.001	-0.010	-0.009	61	-0.001	-0.010	0.006	-0.002
178	61	-0.001	-0.003	0.001	62	-0.001	-0.003	0.005	0.003
179	62	-0.000	-0.001	0.002	63	-0.000	-0.001	0.003	0.002
180	63	-0.000	-0.000	0.002	64	-0.000	-0.000	0.002	0.002
181	64	-0.001	0.001	0.002	65	-0.001	0.001	0.000	0.001
182	65	-0.000	0.000	0.000	66	-0.000	0.000	0.000	0.000
183	67	0.000	-0.019	0.007	68	0.000	-0.019	0.046	0.026
184	68	0.000	0.039	0.896	69	0.000	0.039	0.792	1.528
185	69	0.000	2.241	1.684	70	0.000	2.241	0.316	1.000
186	70	0.000	0.988	0.775	71	0.000	0.988	-0.688	0.043
187	71	0.000	0.230	-0.154	72	0.000	0.230	-0.495	-0.325
188	72	0.000	-0.007	-0.227	73	0.000	-0.007	-0.217	-0.222
189	73	0.000	-0.042	-0.125	74	0.000	-0.042	-0.063	-0.094
190	74	-0.000	-0.027	-0.046	75	-0.000	-0.027	-0.006	-0.026
191	75	-0.000	-0.011	-0.010	76	-0.000	-0.011	0.006	-0.002
192	76	0.000	-0.003	0.001	77	0.000	-0.003	0.005	0.003
193	77	0.000	-0.001	0.002	78	0.000	-0.001	0.003	0.003
194	78	0.000	-0.000	0.002	79	0.000	-0.000	0.002	0.002
195	79	0.000	0.001	0.002	80	0.000	0.001	0.000	0.001

Barra	Nudo I	Torsor	Cortante	Flector	Nudo J	Torsor	Cortante	Flector	MF central
		(t.m)	(t)	(t.m)		(t.m)	(t)	(t.m)	(t.m)
196	80	0.000	0.000	0.000	81	0.000	0.000	0.000	0.000
197	82	-0.014	-0.020	0.004	83	-0.014	-0.020	0.045	0.025
198	83	-2.304	0.042	0.838	84	-2.304	0.042	0.727	3.311
199	84	-0.047	2.230	1.604	85	-0.047	2.230	0.244	0.924
200	85	-0.079	0.903	0.706	86	-0.079	0.903	-0.630	0.038
201	86	-0.054	0.214	-0.142	87	-0.054	0.214	-0.458	-0.300
202	87	-0.023	-0.006	-0.209	88	-0.023	-0.006	-0.200	-0.205
203	88	-0.006	-0.039	-0.115	89	-0.006	-0.039	-0.058	-0.087
204	89	-0.001	-0.025	-0.042	90	-0.001	-0.025	-0.006	-0.024
205	90	0.001	-0.010	-0.009	91	0.001	-0.010	0.006	-0.002
206	91	0.001	-0.003	0.001	92	0.001	-0.003	0.005	0.003
207	92	0.000	-0.001	0.002	93	0.000	-0.001	0.003	0.002
208	93	0.000	-0.000	0.002	94	0.000	-0.000	0.002	0.002
209	94	0.001	0.001	0.002	95	0.001	0.001	0.000	0.001
210	95	0.000	0.000	0.000	96	0.000	0.000	0.000	0.000
211	97	-0.022	-0.013	0.001	98	-0.022	-0.013	0.028	0.014
212	98	-4.326	0.033	0.515	99	-4.326	0.033	0.427	1.637
213	99	-0.095	1.622	1.188	100	-0.095	1.622	0.198	0.693
214	100	-0.145	0.685	0.537	101	-0.145	0.685	-0.477	0.030
215	101	-0.100	0.164	-0.108	102	-0.100	0.164	-0.350	-0.229
216	102	-0.043	-0.004	-0.160	103	-0.043	-0.004	-0.154	-0.157
217	103	-0.012	-0.029	-0.088	104	-0.012	-0.029	-0.045	-0.067
218	104	-0.001	-0.019	-0.032	105	-0.001	-0.019	-0.005	-0.019
219	105	0.001	-0.008	-0.007	106	0.001	-0.008	0.004	-0.001
220	106	0.001	-0.002	0.001	107	0.001	-0.002	0.004	0.002
221	107	0.000	-0.000	0.002	108	0.000	-0.000	0.002	0.002
222	108	0.000	-0.000	0.002	109	0.000	-0.000	0.002	0.002
223	109	0.002	0.000	0.001	110	0.002	0.000	0.000	0.001
224	110	0.000	0.000	0.000	111	0.000	0.000	0.000	0.000
225	112	-0.021	0.005	0.000	113	-0.021	0.005	-0.010	-0.005
226	113	-5.722	-0.315	-1.068	114	-5.722	-0.315	-0.232	-0.259
227	114	-0.122	0.710	0.574	115	-0.122	0.710	0.141	0.358
228	115	-0.188	0.366	0.288	116	-0.188	0.366	-0.253	0.018
229	116	-0.131	0.086	-0.060	117	-0.131	0.086	-0.188	-0.124
230	117	-0.056	-0.003	-0.087	118	-0.056	-0.003	-0.083	-0.085
231	118	-0.016	-0.016	-0.048	119	-0.016	-0.016	-0.024	-0.036
232	119	-0.001	-0.010	-0.017	120	-0.001	-0.010	-0.003	-0.010
233	120	0.002	-0.004	-0.004	121	0.002	-0.004	0.002	-0.001
234	121	0.001	-0.001	0.000	122	0.001	-0.001	0.002	0.001
235	122	0.001	-0.000	0.001	123	0.001	-0.000	0.001	0.001
236	123	0.000	-0.000	0.001	124	0.000	-0.000	0.001	0.001
237	124	0.003	0.000	0.001	125	0.003	0.000	-0.000	0.000
238	125	0.000	0.000	0.000	126	0.000	0.000	-0.000	0.000

Barra	Nudo I	Torsor	Cortante	Flector	Nudo J	Torsor	Cortante	Flector	MF central
		(t.m)	(t)	(t.m)		(t.m)	(t)	(t.m)	(t.m)
239	127	-0.019	0.038	-0.008	128	-0.019	0.038	-0.086	-0.047
240	128	-3.139	14.080	-0.733	129	-3.139	14.080	-13.124	-6.632
241	129	-3.139	-11.938	-13.124	130	-3.139	-11.938	-7.811	-10.467
242	130	-3.139	-11.082	-7.811	131	-3.139	-11.082	3.880	-1.514
243	131	-3.139	-1.059	3.880	132	-3.139	-1.059	4.166	4.023
244	132	-0.222	1.924	1.276	133	-0.222	1.924	0.102	0.689
245	133	-0.347	-1.282	-1.074	134	-0.347	-1.282	0.823	-0.126
246	134	-0.243	-0.617	-0.495	135	-0.243	-0.617	0.418	-0.039
247	135	-0.105	-0.288	-0.256	136	-0.105	-0.288	0.170	-0.043
248	136	-0.030	-0.067	-0.061	137	-0.030	-0.067	0.037	-0.012
249	137	-0.003	-0.003	-0.006	138	-0.003	-0.003	-0.001	-0.004
250	138	0.003	0.010	0.008	139	0.003	0.010	-0.007	0.000
251	139	0.003	0.007	0.006	140	0.003	0.007	-0.005	0.001
252	140	0.001	0.003	0.003	141	0.001	0.003	-0.001	0.001
253	141	0.000	0.002	0.001	142	0.000	0.002	-0.001	0.000
254	142	0.002	-0.000	0.001	143	0.002	-0.000	0.001	0.001
255	143	0.002	0.002	0.001	144	0.002	0.002	-0.001	-0.000
256	144	0.002	0.002	-0.001	145	0.002	0.002	-0.002	-0.002
257	145	0.002	-0.002	-0.002	146	0.002	-0.002	-0.001	-0.001
258	146	0.000	-0.000	-0.000	147	0.000	-0.000	-0.000	-0.000

Reacciones en apoyos

Nudo	Rx (t.m)	Ry (t)	Rz (t.m)
3	-0.000	26.692	0.000
5	0.000	-8.299	0.000
7	0.000	6.442	-0.000
8	-0.000	1.203	0.000
9	0.000	0.266	0.000
10	0.000	-0.132	0.000
11	-0.000	-0.101	0.000
12	-0.000	-0.053	0.000
13	0.000	-0.017	0.000
14	-0.000	-0.002	0.000
15	0.000	0.000	-0.000
17	0.000	-0.002	0.000
19	-0.000	0.003	0.000
129	0.000	26.692	-0.000
131	-0.000	-8.299	0.000
133	-0.000	6.442	-0.000
134	-0.000	1.203	0.000
135	0.000	0.266	0.000

Nudo	Rx (t.m)	Ry (t)	Rz (t.m)
136	-0.000	-0.132	0.000
137	0.000	-0.101	0.000
138	0.000	-0.053	-0.000
139	0.000	-0.017	0.000
140	-0.000	-0.002	0.000
141	0.000	0.000	-0.000
143	-0.000	-0.002	-0.000
145	0.000	0.003	-0.000
Total...	-0.000	52.000	0.000

Envolvente de esfuerzos (Estados límites de servicio)

Cortantes

Viga	Tramo	Camión MAX.	Camión MIN.
1	1	0.00	-24.31
-	-	0.00	-24.31
1	2	0.00	-21.56
-	-	0.00	-21.56
1	3	0.00	-15.35
-	-	0.00	-15.35
1	4	0.83	-1.80
-	-	0.83	-1.80
1	5	1.80	-0.83
-	-	1.80	-0.83
1	6	15.35	0.00
-	-	15.35	0.00
1	7	21.56	0.00
-	-	21.56	0.00
1	8	24.31	0.00
-	-	24.31	0.00
2	9	0.00	-3.24
-	-	0.00	-3.24
2	10	0.00	-2.89
-	-	0.00	-2.89
2	11	0.00	-1.95
-	-	0.00	-1.95
2	12	0.00	-0.63
-	-	0.00	-0.63
2	13	0.63	0.00
-	-	0.63	0.00
2	14	1.95	0.00
-	-	1.95	0.00

Viga	Tramo	Camión MAX.	Camión MIN.
2	15	2.89	0.00
-	-	2.89	0.00
2	16	3.24	0.00
-	-	3.24	0.00
3	17	0.00	-1.87
-	-	0.00	-1.87
3	18	0.00	-1.59
-	-	0.00	-1.59
3	19	0.00	-1.07
-	-	0.00	-1.07
3	20	0.00	-0.38
-	-	0.00	-0.38
3	21	0.38	0.00
-	-	0.38	0.00
3	22	1.07	0.00
-	-	1.07	0.00
3	23	1.59	0.00
-	-	1.59	0.00
3	24	1.87	0.00
-	-	1.87	0.00
4	25	0.00	-0.59
-	-	0.00	-0.59
4	26	0.00	-0.51
-	-	0.00	-0.51
4	27	0.00	-0.34
-	-	0.00	-0.34
4	28	0.00	-0.12
-	-	0.00	-0.12
4	29	0.12	0.00
-	-	0.12	0.00
4	30	0.34	0.00
-	-	0.34	0.00
4	31	0.51	0.00
-	-	0.51	0.00
4	32	0.59	0.00
-	-	0.59	0.00
5	33	0.00	-0.09
-	-	0.00	-0.09
5	34	0.00	-0.08
-	-	0.00	-0.08
5	35	0.00	-0.05
-	-	0.00	-0.05
5	36	0.00	-0.02
-	-	0.00	-0.02

Viga	Tramo	Camión MAX.	Camión MIN.
5	37	0.02	0.00
-	-	0.02	0.00
5	38	0.05	0.00
-	-	0.05	0.00
5	39	0.08	0.00
-	-	0.08	0.00
5	40	0.09	0.00
-	-	0.09	0.00
6	41	0.04	0.00
-	-	0.04	0.00
6	42	0.03	0.00
-	-	0.03	0.00
6	43	0.02	0.00
-	-	0.02	0.00
6	44	0.01	0.00
-	-	0.01	0.00
6	45	0.00	-0.01
-	-	0.00	-0.01
6	46	0.00	-0.02
-	-	0.00	-0.02
6	47	0.00	-0.03
-	-	0.00	-0.03
6	48	0.00	-0.04
-	-	0.00	-0.04
7	49	0.04	0.00
-	-	0.04	0.00
7	50	0.03	0.00
-	-	0.03	0.00
7	51	0.02	0.00
-	-	0.02	0.00
7	52	0.01	0.00
-	-	0.01	0.00
7	53	0.00	-0.01
-	-	0.00	-0.01
7	54	0.00	-0.02
-	-	0.00	-0.02
7	55	0.00	-0.03
-	-	0.00	-0.03
7	56	0.00	-0.04
-	-	0.00	-0.04
8	57	0.02	0.00
-	-	0.02	0.00
8	58	0.02	0.00
-	-	0.02	0.00

Viga	Tramo	Camión MAX.	Camión MIN.
8	59	0.01	0.00
-	-	0.01	0.00
8	60	0.00	0.00
-	-	0.00	0.00
8	61	0.00	-0.00
-	-	0.00	-0.00
8	62	0.00	-0.01
-	-	0.00	-0.01
8	63	0.00	-0.02
-	-	0.00	-0.02
8	64	0.00	-0.02
-	-	0.00	-0.02
9	65	0.01	0.00
-	-	0.01	0.00
9	66	0.01	0.00
-	-	0.01	0.00
9	67	0.00	0.00
-	-	0.00	0.00
9	68	0.00	0.00
-	-	0.00	0.00
9	69	0.00	-0.00
-	-	0.00	-0.00
9	70	0.00	-0.00
-	-	0.00	-0.00
9	71	0.00	-0.01
-	-	0.00	-0.01
9	72	0.00	-0.01
-	-	0.00	-0.01
10	73	0.00	0.00
-	-	0.00	0.00
10	74	0.00	0.00
-	-	0.00	0.00
10	75	0.00	0.00
-	-	0.00	0.00
10	76	0.00	0.00
-	-	0.00	0.00
10	77	0.00	-0.00
-	-	0.00	-0.00
10	78	0.00	-0.00
-	-	0.00	-0.00
10	79	0.00	-0.00
-	-	0.00	-0.00
10	80	0.00	-0.00
-	-	0.00	-0.00

Viga	Tramo	Camión MAX.	Camión MIN.
11	81	0.00	-0.00
-	-	0.00	-0.00
11	82	0.00	-0.00
-	-	0.00	-0.00
11	83	0.00	-0.00
-	-	0.00	-0.00
11	84	0.00	-0.00
-	-	0.00	-0.00
11	85	0.00	-0.00
-	-	0.00	-0.00
11	86	0.00	-0.00
-	-	0.00	-0.00
11	87	0.00	-0.00
-	-	0.00	-0.00
11	88	0.00	-0.00
-	-	0.00	-0.00

Momentos Flectores

Viga	Tramo	Camión MAX.	Camión MIN.
1	1	0.00	-0.22
-	-	27.16	0.00
1	2	27.04	0.00
-	-	52.37	0.00
1	3	52.28	0.00
-	-	70.63	0.00
1	4	70.58	0.00
-	-	71.47	0.00
1	5	71.47	0.00
-	-	70.58	0.00
1	6	70.63	0.00
-	-	52.28	0.00
1	7	52.37	0.00
-	-	27.04	0.00
1	8	27.16	0.00
-	-	0.00	-0.22
2	9	0.00	-0.12
-	-	5.72	0.00
2	10	5.65	0.00
-	-	10.87	0.00
2	11	10.82	0.00
-	-	14.35	0.00
2	12	14.32	0.00
-	-	15.45	0.00

Viga	Tramo	Camión MAX.	Camión MIN.
2	13	15.45	0.00
-	-	14.32	0.00
2	14	14.35	0.00
-	-	10.82	0.00
2	15	10.87	0.00
-	-	5.65	0.00
2	16	5.72	0.00
-	-	0.00	-0.12
3	17	0.10	0.00
-	-	3.48	0.00
3	18	3.54	0.00
-	-	6.41	0.00
3	19	6.45	0.00
-	-	8.38	0.00
3	20	8.41	0.00
-	-	9.09	0.00
3	21	9.09	0.00
-	-	8.41	0.00
3	22	8.38	0.00
-	-	6.45	0.00
3	23	6.41	0.00
-	-	3.54	0.00
3	24	3.48	0.00
-	-	0.10	0.00
4	25	0.14	0.00
-	-	1.21	0.00
4	26	1.29	0.00
-	-	2.20	0.00
4	27	2.26	0.00
-	-	2.87	0.00
4	28	2.90	0.00
-	-	3.11	0.00
4	29	3.11	0.00
-	-	2.90	0.00
4	30	2.87	0.00
-	-	2.26	0.00
4	31	2.20	0.00
-	-	1.29	0.00
4	32	1.21	0.00
-	-	0.14	0.00
5	33	0.07	0.00
-	-	0.24	0.00
5	34	0.28	0.00
-	-	0.41	0.00

Viga	Tramo	Camión MAX.	Camión MIN.
5	35	0.44	0.00
-	-	0.53	0.00
5	36	0.55	0.00
-	-	0.58	0.00
5	37	0.58	0.00
-	-	0.55	0.00
5	38	0.53	0.00
-	-	0.44	0.00
5	39	0.41	0.00
-	-	0.28	0.00
5	40	0.24	0.00
-	-	0.07	0.00
6	41	0.03	0.00
-	-	0.00	-0.04
6	42	0.00	-0.03
-	-	0.00	-0.09
6	43	0.00	-0.07
-	-	0.00	-0.11
6	44	0.00	-0.11
-	-	0.00	-0.12
6	45	0.00	-0.12
-	-	0.00	-0.11
6	46	0.00	-0.11
-	-	0.00	-0.07
6	47	0.00	-0.09
-	-	0.00	-0.03
6	48	0.00	-0.04
-	-	0.03	0.00
7	49	0.01	0.00
-	-	0.00	-0.07
7	50	0.00	-0.06
-	-	0.00	-0.12
7	51	0.00	-0.12
-	-	0.00	-0.16
7	52	0.00	-0.16
-	-	0.00	-0.17
7	53	0.00	-0.17
-	-	0.00	-0.16
7	54	0.00	-0.16
-	-	0.00	-0.12
7	55	0.00	-0.12
-	-	0.00	-0.06
7	56	0.00	-0.07
-	-	0.01	0.00

Viga	Tramo	Camión MAX.	Camión MIN.
8	57	0.00	-0.00
-	-	0.00	-0.04
8	58	0.00	-0.04
-	-	0.00	-0.07
8	59	0.00	-0.07
-	-	0.00	-0.09
8	60	0.00	-0.09
-	-	0.00	-0.09
8	61	0.00	-0.09
-	-	0.00	-0.09
8	62	0.00	-0.09
-	-	0.00	-0.07
8	63	0.00	-0.07
-	-	0.00	-0.04
8	64	0.00	-0.04
-	-	0.00	-0.00
9	65	0.00	-0.00
-	-	0.00	-0.01
9	66	0.00	-0.01
-	-	0.00	-0.02
9	67	0.00	-0.02
-	-	0.00	-0.03
9	68	0.00	-0.03
-	-	0.00	-0.03
9	69	0.00	-0.03
-	-	0.00	-0.03
9	70	0.00	-0.03
-	-	0.00	-0.02
9	71	0.00	-0.02
-	-	0.00	-0.01
9	72	0.00	-0.01
-	-	0.00	-0.00
10	73	0.00	-0.00
-	-	0.00	-0.00
10	74	0.00	-0.00
-	-	0.00	-0.00
10	75	0.00	-0.00
-	-	0.00	-0.00
10	76	0.00	-0.00
-	-	0.00	-0.00
10	77	0.00	-0.00
-	-	0.00	-0.00
10	78	0.00	-0.00
-	-	0.00	-0.00

Viga	Tramo	Camión MAX.	Camión MIN.
10	79	0.00	-0.00
-	-	0.00	-0.00
10	80	0.00	-0.00
-	-	0.00	-0.00
11	81	0.00	-0.00
-	-	0.00	-0.00
11	82	0.00	-0.00
-	-	0.00	-0.00
11	83	0.00	-0.00
-	-	0.00	-0.00
11	84	0.00	-0.00
-	-	0.00	-0.00
11	85	0.00	-0.00
-	-	0.00	-0.00
11	86	0.00	-0.00
-	-	0.00	-0.00
11	87	0.00	-0.00
-	-	0.00	-0.00
11	88	0.00	-0.00
-	-	0.00	-0.00

Envolvente de reacciones

Nudo	Camión MAX.	Camión MIN.
3	26.692	0.000
5	0.000	-8.299
7	6.442	0.000
8	1.203	0.000
9	0.266	0.000
10	0.000	-0.132
11	0.000	-0.101
12	0.000	-0.053
13	0.000	-0.017
14	0.000	-0.002
15	0.000	0.000
17	0.000	-0.002
19	0.003	0.000
129	26.692	0.000
131	0.000	-8.299
133	6.442	0.000
134	1.203	0.000
135	0.266	0.000
136	0.000	-0.132
137	0.000	-0.101

Nudo	Camión MAX.	Camión MIN.
138	0.000	-0.053
139	0.000	-0.017
140	0.000	-0.002
141	0.000	0.000
143	0.000	-0.002
145	0.003	0.000

PRUEBA DE CARGA
MODELO ELEMENTOS FINITOS

CEFMA - CÁLCULO DE ESTRUCTURAS POR ELEMENTOS FINITOS
ANÁLISIS ESTÁTICO Y LINEAL

Fecha: Wed Jan 29 11:50:32 2014

MODELO MEF AMPLIACION TABLERO

Datos del modelo de cálculo:

Nodos:

Nodo	X (m)	Y (m)	Z (m)
1	-11.250	0.000	1.838
2	-11.250	0.453	1.838
3	-11.250	0.906	1.838
4	-11.250	1.359	1.838
5	-11.250	1.813	1.838
6	-11.250	2.266	1.838
7	-11.250	2.719	1.838
8	-11.250	3.172	1.838
9	-11.250	3.625	1.838
10	-11.250	4.078	1.838
11	-11.250	4.531	1.838
12	-11.250	4.984	1.838
13	-11.250	5.438	1.838
14	-11.250	5.891	1.838
15	-11.250	6.344	1.838
16	-11.250	6.797	1.838
17	-11.250	7.250	1.838
18	-11.250	7.703	1.838
19	-11.250	8.156	1.838
20	-11.250	8.609	1.838
21	-11.250	9.063	1.838
22	-11.250	9.516	1.838
23	-11.250	9.969	1.838
24	-11.250	10.422	1.838
25	-11.250	10.875	1.838
26	-11.250	11.328	1.838
27	-11.250	11.781	1.838
28	-11.250	12.234	1.838
29	-11.250	12.688	1.838
30	-11.250	13.141	1.838
31	-11.250	13.594	1.838
32	-11.250	14.047	1.838
33	-11.250	14.500	1.838
34	-8.445	3.625	0.538
35	-8.445	4.078	0.538
36	-8.445	4.531	0.538
37	-8.445	4.984	0.538
38	-8.445	5.438	0.538
39	-8.445	5.891	0.538
40	-8.445	6.344	0.538
41	-8.445	6.797	0.538
42	-8.445	7.250	0.538
43	-8.445	7.703	0.538
44	-8.445	8.156	0.538
45	-8.445	8.609	0.538
46	-8.445	9.063	0.538
47	-8.445	9.516	0.538
48	-8.445	9.969	0.538
49	-8.445	10.422	0.538
50	-8.445	10.875	0.538

51	-10.757	0.000	1.838
52	-10.757	0.453	1.838
53	-10.757	0.906	1.838
54	-10.757	1.359	1.838
55	-10.757	1.813	1.838
56	-10.757	2.266	1.838
57	-10.757	2.719	1.838
58	-10.757	3.172	1.838
59	-10.757	3.625	1.838
60	-10.757	4.078	1.838
61	-10.757	4.531	1.838
62	-10.757	4.984	1.838
63	-10.757	5.438	1.838
64	-10.757	5.891	1.838
65	-10.757	6.344	1.838
66	-10.757	6.797	1.838
67	-10.757	7.250	1.838
68	-10.757	7.703	1.838
69	-10.757	8.156	1.838
70	-10.757	8.609	1.838
71	-10.757	9.063	1.838
72	-10.757	9.516	1.838
73	-10.757	9.969	1.838
74	-10.757	10.422	1.838
75	-10.757	10.875	1.838
76	-10.757	11.328	1.838
77	-10.757	11.781	1.838
78	-10.757	12.234	1.838
79	-10.757	12.688	1.838
80	-10.757	13.141	1.838
81	-10.757	13.594	1.838
82	-10.757	14.047	1.838
83	-10.757	14.500	1.838
84	-8.653	3.625	0.863
85	-8.653	4.078	0.863
86	-8.653	3.172	0.863
87	-8.445	3.172	0.538
88	-8.268	3.625	0.538
89	-8.268	4.078	0.538
90	-8.268	3.172	0.538
91	-8.653	4.531	0.863
92	-8.268	4.531	0.538
93	-8.653	4.984	0.863
94	-8.268	4.984	0.538
95	-8.653	5.438	0.863
96	-8.268	5.438	0.538
97	-8.653	5.891	0.863
98	-8.268	5.891	0.538
99	-8.653	6.344	0.863
100	-8.268	6.344	0.538
101	-8.653	6.797	0.863
102	-8.268	6.797	0.538
103	-8.653	7.250	0.863
104	-8.268	7.250	0.538
105	-8.653	7.703	0.863
106	-8.268	7.703	0.538
107	-8.653	8.156	0.863
108	-8.268	8.156	0.538
109	-8.653	8.609	0.863
110	-8.268	8.609	0.538
111	-8.653	9.063	0.863
112	-8.268	9.063	0.538

113	-8.653	9.516	0.863
114	-8.268	9.516	0.538
115	-8.653	9.969	0.863
116	-8.268	9.969	0.538
117	-8.653	10.422	0.863
118	-8.268	10.422	0.538
119	-8.653	10.875	0.863
120	-8.268	10.875	0.538
121	-8.445	11.328	0.538
122	-8.653	11.328	0.863
123	-8.268	11.328	0.538
124	-10.264	0.000	1.838
125	-10.264	0.453	1.838
126	-10.264	0.906	1.838
127	-10.264	1.359	1.838
128	-10.264	1.813	1.838
129	-10.264	2.266	1.838
130	-10.264	2.719	1.838
131	-10.264	3.172	1.838
132	-10.264	3.625	1.838
133	-10.264	4.078	1.838
134	-10.264	4.531	1.838
135	-10.264	4.984	1.838
136	-10.264	5.438	1.838
137	-10.264	5.891	1.838
138	-10.264	6.344	1.838
139	-10.264	6.797	1.838
140	-10.264	7.250	1.838
141	-10.264	7.703	1.838
142	-10.264	8.156	1.838
143	-10.264	8.609	1.838
144	-10.264	9.063	1.838
145	-10.264	9.516	1.838
146	-10.264	9.969	1.838
147	-10.264	10.422	1.838
148	-10.264	10.875	1.838
149	-10.264	11.328	1.838
150	-10.264	11.781	1.838
151	-10.264	12.234	1.838
152	-10.264	12.688	1.838
153	-10.264	13.141	1.838
154	-10.264	13.594	1.838
155	-10.264	14.047	1.838
156	-10.264	14.500	1.838
157	-8.861	3.625	1.188
158	-8.861	4.078	1.188
159	-8.861	3.172	1.188
160	-8.861	4.531	1.188
161	-8.653	2.719	0.863
162	-8.445	2.719	0.538
163	-8.861	2.719	1.188
164	-8.268	2.719	0.538
165	-8.091	3.625	0.538
166	-8.091	4.078	0.538
167	-8.091	3.172	0.538
168	-8.091	4.531	0.538
169	-8.091	2.719	0.538
170	-8.861	4.984	1.188
171	-8.091	4.984	0.538
172	-8.861	5.438	1.188
173	-8.091	5.438	0.538
174	-8.861	5.891	1.188

175	-8.091	5.891	0.538
176	-8.861	6.344	1.188
177	-8.091	6.344	0.538
178	-8.861	6.797	1.188
179	-8.091	6.797	0.538
180	-8.861	7.250	1.188
181	-8.091	7.250	0.538
182	-8.861	7.703	1.188
183	-8.091	7.703	0.538
184	-8.861	8.156	1.188
185	-8.091	8.156	0.538
186	-8.861	8.609	1.188
187	-8.091	8.609	0.538
188	-8.861	9.063	1.188
189	-8.091	9.063	0.538
190	-8.861	9.516	1.188
191	-8.091	9.516	0.538
192	-8.861	9.969	1.188
193	-8.091	9.969	0.538
194	-8.861	10.422	1.188
195	-8.091	10.422	0.538
196	-8.861	10.875	1.188
197	-8.091	10.875	0.538
198	-8.861	11.328	1.188
199	-8.091	11.328	0.538
200	-8.445	11.781	0.538
201	-8.653	11.781	0.863
202	-8.268	11.781	0.538
203	-8.861	11.781	1.188
204	-8.091	11.781	0.538
205	-8.861	2.266	1.188
206	-8.861	12.234	1.188
207	-8.861	1.813	1.188
208	-8.861	12.688	1.188
209	-8.861	1.359	1.188
210	-8.861	13.141	1.188
211	-8.861	0.906	1.188
212	-8.861	13.594	1.188
213	-9.770	0.000	1.838
214	-9.770	0.453	1.838
215	-9.770	0.906	1.838
216	-9.770	1.359	1.838
217	-9.770	1.813	1.838
218	-9.770	2.266	1.838
219	-9.770	2.719	1.838
220	-9.770	3.172	1.838
221	-9.770	3.625	1.838
222	-9.770	4.078	1.838
223	-9.770	4.531	1.838
224	-9.770	4.984	1.838
225	-9.770	5.438	1.838
226	-9.770	5.891	1.838
227	-9.770	6.344	1.838
228	-9.770	6.797	1.838
229	-9.770	7.250	1.838
230	-9.770	7.703	1.838
231	-9.770	8.156	1.838
232	-9.770	8.609	1.838
233	-9.770	9.063	1.838
234	-9.770	9.516	1.838
235	-9.770	9.969	1.838
236	-9.770	10.422	1.838

237	-9.770	10.875	1.838
238	-9.770	11.328	1.838
239	-9.770	11.781	1.838
240	-9.770	12.234	1.838
241	-9.770	12.688	1.838
242	-9.770	13.141	1.838
243	-9.770	13.594	1.838
244	-9.770	14.047	1.838
245	-9.770	14.500	1.838
246	-9.069	3.625	1.513
247	-9.069	4.078	1.513
248	-9.069	3.172	1.513
249	-9.069	4.531	1.513
250	-9.069	2.719	1.513
251	-9.069	4.984	1.513
252	-8.653	2.266	0.863
253	-8.445	2.266	0.538
254	-8.268	2.266	0.538
255	-9.069	2.266	1.513
256	-8.091	2.266	0.538
257	-7.914	3.625	0.538
258	-7.914	4.078	0.538
259	-7.914	3.172	0.538
260	-7.914	4.531	0.538
261	-7.914	2.719	0.538
262	-7.914	4.984	0.538
263	-7.914	2.266	0.538
264	-9.069	5.438	1.513
265	-7.914	5.438	0.538
266	-9.069	5.891	1.513
267	-7.914	5.891	0.538
268	-9.069	6.344	1.513
269	-7.914	6.344	0.538
270	-9.069	6.797	1.513
271	-7.914	6.797	0.538
272	-9.069	7.250	1.513
273	-7.914	7.250	0.538
274	-9.069	7.703	1.513
275	-7.914	7.703	0.538
276	-9.069	8.156	1.513
277	-7.914	8.156	0.538
278	-9.069	8.609	1.513
279	-7.914	8.609	0.538
280	-9.069	9.063	1.513
281	-7.914	9.063	0.538
282	-9.069	9.516	1.513
283	-7.914	9.516	0.538
284	-9.069	9.969	1.513
285	-7.914	9.969	0.538
286	-9.069	10.422	1.513
287	-7.914	10.422	0.538
288	-9.069	10.875	1.513
289	-7.914	10.875	0.538
290	-9.069	11.328	1.513
291	-7.914	11.328	0.538
292	-9.069	11.781	1.513
293	-7.914	11.781	0.538
294	-8.445	12.234	0.538
295	-8.653	12.234	0.863
296	-8.268	12.234	0.538
297	-8.091	12.234	0.538
298	-9.069	12.234	1.513

299	-7.914	12.234	0.538
300	-9.069	1.813	1.513
301	-8.653	1.813	0.863
302	-9.069	12.688	1.513
303	-8.653	12.688	0.863
304	-9.069	1.359	1.513
305	-8.653	1.359	0.863
306	-9.069	13.141	1.513
307	-8.653	13.141	0.863
308	-9.069	0.906	1.513
309	-8.653	0.906	0.863
310	-9.069	13.594	1.513
311	-8.653	13.594	0.863
312	-9.069	0.453	1.513
313	-8.861	0.453	1.188
314	-8.653	0.453	0.863
315	-8.861	14.047	1.188
316	-9.069	14.047	1.513
317	-8.653	14.047	0.863
318	-9.277	0.000	1.838
319	-9.277	0.453	1.838
320	-9.277	0.906	1.838
321	-9.277	1.359	1.838
322	-9.277	1.813	1.838
323	-9.277	2.266	1.838
324	-9.277	2.719	1.838
325	-9.277	3.172	1.838
326	-9.277	3.625	1.838
327	-9.277	4.078	1.838
328	-9.277	4.531	1.838
329	-9.277	4.984	1.838
330	-9.277	5.438	1.838
331	-9.277	5.891	1.838
332	-9.277	6.344	1.838
333	-9.277	6.797	1.838
334	-9.277	7.250	1.838
335	-9.277	7.703	1.838
336	-9.277	8.156	1.838
337	-9.277	8.609	1.838
338	-9.277	9.063	1.838
339	-9.277	9.516	1.838
340	-9.277	9.969	1.838
341	-9.277	10.422	1.838
342	-9.277	10.875	1.838
343	-9.277	11.328	1.838
344	-9.277	11.781	1.838
345	-9.277	12.234	1.838
346	-9.277	12.688	1.838
347	-9.277	13.141	1.838
348	-9.277	13.594	1.838
349	-9.277	14.047	1.838
350	-9.277	14.500	1.838
351	-8.445	1.813	0.538
352	-8.268	1.813	0.538
353	-8.091	1.813	0.538
354	-7.914	1.813	0.538
355	-7.738	3.625	0.538
356	-7.738	4.078	0.538
357	-7.738	3.172	0.538
358	-7.738	4.531	0.538
359	-7.738	2.719	0.538
360	-7.738	4.984	0.538

361	-7.738	2.266	0.538
362	-7.738	5.438	0.538
363	-7.738	1.813	0.538
364	-7.738	5.891	0.538
365	-7.738	6.344	0.538
366	-7.738	6.797	0.538
367	-7.738	7.250	0.538
368	-7.738	7.703	0.538
369	-7.738	8.156	0.538
370	-7.738	8.609	0.538
371	-7.738	9.063	0.538
372	-7.738	9.516	0.538
373	-7.738	9.969	0.538
374	-7.738	10.422	0.538
375	-7.738	10.875	0.538
376	-7.738	11.328	0.538
377	-7.738	11.781	0.538
378	-7.738	12.234	0.538
379	-8.445	12.688	0.538
380	-8.268	12.688	0.538
381	-8.091	12.688	0.538
382	-7.914	12.688	0.538
383	-7.738	12.688	0.538
384	-8.445	1.359	0.538
385	-8.445	13.141	0.538
386	-8.445	0.906	0.538
387	-8.445	13.594	0.538
388	-8.445	0.453	0.538
389	-8.445	14.047	0.538
390	-9.069	0.000	1.513
391	-8.861	0.000	1.188
392	-8.653	0.000	0.863
393	-8.445	0.000	0.538
394	-8.861	14.500	1.188
395	-9.069	14.500	1.513
396	-8.653	14.500	0.863
397	-8.445	14.500	0.538
398	-8.736	0.000	1.513
399	-8.892	0.000	1.838
400	-8.892	0.453	1.838
401	-8.892	0.906	1.838
402	-8.892	1.359	1.838
403	-8.892	1.813	1.838
404	-8.892	2.266	1.838
405	-8.892	2.719	1.838
406	-8.892	3.172	1.838
407	-8.892	3.625	1.838
408	-8.892	4.078	1.838
409	-8.892	4.531	1.838
410	-8.892	4.984	1.838
411	-8.892	5.438	1.838
412	-8.892	5.891	1.838
413	-8.892	6.344	1.838
414	-8.892	6.797	1.838
415	-8.892	7.250	1.838
416	-8.892	7.703	1.838
417	-8.892	8.156	1.838
418	-8.892	8.609	1.838
419	-8.892	9.063	1.838
420	-8.892	9.516	1.838
421	-8.892	9.969	1.838
422	-8.892	10.422	1.838

423	-8.892	10.875	1.838
424	-8.892	11.328	1.838
425	-8.892	11.781	1.838
426	-8.892	12.234	1.838
427	-8.892	12.688	1.838
428	-8.892	13.141	1.838
429	-8.892	13.594	1.838
430	-8.892	14.047	1.838
431	-8.892	14.500	1.838
432	-8.736	14.500	1.513
433	-8.268	1.359	0.538
434	-8.091	1.359	0.538
435	-7.914	1.359	0.538
436	-7.738	1.359	0.538
437	-7.738	3.625	0.863
438	-7.738	4.078	0.863
439	-7.738	3.172	0.863
440	-7.435	3.625	0.538
441	-7.435	4.078	0.538
442	-7.435	3.172	0.538
443	-7.738	4.531	0.863
444	-7.435	4.531	0.538
445	-7.738	2.719	0.863
446	-7.435	2.719	0.538
447	-7.738	4.984	0.863
448	-7.435	4.984	0.538
449	-7.738	2.266	0.863
450	-7.435	2.266	0.538
451	-7.738	5.438	0.863
452	-7.435	5.438	0.538
453	-7.738	1.813	0.863
454	-7.435	1.813	0.538
455	-7.738	5.891	0.863
456	-7.435	5.891	0.538
457	-7.738	1.359	0.863
458	-7.435	1.359	0.538
459	-7.738	6.344	0.863
460	-7.435	6.344	0.538
461	-7.738	6.797	0.863
462	-7.435	6.797	0.538
463	-7.738	7.250	0.863
464	-7.435	7.250	0.538
465	-7.738	7.703	0.863
466	-7.435	7.703	0.538
467	-7.738	8.156	0.863
468	-7.435	8.156	0.538
469	-7.738	8.609	0.863
470	-7.435	8.609	0.538
471	-7.738	9.063	0.863
472	-7.435	9.063	0.538
473	-7.738	9.516	0.863
474	-7.435	9.516	0.538
475	-7.738	9.969	0.863
476	-7.435	9.969	0.538
477	-7.738	10.422	0.863
478	-7.435	10.422	0.538
479	-7.738	10.875	0.863
480	-7.435	10.875	0.538
481	-7.738	11.328	0.863
482	-7.435	11.328	0.538
483	-7.738	11.781	0.863
484	-7.435	11.781	0.538

485	-7.738	12.234	0.863
486	-7.435	12.234	0.538
487	-7.738	12.688	0.863
488	-7.435	12.688	0.538
489	-8.268	13.141	0.538
490	-8.091	13.141	0.538
491	-7.914	13.141	0.538
492	-7.738	13.141	0.538
493	-7.738	13.141	0.863
494	-7.435	13.141	0.538
495	-8.268	0.906	0.538
496	-8.268	13.594	0.538
497	-8.268	0.453	0.538
498	-8.268	14.047	0.538
499	-8.268	0.000	0.538
500	-8.268	14.500	0.538
501	-8.580	0.000	1.188
502	-8.424	0.000	0.863
503	-8.424	14.500	0.863
504	-8.580	14.500	1.188
505	-8.403	0.000	1.513
506	-8.507	0.000	1.838
507	-8.299	0.000	1.188
508	-8.507	0.453	1.838
509	-8.507	0.906	1.838
510	-8.507	1.359	1.838
511	-8.507	1.813	1.838
512	-8.507	2.266	1.838
513	-8.507	2.719	1.838
514	-8.507	3.172	1.838
515	-8.507	3.625	1.838
516	-8.507	4.078	1.838
517	-8.507	4.531	1.838
518	-8.507	4.984	1.838
519	-8.507	5.438	1.838
520	-8.507	5.891	1.838
521	-8.507	6.344	1.838
522	-8.507	6.797	1.838
523	-8.507	7.250	1.838
524	-8.507	7.703	1.838
525	-8.507	8.156	1.838
526	-8.507	8.609	1.838
527	-8.507	9.063	1.838
528	-8.507	9.516	1.838
529	-8.507	9.969	1.838
530	-8.507	10.422	1.838
531	-8.507	10.875	1.838
532	-8.507	11.328	1.838
533	-8.507	11.781	1.838
534	-8.507	12.234	1.838
535	-8.507	12.688	1.838
536	-8.507	13.141	1.838
537	-8.507	13.594	1.838
538	-8.507	14.047	1.838
539	-8.507	14.500	1.838
540	-8.403	14.500	1.513
541	-8.299	14.500	1.188
542	-8.091	0.906	0.538
543	-7.914	0.906	0.538
544	-7.738	0.906	0.538
545	-7.738	0.906	0.863
546	-7.435	0.906	0.538

547	-7.738	3.625	1.188
548	-7.738	4.078	1.188
549	-7.738	3.172	1.188
550	-7.738	4.531	1.188
551	-7.738	2.719	1.188
552	-7.132	3.625	0.538
553	-7.132	4.078	0.538
554	-7.132	3.172	0.538
555	-7.132	4.531	0.538
556	-7.132	2.719	0.538
557	-7.738	4.984	1.188
558	-7.132	4.984	0.538
559	-7.738	2.266	1.188
560	-7.132	2.266	0.538
561	-7.738	5.438	1.188
562	-7.132	5.438	0.538
563	-7.738	1.813	1.188
564	-7.132	1.813	0.538
565	-7.738	5.891	1.188
566	-7.132	5.891	0.538
567	-7.738	1.359	1.188
568	-7.132	1.359	0.538
569	-7.738	6.344	1.188
570	-7.132	6.344	0.538
571	-7.738	0.906	1.188
572	-7.132	0.906	0.538
573	-7.738	6.797	1.188
574	-7.132	6.797	0.538
575	-7.738	7.250	1.188
576	-7.132	7.250	0.538
577	-7.738	7.703	1.188
578	-7.132	7.703	0.538
579	-7.738	8.156	1.188
580	-7.132	8.156	0.538
581	-7.738	8.609	1.188
582	-7.132	8.609	0.538
583	-7.738	9.063	1.188
584	-7.132	9.063	0.538
585	-7.738	9.516	1.188
586	-7.132	9.516	0.538
587	-7.738	9.969	1.188
588	-7.132	9.969	0.538
589	-7.738	10.422	1.188
590	-7.132	10.422	0.538
591	-7.738	10.875	1.188
592	-7.132	10.875	0.538
593	-7.738	11.328	1.188
594	-7.132	11.328	0.538
595	-7.738	11.781	1.188
596	-7.132	11.781	0.538
597	-7.738	12.234	1.188
598	-7.132	12.234	0.538
599	-7.738	12.688	1.188
600	-7.132	12.688	0.538
601	-7.738	13.141	1.188
602	-7.132	13.141	0.538
603	-8.091	13.594	0.538
604	-7.914	13.594	0.538
605	-7.738	13.594	0.538
606	-7.738	13.594	0.863
607	-7.435	13.594	0.538
608	-7.738	13.594	1.188

609	-7.132	13.594	0.538
610	-8.091	0.453	0.538
611	-8.091	14.047	0.538
612	-8.091	0.000	0.538
613	-8.091	14.500	0.538
614	-8.195	0.000	0.863
615	-8.195	14.500	0.863
616	-8.070	0.000	1.513
617	-8.122	0.000	1.838
618	-8.018	0.000	1.188
619	-8.122	0.453	1.838
620	-7.966	0.000	0.863
621	-8.122	0.906	1.838
622	-8.122	1.359	1.838
623	-8.122	1.813	1.838
624	-8.122	2.266	1.838
625	-8.122	2.719	1.838
626	-8.122	3.172	1.838
627	-8.122	3.625	1.838
628	-8.122	4.078	1.838
629	-8.122	4.531	1.838
630	-8.122	4.984	1.838
631	-8.122	5.438	1.838
632	-8.122	5.891	1.838
633	-8.122	6.344	1.838
634	-8.122	6.797	1.838
635	-8.122	7.250	1.838
636	-8.122	7.703	1.838
637	-8.122	8.156	1.838
638	-8.122	8.609	1.838
639	-8.122	9.063	1.838
640	-8.122	9.516	1.838
641	-8.122	9.969	1.838
642	-8.122	10.422	1.838
643	-8.122	10.875	1.838
644	-8.122	11.328	1.838
645	-8.122	11.781	1.838
646	-8.122	12.234	1.838
647	-8.122	12.688	1.838
648	-8.122	13.141	1.838
649	-8.122	13.594	1.838
650	-8.122	14.047	1.838
651	-8.122	14.500	1.838
652	-8.070	14.500	1.513
653	-8.018	14.500	1.188
654	-7.966	14.500	0.863
655	-7.914	0.453	0.538
656	-7.738	0.453	0.538
657	-7.738	0.453	0.863
658	-7.435	0.453	0.538
659	-7.738	0.453	1.188
660	-7.132	0.453	0.538
661	-7.738	3.625	1.513
662	-7.738	4.078	1.513
663	-7.738	3.172	1.513
664	-7.738	4.531	1.513
665	-7.738	2.719	1.513
666	-7.738	4.984	1.513
667	-7.738	2.266	1.513
668	-6.829	3.625	0.538
669	-6.829	4.078	0.538
670	-6.829	3.172	0.538

671	-6.829	4.531	0.538
672	-6.829	2.719	0.538
673	-6.829	4.984	0.538
674	-6.829	2.266	0.538
675	-7.738	5.438	1.513
676	-6.829	5.438	0.538
677	-7.738	1.813	1.513
678	-6.829	1.813	0.538
679	-7.738	5.891	1.513
680	-6.829	5.891	0.538
681	-7.738	1.359	1.513
682	-6.829	1.359	0.538
683	-7.738	6.344	1.513
684	-6.829	6.344	0.538
685	-7.738	0.906	1.513
686	-6.829	0.906	0.538
687	-7.738	6.797	1.513
688	-6.829	6.797	0.538
689	-7.738	0.453	1.513
690	-6.829	0.453	0.538
691	-7.738	7.250	1.513
692	-6.829	7.250	0.538
693	-7.738	7.703	1.513
694	-6.829	7.703	0.538
695	-7.738	8.156	1.513
696	-6.829	8.156	0.538
697	-7.738	8.609	1.513
698	-6.829	8.609	0.538
699	-7.738	9.063	1.513
700	-6.829	9.063	0.538
701	-7.738	9.516	1.513
702	-6.829	9.516	0.538
703	-7.738	9.969	1.513
704	-6.829	9.969	0.538
705	-7.738	10.422	1.513
706	-6.829	10.422	0.538
707	-7.738	10.875	1.513
708	-6.829	10.875	0.538
709	-7.738	11.328	1.513
710	-6.829	11.328	0.538
711	-7.738	11.781	1.513
712	-6.829	11.781	0.538
713	-7.738	12.234	1.513
714	-6.829	12.234	0.538
715	-7.738	12.688	1.513
716	-6.829	12.688	0.538
717	-7.738	13.141	1.513
718	-6.829	13.141	0.538
719	-7.738	13.594	1.513
720	-6.829	13.594	0.538
721	-7.914	14.047	0.538
722	-7.738	14.047	0.538
723	-7.738	14.047	0.863
724	-7.435	14.047	0.538
725	-7.738	14.047	1.188
726	-7.132	14.047	0.538
727	-7.738	14.047	1.513
728	-6.829	14.047	0.538
729	-7.914	0.000	0.538
730	-7.914	14.500	0.538
731	-7.738	0.000	1.838
732	-7.738	0.000	1.513

733	-7.738	0.000	1.188
734	-7.738	0.453	1.838
735	-7.738	0.000	0.863
736	-7.738	0.906	1.838
737	-7.738	0.000	0.538
738	-7.738	1.359	1.838
739	-7.738	1.813	1.838
740	-7.738	2.266	1.838
741	-7.738	2.719	1.838
742	-7.738	3.172	1.838
743	-7.738	3.625	1.838
744	-7.738	4.078	1.838
745	-7.738	4.531	1.838
746	-7.738	4.984	1.838
747	-7.738	5.438	1.838
748	-7.738	5.891	1.838
749	-7.738	6.344	1.838
750	-7.738	6.797	1.838
751	-7.738	7.250	1.838
752	-7.738	7.703	1.838
753	-7.738	8.156	1.838
754	-7.738	8.609	1.838
755	-7.738	9.063	1.838
756	-7.738	9.516	1.838
757	-7.738	9.969	1.838
758	-7.738	10.422	1.838
759	-7.738	10.875	1.838
760	-7.738	11.328	1.838
761	-7.738	11.781	1.838
762	-7.738	12.234	1.838
763	-7.738	12.688	1.838
764	-7.738	13.141	1.838
765	-7.738	13.594	1.838
766	-7.738	14.047	1.838
767	-7.738	14.500	1.838
768	-7.738	14.500	1.513
769	-7.738	14.500	1.188
770	-7.738	14.500	0.863
771	-7.738	14.500	0.538
772	-7.435	0.000	0.538
773	-7.132	0.000	0.538
774	-6.829	0.000	0.538
775	-6.526	3.625	0.538
776	-6.526	4.078	0.538
777	-6.526	3.172	0.538
778	-6.526	4.531	0.538
779	-6.526	2.719	0.538
780	-6.526	4.984	0.538
781	-6.526	2.266	0.538
782	-6.526	5.438	0.538
783	-6.526	1.813	0.538
784	-6.526	5.891	0.538
785	-6.526	1.359	0.538
786	-6.526	6.344	0.538
787	-6.526	0.906	0.538
788	-6.526	6.797	0.538
789	-6.526	0.453	0.538
790	-6.526	7.250	0.538
791	-6.526	0.000	0.538
792	-6.526	7.703	0.538
793	-6.526	8.156	0.538
794	-6.526	8.609	0.538

795	-6.526	9.063	0.538
796	-6.526	9.516	0.538
797	-6.526	9.969	0.538
798	-6.526	10.422	0.538
799	-6.526	10.875	0.538
800	-6.526	11.328	0.538
801	-6.526	11.781	0.538
802	-6.526	12.234	0.538
803	-6.526	12.688	0.538
804	-6.526	13.141	0.538
805	-6.526	13.594	0.538
806	-6.526	14.047	0.538
807	-7.435	14.500	0.538
808	-7.132	14.500	0.538
809	-6.829	14.500	0.538
810	-6.526	14.500	0.538
811	-7.435	0.000	1.513
812	-7.435	0.000	1.838
813	-7.435	0.453	1.838
814	-7.435	0.000	1.188
815	-7.435	0.000	0.863
816	-7.435	0.906	1.838
817	-7.435	1.359	1.838
818	-7.435	1.813	1.838
819	-7.435	2.266	1.838
820	-7.435	2.719	1.838
821	-7.435	3.172	1.838
822	-7.435	3.625	1.838
823	-7.435	4.078	1.838
824	-7.435	4.531	1.838
825	-7.435	4.984	1.838
826	-7.435	5.438	1.838
827	-7.435	5.891	1.838
828	-7.435	6.344	1.838
829	-7.435	6.797	1.838
830	-7.435	7.250	1.838
831	-7.435	7.703	1.838
832	-7.435	8.156	1.838
833	-7.435	8.609	1.838
834	-7.435	9.063	1.838
835	-7.435	9.516	1.838
836	-7.435	9.969	1.838
837	-7.435	10.422	1.838
838	-7.435	10.875	1.838
839	-7.435	11.328	1.838
840	-7.435	11.781	1.838
841	-7.435	12.234	1.838
842	-7.435	12.688	1.838
843	-7.435	13.141	1.838
844	-7.435	13.594	1.838
845	-7.435	14.047	1.838
846	-7.435	14.500	1.838
847	-7.435	14.500	1.513
848	-7.435	14.500	1.188
849	-7.435	14.500	0.863
850	-7.132	0.000	0.863
851	-6.829	0.000	0.863
852	-6.526	0.000	0.863
853	-6.526	3.625	0.863
854	-6.526	4.078	0.863
855	-6.526	3.172	0.863
856	-6.526	4.531	0.863

857	-6.526	2.719	0.863
858	-6.526	4.984	0.863
859	-6.526	2.266	0.863
860	-6.526	5.438	0.863
861	-6.526	1.813	0.863
862	-6.526	5.891	0.863
863	-6.526	1.359	0.863
864	-6.526	6.344	0.863
865	-6.526	0.906	0.863
866	-6.526	6.797	0.863
867	-6.526	0.453	0.863
868	-6.526	7.250	0.863
869	-6.526	7.703	0.863
870	-6.526	8.156	0.863
871	-6.526	8.609	0.863
872	-6.526	9.063	0.863
873	-6.526	9.516	0.863
874	-6.526	9.969	0.863
875	-6.526	10.422	0.863
876	-6.526	10.875	0.863
877	-6.526	11.328	0.863
878	-6.526	11.781	0.863
879	-6.526	12.234	0.863
880	-6.526	12.688	0.863
881	-6.526	13.141	0.863
882	-6.526	13.594	0.863
883	-6.526	14.047	0.863
884	-6.526	14.500	0.863
885	-7.132	14.500	0.863
886	-6.829	14.500	0.863
887	-7.132	0.000	1.513
888	-7.132	0.000	1.838
889	-7.132	0.000	1.188
890	-7.132	0.453	1.838
891	-7.132	0.906	1.838
892	-7.132	1.359	1.838
893	-7.132	1.813	1.838
894	-7.132	2.266	1.838
895	-7.132	2.719	1.838
896	-7.132	3.172	1.838
897	-7.132	3.625	1.838
898	-7.132	4.078	1.838
899	-7.132	4.531	1.838
900	-7.132	4.984	1.838
901	-7.132	5.438	1.838
902	-7.132	5.891	1.838
903	-7.132	6.344	1.838
904	-7.132	6.797	1.838
905	-7.132	7.250	1.838
906	-7.132	7.703	1.838
907	-7.132	8.156	1.838
908	-7.132	8.609	1.838
909	-7.132	9.063	1.838
910	-7.132	9.516	1.838
911	-7.132	9.969	1.838
912	-7.132	10.422	1.838
913	-7.132	10.875	1.838
914	-7.132	11.328	1.838
915	-7.132	11.781	1.838
916	-7.132	12.234	1.838
917	-7.132	12.688	1.838
918	-7.132	13.141	1.838

919	-7.132	13.594	1.838
920	-7.132	14.047	1.838
921	-7.132	14.500	1.838
922	-7.132	14.500	1.513
923	-7.132	14.500	1.188
924	-6.829	0.000	1.188
925	-6.526	0.000	1.188
926	-6.526	0.453	1.188
927	-6.526	3.625	1.188
928	-6.526	4.078	1.188
929	-6.526	3.172	1.188
930	-6.526	4.531	1.188
931	-6.526	2.719	1.188
932	-6.526	4.984	1.188
933	-6.526	2.266	1.188
934	-6.526	5.438	1.188
935	-6.526	1.813	1.188
936	-6.526	5.891	1.188
937	-6.526	1.359	1.188
938	-6.526	6.344	1.188
939	-6.526	0.906	1.188
940	-6.526	6.797	1.188
941	-6.526	7.250	1.188
942	-6.526	7.703	1.188
943	-6.526	8.156	1.188
944	-6.526	8.609	1.188
945	-6.526	9.063	1.188
946	-6.526	9.516	1.188
947	-6.526	9.969	1.188
948	-6.526	10.422	1.188
949	-6.526	10.875	1.188
950	-6.526	11.328	1.188
951	-6.526	11.781	1.188
952	-6.526	12.234	1.188
953	-6.526	12.688	1.188
954	-6.526	13.141	1.188
955	-6.526	13.594	1.188
956	-6.526	14.047	1.188
957	-6.526	14.500	1.188
958	-6.829	14.500	1.188
959	-6.829	0.000	1.513
960	-6.829	0.000	1.838
961	-6.829	0.453	1.838
962	-6.829	0.906	1.838
963	-6.829	1.359	1.838
964	-6.829	1.813	1.838
965	-6.829	2.266	1.838
966	-6.829	2.719	1.838
967	-6.829	3.172	1.838
968	-6.829	3.625	1.838
969	-6.829	4.078	1.838
970	-6.829	4.531	1.838
971	-6.829	4.984	1.838
972	-6.829	5.438	1.838
973	-6.829	5.891	1.838
974	-6.829	6.344	1.838
975	-6.829	6.797	1.838
976	-6.829	7.250	1.838
977	-6.829	7.703	1.838
978	-6.829	8.156	1.838
979	-6.829	8.609	1.838
980	-6.829	9.063	1.838

981	-6.829	9.516	1.838
982	-6.829	9.969	1.838
983	-6.829	10.422	1.838
984	-6.829	10.875	1.838
985	-6.829	11.328	1.838
986	-6.829	11.781	1.838
987	-6.829	12.234	1.838
988	-6.829	12.688	1.838
989	-6.829	13.141	1.838
990	-6.829	13.594	1.838
991	-6.829	14.047	1.838
992	-6.829	14.500	1.838
993	-6.829	14.500	1.513
994	-6.526	0.000	1.513
995	-6.526	0.453	1.513
996	-6.526	0.906	1.513
997	-6.526	3.625	1.513
998	-6.526	4.078	1.513
999	-6.526	3.172	1.513
1000	-6.526	4.531	1.513
1001	-6.526	2.719	1.513
1002	-6.526	4.984	1.513
1003	-6.526	2.266	1.513
1004	-6.526	5.438	1.513
1005	-6.526	1.813	1.513
1006	-6.526	5.891	1.513
1007	-6.526	1.359	1.513
1008	-6.526	6.344	1.513
1009	-6.526	6.797	1.513
1010	-6.526	7.250	1.513
1011	-6.526	7.703	1.513
1012	-6.526	8.156	1.513
1013	-6.526	8.609	1.513
1014	-6.526	9.063	1.513
1015	-6.526	9.516	1.513
1016	-6.526	9.969	1.513
1017	-6.526	10.422	1.513
1018	-6.526	10.875	1.513
1019	-6.526	11.328	1.513
1020	-6.526	11.781	1.513
1021	-6.526	12.234	1.513
1022	-6.526	12.688	1.513
1023	-6.526	13.141	1.513
1024	-6.526	13.594	1.513
1025	-6.526	14.047	1.513
1026	-6.526	14.500	1.513
1027	-6.526	0.000	1.838
1028	-6.526	0.453	1.838
1029	-6.526	0.906	1.838
1030	-6.526	1.359	1.838
1031	-6.526	1.813	1.838
1032	-6.526	2.266	1.838
1033	-6.526	2.719	1.838
1034	-6.526	3.172	1.838
1035	-6.526	3.625	1.838
1036	-6.526	4.078	1.838
1037	-6.526	4.531	1.838
1038	-6.526	4.984	1.838
1039	-6.526	5.438	1.838
1040	-6.526	5.891	1.838
1041	-6.526	6.344	1.838
1042	-6.526	6.797	1.838

1043	-6.526	7.250	1.838
1044	-6.526	7.703	1.838
1045	-6.526	8.156	1.838
1046	-6.526	8.609	1.838
1047	-6.526	9.063	1.838
1048	-6.526	9.516	1.838
1049	-6.526	9.969	1.838
1050	-6.526	10.422	1.838
1051	-6.526	10.875	1.838
1052	-6.526	11.328	1.838
1053	-6.526	11.781	1.838
1054	-6.526	12.234	1.838
1055	-6.526	12.688	1.838
1056	-6.526	13.141	1.838
1057	-6.526	13.594	1.838
1058	-6.526	14.047	1.838
1059	-6.526	14.500	1.838
1060	-5.776	1.813	0.388
1061	-5.776	2.266	0.388
1062	-5.776	2.719	0.388
1063	-5.776	3.172	0.388
1064	-5.776	3.625	0.388
1065	-5.776	4.078	0.388
1066	-5.776	4.531	0.388
1067	-5.776	4.984	0.388
1068	-5.776	5.438	0.388
1069	-5.776	9.063	0.388
1070	-5.776	9.516	0.388
1071	-5.776	9.969	0.388
1072	-5.776	10.422	0.388
1073	-5.776	10.875	0.388
1074	-5.776	11.328	0.388
1075	-5.776	11.781	0.388
1076	-5.776	12.234	0.388
1077	-5.776	12.688	0.388
1078	-6.338	0.000	1.838
1079	-6.338	0.453	1.838
1080	-6.338	0.906	1.838
1081	-6.338	1.359	1.838
1082	-6.338	1.813	1.838
1083	-6.338	2.266	1.838
1084	-6.338	2.719	1.838
1085	-6.338	3.172	1.838
1086	-6.338	3.625	1.838
1087	-6.338	4.078	1.838
1088	-6.338	4.531	1.838
1089	-6.338	4.984	1.838
1090	-6.338	5.438	1.838
1091	-6.338	5.891	1.838
1092	-6.338	6.344	1.838
1093	-6.338	6.797	1.838
1094	-6.338	7.250	1.838
1095	-6.338	7.703	1.838
1096	-6.338	8.156	1.838
1097	-6.338	8.609	1.838
1098	-6.338	9.063	1.838
1099	-6.338	9.516	1.838
1100	-6.338	9.969	1.838
1101	-6.338	10.422	1.838
1102	-6.338	10.875	1.838
1103	-6.338	11.328	1.838
1104	-6.338	11.781	1.838

1105	-6.338	12.234	1.838
1106	-6.338	12.688	1.838
1107	-6.338	13.141	1.838
1108	-6.338	13.594	1.838
1109	-6.338	14.047	1.838
1110	-6.338	14.500	1.838
1111	-5.776	1.359	0.388
1112	-5.776	1.813	0.751
1113	-5.776	2.266	0.751
1114	-5.776	1.359	0.751
1115	-5.776	2.719	0.751
1116	-5.776	3.172	0.751
1117	-5.776	3.625	0.751
1118	-5.776	4.078	0.751
1119	-5.776	4.531	0.751
1120	-5.776	4.984	0.751
1121	-5.776	5.438	0.751
1122	-5.776	5.891	0.388
1123	-5.776	5.891	0.751
1124	-5.776	8.609	0.388
1125	-5.776	9.063	0.751
1126	-5.776	9.516	0.751
1127	-5.776	8.609	0.751
1128	-5.776	9.969	0.751
1129	-5.776	10.422	0.751
1130	-5.776	10.875	0.751
1131	-5.776	11.328	0.751
1132	-5.776	11.781	0.751
1133	-5.776	12.234	0.751
1134	-5.776	12.688	0.751
1135	-5.776	13.141	0.388
1136	-5.776	13.141	0.751
1137	-6.151	0.000	1.838
1138	-6.151	0.453	1.838
1139	-6.151	0.906	1.838
1140	-6.151	1.359	1.838
1141	-6.151	1.813	1.838
1142	-6.151	2.266	1.838
1143	-6.151	2.719	1.838
1144	-6.151	3.172	1.838
1145	-6.151	3.625	1.838
1146	-6.151	4.078	1.838
1147	-6.151	4.531	1.838
1148	-6.151	4.984	1.838
1149	-6.151	5.438	1.838
1150	-6.151	5.891	1.838
1151	-6.151	6.344	1.838
1152	-6.151	6.797	1.838
1153	-6.151	7.250	1.838
1154	-6.151	7.703	1.838
1155	-6.151	8.156	1.838
1156	-6.151	8.609	1.838
1157	-6.151	9.063	1.838
1158	-6.151	9.516	1.838
1159	-6.151	9.969	1.838
1160	-6.151	10.422	1.838
1161	-6.151	10.875	1.838
1162	-6.151	11.328	1.838
1163	-6.151	11.781	1.838
1164	-6.151	12.234	1.838
1165	-6.151	12.688	1.838
1166	-6.151	13.141	1.838

1167	-6.151	13.594	1.838
1168	-6.151	14.047	1.838
1169	-6.151	14.500	1.838
1170	-5.776	0.906	0.388
1171	-5.776	0.906	0.751
1172	-5.776	1.813	1.113
1173	-5.776	2.266	1.113
1174	-5.776	1.359	1.113
1175	-5.776	2.719	1.113
1176	-5.776	0.906	1.113
1177	-5.776	3.172	1.113
1178	-5.776	3.625	1.113
1179	-5.776	4.078	1.113
1180	-5.776	4.531	1.113
1181	-5.776	4.984	1.113
1182	-5.776	5.438	1.113
1183	-5.776	5.891	1.113
1184	-5.776	6.344	0.388
1185	-5.776	6.344	0.751
1186	-5.776	6.344	1.113
1187	-5.776	8.156	0.388
1188	-5.776	8.156	0.751
1189	-5.776	9.063	1.113
1190	-5.776	9.516	1.113
1191	-5.776	8.609	1.113
1192	-5.776	9.969	1.113
1193	-5.776	8.156	1.113
1194	-5.776	10.422	1.113
1195	-5.776	10.875	1.113
1196	-5.776	11.328	1.113
1197	-5.776	11.781	1.113
1198	-5.776	12.234	1.113
1199	-5.776	12.688	1.113
1200	-5.776	13.141	1.113
1201	-5.776	13.594	0.388
1202	-5.776	13.594	0.751
1203	-5.776	13.594	1.113
1204	-5.963	0.000	1.838
1205	-5.963	0.453	1.838
1206	-5.963	0.906	1.838
1207	-5.963	1.359	1.838
1208	-5.963	1.813	1.838
1209	-5.963	2.266	1.838
1210	-5.963	2.719	1.838
1211	-5.963	3.172	1.838
1212	-5.963	3.625	1.838
1213	-5.963	4.078	1.838
1214	-5.963	4.531	1.838
1215	-5.963	4.984	1.838
1216	-5.963	5.438	1.838
1217	-5.963	5.891	1.838
1218	-5.963	6.344	1.838
1219	-5.963	6.797	1.838
1220	-5.963	7.250	1.838
1221	-5.963	7.703	1.838
1222	-5.963	8.156	1.838
1223	-5.963	8.609	1.838
1224	-5.963	9.063	1.838
1225	-5.963	9.516	1.838
1226	-5.963	9.969	1.838
1227	-5.963	10.422	1.838
1228	-5.963	10.875	1.838

1229	-5.963	11.328	1.838
1230	-5.963	11.781	1.838
1231	-5.963	12.234	1.838
1232	-5.963	12.688	1.838
1233	-5.963	13.141	1.838
1234	-5.963	13.594	1.838
1235	-5.963	14.047	1.838
1236	-5.963	14.500	1.838
1237	-5.776	0.453	0.388
1238	-5.776	0.453	0.751
1239	-5.776	0.453	1.113
1240	-5.776	1.813	1.476
1241	-5.776	2.266	1.476
1242	-5.776	1.359	1.476
1243	-5.776	2.719	1.476
1244	-5.776	0.906	1.476
1245	-5.776	3.172	1.476
1246	-5.776	0.453	1.476
1247	-5.776	3.625	1.476
1248	-5.776	4.078	1.476
1249	-5.776	4.531	1.476
1250	-5.776	4.984	1.476
1251	-5.776	5.438	1.476
1252	-5.776	5.891	1.476
1253	-5.776	6.344	1.476
1254	-5.776	6.797	0.388
1255	-5.776	6.797	0.751
1256	-5.776	6.797	1.113
1257	-5.776	6.797	1.476
1258	-5.776	7.703	0.388
1259	-5.776	7.703	0.751
1260	-5.776	7.703	1.113
1261	-5.776	9.063	1.476
1262	-5.776	9.516	1.476
1263	-5.776	8.609	1.476
1264	-5.776	9.969	1.476
1265	-5.776	8.156	1.476
1266	-5.776	10.422	1.476
1267	-5.776	7.703	1.476
1268	-5.776	10.875	1.476
1269	-5.776	11.328	1.476
1270	-5.776	11.781	1.476
1271	-5.776	12.234	1.476
1272	-5.776	12.688	1.476
1273	-5.776	13.141	1.476
1274	-5.776	13.594	1.476
1275	-5.776	14.047	0.388
1276	-5.776	14.047	0.751
1277	-5.776	14.047	1.113
1278	-5.776	14.047	1.476
1279	-5.776	0.000	1.838
1280	-5.776	0.453	1.838
1281	-5.776	0.906	1.838
1282	-5.776	1.359	1.838
1283	-5.776	1.813	1.838
1284	-5.776	2.266	1.838
1285	-5.776	2.719	1.838
1286	-5.776	3.172	1.838
1287	-5.776	3.625	1.838
1288	-5.776	4.078	1.838
1289	-5.776	4.531	1.838
1290	-5.776	4.984	1.838

1291	-5.776	5.438	1.838
1292	-5.776	5.891	1.838
1293	-5.776	6.344	1.838
1294	-5.776	6.797	1.838
1295	-5.776	7.250	1.838
1296	-5.776	7.703	1.838
1297	-5.776	8.156	1.838
1298	-5.776	8.609	1.838
1299	-5.776	9.063	1.838
1300	-5.776	9.516	1.838
1301	-5.776	9.969	1.838
1302	-5.776	10.422	1.838
1303	-5.776	10.875	1.838
1304	-5.776	11.328	1.838
1305	-5.776	11.781	1.838
1306	-5.776	12.234	1.838
1307	-5.776	12.688	1.838
1308	-5.776	13.141	1.838
1309	-5.776	13.594	1.838
1310	-5.776	14.047	1.838
1311	-5.776	14.500	1.838
1312	-5.776	0.000	0.388
1313	-5.776	0.000	0.751
1314	-5.776	0.000	1.113
1315	-5.776	0.000	1.476
1316	-5.776	7.250	0.388
1317	-5.776	7.250	0.751
1318	-5.776	7.250	1.113
1319	-5.776	7.250	1.476
1320	-5.776	14.500	0.388
1321	-5.776	14.500	0.751
1322	-5.776	14.500	1.113
1323	-5.776	14.500	1.476
1324	-4.332	9.063	0.388
1325	-4.332	9.516	0.388
1326	-4.332	9.969	0.388
1327	-4.332	10.422	0.388
1328	-4.332	10.875	0.388
1329	-4.332	11.328	0.388
1330	-4.332	11.781	0.388
1331	-4.332	12.234	0.388
1332	-4.332	12.688	0.388
1333	-5.415	0.000	1.476
1334	-5.415	0.000	1.838
1335	-5.415	0.453	1.838
1336	-5.415	0.906	1.838
1337	-5.415	1.359	1.838
1338	-5.415	1.813	1.838
1339	-5.415	2.266	1.838
1340	-5.415	2.719	1.838
1341	-5.415	3.172	1.838
1342	-5.415	3.625	1.838
1343	-5.415	4.078	1.838
1344	-5.415	4.531	1.838
1345	-5.415	4.984	1.838
1346	-5.415	5.438	1.838
1347	-5.415	5.891	1.838
1348	-5.415	6.344	1.838
1349	-5.415	6.797	1.838
1350	-5.415	7.250	1.838
1351	-5.415	7.250	1.476
1352	-5.415	7.703	1.838

1353	-5.415	8.156	1.838
1354	-5.415	8.609	1.838
1355	-5.415	9.063	1.838
1356	-5.415	9.516	1.838
1357	-5.415	9.969	1.838
1358	-5.415	10.422	1.838
1359	-5.415	10.875	1.838
1360	-5.415	11.328	1.838
1361	-5.415	11.781	1.838
1362	-5.415	12.234	1.838
1363	-5.415	12.688	1.838
1364	-5.415	13.141	1.838
1365	-5.415	13.594	1.838
1366	-5.415	14.047	1.838
1367	-5.415	14.500	1.838
1368	-5.415	14.500	1.476
1369	-5.415	0.000	0.388
1370	-5.415	0.000	0.751
1371	-5.415	0.000	1.113
1372	-5.415	7.250	0.388
1373	-5.415	7.250	0.751
1374	-5.415	7.250	1.113
1375	-5.415	14.500	0.388
1376	-5.415	14.500	0.751
1377	-5.415	14.500	1.113
1378	-4.332	8.609	0.388
1379	-4.332	9.063	0.751
1380	-4.332	9.516	0.751
1381	-4.332	8.609	0.751
1382	-4.332	9.969	0.751
1383	-4.332	10.422	0.751
1384	-4.332	10.875	0.751
1385	-4.332	11.328	0.751
1386	-4.332	11.781	0.751
1387	-4.332	12.234	0.751
1388	-4.332	12.688	0.751
1389	-4.332	13.141	0.388
1390	-4.332	13.141	0.751
1391	-5.054	0.000	1.113
1392	-5.054	0.000	1.476
1393	-5.054	0.000	1.838
1394	-5.054	0.453	1.838
1395	-5.054	0.906	1.838
1396	-5.054	1.359	1.838
1397	-5.054	1.813	1.838
1398	-5.054	2.266	1.838
1399	-5.054	2.719	1.838
1400	-5.054	3.172	1.838
1401	-5.054	3.625	1.838
1402	-5.054	4.078	1.838
1403	-5.054	4.531	1.838
1404	-5.054	4.984	1.838
1405	-5.054	5.438	1.838
1406	-5.054	5.891	1.838
1407	-5.054	6.344	1.838
1408	-5.054	6.797	1.838
1409	-5.054	7.250	1.838
1410	-5.054	7.250	1.476
1411	-5.054	7.703	1.838
1412	-5.054	7.250	1.113
1413	-5.054	8.156	1.838
1414	-5.054	8.609	1.838

1415	-5.054	9.063	1.838
1416	-5.054	9.516	1.838
1417	-5.054	9.969	1.838
1418	-5.054	10.422	1.838
1419	-5.054	10.875	1.838
1420	-5.054	11.328	1.838
1421	-5.054	11.781	1.838
1422	-5.054	12.234	1.838
1423	-5.054	12.688	1.838
1424	-5.054	13.141	1.838
1425	-5.054	13.594	1.838
1426	-5.054	14.047	1.838
1427	-5.054	14.500	1.838
1428	-5.054	14.500	1.476
1429	-5.054	14.500	1.113
1430	-5.054	0.000	0.388
1431	-5.054	0.000	0.751
1432	-5.054	7.250	0.388
1433	-5.054	7.250	0.751
1434	-5.054	14.500	0.388
1435	-5.054	14.500	0.751
1436	-4.332	8.156	0.388
1437	-4.332	8.156	0.751
1438	-4.332	9.063	1.113
1439	-4.332	9.516	1.113
1440	-4.332	8.609	1.113
1441	-4.332	9.969	1.113
1442	-4.332	8.156	1.113
1443	-4.332	10.422	1.113
1444	-4.332	10.875	1.113
1445	-4.332	11.328	1.113
1446	-4.332	11.781	1.113
1447	-4.332	12.234	1.113
1448	-4.332	12.688	1.113
1449	-4.332	13.141	1.113
1450	-4.332	13.594	0.388
1451	-4.332	13.594	0.751
1452	-4.332	13.594	1.113
1453	-4.693	0.000	0.751
1454	-4.693	0.000	1.113
1455	-4.693	0.000	1.476
1456	-4.693	0.000	1.838
1457	-4.693	0.453	1.838
1458	-4.693	0.906	1.838
1459	-4.693	1.359	1.838
1460	-4.693	1.813	1.838
1461	-4.693	2.266	1.838
1462	-4.693	2.719	1.838
1463	-4.693	3.172	1.838
1464	-4.693	3.625	1.838
1465	-4.693	4.078	1.838
1466	-4.693	4.531	1.838
1467	-4.693	4.984	1.838
1468	-4.693	5.438	1.838
1469	-4.693	5.891	1.838
1470	-4.693	6.344	1.838
1471	-4.693	6.797	1.838
1472	-4.693	7.250	1.838
1473	-4.693	7.250	1.476
1474	-4.693	7.703	1.838
1475	-4.693	7.250	1.113
1476	-4.693	8.156	1.838

1477	-4.693	7.250	0.751
1478	-4.693	8.609	1.838
1479	-4.693	9.063	1.838
1480	-4.693	9.516	1.838
1481	-4.693	9.969	1.838
1482	-4.693	10.422	1.838
1483	-4.693	10.875	1.838
1484	-4.693	11.328	1.838
1485	-4.693	11.781	1.838
1486	-4.693	12.234	1.838
1487	-4.693	12.688	1.838
1488	-4.693	13.141	1.838
1489	-4.693	13.594	1.838
1490	-4.693	14.047	1.838
1491	-4.693	14.500	1.838
1492	-4.693	14.500	1.476
1493	-4.693	14.500	1.113
1494	-4.693	14.500	0.751
1495	-4.693	0.000	0.388
1496	-4.693	7.250	0.388
1497	-4.693	14.500	0.388
1498	-4.332	7.703	0.388
1499	-4.332	7.703	0.751
1500	-4.332	7.703	1.113
1501	-4.332	9.063	1.476
1502	-4.332	9.516	1.476
1503	-4.332	8.609	1.476
1504	-4.332	9.969	1.476
1505	-4.332	8.156	1.476
1506	-4.332	10.422	1.476
1507	-4.332	7.703	1.476
1508	-4.332	10.875	1.476
1509	-4.332	11.328	1.476
1510	-4.332	11.781	1.476
1511	-4.332	12.234	1.476
1512	-4.332	12.688	1.476
1513	-4.332	13.141	1.476
1514	-4.332	13.594	1.476
1515	-4.332	14.047	0.388
1516	-4.332	14.047	0.751
1517	-4.332	14.047	1.113
1518	-4.332	14.047	1.476
1519	-4.332	0.000	0.388
1520	-4.332	0.000	0.751
1521	-4.332	0.000	1.113
1522	-4.332	0.000	1.476
1523	-4.332	0.000	1.838
1524	-4.332	0.453	1.838
1525	-4.332	0.906	1.838
1526	-4.332	1.359	1.838
1527	-4.332	1.813	1.838
1528	-4.332	2.266	1.838
1529	-4.332	2.719	1.838
1530	-4.332	3.172	1.838
1531	-4.332	3.625	1.838
1532	-4.332	4.078	1.838
1533	-4.332	4.531	1.838
1534	-4.332	4.984	1.838
1535	-4.332	5.438	1.838
1536	-4.332	5.891	1.838
1537	-4.332	6.344	1.838
1538	-4.332	6.797	1.838

1539	-4.332	7.250	1.838
1540	-4.332	7.703	1.838
1541	-4.332	7.250	1.476
1542	-4.332	7.250	1.113
1543	-4.332	8.156	1.838
1544	-4.332	7.250	0.751
1545	-4.332	8.609	1.838
1546	-4.332	7.250	0.388
1547	-4.332	9.063	1.838
1548	-4.332	9.516	1.838
1549	-4.332	9.969	1.838
1550	-4.332	10.422	1.838
1551	-4.332	10.875	1.838
1552	-4.332	11.328	1.838
1553	-4.332	11.781	1.838
1554	-4.332	12.234	1.838
1555	-4.332	12.688	1.838
1556	-4.332	13.141	1.838
1557	-4.332	13.594	1.838
1558	-4.332	14.047	1.838
1559	-4.332	14.500	1.838
1560	-4.332	14.500	1.476
1561	-4.332	14.500	1.113
1562	-4.332	14.500	0.751
1563	-4.332	14.500	0.388
1564	-2.888	9.063	0.388
1565	-2.888	9.516	0.388
1566	-2.888	9.969	0.388
1567	-2.888	10.422	0.388
1568	-2.888	10.875	0.388
1569	-2.888	11.328	0.388
1570	-2.888	11.781	0.388
1571	-2.888	12.234	0.388
1572	-2.888	12.688	0.388
1573	-3.971	0.000	0.388
1574	-4.332	0.453	0.388
1575	-3.971	0.000	0.751
1576	-4.332	0.453	0.751
1577	-3.971	0.000	1.113
1578	-4.332	0.453	1.113
1579	-3.971	0.000	1.476
1580	-4.332	0.453	1.476
1581	-3.971	0.000	1.838
1582	-3.971	0.453	1.838
1583	-4.332	0.906	1.476
1584	-3.971	0.906	1.838
1585	-4.332	1.359	1.476
1586	-3.971	1.359	1.838
1587	-4.332	1.813	1.476
1588	-3.971	1.813	1.838
1589	-4.332	2.266	1.476
1590	-3.971	2.266	1.838
1591	-4.332	2.719	1.476
1592	-3.971	2.719	1.838
1593	-4.332	3.172	1.476
1594	-3.971	3.172	1.838
1595	-4.332	3.625	1.476
1596	-3.971	3.625	1.838
1597	-4.332	4.078	1.476
1598	-3.971	4.078	1.838
1599	-4.332	4.531	1.476
1600	-3.971	4.531	1.838

1601	-4.332	4.984	1.476
1602	-3.971	4.984	1.838
1603	-4.332	5.438	1.476
1604	-3.971	5.438	1.838
1605	-4.332	5.891	1.476
1606	-3.971	5.891	1.838
1607	-4.332	6.344	1.476
1608	-3.971	6.344	1.838
1609	-4.332	6.797	1.476
1610	-3.971	6.797	1.838
1611	-3.971	7.250	1.838
1612	-3.971	7.250	1.476
1613	-3.971	7.703	1.838
1614	-3.971	8.156	1.838
1615	-3.971	7.250	1.113
1616	-4.332	6.797	1.113
1617	-3.971	7.250	0.751
1618	-4.332	6.797	0.751
1619	-3.971	8.609	1.838
1620	-3.971	7.250	0.388
1621	-4.332	6.797	0.388
1622	-3.971	9.063	1.838
1623	-3.971	9.516	1.838
1624	-3.971	9.969	1.838
1625	-3.971	10.422	1.838
1626	-3.971	10.875	1.838
1627	-3.971	11.328	1.838
1628	-3.971	11.781	1.838
1629	-3.971	12.234	1.838
1630	-3.971	12.688	1.838
1631	-3.971	13.141	1.838
1632	-3.971	13.594	1.838
1633	-3.971	14.047	1.838
1634	-3.971	14.500	1.838
1635	-3.971	14.500	1.476
1636	-3.971	14.500	1.113
1637	-3.971	14.500	0.751
1638	-3.971	14.500	0.388
1639	-2.888	8.609	0.388
1640	-2.888	9.063	0.751
1641	-2.888	9.516	0.751
1642	-2.888	8.609	0.751
1643	-2.888	9.969	0.751
1644	-2.888	10.422	0.751
1645	-2.888	10.875	0.751
1646	-2.888	11.328	0.751
1647	-2.888	11.781	0.751
1648	-2.888	12.234	0.751
1649	-2.888	12.688	0.751
1650	-2.888	13.141	0.388
1651	-2.888	13.141	0.751
1652	-3.610	0.000	0.388
1653	-3.610	0.000	0.751
1654	-4.332	0.906	0.388
1655	-4.332	0.906	0.751
1656	-3.610	0.000	1.113
1657	-4.332	0.906	1.113
1658	-3.610	0.000	1.476
1659	-3.610	0.000	1.838
1660	-3.610	0.453	1.838
1661	-3.610	0.906	1.838
1662	-4.332	1.359	1.113

1663	-3.610	1.359	1.838
1664	-4.332	1.813	1.113
1665	-3.610	1.813	1.838
1666	-4.332	2.266	1.113
1667	-3.610	2.266	1.838
1668	-4.332	2.719	1.113
1669	-3.610	2.719	1.838
1670	-4.332	3.172	1.113
1671	-3.610	3.172	1.838
1672	-4.332	3.625	1.113
1673	-3.610	3.625	1.838
1674	-4.332	4.078	1.113
1675	-3.610	4.078	1.838
1676	-4.332	4.531	1.113
1677	-3.610	4.531	1.838
1678	-4.332	4.984	1.113
1679	-3.610	4.984	1.838
1680	-4.332	5.438	1.113
1681	-3.610	5.438	1.838
1682	-4.332	5.891	1.113
1683	-3.610	5.891	1.838
1684	-4.332	6.344	1.113
1685	-3.610	6.344	1.838
1686	-3.610	6.797	1.838
1687	-3.610	7.250	1.838
1688	-3.610	7.250	1.476
1689	-3.610	7.703	1.838
1690	-3.610	7.250	1.113
1691	-3.610	8.156	1.838
1692	-3.610	8.609	1.838
1693	-3.610	7.250	0.751
1694	-4.332	6.344	0.751
1695	-3.610	7.250	0.388
1696	-4.332	6.344	0.388
1697	-3.610	9.063	1.838
1698	-3.610	9.516	1.838
1699	-3.610	9.969	1.838
1700	-3.610	10.422	1.838
1701	-3.610	10.875	1.838
1702	-3.610	11.328	1.838
1703	-3.610	11.781	1.838
1704	-3.610	12.234	1.838
1705	-3.610	12.688	1.838
1706	-3.610	13.141	1.838
1707	-3.610	13.594	1.838
1708	-3.610	14.047	1.838
1709	-3.610	14.500	1.838
1710	-3.610	14.500	1.476
1711	-3.610	14.500	1.113
1712	-3.610	14.500	0.751
1713	-3.610	14.500	0.388
1714	-2.888	8.156	0.388
1715	-2.888	8.156	0.751
1716	-2.888	9.063	1.113
1717	-2.888	9.516	1.113
1718	-2.888	8.609	1.113
1719	-2.888	9.969	1.113
1720	-2.888	8.156	1.113
1721	-2.888	10.422	1.113
1722	-2.888	10.875	1.113
1723	-2.888	11.328	1.113
1724	-2.888	11.781	1.113

1725	-2.888	12.234	1.113
1726	-2.888	12.688	1.113
1727	-2.888	13.141	1.113
1728	-2.888	13.594	0.388
1729	-2.888	13.594	0.751
1730	-2.888	13.594	1.113
1731	-3.249	0.000	0.388
1732	-3.249	0.000	0.751
1733	-3.249	0.000	1.113
1734	-4.332	1.359	0.388
1735	-4.332	1.359	0.751
1736	-3.249	0.000	1.476
1737	-3.249	0.000	1.838
1738	-3.249	0.453	1.838
1739	-3.249	0.906	1.838
1740	-3.249	1.359	1.838
1741	-4.332	1.813	0.751
1742	-3.249	1.813	1.838
1743	-4.332	2.266	0.751
1744	-3.249	2.266	1.838
1745	-4.332	2.719	0.751
1746	-3.249	2.719	1.838
1747	-4.332	3.172	0.751
1748	-3.249	3.172	1.838
1749	-4.332	3.625	0.751
1750	-3.249	3.625	1.838
1751	-4.332	4.078	0.751
1752	-3.249	4.078	1.838
1753	-4.332	4.531	0.751
1754	-3.249	4.531	1.838
1755	-4.332	4.984	0.751
1756	-3.249	4.984	1.838
1757	-4.332	5.438	0.751
1758	-3.249	5.438	1.838
1759	-4.332	5.891	0.751
1760	-3.249	5.891	1.838
1761	-3.249	6.344	1.838
1762	-3.249	6.797	1.838
1763	-3.249	7.250	1.838
1764	-3.249	7.250	1.476
1765	-3.249	7.703	1.838
1766	-3.249	7.250	1.113
1767	-3.249	8.156	1.838
1768	-3.249	7.250	0.751
1769	-3.249	8.609	1.838
1770	-3.249	9.063	1.838
1771	-3.249	7.250	0.388
1772	-4.332	5.891	0.388
1773	-3.249	9.516	1.838
1774	-3.249	9.969	1.838
1775	-3.249	10.422	1.838
1776	-3.249	10.875	1.838
1777	-3.249	11.328	1.838
1778	-3.249	11.781	1.838
1779	-3.249	12.234	1.838
1780	-3.249	12.688	1.838
1781	-3.249	13.141	1.838
1782	-3.249	13.594	1.838
1783	-3.249	14.047	1.838
1784	-3.249	14.500	1.838
1785	-3.249	14.500	1.476
1786	-3.249	14.500	1.113

1787	-3.249	14.500	0.751
1788	-3.249	14.500	0.388
1789	-2.888	7.703	0.388
1790	-2.888	7.703	0.751
1791	-2.888	7.703	1.113
1792	-2.888	9.063	1.476
1793	-2.888	9.516	1.476
1794	-2.888	8.609	1.476
1795	-2.888	9.969	1.476
1796	-2.888	8.156	1.476
1797	-2.888	10.422	1.476
1798	-2.888	7.703	1.476
1799	-2.888	10.875	1.476
1800	-2.888	11.328	1.476
1801	-2.888	11.781	1.476
1802	-2.888	12.234	1.476
1803	-2.888	12.688	1.476
1804	-2.888	13.141	1.476
1805	-2.888	13.594	1.476
1806	-2.888	14.047	0.388
1807	-2.888	14.047	0.751
1808	-2.888	14.047	1.113
1809	-2.888	14.047	1.476
1810	-2.888	0.000	0.388
1811	-2.888	0.000	0.751
1812	-2.888	0.000	1.113
1813	-2.888	0.000	1.476
1814	-4.332	1.813	0.388
1815	-2.888	0.000	1.838
1816	-2.888	0.453	1.838
1817	-2.888	0.906	1.838
1818	-2.888	1.359	1.838
1819	-2.888	1.813	1.838
1820	-4.332	2.266	0.388
1821	-2.888	2.266	1.838
1822	-4.332	2.719	0.388
1823	-2.888	2.719	1.838
1824	-4.332	3.172	0.388
1825	-2.888	3.172	1.838
1826	-4.332	3.625	0.388
1827	-2.888	3.625	1.838
1828	-4.332	4.078	0.388
1829	-2.888	4.078	1.838
1830	-4.332	4.531	0.388
1831	-2.888	4.531	1.838
1832	-4.332	4.984	0.388
1833	-2.888	4.984	1.838
1834	-4.332	5.438	0.388
1835	-2.888	5.438	1.838
1836	-2.888	5.891	1.838
1837	-2.888	6.344	1.838
1838	-2.888	6.797	1.838
1839	-2.888	7.250	1.838
1840	-2.888	7.703	1.838
1841	-2.888	7.250	1.476
1842	-2.888	7.250	1.113
1843	-2.888	8.156	1.838
1844	-2.888	7.250	0.751
1845	-2.888	8.609	1.838
1846	-2.888	7.250	0.388
1847	-2.888	9.063	1.838
1848	-2.888	9.516	1.838

1849	-2.888	9.969	1.838
1850	-2.888	10.422	1.838
1851	-2.888	10.875	1.838
1852	-2.888	11.328	1.838
1853	-2.888	11.781	1.838
1854	-2.888	12.234	1.838
1855	-2.888	12.688	1.838
1856	-2.888	13.141	1.838
1857	-2.888	13.594	1.838
1858	-2.888	14.047	1.838
1859	-2.888	14.500	1.838
1860	-2.888	14.500	1.476
1861	-2.888	14.500	1.113
1862	-2.888	14.500	0.751
1863	-2.888	14.500	0.388
1864	-1.444	9.063	0.388
1865	-1.444	9.516	0.388
1866	-1.444	9.969	0.388
1867	-1.444	10.422	0.388
1868	-1.444	10.875	0.388
1869	-1.444	11.328	0.388
1870	-1.444	11.781	0.388
1871	-1.444	12.234	0.388
1872	-1.444	12.688	0.388
1873	-2.527	0.000	0.388
1874	-2.888	0.453	0.388
1875	-2.527	0.000	0.751
1876	-2.888	0.453	0.751
1877	-2.527	0.000	1.113
1878	-2.888	0.453	1.113
1879	-2.527	0.000	1.476
1880	-2.888	0.453	1.476
1881	-2.527	0.000	1.838
1882	-2.527	0.453	1.838
1883	-2.888	0.906	1.476
1884	-2.527	0.906	1.838
1885	-2.888	1.359	1.476
1886	-2.527	1.359	1.838
1887	-2.888	1.813	1.476
1888	-2.527	1.813	1.838
1889	-2.888	2.266	1.476
1890	-2.527	2.266	1.838
1891	-2.888	2.719	1.476
1892	-2.527	2.719	1.838
1893	-2.888	3.172	1.476
1894	-2.527	3.172	1.838
1895	-2.888	3.625	1.476
1896	-2.527	3.625	1.838
1897	-2.888	4.078	1.476
1898	-2.527	4.078	1.838
1899	-2.888	4.531	1.476
1900	-2.527	4.531	1.838
1901	-2.888	4.984	1.476
1902	-2.527	4.984	1.838
1903	-2.888	5.438	1.476
1904	-2.527	5.438	1.838
1905	-2.888	5.891	1.476
1906	-2.527	5.891	1.838
1907	-2.888	6.344	1.476
1908	-2.527	6.344	1.838
1909	-2.888	6.797	1.476
1910	-2.527	6.797	1.838

1911	-2.527	7.250	1.838
1912	-2.527	7.250	1.476
1913	-2.527	7.703	1.838
1914	-2.527	8.156	1.838
1915	-2.527	7.250	1.113
1916	-2.888	6.797	1.113
1917	-2.527	7.250	0.751
1918	-2.888	6.797	0.751
1919	-2.527	8.609	1.838
1920	-2.527	7.250	0.388
1921	-2.888	6.797	0.388
1922	-2.527	9.063	1.838
1923	-2.527	9.516	1.838
1924	-2.527	9.969	1.838
1925	-2.527	10.422	1.838
1926	-2.527	10.875	1.838
1927	-2.527	11.328	1.838
1928	-2.527	11.781	1.838
1929	-2.527	12.234	1.838
1930	-2.527	12.688	1.838
1931	-2.527	13.141	1.838
1932	-2.527	13.594	1.838
1933	-2.527	14.047	1.838
1934	-2.527	14.500	1.838
1935	-2.527	14.500	1.476
1936	-2.527	14.500	1.113
1937	-2.527	14.500	0.751
1938	-2.527	14.500	0.388
1939	-1.444	8.609	0.388
1940	-1.444	9.063	0.751
1941	-1.444	9.516	0.751
1942	-1.444	8.609	0.751
1943	-1.444	9.969	0.751
1944	-1.444	10.422	0.751
1945	-1.444	10.875	0.751
1946	-1.444	11.328	0.751
1947	-1.444	11.781	0.751
1948	-1.444	12.234	0.751
1949	-1.444	12.688	0.751
1950	-1.444	13.141	0.388
1951	-1.444	13.141	0.751
1952	-2.166	0.000	0.388
1953	-2.166	0.000	0.751
1954	-2.888	0.906	0.388
1955	-2.888	0.906	0.751
1956	-2.166	0.000	1.113
1957	-2.888	0.906	1.113
1958	-2.166	0.000	1.476
1959	-2.166	0.000	1.838
1960	-2.166	0.453	1.838
1961	-2.166	0.906	1.838
1962	-2.888	1.359	1.113
1963	-2.166	1.359	1.838
1964	-2.888	1.813	1.113
1965	-2.166	1.813	1.838
1966	-2.888	2.266	1.113
1967	-2.166	2.266	1.838
1968	-2.888	2.719	1.113
1969	-2.166	2.719	1.838
1970	-2.888	3.172	1.113
1971	-2.166	3.172	1.838
1972	-2.888	3.625	1.113

1973	-2.166	3.625	1.838
1974	-2.888	4.078	1.113
1975	-2.166	4.078	1.838
1976	-2.888	4.531	1.113
1977	-2.166	4.531	1.838
1978	-2.888	4.984	1.113
1979	-2.166	4.984	1.838
1980	-2.888	5.438	1.113
1981	-2.166	5.438	1.838
1982	-2.888	5.891	1.113
1983	-2.166	5.891	1.838
1984	-2.888	6.344	1.113
1985	-2.166	6.344	1.838
1986	-2.166	6.797	1.838
1987	-2.166	7.250	1.838
1988	-2.166	7.250	1.476
1989	-2.166	7.703	1.838
1990	-2.166	7.250	1.113
1991	-2.166	8.156	1.838
1992	-2.166	8.609	1.838
1993	-2.166	7.250	0.751
1994	-2.888	6.344	0.751
1995	-2.166	7.250	0.388
1996	-2.888	6.344	0.388
1997	-2.166	9.063	1.838
1998	-2.166	9.516	1.838
1999	-2.166	9.969	1.838
2000	-2.166	10.422	1.838
2001	-2.166	10.875	1.838
2002	-2.166	11.328	1.838
2003	-2.166	11.781	1.838
2004	-2.166	12.234	1.838
2005	-2.166	12.688	1.838
2006	-2.166	13.141	1.838
2007	-2.166	13.594	1.838
2008	-2.166	14.047	1.838
2009	-2.166	14.500	1.838
2010	-2.166	14.500	1.476
2011	-2.166	14.500	1.113
2012	-2.166	14.500	0.751
2013	-2.166	14.500	0.388
2014	-1.444	8.156	0.388
2015	-1.444	8.156	0.751
2016	-1.444	9.063	1.113
2017	-1.444	9.516	1.113
2018	-1.444	8.609	1.113
2019	-1.444	9.969	1.113
2020	-1.444	8.156	1.113
2021	-1.444	10.422	1.113
2022	-1.444	10.875	1.113
2023	-1.444	11.328	1.113
2024	-1.444	11.781	1.113
2025	-1.444	12.234	1.113
2026	-1.444	12.688	1.113
2027	-1.444	13.141	1.113
2028	-1.444	13.594	0.388
2029	-1.444	13.594	0.751
2030	-1.444	13.594	1.113
2031	-1.805	0.000	0.388
2032	-1.805	0.000	0.751
2033	-1.805	0.000	1.113
2034	-2.888	1.359	0.388

2035	-2.888	1.359	0.751
2036	-1.805	0.000	1.476
2037	-1.805	0.000	1.838
2038	-1.805	0.453	1.838
2039	-1.805	0.906	1.838
2040	-1.805	1.359	1.838
2041	-2.888	1.813	0.751
2042	-1.805	1.813	1.838
2043	-2.888	2.266	0.751
2044	-1.805	2.266	1.838
2045	-2.888	2.719	0.751
2046	-1.805	2.719	1.838
2047	-2.888	3.172	0.751
2048	-1.805	3.172	1.838
2049	-2.888	3.625	0.751
2050	-1.805	3.625	1.838
2051	-2.888	4.078	0.751
2052	-1.805	4.078	1.838
2053	-2.888	4.531	0.751
2054	-1.805	4.531	1.838
2055	-2.888	4.984	0.751
2056	-1.805	4.984	1.838
2057	-2.888	5.438	0.751
2058	-1.805	5.438	1.838
2059	-2.888	5.891	0.751
2060	-1.805	5.891	1.838
2061	-1.805	6.344	1.838
2062	-1.805	6.797	1.838
2063	-1.805	7.250	1.838
2064	-1.805	7.250	1.476
2065	-1.805	7.703	1.838
2066	-1.805	7.250	1.113
2067	-1.805	8.156	1.838
2068	-1.805	7.250	0.751
2069	-1.805	8.609	1.838
2070	-1.805	9.063	1.838
2071	-1.805	7.250	0.388
2072	-2.888	5.891	0.388
2073	-1.805	9.516	1.838
2074	-1.805	9.969	1.838
2075	-1.805	10.422	1.838
2076	-1.805	10.875	1.838
2077	-1.805	11.328	1.838
2078	-1.805	11.781	1.838
2079	-1.805	12.234	1.838
2080	-1.805	12.688	1.838
2081	-1.805	13.141	1.838
2082	-1.805	13.594	1.838
2083	-1.805	14.047	1.838
2084	-1.805	14.500	1.838
2085	-1.805	14.500	1.476
2086	-1.805	14.500	1.113
2087	-1.805	14.500	0.751
2088	-1.805	14.500	0.388
2089	-1.444	7.703	0.388
2090	-1.444	7.703	0.751
2091	-1.444	7.703	1.113
2092	-1.444	9.063	1.476
2093	-1.444	9.516	1.476
2094	-1.444	8.609	1.476
2095	-1.444	9.969	1.476
2096	-1.444	8.156	1.476

2097	-1.444	10.422	1.476
2098	-1.444	7.703	1.476
2099	-1.444	10.875	1.476
2100	-1.444	11.328	1.476
2101	-1.444	11.781	1.476
2102	-1.444	12.234	1.476
2103	-1.444	12.688	1.476
2104	-1.444	13.141	1.476
2105	-1.444	13.594	1.476
2106	-1.444	14.047	0.388
2107	-1.444	14.047	0.751
2108	-1.444	14.047	1.113
2109	-1.444	14.047	1.476
2110	-1.444	0.000	0.388
2111	-1.444	0.000	0.751
2112	-1.444	0.000	1.113
2113	-1.444	0.000	1.476
2114	-2.888	1.813	0.388
2115	-1.444	0.000	1.838
2116	-1.444	0.453	1.838
2117	-1.444	0.906	1.838
2118	-1.444	1.359	1.838
2119	-1.444	1.813	1.838
2120	-2.888	2.266	0.388
2121	-1.444	2.266	1.838
2122	-2.888	2.719	0.388
2123	-1.444	2.719	1.838
2124	-2.888	3.172	0.388
2125	-1.444	3.172	1.838
2126	-2.888	3.625	0.388
2127	-1.444	3.625	1.838
2128	-2.888	4.078	0.388
2129	-1.444	4.078	1.838
2130	-2.888	4.531	0.388
2131	-1.444	4.531	1.838
2132	-2.888	4.984	0.388
2133	-1.444	4.984	1.838
2134	-2.888	5.438	0.388
2135	-1.444	5.438	1.838
2136	-1.444	5.891	1.838
2137	-1.444	6.344	1.838
2138	-1.444	6.797	1.838
2139	-1.444	7.250	1.838
2140	-1.444	7.703	1.838
2141	-1.444	7.250	1.476
2142	-1.444	7.250	1.113
2143	-1.444	8.156	1.838
2144	-1.444	7.250	0.751
2145	-1.444	8.609	1.838
2146	-1.444	7.250	0.388
2147	-1.444	9.063	1.838
2148	-1.444	9.516	1.838
2149	-1.444	9.969	1.838
2150	-1.444	10.422	1.838
2151	-1.444	10.875	1.838
2152	-1.444	11.328	1.838
2153	-1.444	11.781	1.838
2154	-1.444	12.234	1.838
2155	-1.444	12.688	1.838
2156	-1.444	13.141	1.838
2157	-1.444	13.594	1.838
2158	-1.444	14.047	1.838

2159	-1.444	14.500	1.838
2160	-1.444	14.500	1.476
2161	-1.444	14.500	1.113
2162	-1.444	14.500	0.751
2163	-1.444	14.500	0.388
2164	0.000	9.063	0.388
2165	0.000	9.516	0.388
2166	0.000	9.969	0.388
2167	0.000	10.422	0.388
2168	0.000	10.875	0.388
2169	0.000	11.328	0.388
2170	0.000	11.781	0.388
2171	0.000	12.234	0.388
2172	0.000	12.688	0.388
2173	-1.083	0.000	0.388
2174	-1.444	0.453	0.388
2175	-1.083	0.000	0.751
2176	-1.444	0.453	0.751
2177	-1.083	0.000	1.113
2178	-1.444	0.453	1.113
2179	-1.083	0.000	1.476
2180	-1.444	0.453	1.476
2181	-1.083	0.000	1.838
2182	-1.083	0.453	1.838
2183	-1.444	0.906	1.476
2184	-1.083	0.906	1.838
2185	-1.444	1.359	1.476
2186	-1.083	1.359	1.838
2187	-1.444	1.813	1.476
2188	-1.083	1.813	1.838
2189	-1.444	2.266	1.476
2190	-1.083	2.266	1.838
2191	-1.444	2.719	1.476
2192	-1.083	2.719	1.838
2193	-1.444	3.172	1.476
2194	-1.083	3.172	1.838
2195	-1.444	3.625	1.476
2196	-1.083	3.625	1.838
2197	-1.444	4.078	1.476
2198	-1.083	4.078	1.838
2199	-1.444	4.531	1.476
2200	-1.083	4.531	1.838
2201	-1.444	4.984	1.476
2202	-1.083	4.984	1.838
2203	-1.444	5.438	1.476
2204	-1.083	5.438	1.838
2205	-1.444	5.891	1.476
2206	-1.083	5.891	1.838
2207	-1.444	6.344	1.476
2208	-1.083	6.344	1.838
2209	-1.444	6.797	1.476
2210	-1.083	6.797	1.838
2211	-1.083	7.250	1.838
2212	-1.083	7.250	1.476
2213	-1.083	7.703	1.838
2214	-1.083	8.156	1.838
2215	-1.083	7.250	1.113
2216	-1.444	6.797	1.113
2217	-1.083	7.250	0.751
2218	-1.444	6.797	0.751
2219	-1.083	8.609	1.838
2220	-1.083	7.250	0.388

2221	-1.444	6.797	0.388
2222	-1.083	9.063	1.838
2223	-1.083	9.516	1.838
2224	-1.083	9.969	1.838
2225	-1.083	10.422	1.838
2226	-1.083	10.875	1.838
2227	-1.083	11.328	1.838
2228	-1.083	11.781	1.838
2229	-1.083	12.234	1.838
2230	-1.083	12.688	1.838
2231	-1.083	13.141	1.838
2232	-1.083	13.594	1.838
2233	-1.083	14.047	1.838
2234	-1.083	14.500	1.838
2235	-1.083	14.500	1.476
2236	-1.083	14.500	1.113
2237	-1.083	14.500	0.751
2238	-1.083	14.500	0.388
2239	0.000	8.609	0.388
2240	0.000	9.063	0.751
2241	0.000	9.516	0.751
2242	0.000	8.609	0.751
2243	0.000	9.969	0.751
2244	0.000	10.422	0.751
2245	0.000	10.875	0.751
2246	0.000	11.328	0.751
2247	0.000	11.781	0.751
2248	0.000	12.234	0.751
2249	0.000	12.688	0.751
2250	0.000	13.141	0.388
2251	0.000	13.141	0.751
2252	-0.722	0.000	0.388
2253	-0.722	0.000	0.751
2254	-1.444	0.906	0.388
2255	-1.444	0.906	0.751
2256	-0.722	0.000	1.113
2257	-1.444	0.906	1.113
2258	-0.722	0.000	1.476
2259	-0.722	0.000	1.838
2260	-0.722	0.453	1.838
2261	-0.722	0.906	1.838
2262	-1.444	1.359	1.113
2263	-0.722	1.359	1.838
2264	-1.444	1.813	1.113
2265	-0.722	1.813	1.838
2266	-1.444	2.266	1.113
2267	-0.722	2.266	1.838
2268	-1.444	2.719	1.113
2269	-0.722	2.719	1.838
2270	-1.444	3.172	1.113
2271	-0.722	3.172	1.838
2272	-1.444	3.625	1.113
2273	-0.722	3.625	1.838
2274	-1.444	4.078	1.113
2275	-0.722	4.078	1.838
2276	-1.444	4.531	1.113
2277	-0.722	4.531	1.838
2278	-1.444	4.984	1.113
2279	-0.722	4.984	1.838
2280	-1.444	5.438	1.113
2281	-0.722	5.438	1.838
2282	-1.444	5.891	1.113

2283	-0.722	5.891	1.838
2284	-1.444	6.344	1.113
2285	-0.722	6.344	1.838
2286	-0.722	6.797	1.838
2287	-0.722	7.250	1.838
2288	-0.722	7.250	1.476
2289	-0.722	7.703	1.838
2290	-0.722	7.250	1.113
2291	-0.722	8.156	1.838
2292	-0.722	8.609	1.838
2293	-0.722	7.250	0.751
2294	-1.444	6.344	0.751
2295	-0.722	7.250	0.388
2296	-1.444	6.344	0.388
2297	-0.722	9.063	1.838
2298	-0.722	9.516	1.838
2299	-0.722	9.969	1.838
2300	-0.722	10.422	1.838
2301	-0.722	10.875	1.838
2302	-0.722	11.328	1.838
2303	-0.722	11.781	1.838
2304	-0.722	12.234	1.838
2305	-0.722	12.688	1.838
2306	-0.722	13.141	1.838
2307	-0.722	13.594	1.838
2308	-0.722	14.047	1.838
2309	-0.722	14.500	1.838
2310	-0.722	14.500	1.476
2311	-0.722	14.500	1.113
2312	-0.722	14.500	0.751
2313	-0.722	14.500	0.388
2314	0.000	8.156	0.388
2315	0.000	8.156	0.751
2316	0.000	9.063	1.113
2317	0.000	9.516	1.113
2318	0.000	8.609	1.113
2319	0.000	9.969	1.113
2320	0.000	8.156	1.113
2321	0.000	10.422	1.113
2322	0.000	10.875	1.113
2323	0.000	11.328	1.113
2324	0.000	11.781	1.113
2325	0.000	12.234	1.113
2326	0.000	12.688	1.113
2327	0.000	13.141	1.113
2328	0.000	13.594	0.388
2329	0.000	13.594	0.751
2330	0.000	13.594	1.113
2331	-0.361	0.000	0.388
2332	-0.361	0.000	0.751
2333	-0.361	0.000	1.113
2334	-1.444	1.359	0.388
2335	-1.444	1.359	0.751
2336	-0.361	0.000	1.476
2337	-0.361	0.000	1.838
2338	-0.361	0.453	1.838
2339	-0.361	0.906	1.838
2340	-0.361	1.359	1.838
2341	-1.444	1.813	0.751
2342	-0.361	1.813	1.838
2343	-1.444	2.266	0.751
2344	-0.361	2.266	1.838

2345	-1.444	2.719	0.751
2346	-0.361	2.719	1.838
2347	-1.444	3.172	0.751
2348	-0.361	3.172	1.838
2349	-1.444	3.625	0.751
2350	-0.361	3.625	1.838
2351	-1.444	4.078	0.751
2352	-0.361	4.078	1.838
2353	-1.444	4.531	0.751
2354	-0.361	4.531	1.838
2355	-1.444	4.984	0.751
2356	-0.361	4.984	1.838
2357	-1.444	5.438	0.751
2358	-0.361	5.438	1.838
2359	-1.444	5.891	0.751
2360	-0.361	5.891	1.838
2361	-0.361	6.344	1.838
2362	-0.361	6.797	1.838
2363	-0.361	7.250	1.838
2364	-0.361	7.250	1.476
2365	-0.361	7.703	1.838
2366	-0.361	7.250	1.113
2367	-0.361	8.156	1.838
2368	-0.361	7.250	0.751
2369	-0.361	8.609	1.838
2370	-0.361	9.063	1.838
2371	-0.361	7.250	0.388
2372	-1.444	5.891	0.388
2373	-0.361	9.516	1.838
2374	-0.361	9.969	1.838
2375	-0.361	10.422	1.838
2376	-0.361	10.875	1.838
2377	-0.361	11.328	1.838
2378	-0.361	11.781	1.838
2379	-0.361	12.234	1.838
2380	-0.361	12.688	1.838
2381	-0.361	13.141	1.838
2382	-0.361	13.594	1.838
2383	-0.361	14.047	1.838
2384	-0.361	14.500	1.838
2385	-0.361	14.500	1.476
2386	-0.361	14.500	1.113
2387	-0.361	14.500	0.751
2388	-0.361	14.500	0.388
2389	0.000	7.703	0.388
2390	0.000	7.703	0.751
2391	0.000	7.703	1.113
2392	0.000	9.063	1.476
2393	0.000	9.516	1.476
2394	0.000	8.609	1.476
2395	0.000	9.969	1.476
2396	0.000	8.156	1.476
2397	0.000	10.422	1.476
2398	0.000	7.703	1.476
2399	0.000	10.875	1.476
2400	0.000	11.328	1.476
2401	0.000	11.781	1.476
2402	0.000	12.234	1.476
2403	0.000	12.688	1.476
2404	0.000	13.141	1.476
2405	0.000	13.594	1.476
2406	0.000	14.047	0.388

2407	0.000	14.047	0.751
2408	0.000	14.047	1.113
2409	0.000	14.047	1.476
2410	0.000	0.000	0.388
2411	0.000	0.000	0.751
2412	0.000	0.000	1.113
2413	0.000	0.000	1.476
2414	-1.444	1.813	0.388
2415	0.000	0.000	1.838
2416	0.000	0.453	1.838
2417	0.000	0.906	1.838
2418	0.000	1.359	1.838
2419	0.000	1.813	1.838
2420	-1.444	2.266	0.388
2421	0.000	2.266	1.838
2422	-1.444	2.719	0.388
2423	0.000	2.719	1.838
2424	-1.444	3.172	0.388
2425	0.000	3.172	1.838
2426	-1.444	3.625	0.388
2427	0.000	3.625	1.838
2428	-1.444	4.078	0.388
2429	0.000	4.078	1.838
2430	-1.444	4.531	0.388
2431	0.000	4.531	1.838
2432	-1.444	4.984	0.388
2433	0.000	4.984	1.838
2434	-1.444	5.438	0.388
2435	0.000	5.438	1.838
2436	0.000	5.891	1.838
2437	0.000	6.344	1.838
2438	0.000	6.797	1.838
2439	0.000	7.250	1.838
2440	0.000	7.703	1.838
2441	0.000	7.250	1.476
2442	0.000	7.250	1.113
2443	0.000	8.156	1.838
2444	0.000	7.250	0.751
2445	0.000	8.609	1.838
2446	0.000	7.250	0.388
2447	0.000	9.063	1.838
2448	0.000	9.516	1.838
2449	0.000	9.969	1.838
2450	0.000	10.422	1.838
2451	0.000	10.875	1.838
2452	0.000	11.328	1.838
2453	0.000	11.781	1.838
2454	0.000	12.234	1.838
2455	0.000	12.688	1.838
2456	0.000	13.141	1.838
2457	0.000	13.594	1.838
2458	0.000	14.047	1.838
2459	0.000	14.500	1.838
2460	0.000	14.500	1.476
2461	0.000	14.500	1.113
2462	0.000	14.500	0.751
2463	0.000	14.500	0.388
2464	1.444	9.063	0.388
2465	1.444	9.516	0.388
2466	1.444	9.969	0.388
2467	1.444	10.422	0.388
2468	1.444	10.875	0.388

2469	1.444	11.328	0.388
2470	1.444	11.781	0.388
2471	1.444	12.234	0.388
2472	1.444	12.688	0.388
2473	0.361	0.000	0.388
2474	0.000	0.453	0.388
2475	0.361	0.000	0.751
2476	0.000	0.453	0.751
2477	0.361	0.000	1.113
2478	0.000	0.453	1.113
2479	0.361	0.000	1.476
2480	0.000	0.453	1.476
2481	0.361	0.000	1.838
2482	0.361	0.453	1.838
2483	0.000	0.906	1.476
2484	0.361	0.906	1.838
2485	0.000	1.359	1.476
2486	0.361	1.359	1.838
2487	0.000	1.813	1.476
2488	0.361	1.813	1.838
2489	0.000	2.266	1.476
2490	0.361	2.266	1.838
2491	0.000	2.719	1.476
2492	0.361	2.719	1.838
2493	0.000	3.172	1.476
2494	0.361	3.172	1.838
2495	0.000	3.625	1.476
2496	0.361	3.625	1.838
2497	0.000	4.078	1.476
2498	0.361	4.078	1.838
2499	0.000	4.531	1.476
2500	0.361	4.531	1.838
2501	0.000	4.984	1.476
2502	0.361	4.984	1.838
2503	0.000	5.438	1.476
2504	0.361	5.438	1.838
2505	0.000	5.891	1.476
2506	0.361	5.891	1.838
2507	0.000	6.344	1.476
2508	0.361	6.344	1.838
2509	0.000	6.797	1.476
2510	0.361	6.797	1.838
2511	0.361	7.250	1.838
2512	0.361	7.250	1.476
2513	0.361	7.703	1.838
2514	0.361	8.156	1.838
2515	0.361	7.250	1.113
2516	0.000	6.797	1.113
2517	0.361	7.250	0.751
2518	0.000	6.797	0.751
2519	0.361	8.609	1.838
2520	0.361	7.250	0.388
2521	0.000	6.797	0.388
2522	0.361	9.063	1.838
2523	0.361	9.516	1.838
2524	0.361	9.969	1.838
2525	0.361	10.422	1.838
2526	0.361	10.875	1.838
2527	0.361	11.328	1.838
2528	0.361	11.781	1.838
2529	0.361	12.234	1.838
2530	0.361	12.688	1.838

2531	0.361	13.141	1.838
2532	0.361	13.594	1.838
2533	0.361	14.047	1.838
2534	0.361	14.500	1.838
2535	0.361	14.500	1.476
2536	0.361	14.500	1.113
2537	0.361	14.500	0.751
2538	0.361	14.500	0.388
2539	1.444	8.609	0.388
2540	1.444	9.063	0.751
2541	1.444	9.516	0.751
2542	1.444	8.609	0.751
2543	1.444	9.969	0.751
2544	1.444	10.422	0.751
2545	1.444	10.875	0.751
2546	1.444	11.328	0.751
2547	1.444	11.781	0.751
2548	1.444	12.234	0.751
2549	1.444	12.688	0.751
2550	1.444	13.141	0.388
2551	1.444	13.141	0.751
2552	0.722	0.000	0.388
2553	0.722	0.000	0.751
2554	0.000	0.906	0.388
2555	0.000	0.906	0.751
2556	0.722	0.000	1.113
2557	0.000	0.906	1.113
2558	0.722	0.000	1.476
2559	0.722	0.000	1.838
2560	0.722	0.453	1.838
2561	0.722	0.906	1.838
2562	0.000	1.359	1.113
2563	0.722	1.359	1.838
2564	0.000	1.813	1.113
2565	0.722	1.813	1.838
2566	0.000	2.266	1.113
2567	0.722	2.266	1.838
2568	0.000	2.719	1.113
2569	0.722	2.719	1.838
2570	0.000	3.172	1.113
2571	0.722	3.172	1.838
2572	0.000	3.625	1.113
2573	0.722	3.625	1.838
2574	0.000	4.078	1.113
2575	0.722	4.078	1.838
2576	0.000	4.531	1.113
2577	0.722	4.531	1.838
2578	0.000	4.984	1.113
2579	0.722	4.984	1.838
2580	0.000	5.438	1.113
2581	0.722	5.438	1.838
2582	0.000	5.891	1.113
2583	0.722	5.891	1.838
2584	0.000	6.344	1.113
2585	0.722	6.344	1.838
2586	0.722	6.797	1.838
2587	0.722	7.250	1.838
2588	0.722	7.250	1.476
2589	0.722	7.703	1.838
2590	0.722	7.250	1.113
2591	0.722	8.156	1.838
2592	0.722	8.609	1.838

2593	0.722	7.250	0.751
2594	0.000	6.344	0.751
2595	0.722	7.250	0.388
2596	0.000	6.344	0.388
2597	0.722	9.063	1.838
2598	0.722	9.516	1.838
2599	0.722	9.969	1.838
2600	0.722	10.422	1.838
2601	0.722	10.875	1.838
2602	0.722	11.328	1.838
2603	0.722	11.781	1.838
2604	0.722	12.234	1.838
2605	0.722	12.688	1.838
2606	0.722	13.141	1.838
2607	0.722	13.594	1.838
2608	0.722	14.047	1.838
2609	0.722	14.500	1.838
2610	0.722	14.500	1.476
2611	0.722	14.500	1.113
2612	0.722	14.500	0.751
2613	0.722	14.500	0.388
2614	1.444	8.156	0.388
2615	1.444	8.156	0.751
2616	1.444	9.063	1.113
2617	1.444	9.516	1.113
2618	1.444	8.609	1.113
2619	1.444	9.969	1.113
2620	1.444	8.156	1.113
2621	1.444	10.422	1.113
2622	1.444	10.875	1.113
2623	1.444	11.328	1.113
2624	1.444	11.781	1.113
2625	1.444	12.234	1.113
2626	1.444	12.688	1.113
2627	1.444	13.141	1.113
2628	1.444	13.594	0.388
2629	1.444	13.594	0.751
2630	1.444	13.594	1.113
2631	1.083	0.000	0.388
2632	1.083	0.000	0.751
2633	1.083	0.000	1.113
2634	0.000	1.359	0.388
2635	0.000	1.359	0.751
2636	1.083	0.000	1.476
2637	1.083	0.000	1.838
2638	1.083	0.453	1.838
2639	1.083	0.906	1.838
2640	1.083	1.359	1.838
2641	0.000	1.813	0.751
2642	1.083	1.813	1.838
2643	0.000	2.266	0.751
2644	1.083	2.266	1.838
2645	0.000	2.719	0.751
2646	1.083	2.719	1.838
2647	0.000	3.172	0.751
2648	1.083	3.172	1.838
2649	0.000	3.625	0.751
2650	1.083	3.625	1.838
2651	0.000	4.078	0.751
2652	1.083	4.078	1.838
2653	0.000	4.531	0.751
2654	1.083	4.531	1.838

2655	0.000	4.984	0.751
2656	1.083	4.984	1.838
2657	0.000	5.438	0.751
2658	1.083	5.438	1.838
2659	0.000	5.891	0.751
2660	1.083	5.891	1.838
2661	1.083	6.344	1.838
2662	1.083	6.797	1.838
2663	1.083	7.250	1.838
2664	1.083	7.250	1.476
2665	1.083	7.703	1.838
2666	1.083	7.250	1.113
2667	1.083	8.156	1.838
2668	1.083	7.250	0.751
2669	1.083	8.609	1.838
2670	1.083	9.063	1.838
2671	1.083	7.250	0.388
2672	0.000	5.891	0.388
2673	1.083	9.516	1.838
2674	1.083	9.969	1.838
2675	1.083	10.422	1.838
2676	1.083	10.875	1.838
2677	1.083	11.328	1.838
2678	1.083	11.781	1.838
2679	1.083	12.234	1.838
2680	1.083	12.688	1.838
2681	1.083	13.141	1.838
2682	1.083	13.594	1.838
2683	1.083	14.047	1.838
2684	1.083	14.500	1.838
2685	1.083	14.500	1.476
2686	1.083	14.500	1.113
2687	1.083	14.500	0.751
2688	1.083	14.500	0.388
2689	1.444	7.703	0.388
2690	1.444	7.703	0.751
2691	1.444	7.703	1.113
2692	1.444	9.063	1.476
2693	1.444	9.516	1.476
2694	1.444	8.609	1.476
2695	1.444	9.969	1.476
2696	1.444	8.156	1.476
2697	1.444	10.422	1.476
2698	1.444	7.703	1.476
2699	1.444	10.875	1.476
2700	1.444	11.328	1.476
2701	1.444	11.781	1.476
2702	1.444	12.234	1.476
2703	1.444	12.688	1.476
2704	1.444	13.141	1.476
2705	1.444	13.594	1.476
2706	1.444	14.047	0.388
2707	1.444	14.047	0.751
2708	1.444	14.047	1.113
2709	1.444	14.047	1.476
2710	1.444	0.000	0.388
2711	1.444	0.000	0.751
2712	1.444	0.000	1.113
2713	1.444	0.000	1.476
2714	0.000	1.813	0.388
2715	1.444	0.000	1.838
2716	1.444	0.453	1.838

2717	1.444	0.906	1.838
2718	1.444	1.359	1.838
2719	1.444	1.813	1.838
2720	0.000	2.266	0.388
2721	1.444	2.266	1.838
2722	0.000	2.719	0.388
2723	1.444	2.719	1.838
2724	0.000	3.172	0.388
2725	1.444	3.172	1.838
2726	0.000	3.625	0.388
2727	1.444	3.625	1.838
2728	0.000	4.078	0.388
2729	1.444	4.078	1.838
2730	0.000	4.531	0.388
2731	1.444	4.531	1.838
2732	0.000	4.984	0.388
2733	1.444	4.984	1.838
2734	0.000	5.438	0.388
2735	1.444	5.438	1.838
2736	1.444	5.891	1.838
2737	1.444	6.344	1.838
2738	1.444	6.797	1.838
2739	1.444	7.250	1.838
2740	1.444	7.703	1.838
2741	1.444	7.250	1.476
2742	1.444	7.250	1.113
2743	1.444	8.156	1.838
2744	1.444	7.250	0.751
2745	1.444	8.609	1.838
2746	1.444	7.250	0.388
2747	1.444	9.063	1.838
2748	1.444	9.516	1.838
2749	1.444	9.969	1.838
2750	1.444	10.422	1.838
2751	1.444	10.875	1.838
2752	1.444	11.328	1.838
2753	1.444	11.781	1.838
2754	1.444	12.234	1.838
2755	1.444	12.688	1.838
2756	1.444	13.141	1.838
2757	1.444	13.594	1.838
2758	1.444	14.047	1.838
2759	1.444	14.500	1.838
2760	1.444	14.500	1.476
2761	1.444	14.500	1.113
2762	1.444	14.500	0.751
2763	1.444	14.500	0.388
2764	2.888	1.813	0.388
2765	2.888	2.266	0.388
2766	2.888	2.719	0.388
2767	2.888	3.172	0.388
2768	2.888	3.625	0.388
2769	2.888	4.078	0.388
2770	2.888	4.531	0.388
2771	2.888	4.984	0.388
2772	2.888	5.438	0.388
2773	2.888	9.063	0.388
2774	2.888	9.516	0.388
2775	2.888	9.969	0.388
2776	2.888	10.422	0.388
2777	2.888	10.875	0.388
2778	2.888	11.328	0.388

2779	2.888	11.781	0.388
2780	2.888	12.234	0.388
2781	2.888	12.688	0.388
2782	1.805	0.000	0.388
2783	1.444	0.453	0.388
2784	1.805	0.000	0.751
2785	1.444	0.453	0.751
2786	1.805	0.000	1.113
2787	1.444	0.453	1.113
2788	1.805	0.000	1.476
2789	1.444	0.453	1.476
2790	1.805	0.000	1.838
2791	1.805	0.453	1.838
2792	1.805	0.906	1.838
2793	1.444	0.906	1.476
2794	1.805	1.359	1.838
2795	1.444	1.359	1.476
2796	1.805	1.813	1.838
2797	1.444	1.813	1.476
2798	1.805	2.266	1.838
2799	1.444	2.266	1.476
2800	1.805	2.719	1.838
2801	1.444	2.719	1.476
2802	1.805	3.172	1.838
2803	1.444	3.172	1.476
2804	1.805	3.625	1.838
2805	1.444	3.625	1.476
2806	1.805	4.078	1.838
2807	1.444	4.078	1.476
2808	1.805	4.531	1.838
2809	1.444	4.531	1.476
2810	1.805	4.984	1.838
2811	1.444	4.984	1.476
2812	1.805	5.438	1.838
2813	1.444	5.438	1.476
2814	1.805	5.891	1.838
2815	1.444	5.891	1.476
2816	1.805	6.344	1.838
2817	1.444	6.344	1.476
2818	1.805	6.797	1.838
2819	1.444	6.797	1.476
2820	1.805	7.250	1.838
2821	1.805	7.250	1.476
2822	1.805	7.703	1.838
2823	1.805	8.156	1.838
2824	1.805	7.250	1.113
2825	1.444	6.797	1.113
2826	1.805	7.250	0.751
2827	1.444	6.797	0.751
2828	1.805	8.609	1.838
2829	1.805	7.250	0.388
2830	1.444	6.797	0.388
2831	1.805	9.063	1.838
2832	1.805	9.516	1.838
2833	1.805	9.969	1.838
2834	1.805	10.422	1.838
2835	1.805	10.875	1.838
2836	1.805	11.328	1.838
2837	1.805	11.781	1.838
2838	1.805	12.234	1.838
2839	1.805	12.688	1.838
2840	1.805	13.141	1.838

2841	1.805	13.594	1.838
2842	1.805	14.047	1.838
2843	1.805	14.500	1.838
2844	1.805	14.500	1.476
2845	1.805	14.500	1.113
2846	1.805	14.500	0.751
2847	1.805	14.500	0.388
2848	2.888	1.359	0.388
2849	2.888	1.813	0.751
2850	2.888	2.266	0.751
2851	2.888	1.359	0.751
2852	2.888	2.719	0.751
2853	2.888	3.172	0.751
2854	2.888	3.625	0.751
2855	2.888	4.078	0.751
2856	2.888	4.531	0.751
2857	2.888	4.984	0.751
2858	2.888	5.438	0.751
2859	2.888	5.891	0.388
2860	2.888	5.891	0.751
2861	2.888	8.609	0.388
2862	2.888	9.063	0.751
2863	2.888	9.516	0.751
2864	2.888	8.609	0.751
2865	2.888	9.969	0.751
2866	2.888	10.422	0.751
2867	2.888	10.875	0.751
2868	2.888	11.328	0.751
2869	2.888	11.781	0.751
2870	2.888	12.234	0.751
2871	2.888	12.688	0.751
2872	2.888	13.141	0.388
2873	2.888	13.141	0.751
2874	2.166	0.000	0.388
2875	2.166	0.000	0.751
2876	1.444	0.906	0.388
2877	1.444	0.906	0.751
2878	2.166	0.000	1.113
2879	1.444	0.906	1.113
2880	2.166	0.000	1.476
2881	2.166	0.000	1.838
2882	2.166	0.453	1.838
2883	2.166	0.906	1.838
2884	2.166	1.359	1.838
2885	1.444	1.359	1.113
2886	2.166	1.813	1.838
2887	1.444	1.813	1.113
2888	2.166	2.266	1.838
2889	1.444	2.266	1.113
2890	2.166	2.719	1.838
2891	1.444	2.719	1.113
2892	2.166	3.172	1.838
2893	1.444	3.172	1.113
2894	2.166	3.625	1.838
2895	1.444	3.625	1.113
2896	2.166	4.078	1.838
2897	1.444	4.078	1.113
2898	2.166	4.531	1.838
2899	1.444	4.531	1.113
2900	2.166	4.984	1.838
2901	1.444	4.984	1.113
2902	2.166	5.438	1.838

2903	1.444	5.438	1.113
2904	2.166	5.891	1.838
2905	1.444	5.891	1.113
2906	2.166	6.344	1.838
2907	1.444	6.344	1.113
2908	2.166	6.797	1.838
2909	2.166	7.250	1.838
2910	2.166	7.250	1.476
2911	2.166	7.703	1.838
2912	2.166	7.250	1.113
2913	2.166	8.156	1.838
2914	2.166	8.609	1.838
2915	2.166	7.250	0.751
2916	1.444	6.344	0.751
2917	2.166	7.250	0.388
2918	1.444	6.344	0.388
2919	2.166	9.063	1.838
2920	2.166	9.516	1.838
2921	2.166	9.969	1.838
2922	2.166	10.422	1.838
2923	2.166	10.875	1.838
2924	2.166	11.328	1.838
2925	2.166	11.781	1.838
2926	2.166	12.234	1.838
2927	2.166	12.688	1.838
2928	2.166	13.141	1.838
2929	2.166	13.594	1.838
2930	2.166	14.047	1.838
2931	2.166	14.500	1.838
2932	2.166	14.500	1.476
2933	2.166	14.500	1.113
2934	2.166	14.500	0.751
2935	2.166	14.500	0.388
2936	2.888	0.906	0.388
2937	2.888	0.906	0.751
2938	2.888	1.813	1.113
2939	2.888	2.266	1.113
2940	2.888	1.359	1.113
2941	2.888	2.719	1.113
2942	2.888	0.906	1.113
2943	2.888	3.172	1.113
2944	2.888	3.625	1.113
2945	2.888	4.078	1.113
2946	2.888	4.531	1.113
2947	2.888	4.984	1.113
2948	2.888	5.438	1.113
2949	2.888	5.891	1.113
2950	2.888	6.344	0.388
2951	2.888	6.344	0.751
2952	2.888	6.344	1.113
2953	2.888	8.156	0.388
2954	2.888	8.156	0.751
2955	2.888	9.063	1.113
2956	2.888	9.516	1.113
2957	2.888	8.609	1.113
2958	2.888	9.969	1.113
2959	2.888	8.156	1.113
2960	2.888	10.422	1.113
2961	2.888	10.875	1.113
2962	2.888	11.328	1.113
2963	2.888	11.781	1.113
2964	2.888	12.234	1.113

2965	2.888	12.688	1.113
2966	2.888	13.141	1.113
2967	2.888	13.594	0.388
2968	2.888	13.594	0.751
2969	2.888	13.594	1.113
2970	2.527	0.000	0.388
2971	2.527	0.000	0.751
2972	2.527	0.000	1.113
2973	1.444	1.359	0.388
2974	1.444	1.359	0.751
2975	2.527	0.000	1.476
2976	2.527	0.000	1.838
2977	2.527	0.453	1.838
2978	2.527	0.906	1.838
2979	2.527	1.359	1.838
2980	2.527	1.813	1.838
2981	1.444	1.813	0.751
2982	2.527	2.266	1.838
2983	1.444	2.266	0.751
2984	2.527	2.719	1.838
2985	1.444	2.719	0.751
2986	2.527	3.172	1.838
2987	1.444	3.172	0.751
2988	2.527	3.625	1.838
2989	1.444	3.625	0.751
2990	2.527	4.078	1.838
2991	1.444	4.078	0.751
2992	2.527	4.531	1.838
2993	1.444	4.531	0.751
2994	2.527	4.984	1.838
2995	1.444	4.984	0.751
2996	2.527	5.438	1.838
2997	1.444	5.438	0.751
2998	2.527	5.891	1.838
2999	1.444	5.891	0.751
3000	2.527	6.344	1.838
3001	2.527	6.797	1.838
3002	2.527	7.250	1.838
3003	2.527	7.250	1.476
3004	2.527	7.703	1.838
3005	2.527	7.250	1.113
3006	2.527	8.156	1.838
3007	2.527	7.250	0.751
3008	2.527	8.609	1.838
3009	2.527	9.063	1.838
3010	2.527	7.250	0.388
3011	1.444	5.891	0.388
3012	2.527	9.516	1.838
3013	2.527	9.969	1.838
3014	2.527	10.422	1.838
3015	2.527	10.875	1.838
3016	2.527	11.328	1.838
3017	2.527	11.781	1.838
3018	2.527	12.234	1.838
3019	2.527	12.688	1.838
3020	2.527	13.141	1.838
3021	2.527	13.594	1.838
3022	2.527	14.047	1.838
3023	2.527	14.500	1.838
3024	2.527	14.500	1.476
3025	2.527	14.500	1.113
3026	2.527	14.500	0.751

3027	2.527	14.500	0.388
3028	2.888	0.453	0.388
3029	2.888	0.453	0.751
3030	2.888	0.453	1.113
3031	2.888	1.813	1.476
3032	2.888	2.266	1.476
3033	2.888	1.359	1.476
3034	2.888	2.719	1.476
3035	2.888	0.906	1.476
3036	2.888	3.172	1.476
3037	2.888	0.453	1.476
3038	2.888	3.625	1.476
3039	2.888	4.078	1.476
3040	2.888	4.531	1.476
3041	2.888	4.984	1.476
3042	2.888	5.438	1.476
3043	2.888	5.891	1.476
3044	2.888	6.344	1.476
3045	2.888	6.797	0.388
3046	2.888	6.797	0.751
3047	2.888	6.797	1.113
3048	2.888	6.797	1.476
3049	2.888	7.703	0.388
3050	2.888	7.703	0.751
3051	2.888	7.703	1.113
3052	2.888	9.063	1.476
3053	2.888	9.516	1.476
3054	2.888	8.609	1.476
3055	2.888	9.969	1.476
3056	2.888	8.156	1.476
3057	2.888	10.422	1.476
3058	2.888	7.703	1.476
3059	2.888	10.875	1.476
3060	2.888	11.328	1.476
3061	2.888	11.781	1.476
3062	2.888	12.234	1.476
3063	2.888	12.688	1.476
3064	2.888	13.141	1.476
3065	2.888	13.594	1.476
3066	2.888	14.047	0.388
3067	2.888	14.047	0.751
3068	2.888	14.047	1.113
3069	2.888	14.047	1.476
3070	2.888	0.000	0.388
3071	2.888	0.000	0.751
3072	2.888	0.000	1.113
3073	2.888	0.000	1.476
3074	1.444	1.813	0.388
3075	2.888	0.000	1.838
3076	2.888	0.453	1.838
3077	2.888	0.906	1.838
3078	2.888	1.359	1.838
3079	2.888	1.813	1.838
3080	2.888	2.266	1.838
3081	1.444	2.266	0.388
3082	2.888	2.719	1.838
3083	1.444	2.719	0.388
3084	2.888	3.172	1.838
3085	1.444	3.172	0.388
3086	2.888	3.625	1.838
3087	1.444	3.625	0.388
3088	2.888	4.078	1.838

3089	1.444	4.078	0.388
3090	2.888	4.531	1.838
3091	1.444	4.531	0.388
3092	2.888	4.984	1.838
3093	1.444	4.984	0.388
3094	2.888	5.438	1.838
3095	1.444	5.438	0.388
3096	2.888	5.891	1.838
3097	2.888	6.344	1.838
3098	2.888	6.797	1.838
3099	2.888	7.250	1.838
3100	2.888	7.703	1.838
3101	2.888	7.250	1.476
3102	2.888	7.250	1.113
3103	2.888	8.156	1.838
3104	2.888	7.250	0.751
3105	2.888	8.609	1.838
3106	2.888	7.250	0.388
3107	2.888	9.063	1.838
3108	2.888	9.516	1.838
3109	2.888	9.969	1.838
3110	2.888	10.422	1.838
3111	2.888	10.875	1.838
3112	2.888	11.328	1.838
3113	2.888	11.781	1.838
3114	2.888	12.234	1.838
3115	2.888	12.688	1.838
3116	2.888	13.141	1.838
3117	2.888	13.594	1.838
3118	2.888	14.047	1.838
3119	2.888	14.500	1.838
3120	2.888	14.500	1.476
3121	2.888	14.500	1.113
3122	2.888	14.500	0.751
3123	2.888	14.500	0.388
3124	4.332	1.813	0.388
3125	4.332	2.266	0.388
3126	4.332	2.719	0.388
3127	4.332	3.172	0.388
3128	4.332	3.625	0.388
3129	4.332	4.078	0.388
3130	4.332	4.531	0.388
3131	4.332	4.984	0.388
3132	4.332	5.438	0.388
3133	4.332	9.063	0.388
3134	4.332	9.516	0.388
3135	4.332	9.969	0.388
3136	4.332	10.422	0.388
3137	4.332	10.875	0.388
3138	4.332	11.328	0.388
3139	4.332	11.781	0.388
3140	4.332	12.234	0.388
3141	4.332	12.688	0.388
3142	3.249	0.000	0.388
3143	3.249	0.000	0.751
3144	3.249	0.000	1.113
3145	3.249	0.000	1.476
3146	3.249	0.000	1.838
3147	3.249	0.453	1.838
3148	3.249	0.906	1.838
3149	3.249	1.359	1.838
3150	3.249	1.813	1.838

3151	3.249	2.266	1.838
3152	3.249	2.719	1.838
3153	3.249	3.172	1.838
3154	3.249	3.625	1.838
3155	3.249	4.078	1.838
3156	3.249	4.531	1.838
3157	3.249	4.984	1.838
3158	3.249	5.438	1.838
3159	3.249	5.891	1.838
3160	3.249	6.344	1.838
3161	3.249	6.797	1.838
3162	3.249	7.250	1.838
3163	3.249	7.250	1.476
3164	3.249	7.703	1.838
3165	3.249	8.156	1.838
3166	3.249	7.250	1.113
3167	3.249	7.250	0.751
3168	3.249	8.609	1.838
3169	3.249	7.250	0.388
3170	3.249	9.063	1.838
3171	3.249	9.516	1.838
3172	3.249	9.969	1.838
3173	3.249	10.422	1.838
3174	3.249	10.875	1.838
3175	3.249	11.328	1.838
3176	3.249	11.781	1.838
3177	3.249	12.234	1.838
3178	3.249	12.688	1.838
3179	3.249	13.141	1.838
3180	3.249	13.594	1.838
3181	3.249	14.047	1.838
3182	3.249	14.500	1.838
3183	3.249	14.500	1.476
3184	3.249	14.500	1.113
3185	3.249	14.500	0.751
3186	3.249	14.500	0.388
3187	4.332	1.359	0.388
3188	4.332	1.813	0.751
3189	4.332	2.266	0.751
3190	4.332	1.359	0.751
3191	4.332	2.719	0.751
3192	4.332	3.172	0.751
3193	4.332	3.625	0.751
3194	4.332	4.078	0.751
3195	4.332	4.531	0.751
3196	4.332	4.984	0.751
3197	4.332	5.438	0.751
3198	4.332	5.891	0.388
3199	4.332	5.891	0.751
3200	4.332	8.609	0.388
3201	4.332	9.063	0.751
3202	4.332	9.516	0.751
3203	4.332	8.609	0.751
3204	4.332	9.969	0.751
3205	4.332	10.422	0.751
3206	4.332	10.875	0.751
3207	4.332	11.328	0.751
3208	4.332	11.781	0.751
3209	4.332	12.234	0.751
3210	4.332	12.688	0.751
3211	4.332	13.141	0.388
3212	4.332	13.141	0.751

3213	3.610	14.500	0.388
3214	4.332	13.594	0.388
3215	3.971	14.500	0.388
3216	4.332	14.047	0.388
3217	4.332	14.500	0.388
3218	3.610	0.000	0.388
3219	3.610	0.000	0.751
3220	3.610	0.000	1.113
3221	3.610	0.000	1.476
3222	3.610	0.000	1.838
3223	3.610	0.453	1.838
3224	3.610	0.906	1.838
3225	3.610	1.359	1.838
3226	3.610	1.813	1.838
3227	3.610	2.266	1.838
3228	3.610	2.719	1.838
3229	3.610	3.172	1.838
3230	3.610	3.625	1.838
3231	3.610	4.078	1.838
3232	3.610	4.531	1.838
3233	3.610	4.984	1.838
3234	3.610	5.438	1.838
3235	3.610	5.891	1.838
3236	3.610	6.344	1.838
3237	3.610	6.797	1.838
3238	3.610	7.250	1.838
3239	3.610	7.250	1.476
3240	3.610	7.703	1.838
3241	3.610	7.250	1.113
3242	3.610	8.156	1.838
3243	3.610	8.609	1.838
3244	3.610	7.250	0.751
3245	3.610	7.250	0.388
3246	3.610	9.063	1.838
3247	3.610	9.516	1.838
3248	3.610	9.969	1.838
3249	3.610	10.422	1.838
3250	3.610	10.875	1.838
3251	3.610	11.328	1.838
3252	3.610	11.781	1.838
3253	3.610	12.234	1.838
3254	3.610	12.688	1.838
3255	3.610	13.141	1.838
3256	3.610	13.594	1.838
3257	3.610	14.047	1.838
3258	3.610	14.500	1.838
3259	3.610	14.500	1.476
3260	3.610	14.500	1.113
3261	3.610	14.500	0.751
3262	4.332	0.906	0.388
3263	4.332	0.906	0.751
3264	4.332	1.813	1.113
3265	4.332	2.266	1.113
3266	4.332	1.359	1.113
3267	4.332	2.719	1.113
3268	4.332	0.906	1.113
3269	4.332	3.172	1.113
3270	4.332	3.625	1.113
3271	4.332	4.078	1.113
3272	4.332	4.531	1.113
3273	4.332	4.984	1.113
3274	4.332	5.438	1.113

3275	4.332	5.891	1.113
3276	4.332	6.344	0.388
3277	4.332	6.344	0.751
3278	4.332	6.344	1.113
3279	4.332	8.156	0.388
3280	4.332	8.156	0.751
3281	4.332	9.063	1.113
3282	4.332	9.516	1.113
3283	4.332	8.609	1.113
3284	4.332	9.969	1.113
3285	4.332	8.156	1.113
3286	4.332	10.422	1.113
3287	4.332	10.875	1.113
3288	4.332	11.328	1.113
3289	4.332	11.781	1.113
3290	4.332	12.234	1.113
3291	4.332	12.688	1.113
3292	4.332	13.141	1.113
3293	4.332	13.594	0.751
3294	4.332	13.594	1.113
3295	3.971	14.500	0.751
3296	4.332	14.047	0.751
3297	4.332	14.500	0.751
3298	4.693	14.500	0.388
3299	4.693	14.500	0.751
3300	3.971	0.000	0.388
3301	3.971	0.000	0.751
3302	3.971	0.000	1.113
3303	3.971	0.000	1.476
3304	3.971	0.000	1.838
3305	3.971	0.453	1.838
3306	3.971	0.906	1.838
3307	3.971	1.359	1.838
3308	3.971	1.813	1.838
3309	3.971	2.266	1.838
3310	3.971	2.719	1.838
3311	3.971	3.172	1.838
3312	3.971	3.625	1.838
3313	3.971	4.078	1.838
3314	3.971	4.531	1.838
3315	3.971	4.984	1.838
3316	3.971	5.438	1.838
3317	3.971	5.891	1.838
3318	3.971	6.344	1.838
3319	3.971	6.797	1.838
3320	3.971	7.250	1.838
3321	3.971	7.250	1.476
3322	3.971	7.703	1.838
3323	3.971	7.250	1.113
3324	3.971	8.156	1.838
3325	3.971	7.250	0.751
3326	3.971	8.609	1.838
3327	3.971	9.063	1.838
3328	3.971	7.250	0.388
3329	3.971	9.516	1.838
3330	3.971	9.969	1.838
3331	3.971	10.422	1.838
3332	3.971	10.875	1.838
3333	3.971	11.328	1.838
3334	3.971	11.781	1.838
3335	3.971	12.234	1.838
3336	3.971	12.688	1.838

3337	3.971	13.141	1.838
3338	3.971	13.594	1.838
3339	3.971	14.047	1.838
3340	3.971	14.500	1.838
3341	3.971	14.500	1.476
3342	3.971	14.500	1.113
3343	4.332	0.453	0.388
3344	4.332	0.453	0.751
3345	4.332	0.453	1.113
3346	4.332	1.813	1.476
3347	4.332	2.266	1.476
3348	4.332	1.359	1.476
3349	4.332	2.719	1.476
3350	4.332	0.906	1.476
3351	4.332	3.172	1.476
3352	4.332	0.453	1.476
3353	4.332	3.625	1.476
3354	4.332	4.078	1.476
3355	4.332	4.531	1.476
3356	4.332	4.984	1.476
3357	4.332	5.438	1.476
3358	4.332	5.891	1.476
3359	4.332	6.344	1.476
3360	4.332	6.797	0.388
3361	4.332	6.797	0.751
3362	4.332	6.797	1.113
3363	4.332	6.797	1.476
3364	4.332	7.703	0.388
3365	4.332	7.703	0.751
3366	4.332	7.703	1.113
3367	4.332	9.063	1.476
3368	4.332	9.516	1.476
3369	4.332	8.609	1.476
3370	4.332	9.969	1.476
3371	4.332	8.156	1.476
3372	4.332	10.422	1.476
3373	4.332	7.703	1.476
3374	4.332	10.875	1.476
3375	4.332	11.328	1.476
3376	4.332	11.781	1.476
3377	4.332	12.234	1.476
3378	4.332	12.688	1.476
3379	4.332	13.141	1.476
3380	4.332	13.594	1.476
3381	4.332	14.047	1.113
3382	4.332	14.047	1.476
3383	4.332	14.500	1.113
3384	4.693	14.500	1.113
3385	5.054	14.500	0.388
3386	5.054	14.500	0.751
3387	5.054	14.500	1.113
3388	7.132	14.500	1.188
3389	8.299	14.500	1.188
3390	4.332	0.000	0.388
3391	4.332	0.000	0.751
3392	4.332	0.000	1.113
3393	4.332	0.000	1.476
3394	4.332	0.000	1.838
3395	4.332	0.453	1.838
3396	4.332	0.906	1.838
3397	4.332	1.359	1.838
3398	4.332	1.813	1.838

3399	4.332	2.266	1.838
3400	4.332	2.719	1.838
3401	4.332	3.172	1.838
3402	4.332	3.625	1.838
3403	4.332	4.078	1.838
3404	4.332	4.531	1.838
3405	4.332	4.984	1.838
3406	4.332	5.438	1.838
3407	4.332	5.891	1.838
3408	4.332	6.344	1.838
3409	4.332	6.797	1.838
3410	4.332	7.250	1.838
3411	4.332	7.703	1.838
3412	4.332	7.250	1.476
3413	4.332	7.250	1.113
3414	4.332	8.156	1.838
3415	4.332	7.250	0.751
3416	4.332	8.609	1.838
3417	4.332	7.250	0.388
3418	4.332	9.063	1.838
3419	4.332	9.516	1.838
3420	4.332	9.969	1.838
3421	4.332	10.422	1.838
3422	4.332	10.875	1.838
3423	4.332	11.328	1.838
3424	4.332	11.781	1.838
3425	4.332	12.234	1.838
3426	4.332	12.688	1.838
3427	4.332	13.141	1.838
3428	4.332	13.594	1.838
3429	4.332	14.047	1.838
3430	4.332	14.500	1.838
3431	4.332	14.500	1.476
3432	4.693	14.500	1.476
3433	5.054	14.500	1.476
3434	5.415	14.500	0.388
3435	5.415	14.500	0.751
3436	5.415	14.500	1.113
3437	5.415	14.500	1.476
3438	7.435	14.500	0.863
3439	7.132	14.500	0.863
3440	7.435	14.500	1.188
3441	7.132	14.500	1.513
3442	7.435	14.500	1.513
3443	6.829	14.500	0.863
3444	6.829	14.500	1.188
3445	6.829	14.500	1.513
3446	8.424	14.500	0.863
3447	8.195	14.500	0.863
3448	8.580	14.500	1.188
3449	8.403	14.500	1.513
3450	8.736	14.500	1.513
3451	7.966	14.500	0.863
3452	8.018	14.500	1.188
3453	8.070	14.500	1.513
3454	4.693	0.000	0.388
3455	4.693	7.250	0.388
3456	5.776	14.500	0.388
3457	5.054	0.000	0.388
3458	5.054	7.250	0.388
3459	5.776	14.047	0.388
3460	5.415	0.000	0.388

3461	5.415	7.250	0.388
3462	5.776	13.594	0.388
3463	5.776	0.000	0.388
3464	5.776	7.250	0.388
3465	5.776	13.141	0.388
3466	5.776	0.453	0.388
3467	5.776	7.703	0.388
3468	5.776	6.797	0.388
3469	5.776	12.688	0.388
3470	5.776	0.906	0.388
3471	5.776	8.156	0.388
3472	5.776	6.344	0.388
3473	5.776	12.234	0.388
3474	5.776	1.359	0.388
3475	5.776	8.609	0.388
3476	5.776	5.891	0.388
3477	5.776	11.781	0.388
3478	5.776	1.813	0.388
3479	5.776	9.063	0.388
3480	5.776	5.438	0.388
3481	5.776	11.328	0.388
3482	5.776	2.266	0.388
3483	5.776	9.516	0.388
3484	5.776	4.984	0.388
3485	5.776	10.875	0.388
3486	5.776	2.719	0.388
3487	5.776	9.969	0.388
3488	5.776	4.531	0.388
3489	5.776	10.422	0.388
3490	5.776	3.172	0.388
3491	5.776	4.078	0.388
3492	5.776	3.625	0.388
3493	4.693	0.000	0.751
3494	4.693	0.000	1.113
3495	4.693	0.000	1.476
3496	4.693	0.000	1.838
3497	4.693	0.453	1.838
3498	4.693	0.906	1.838
3499	4.693	1.359	1.838
3500	4.693	1.813	1.838
3501	4.693	2.266	1.838
3502	4.693	2.719	1.838
3503	4.693	3.172	1.838
3504	4.693	3.625	1.838
3505	4.693	4.078	1.838
3506	4.693	4.531	1.838
3507	4.693	4.984	1.838
3508	4.693	5.438	1.838
3509	4.693	5.891	1.838
3510	4.693	6.344	1.838
3511	4.693	6.797	1.838
3512	4.693	7.250	1.838
3513	4.693	7.250	1.476
3514	4.693	7.703	1.838
3515	4.693	8.156	1.838
3516	4.693	7.250	1.113
3517	4.693	7.250	0.751
3518	4.693	8.609	1.838
3519	4.693	9.063	1.838
3520	4.693	9.516	1.838
3521	4.693	9.969	1.838
3522	4.693	10.422	1.838

3523	4.693	10.875	1.838
3524	4.693	11.328	1.838
3525	4.693	11.781	1.838
3526	4.693	12.234	1.838
3527	4.693	12.688	1.838
3528	4.693	13.141	1.838
3529	4.693	13.594	1.838
3530	4.693	14.047	1.838
3531	4.693	14.500	1.838
3532	5.054	14.500	1.838
3533	5.415	14.500	1.838
3534	5.776	14.500	0.751
3535	5.776	14.500	1.113
3536	5.776	14.500	1.476
3537	5.776	14.500	1.838
3538	7.435	14.500	0.538
3539	7.132	14.500	0.538
3540	7.738	14.500	0.538
3541	7.738	14.500	0.863
3542	7.738	14.500	1.188
3543	6.829	14.500	0.538
3544	7.738	14.500	1.513
3545	7.132	14.500	1.838
3546	7.435	14.500	1.838
3547	6.829	14.500	1.838
3548	7.738	14.500	1.838
3549	6.526	14.500	0.538
3550	6.526	14.500	0.863
3551	6.526	14.500	1.188
3552	6.526	14.500	1.513
3553	6.526	14.500	1.838
3554	8.445	14.500	0.538
3555	8.268	14.500	0.538
3556	8.653	14.500	0.863
3557	8.861	14.500	1.188
3558	8.091	14.500	0.538
3559	7.914	14.500	0.538
3560	9.069	14.500	1.513
3561	8.507	14.500	1.838
3562	8.892	14.500	1.838
3563	8.122	14.500	1.838
3564	9.277	14.500	1.838
3565	5.054	0.000	0.751
3566	5.054	7.250	0.751
3567	5.776	14.047	0.751
3568	5.415	0.000	0.751
3569	5.415	7.250	0.751
3570	5.776	13.594	0.751
3571	5.776	0.000	0.751
3572	5.776	7.250	0.751
3573	5.776	13.141	0.751
3574	5.776	0.453	0.751
3575	5.776	7.703	0.751
3576	5.776	6.797	0.751
3577	5.776	12.688	0.751
3578	5.776	0.906	0.751
3579	5.776	8.156	0.751
3580	5.776	6.344	0.751
3581	5.776	12.234	0.751
3582	5.776	1.359	0.751
3583	5.776	8.609	0.751
3584	5.776	5.891	0.751

3585	5.776	11.781	0.751
3586	5.776	1.813	0.751
3587	5.776	9.063	0.751
3588	5.776	5.438	0.751
3589	5.776	11.328	0.751
3590	5.776	2.266	0.751
3591	5.776	9.516	0.751
3592	5.776	4.984	0.751
3593	5.776	10.875	0.751
3594	5.776	2.719	0.751
3595	5.776	9.969	0.751
3596	5.776	4.531	0.751
3597	5.776	10.422	0.751
3598	5.776	3.172	0.751
3599	5.776	4.078	0.751
3600	5.776	3.625	0.751
3601	5.963	14.500	1.838
3602	6.338	14.500	1.838
3603	9.770	14.500	1.838
3604	6.151	14.500	1.838
3605	10.264	14.500	1.838
3606	10.757	14.500	1.838
3607	11.250	14.500	1.838
3608	5.054	0.000	1.113
3609	5.054	0.000	1.476
3610	5.054	0.000	1.838
3611	5.054	0.453	1.838
3612	5.054	0.906	1.838
3613	5.054	1.359	1.838
3614	5.054	1.813	1.838
3615	5.054	2.266	1.838
3616	5.054	2.719	1.838
3617	5.054	3.172	1.838
3618	5.054	3.625	1.838
3619	5.054	4.078	1.838
3620	5.054	4.531	1.838
3621	5.054	4.984	1.838
3622	5.054	5.438	1.838
3623	5.054	5.891	1.838
3624	5.054	6.344	1.838
3625	5.054	6.797	1.838
3626	5.054	7.250	1.838
3627	5.054	7.250	1.476
3628	5.054	7.703	1.838
3629	5.054	7.250	1.113
3630	5.054	8.156	1.838
3631	5.054	8.609	1.838
3632	5.054	9.063	1.838
3633	5.054	9.516	1.838
3634	5.054	9.969	1.838
3635	5.054	10.422	1.838
3636	5.054	10.875	1.838
3637	5.054	11.328	1.838
3638	5.054	11.781	1.838
3639	5.054	12.234	1.838
3640	5.054	12.688	1.838
3641	5.054	13.141	1.838
3642	5.054	13.594	1.838
3643	5.054	14.047	1.838
3644	5.415	14.047	1.838
3645	5.776	14.047	1.838
3646	5.776	14.047	1.113

3647	5.776	14.047	1.476
3648	5.963	14.047	1.838
3649	7.435	14.047	0.538
3650	7.132	14.047	0.538
3651	7.738	14.047	0.538
3652	6.829	14.047	0.538
3653	7.738	14.047	0.863
3654	7.914	14.047	0.538
3655	7.738	14.047	1.188
3656	7.738	14.047	1.513
3657	6.526	14.047	0.538
3658	7.738	14.047	1.838
3659	7.435	14.047	1.838
3660	7.132	14.047	1.838
3661	6.829	14.047	1.838
3662	6.526	14.047	1.838
3663	8.122	14.047	1.838
3664	6.526	14.047	0.863
3665	6.526	14.047	1.188
3666	6.526	14.047	1.513
3667	6.338	14.047	1.838
3668	8.653	14.047	0.863
3669	8.445	14.047	0.538
3670	8.268	14.047	0.538
3671	8.091	14.047	0.538
3672	8.861	14.047	1.188
3673	9.069	14.047	1.513
3674	9.277	14.047	1.838
3675	8.892	14.047	1.838
3676	8.507	14.047	1.838
3677	9.770	14.047	1.838
3678	5.415	0.000	1.113
3679	5.415	7.250	1.113
3680	5.776	13.594	1.113
3681	5.776	0.000	1.113
3682	5.776	7.250	1.113
3683	5.776	13.141	1.113
3684	5.776	0.453	1.113
3685	5.776	7.703	1.113
3686	5.776	6.797	1.113
3687	5.776	12.688	1.113
3688	5.776	0.906	1.113
3689	5.776	8.156	1.113
3690	5.776	6.344	1.113
3691	5.776	12.234	1.113
3692	5.776	1.359	1.113
3693	5.776	8.609	1.113
3694	5.776	5.891	1.113
3695	5.776	11.781	1.113
3696	5.776	1.813	1.113
3697	5.776	9.063	1.113
3698	5.776	5.438	1.113
3699	5.776	11.328	1.113
3700	5.776	2.266	1.113
3701	5.776	9.516	1.113
3702	5.776	4.984	1.113
3703	5.776	10.875	1.113
3704	5.776	2.719	1.113
3705	5.776	9.969	1.113
3706	5.776	4.531	1.113
3707	5.776	10.422	1.113
3708	5.776	3.172	1.113

3709	5.776	4.078	1.113
3710	5.776	3.625	1.113
3711	6.151	14.047	1.838
3712	10.264	14.047	1.838
3713	10.757	14.047	1.838
3714	11.250	14.047	1.838
3715	5.415	0.000	1.476
3716	5.415	0.000	1.838
3717	5.415	0.453	1.838
3718	5.415	0.906	1.838
3719	5.415	1.359	1.838
3720	5.415	1.813	1.838
3721	5.415	2.266	1.838
3722	5.415	2.719	1.838
3723	5.415	3.172	1.838
3724	5.415	3.625	1.838
3725	5.415	4.078	1.838
3726	5.415	4.531	1.838
3727	5.415	4.984	1.838
3728	5.415	5.438	1.838
3729	5.415	5.891	1.838
3730	5.415	6.344	1.838
3731	5.415	6.797	1.838
3732	5.415	7.250	1.838
3733	5.415	7.250	1.476
3734	5.415	7.703	1.838
3735	5.415	8.156	1.838
3736	5.415	8.609	1.838
3737	5.415	9.063	1.838
3738	5.415	9.516	1.838
3739	5.415	9.969	1.838
3740	5.415	10.422	1.838
3741	5.415	10.875	1.838
3742	5.415	11.328	1.838
3743	5.415	11.781	1.838
3744	5.415	12.234	1.838
3745	5.415	12.688	1.838
3746	5.415	13.141	1.838
3747	5.415	13.594	1.838
3748	5.776	13.594	1.838
3749	5.963	13.594	1.838
3750	5.776	13.594	1.476
3751	6.151	13.594	1.838
3752	7.435	13.594	0.538
3753	7.132	13.594	0.538
3754	7.738	13.594	0.538
3755	6.829	13.594	0.538
3756	7.738	13.594	0.863
3757	7.914	13.594	0.538
3758	6.526	13.594	0.538
3759	7.738	13.594	1.188
3760	8.091	13.594	0.538
3761	7.738	13.594	1.513
3762	7.738	13.594	1.838
3763	6.526	13.594	0.863
3764	7.435	13.594	1.838
3765	8.122	13.594	1.838
3766	7.132	13.594	1.838
3767	6.829	13.594	1.838
3768	6.526	13.594	1.838
3769	6.338	13.594	1.838
3770	6.526	13.594	1.513

3771	8.507	13.594	1.838
3772	6.526	13.594	1.188
3773	8.653	13.594	0.863
3774	8.445	13.594	0.538
3775	8.861	13.594	1.188
3776	8.268	13.594	0.538
3777	9.069	13.594	1.513
3778	9.277	13.594	1.838
3779	8.892	13.594	1.838
3780	9.770	13.594	1.838
3781	10.264	13.594	1.838
3782	5.776	0.000	1.476
3783	5.776	7.250	1.476
3784	5.776	13.141	1.476
3785	5.776	0.453	1.476
3786	5.776	7.703	1.476
3787	5.776	6.797	1.476
3788	5.776	12.688	1.476
3789	5.776	0.906	1.476
3790	5.776	8.156	1.476
3791	5.776	6.344	1.476
3792	5.776	12.234	1.476
3793	5.776	1.359	1.476
3794	5.776	8.609	1.476
3795	5.776	5.891	1.476
3796	5.776	11.781	1.476
3797	5.776	1.813	1.476
3798	5.776	9.063	1.476
3799	5.776	5.438	1.476
3800	5.776	11.328	1.476
3801	5.776	2.266	1.476
3802	5.776	9.516	1.476
3803	5.776	4.984	1.476
3804	5.776	10.875	1.476
3805	5.776	2.719	1.476
3806	5.776	9.969	1.476
3807	5.776	4.531	1.476
3808	5.776	10.422	1.476
3809	5.776	3.172	1.476
3810	5.776	4.078	1.476
3811	5.776	3.625	1.476
3812	10.757	13.594	1.838
3813	11.250	13.594	1.838
3814	5.776	0.000	1.838
3815	5.776	0.453	1.838
3816	5.776	0.906	1.838
3817	5.776	1.359	1.838
3818	5.776	1.813	1.838
3819	5.776	2.266	1.838
3820	5.776	2.719	1.838
3821	5.776	3.172	1.838
3822	5.776	3.625	1.838
3823	5.776	4.078	1.838
3824	5.776	4.531	1.838
3825	5.776	4.984	1.838
3826	5.776	5.438	1.838
3827	5.776	5.891	1.838
3828	5.776	6.344	1.838
3829	5.776	6.797	1.838
3830	5.776	7.250	1.838
3831	5.776	7.703	1.838
3832	5.776	8.156	1.838

3833	5.776	8.609	1.838
3834	5.776	9.063	1.838
3835	5.776	9.516	1.838
3836	5.776	9.969	1.838
3837	5.776	10.422	1.838
3838	5.776	10.875	1.838
3839	5.776	11.328	1.838
3840	5.776	11.781	1.838
3841	5.776	12.234	1.838
3842	5.776	12.688	1.838
3843	5.776	13.141	1.838
3844	5.963	13.141	1.838
3845	6.151	13.141	1.838
3846	6.338	13.141	1.838
3847	7.435	13.141	0.538
3848	7.132	13.141	0.538
3849	7.738	13.141	0.538
3850	6.829	13.141	0.538
3851	7.738	13.141	0.863
3852	7.914	13.141	0.538
3853	6.526	13.141	0.538
3854	7.738	13.141	1.188
3855	8.091	13.141	0.538
3856	6.526	13.141	0.863
3857	7.738	13.141	1.513
3858	8.268	13.141	0.538
3859	7.738	13.141	1.838
3860	7.435	13.141	1.838
3861	8.122	13.141	1.838
3862	6.526	13.141	1.188
3863	7.132	13.141	1.838
3864	8.507	13.141	1.838
3865	6.829	13.141	1.838
3866	6.526	13.141	1.838
3867	6.526	13.141	1.513
3868	8.892	13.141	1.838
3869	8.653	13.141	0.863
3870	8.445	13.141	0.538
3871	8.861	13.141	1.188
3872	9.069	13.141	1.513
3873	9.277	13.141	1.838
3874	9.770	13.141	1.838
3875	10.264	13.141	1.838
3876	10.757	13.141	1.838
3877	11.250	13.141	1.838
3878	5.963	0.000	1.838
3879	5.963	0.453	1.838
3880	5.963	0.906	1.838
3881	5.963	1.359	1.838
3882	5.963	1.813	1.838
3883	5.963	2.266	1.838
3884	5.963	2.719	1.838
3885	5.963	3.172	1.838
3886	5.963	3.625	1.838
3887	5.963	4.078	1.838
3888	5.963	4.531	1.838
3889	5.963	4.984	1.838
3890	5.963	5.438	1.838
3891	5.963	5.891	1.838
3892	5.963	6.344	1.838
3893	5.963	6.797	1.838
3894	5.963	7.250	1.838

3895	5.963	7.703	1.838
3896	5.963	8.156	1.838
3897	5.963	8.609	1.838
3898	5.963	9.063	1.838
3899	5.963	9.516	1.838
3900	5.963	9.969	1.838
3901	5.963	10.422	1.838
3902	5.963	10.875	1.838
3903	5.963	11.328	1.838
3904	5.963	11.781	1.838
3905	5.963	12.234	1.838
3906	5.963	12.688	1.838
3907	6.151	12.688	1.838
3908	6.338	12.688	1.838
3909	6.526	12.688	1.838
3910	7.435	12.688	0.538
3911	7.132	12.688	0.538
3912	7.738	12.688	0.538
3913	6.829	12.688	0.538
3914	7.738	12.688	0.863
3915	7.914	12.688	0.538
3916	6.526	12.688	0.538
3917	7.738	12.688	1.188
3918	8.091	12.688	0.538
3919	6.526	12.688	0.863
3920	7.738	12.688	1.513
3921	8.268	12.688	0.538
3922	6.526	12.688	1.188
3923	7.738	12.688	1.838
3924	8.445	12.688	0.538
3925	7.435	12.688	1.838
3926	8.122	12.688	1.838
3927	7.132	12.688	1.838
3928	8.507	12.688	1.838
3929	6.526	12.688	1.513
3930	6.829	12.688	1.838
3931	8.892	12.688	1.838
3932	9.277	12.688	1.838
3933	8.653	12.688	0.863
3934	8.861	12.688	1.188
3935	9.069	12.688	1.513
3936	9.770	12.688	1.838
3937	10.264	12.688	1.838
3938	10.757	12.688	1.838
3939	11.250	12.688	1.838
3940	7.132	0.000	1.188
3941	8.299	0.000	1.188
3942	6.151	0.000	1.838
3943	6.151	0.453	1.838
3944	6.151	0.906	1.838
3945	6.151	1.359	1.838
3946	6.151	1.813	1.838
3947	6.151	2.266	1.838
3948	6.151	2.719	1.838
3949	6.151	3.172	1.838
3950	6.151	3.625	1.838
3951	6.151	4.078	1.838
3952	6.151	4.531	1.838
3953	6.151	4.984	1.838
3954	6.151	5.438	1.838
3955	6.151	5.891	1.838
3956	6.151	6.344	1.838

3957	6.151	6.797	1.838
3958	6.151	7.250	1.838
3959	6.151	7.703	1.838
3960	6.151	8.156	1.838
3961	6.151	8.609	1.838
3962	6.151	9.063	1.838
3963	6.151	9.516	1.838
3964	6.151	9.969	1.838
3965	6.151	10.422	1.838
3966	6.151	10.875	1.838
3967	6.151	11.328	1.838
3968	6.151	11.781	1.838
3969	6.151	12.234	1.838
3970	6.338	12.234	1.838
3971	6.526	12.234	1.838
3972	6.526	12.234	1.513
3973	6.829	12.234	1.838
3974	7.435	12.234	0.538
3975	7.132	12.234	0.538
3976	7.738	12.234	0.538
3977	6.829	12.234	0.538
3978	7.738	12.234	0.863
3979	7.914	12.234	0.538
3980	6.526	12.234	0.538
3981	7.738	12.234	1.188
3982	8.091	12.234	0.538
3983	6.526	12.234	0.863
3984	7.738	12.234	1.513
3985	8.268	12.234	0.538
3986	6.526	12.234	1.188
3987	7.738	12.234	1.838
3988	8.445	12.234	0.538
3989	7.435	12.234	1.838
3990	8.122	12.234	1.838
3991	8.653	12.234	0.863
3992	7.132	12.234	1.838
3993	8.507	12.234	1.838
3994	8.892	12.234	1.838
3995	9.277	12.234	1.838
3996	9.069	12.234	1.513
3997	9.770	12.234	1.838
3998	8.861	12.234	1.188
3999	10.264	12.234	1.838
4000	10.757	12.234	1.838
4001	11.250	12.234	1.838
4002	6.829	0.000	1.188
4003	6.829	0.000	1.513
4004	7.132	0.000	1.513
4005	7.132	0.000	0.863
4006	6.829	0.000	0.863
4007	7.435	0.000	1.188
4008	7.435	0.000	1.513
4009	7.435	0.000	0.863
4010	8.018	0.000	1.188
4011	8.070	0.000	1.513
4012	8.403	0.000	1.513
4013	8.195	0.000	0.863
4014	7.966	0.000	0.863
4015	8.580	0.000	1.188
4016	8.736	0.000	1.513
4017	8.424	0.000	0.863
4018	6.338	0.000	1.838

4019	6.338	0.453	1.838
4020	6.338	0.906	1.838
4021	6.338	1.359	1.838
4022	6.338	1.813	1.838
4023	6.338	2.266	1.838
4024	6.338	2.719	1.838
4025	6.338	3.172	1.838
4026	6.338	3.625	1.838
4027	6.338	4.078	1.838
4028	6.338	4.531	1.838
4029	6.338	4.984	1.838
4030	6.338	5.438	1.838
4031	6.338	5.891	1.838
4032	6.338	6.344	1.838
4033	6.338	6.797	1.838
4034	6.338	7.250	1.838
4035	6.338	7.703	1.838
4036	6.338	8.156	1.838
4037	6.338	8.609	1.838
4038	6.338	9.063	1.838
4039	6.338	9.516	1.838
4040	6.338	9.969	1.838
4041	6.338	10.422	1.838
4042	6.338	10.875	1.838
4043	6.338	11.328	1.838
4044	6.338	11.781	1.838
4045	6.526	11.781	1.838
4046	6.526	11.781	1.513
4047	6.829	11.781	1.838
4048	6.526	11.781	1.188
4049	7.132	11.781	1.838
4050	7.435	11.781	0.538
4051	7.132	11.781	0.538
4052	7.738	11.781	0.538
4053	6.829	11.781	0.538
4054	7.738	11.781	0.863
4055	7.914	11.781	0.538
4056	6.526	11.781	0.538
4057	7.738	11.781	1.188
4058	8.091	11.781	0.538
4059	6.526	11.781	0.863
4060	7.738	11.781	1.513
4061	8.268	11.781	0.538
4062	7.738	11.781	1.838
4063	8.445	11.781	0.538
4064	7.435	11.781	1.838
4065	8.122	11.781	1.838
4066	8.653	11.781	0.863
4067	8.507	11.781	1.838
4068	8.861	11.781	1.188
4069	8.892	11.781	1.838
4070	9.277	11.781	1.838
4071	9.069	11.781	1.513
4072	9.770	11.781	1.838
4073	10.264	11.781	1.838
4074	10.757	11.781	1.838
4075	11.250	11.781	1.838
4076	6.526	0.000	1.188
4077	6.526	0.000	1.513
4078	6.526	0.000	0.863
4079	6.526	0.000	1.838
4080	6.829	0.000	1.838

4081	7.132	0.000	1.838
4082	7.435	0.000	1.838
4083	7.132	0.000	0.538
4084	6.829	0.000	0.538
4085	7.435	0.000	0.538
4086	6.526	0.000	0.538
4087	7.738	0.000	1.188
4088	7.738	0.000	1.513
4089	7.738	0.000	0.863
4090	7.738	0.000	1.838
4091	7.738	0.000	0.538
4092	8.122	0.000	1.838
4093	8.507	0.000	1.838
4094	8.892	0.000	1.838
4095	8.091	0.000	0.538
4096	7.914	0.000	0.538
4097	8.268	0.000	0.538
4098	8.861	0.000	1.188
4099	9.069	0.000	1.513
4100	8.653	0.000	0.863
4101	9.277	0.000	1.838
4102	8.445	0.000	0.538
4103	9.770	0.000	1.838
4104	10.264	0.000	1.838
4105	10.757	0.000	1.838
4106	11.250	0.000	1.838
4107	6.526	0.453	1.838
4108	6.526	0.906	1.838
4109	6.526	1.359	1.838
4110	6.526	1.813	1.838
4111	6.526	2.266	1.838
4112	6.526	2.719	1.838
4113	6.526	3.172	1.838
4114	6.526	3.625	1.838
4115	6.526	4.078	1.838
4116	6.526	4.531	1.838
4117	6.526	4.984	1.838
4118	6.526	5.438	1.838
4119	6.526	5.891	1.838
4120	6.526	6.344	1.838
4121	6.526	6.797	1.838
4122	6.526	7.250	1.838
4123	6.526	7.703	1.838
4124	6.526	8.156	1.838
4125	6.526	8.609	1.838
4126	6.526	9.063	1.838
4127	6.526	9.516	1.838
4128	6.526	9.969	1.838
4129	6.526	10.422	1.838
4130	6.526	10.875	1.838
4131	6.526	11.328	1.838
4132	6.526	11.328	1.513
4133	6.829	11.328	1.838
4134	6.526	11.328	1.188
4135	7.132	11.328	1.838
4136	6.526	11.328	0.863
4137	7.435	11.328	1.838
4138	7.435	11.328	0.538
4139	7.132	11.328	0.538
4140	7.738	11.328	0.538
4141	6.829	11.328	0.538
4142	7.738	11.328	0.863

4143	7.914	11.328	0.538
4144	6.526	11.328	0.538
4145	7.738	11.328	1.188
4146	8.091	11.328	0.538
4147	7.738	11.328	1.513
4148	8.268	11.328	0.538
4149	7.738	11.328	1.838
4150	8.445	11.328	0.538
4151	8.122	11.328	1.838
4152	8.653	11.328	0.863
4153	8.507	11.328	1.838
4154	8.861	11.328	1.188
4155	8.892	11.328	1.838
4156	9.069	11.328	1.513
4157	9.277	11.328	1.838
4158	9.770	11.328	1.838
4159	10.264	11.328	1.838
4160	10.757	11.328	1.838
4161	11.250	11.328	1.838
4162	6.526	0.453	1.188
4163	6.526	0.453	0.863
4164	6.526	0.453	1.513
4165	6.526	0.453	0.538
4166	6.829	0.453	1.838
4167	7.132	0.453	1.838
4168	7.435	0.453	1.838
4169	7.738	0.453	1.838
4170	7.132	0.453	0.538
4171	7.435	0.453	0.538
4172	6.829	0.453	0.538
4173	7.738	0.453	0.538
4174	7.738	0.453	1.188
4175	7.738	0.453	0.863
4176	7.738	0.453	1.513
4177	8.122	0.453	1.838
4178	7.914	0.453	0.538
4179	8.507	0.453	1.838
4180	8.892	0.453	1.838
4181	9.277	0.453	1.838
4182	8.091	0.453	0.538
4183	8.268	0.453	0.538
4184	8.445	0.453	0.538
4185	8.861	0.453	1.188
4186	9.069	0.453	1.513
4187	8.653	0.453	0.863
4188	9.770	0.453	1.838
4189	10.264	0.453	1.838
4190	10.757	0.453	1.838
4191	11.250	0.453	1.838
4192	6.526	0.906	1.513
4193	6.829	0.906	1.838
4194	6.526	1.359	1.513
4195	6.829	1.359	1.838
4196	6.526	1.813	1.513
4197	6.829	1.813	1.838
4198	6.526	2.266	1.513
4199	6.829	2.266	1.838
4200	6.526	2.719	1.513
4201	6.829	2.719	1.838
4202	6.526	3.172	1.513
4203	6.829	3.172	1.838
4204	6.526	3.625	1.513

4205	6.829	3.625	1.838
4206	6.526	4.078	1.513
4207	6.829	4.078	1.838
4208	6.526	4.531	1.513
4209	6.829	4.531	1.838
4210	6.526	4.984	1.513
4211	6.829	4.984	1.838
4212	6.526	5.438	1.513
4213	6.829	5.438	1.838
4214	6.526	5.891	1.513
4215	6.829	5.891	1.838
4216	6.526	6.344	1.513
4217	6.829	6.344	1.838
4218	6.526	6.797	1.513
4219	6.829	6.797	1.838
4220	6.526	7.250	1.513
4221	6.829	7.250	1.838
4222	6.526	7.703	1.513
4223	6.829	7.703	1.838
4224	6.526	8.156	1.513
4225	6.829	8.156	1.838
4226	6.526	8.609	1.513
4227	6.829	8.609	1.838
4228	6.526	9.063	1.513
4229	6.829	9.063	1.838
4230	6.526	9.516	1.513
4231	6.829	9.516	1.838
4232	6.526	9.969	1.513
4233	6.829	9.969	1.838
4234	6.526	10.422	1.513
4235	6.829	10.422	1.838
4236	6.526	10.875	1.513
4237	6.829	10.875	1.838
4238	6.526	10.875	1.188
4239	7.132	10.875	1.838
4240	6.526	10.875	0.863
4241	7.435	10.875	1.838
4242	6.526	10.875	0.538
4243	7.738	10.875	1.838
4244	7.435	10.875	0.538
4245	7.132	10.875	0.538
4246	7.738	10.875	0.538
4247	6.829	10.875	0.538
4248	7.738	10.875	0.863
4249	7.914	10.875	0.538
4250	7.738	10.875	1.188
4251	8.091	10.875	0.538
4252	7.738	10.875	1.513
4253	8.268	10.875	0.538
4254	8.445	10.875	0.538
4255	8.122	10.875	1.838
4256	8.653	10.875	0.863
4257	8.507	10.875	1.838
4258	8.861	10.875	1.188
4259	8.892	10.875	1.838
4260	9.069	10.875	1.513
4261	9.277	10.875	1.838
4262	9.770	10.875	1.838
4263	10.264	10.875	1.838
4264	10.757	10.875	1.838
4265	11.250	10.875	1.838
4266	6.526	0.906	1.188

4267	6.526	0.906	0.863
4268	6.526	0.906	0.538
4269	6.829	0.906	0.538
4270	7.132	0.906	1.838
4271	7.435	0.906	1.838
4272	7.738	0.906	1.838
4273	7.738	0.906	1.513
4274	8.122	0.906	1.838
4275	7.132	0.906	0.538
4276	7.435	0.906	0.538
4277	7.738	0.906	0.538
4278	7.738	0.906	0.863
4279	7.914	0.906	0.538
4280	7.738	0.906	1.188
4281	8.507	0.906	1.838
4282	8.091	0.906	0.538
4283	8.892	0.906	1.838
4284	9.277	0.906	1.838
4285	9.069	0.906	1.513
4286	9.770	0.906	1.838
4287	8.268	0.906	0.538
4288	8.445	0.906	0.538
4289	8.653	0.906	0.863
4290	8.861	0.906	1.188
4291	10.264	0.906	1.838
4292	10.757	0.906	1.838
4293	11.250	0.906	1.838
4294	6.526	1.359	1.188
4295	7.132	1.359	1.838
4296	6.526	1.813	1.188
4297	7.132	1.813	1.838
4298	6.526	2.266	1.188
4299	7.132	2.266	1.838
4300	6.526	2.719	1.188
4301	7.132	2.719	1.838
4302	6.526	3.172	1.188
4303	7.132	3.172	1.838
4304	6.526	3.625	1.188
4305	7.132	3.625	1.838
4306	6.526	4.078	1.188
4307	7.132	4.078	1.838
4308	6.526	4.531	1.188
4309	7.132	4.531	1.838
4310	6.526	4.984	1.188
4311	7.132	4.984	1.838
4312	6.526	5.438	1.188
4313	7.132	5.438	1.838
4314	6.526	5.891	1.188
4315	7.132	5.891	1.838
4316	6.526	6.344	1.188
4317	7.132	6.344	1.838
4318	6.526	6.797	1.188
4319	7.132	6.797	1.838
4320	6.526	7.250	1.188
4321	7.132	7.250	1.838
4322	6.526	7.703	1.188
4323	7.132	7.703	1.838
4324	6.526	8.156	1.188
4325	7.132	8.156	1.838
4326	6.526	8.609	1.188
4327	7.132	8.609	1.838
4328	6.526	9.063	1.188

4329	7.132	9.063	1.838
4330	6.526	9.516	1.188
4331	7.132	9.516	1.838
4332	6.526	9.969	1.188
4333	7.132	9.969	1.838
4334	6.526	10.422	1.188
4335	7.132	10.422	1.838
4336	6.526	10.422	0.863
4337	7.435	10.422	1.838
4338	6.526	10.422	0.538
4339	7.738	10.422	1.838
4340	6.829	10.422	0.538
4341	7.738	10.422	1.513
4342	8.122	10.422	1.838
4343	7.435	10.422	0.538
4344	7.132	10.422	0.538
4345	7.738	10.422	0.538
4346	7.738	10.422	0.863
4347	7.914	10.422	0.538
4348	7.738	10.422	1.188
4349	8.091	10.422	0.538
4350	8.268	10.422	0.538
4351	8.445	10.422	0.538
4352	8.653	10.422	0.863
4353	8.507	10.422	1.838
4354	8.861	10.422	1.188
4355	8.892	10.422	1.838
4356	9.069	10.422	1.513
4357	9.277	10.422	1.838
4358	9.770	10.422	1.838
4359	10.264	10.422	1.838
4360	10.757	10.422	1.838
4361	11.250	10.422	1.838
4362	6.526	1.359	0.863
4363	6.526	1.359	0.538
4364	6.829	1.359	0.538
4365	7.132	1.359	0.538
4366	7.435	1.359	1.838
4367	7.738	1.359	1.838
4368	7.738	1.359	1.513
4369	8.122	1.359	1.838
4370	7.738	1.359	1.188
4371	8.507	1.359	1.838
4372	7.435	1.359	0.538
4373	7.738	1.359	0.538
4374	7.738	1.359	0.863
4375	7.914	1.359	0.538
4376	8.091	1.359	0.538
4377	8.892	1.359	1.838
4378	8.268	1.359	0.538
4379	9.277	1.359	1.838
4380	9.069	1.359	1.513
4381	9.770	1.359	1.838
4382	8.861	1.359	1.188
4383	10.264	1.359	1.838
4384	8.445	1.359	0.538
4385	8.653	1.359	0.863
4386	10.757	1.359	1.838
4387	11.250	1.359	1.838
4388	6.526	1.813	0.863
4389	7.435	1.813	1.838
4390	6.526	2.266	0.863

4391	7.435	2.266	1.838
4392	6.526	2.719	0.863
4393	7.435	2.719	1.838
4394	6.526	3.172	0.863
4395	7.435	3.172	1.838
4396	6.526	3.625	0.863
4397	7.435	3.625	1.838
4398	6.526	4.078	0.863
4399	7.435	4.078	1.838
4400	6.526	4.531	0.863
4401	7.435	4.531	1.838
4402	6.526	4.984	0.863
4403	7.435	4.984	1.838
4404	6.526	5.438	0.863
4405	7.435	5.438	1.838
4406	6.526	5.891	0.863
4407	7.435	5.891	1.838
4408	6.526	6.344	0.863
4409	7.435	6.344	1.838
4410	6.526	6.797	0.863
4411	7.435	6.797	1.838
4412	6.526	7.250	0.863
4413	7.435	7.250	1.838
4414	6.526	7.703	0.863
4415	7.435	7.703	1.838
4416	6.526	8.156	0.863
4417	7.435	8.156	1.838
4418	6.526	8.609	0.863
4419	7.435	8.609	1.838
4420	6.526	9.063	0.863
4421	7.435	9.063	1.838
4422	6.526	9.516	0.863
4423	7.435	9.516	1.838
4424	6.526	9.969	0.863
4425	7.435	9.969	1.838
4426	6.526	9.969	0.538
4427	7.738	9.969	1.838
4428	6.829	9.969	0.538
4429	7.738	9.969	1.513
4430	8.122	9.969	1.838
4431	7.132	9.969	0.538
4432	7.738	9.969	1.188
4433	8.507	9.969	1.838
4434	7.435	9.969	0.538
4435	7.738	9.969	0.538
4436	7.738	9.969	0.863
4437	7.914	9.969	0.538
4438	8.091	9.969	0.538
4439	8.268	9.969	0.538
4440	8.445	9.969	0.538
4441	8.653	9.969	0.863
4442	8.861	9.969	1.188
4443	8.892	9.969	1.838
4444	9.069	9.969	1.513
4445	9.277	9.969	1.838
4446	9.770	9.969	1.838
4447	10.264	9.969	1.838
4448	10.757	9.969	1.838
4449	11.250	9.969	1.838
4450	6.526	1.813	0.538
4451	6.829	1.813	0.538
4452	7.132	1.813	0.538

4453	7.435	1.813	0.538
4454	7.738	1.813	1.838
4455	7.738	1.813	1.513
4456	8.122	1.813	1.838
4457	7.738	1.813	1.188
4458	8.507	1.813	1.838
4459	7.738	1.813	0.863
4460	8.892	1.813	1.838
4461	7.738	1.813	0.538
4462	7.914	1.813	0.538
4463	8.091	1.813	0.538
4464	8.268	1.813	0.538
4465	9.277	1.813	1.838
4466	8.445	1.813	0.538
4467	9.069	1.813	1.513
4468	9.770	1.813	1.838
4469	8.861	1.813	1.188
4470	10.264	1.813	1.838
4471	8.653	1.813	0.863
4472	10.757	1.813	1.838
4473	11.250	1.813	1.838
4474	6.526	2.266	0.538
4475	7.738	2.266	1.838
4476	6.526	2.719	0.538
4477	7.738	2.719	1.838
4478	6.526	3.172	0.538
4479	7.738	3.172	1.838
4480	6.526	3.625	0.538
4481	7.738	3.625	1.838
4482	6.526	4.078	0.538
4483	7.738	4.078	1.838
4484	6.526	4.531	0.538
4485	7.738	4.531	1.838
4486	6.526	4.984	0.538
4487	7.738	4.984	1.838
4488	6.526	5.438	0.538
4489	7.738	5.438	1.838
4490	6.526	5.891	0.538
4491	7.738	5.891	1.838
4492	6.526	6.344	0.538
4493	7.738	6.344	1.838
4494	6.526	6.797	0.538
4495	7.738	6.797	1.838
4496	6.526	7.250	0.538
4497	7.738	7.250	1.838
4498	6.526	7.703	0.538
4499	7.738	7.703	1.838
4500	6.526	8.156	0.538
4501	7.738	8.156	1.838
4502	6.526	8.609	0.538
4503	7.738	8.609	1.838
4504	6.526	9.063	0.538
4505	7.738	9.063	1.838
4506	6.526	9.516	0.538
4507	7.738	9.516	1.838
4508	6.829	9.516	0.538
4509	7.738	9.516	1.513
4510	8.122	9.516	1.838
4511	7.132	9.516	0.538
4512	7.738	9.516	1.188
4513	8.507	9.516	1.838
4514	7.435	9.516	0.538

4515	7.738	9.516	0.863
4516	8.892	9.516	1.838
4517	7.738	9.516	0.538
4518	7.914	9.516	0.538
4519	8.091	9.516	0.538
4520	8.268	9.516	0.538
4521	8.445	9.516	0.538
4522	8.653	9.516	0.863
4523	8.861	9.516	1.188
4524	9.069	9.516	1.513
4525	9.277	9.516	1.838
4526	9.770	9.516	1.838
4527	10.264	9.516	1.838
4528	10.757	9.516	1.838
4529	11.250	9.516	1.838
4530	6.829	2.266	0.538
4531	7.132	2.266	0.538
4532	7.435	2.266	0.538
4533	7.738	2.266	0.538
4534	7.738	2.266	1.513
4535	8.122	2.266	1.838
4536	7.738	2.266	1.188
4537	8.507	2.266	1.838
4538	7.738	2.266	0.863
4539	8.892	2.266	1.838
4540	9.277	2.266	1.838
4541	7.914	2.266	0.538
4542	8.091	2.266	0.538
4543	8.268	2.266	0.538
4544	8.445	2.266	0.538
4545	9.069	2.266	1.513
4546	9.770	2.266	1.838
4547	8.653	2.266	0.863
4548	8.861	2.266	1.188
4549	10.264	2.266	1.838
4550	10.757	2.266	1.838
4551	11.250	2.266	1.838
4552	11.250	9.063	1.838
4553	11.250	2.719	1.838
4554	11.250	8.609	1.838
4555	11.250	3.172	1.838
4556	11.250	8.156	1.838
4557	11.250	3.625	1.838
4558	11.250	7.703	1.838
4559	11.250	4.078	1.838
4560	11.250	7.250	1.838
4561	11.250	4.531	1.838
4562	11.250	6.797	1.838
4563	11.250	4.984	1.838
4564	11.250	6.344	1.838
4565	11.250	5.438	1.838
4566	11.250	5.891	1.838
4567	6.829	2.719	0.538
4568	7.738	2.719	1.513
4569	8.122	2.719	1.838
4570	6.829	3.172	0.538
4571	7.738	3.172	1.513
4572	8.122	3.172	1.838
4573	6.829	3.625	0.538
4574	7.738	3.625	1.513
4575	8.122	3.625	1.838
4576	6.829	4.078	0.538

4577	7.738	4.078	1.513
4578	8.122	4.078	1.838
4579	6.829	4.531	0.538
4580	7.738	4.531	1.513
4581	8.122	4.531	1.838
4582	6.829	4.984	0.538
4583	7.738	4.984	1.513
4584	8.122	4.984	1.838
4585	6.829	5.438	0.538
4586	7.738	5.438	1.513
4587	8.122	5.438	1.838
4588	6.829	5.891	0.538
4589	7.738	5.891	1.513
4590	8.122	5.891	1.838
4591	6.829	6.344	0.538
4592	7.738	6.344	1.513
4593	8.122	6.344	1.838
4594	6.829	6.797	0.538
4595	7.738	6.797	1.513
4596	8.122	6.797	1.838
4597	6.829	7.250	0.538
4598	7.738	7.250	1.513
4599	8.122	7.250	1.838
4600	6.829	7.703	0.538
4601	7.738	7.703	1.513
4602	8.122	7.703	1.838
4603	6.829	8.156	0.538
4604	7.738	8.156	1.513
4605	8.122	8.156	1.838
4606	6.829	8.609	0.538
4607	7.738	8.609	1.513
4608	8.122	8.609	1.838
4609	6.829	9.063	0.538
4610	7.738	9.063	1.513
4611	8.122	9.063	1.838
4612	7.132	9.063	0.538
4613	7.738	9.063	1.188
4614	8.507	9.063	1.838
4615	7.435	9.063	0.538
4616	7.738	9.063	0.863
4617	8.892	9.063	1.838
4618	7.738	9.063	0.538
4619	9.277	9.063	1.838
4620	7.914	9.063	0.538
4621	8.091	9.063	0.538
4622	8.268	9.063	0.538
4623	8.445	9.063	0.538
4624	8.653	9.063	0.863
4625	8.861	9.063	1.188
4626	9.069	9.063	1.513
4627	9.770	9.063	1.838
4628	10.264	9.063	1.838
4629	10.757	9.063	1.838
4630	7.132	2.719	0.538
4631	7.435	2.719	0.538
4632	7.738	2.719	0.538
4633	7.738	2.719	0.863
4634	7.914	2.719	0.538
4635	7.738	2.719	1.188
4636	8.507	2.719	1.838
4637	8.892	2.719	1.838
4638	9.277	2.719	1.838

4639	9.069	2.719	1.513
4640	9.770	2.719	1.838
4641	8.091	2.719	0.538
4642	8.268	2.719	0.538
4643	8.445	2.719	0.538
4644	8.653	2.719	0.863
4645	8.861	2.719	1.188
4646	10.264	2.719	1.838
4647	10.757	2.719	1.838
4648	10.757	8.609	1.838
4649	10.757	3.172	1.838
4650	10.757	8.156	1.838
4651	10.757	3.625	1.838
4652	10.757	7.703	1.838
4653	10.757	4.078	1.838
4654	10.757	7.250	1.838
4655	10.757	4.531	1.838
4656	10.757	6.797	1.838
4657	10.757	4.984	1.838
4658	10.757	6.344	1.838
4659	10.757	5.438	1.838
4660	10.757	5.891	1.838
4661	7.132	3.172	0.538
4662	7.738	3.172	1.188
4663	8.507	3.172	1.838
4664	7.132	3.625	0.538
4665	7.738	3.625	1.188
4666	8.507	3.625	1.838
4667	7.132	4.078	0.538
4668	7.738	4.078	1.188
4669	8.507	4.078	1.838
4670	7.132	4.531	0.538
4671	7.738	4.531	1.188
4672	8.507	4.531	1.838
4673	7.132	4.984	0.538
4674	7.738	4.984	1.188
4675	8.507	4.984	1.838
4676	7.132	5.438	0.538
4677	7.738	5.438	1.188
4678	8.507	5.438	1.838
4679	7.132	5.891	0.538
4680	7.738	5.891	1.188
4681	8.507	5.891	1.838
4682	7.132	6.344	0.538
4683	7.738	6.344	1.188
4684	8.507	6.344	1.838
4685	7.132	6.797	0.538
4686	7.738	6.797	1.188
4687	8.507	6.797	1.838
4688	7.132	7.250	0.538
4689	7.738	7.250	1.188
4690	8.507	7.250	1.838
4691	7.132	7.703	0.538
4692	7.738	7.703	1.188
4693	8.507	7.703	1.838
4694	7.132	8.156	0.538
4695	7.738	8.156	1.188
4696	8.507	8.156	1.838
4697	7.132	8.609	0.538
4698	7.738	8.609	1.188
4699	8.507	8.609	1.838
4700	7.435	8.609	0.538

4701	7.738	8.609	0.863
4702	8.892	8.609	1.838
4703	7.738	8.609	0.538
4704	9.277	8.609	1.838
4705	7.914	8.609	0.538
4706	9.069	8.609	1.513
4707	9.770	8.609	1.838
4708	8.091	8.609	0.538
4709	8.268	8.609	0.538
4710	8.445	8.609	0.538
4711	8.653	8.609	0.863
4712	8.861	8.609	1.188
4713	10.264	8.609	1.838
4714	7.435	3.172	0.538
4715	7.738	3.172	0.538
4716	7.738	3.172	0.863
4717	7.914	3.172	0.538
4718	8.091	3.172	0.538
4719	8.892	3.172	1.838
4720	9.277	3.172	1.838
4721	9.069	3.172	1.513
4722	9.770	3.172	1.838
4723	8.861	3.172	1.188
4724	10.264	3.172	1.838
4725	8.268	3.172	0.538
4726	8.445	3.172	0.538
4727	8.653	3.172	0.863
4728	10.264	8.156	1.838
4729	10.264	3.625	1.838
4730	10.264	7.703	1.838
4731	10.264	4.078	1.838
4732	10.264	7.250	1.838
4733	10.264	4.531	1.838
4734	10.264	6.797	1.838
4735	10.264	4.984	1.838
4736	10.264	6.344	1.838
4737	10.264	5.438	1.838
4738	10.264	5.891	1.838
4739	7.435	3.625	0.538
4740	7.738	3.625	0.863
4741	8.892	3.625	1.838
4742	7.435	4.078	0.538
4743	7.738	4.078	0.863
4744	8.892	4.078	1.838
4745	7.435	4.531	0.538
4746	7.738	4.531	0.863
4747	8.892	4.531	1.838
4748	7.435	4.984	0.538
4749	7.738	4.984	0.863
4750	8.892	4.984	1.838
4751	7.435	5.438	0.538
4752	7.738	5.438	0.863
4753	8.892	5.438	1.838
4754	7.435	5.891	0.538
4755	7.738	5.891	0.863
4756	8.892	5.891	1.838
4757	7.435	6.344	0.538
4758	7.738	6.344	0.863
4759	8.892	6.344	1.838
4760	7.435	6.797	0.538
4761	7.738	6.797	0.863
4762	8.892	6.797	1.838

4763	7.435	7.250	0.538
4764	7.738	7.250	0.863
4765	8.892	7.250	1.838
4766	7.435	7.703	0.538
4767	7.738	7.703	0.863
4768	8.892	7.703	1.838
4769	7.435	8.156	0.538
4770	7.738	8.156	0.863
4771	8.892	8.156	1.838
4772	7.738	8.156	0.538
4773	9.277	8.156	1.838
4774	7.914	8.156	0.538
4775	9.069	8.156	1.513
4776	9.770	8.156	1.838
4777	8.091	8.156	0.538
4778	8.861	8.156	1.188
4779	8.268	8.156	0.538
4780	8.445	8.156	0.538
4781	8.653	8.156	0.863
4782	7.738	3.625	0.538
4783	7.914	3.625	0.538
4784	8.091	3.625	0.538
4785	8.268	3.625	0.538
4786	9.277	3.625	1.838
4787	9.069	3.625	1.513
4788	9.770	3.625	1.838
4789	8.861	3.625	1.188
4790	8.653	3.625	0.863
4791	8.445	3.625	0.538
4792	9.770	7.703	1.838
4793	9.770	4.078	1.838
4794	9.770	7.250	1.838
4795	9.770	4.531	1.838
4796	9.770	6.797	1.838
4797	9.770	4.984	1.838
4798	9.770	6.344	1.838
4799	9.770	5.438	1.838
4800	9.770	5.891	1.838
4801	7.738	4.078	0.538
4802	9.277	4.078	1.838
4803	7.738	4.531	0.538
4804	9.277	4.531	1.838
4805	7.738	4.984	0.538
4806	9.277	4.984	1.838
4807	7.738	5.438	0.538
4808	9.277	5.438	1.838
4809	7.738	5.891	0.538
4810	9.277	5.891	1.838
4811	7.738	6.344	0.538
4812	9.277	6.344	1.838
4813	7.738	6.797	0.538
4814	9.277	6.797	1.838
4815	7.738	7.250	0.538
4816	9.277	7.250	1.838
4817	7.738	7.703	0.538
4818	9.277	7.703	1.838
4819	7.914	7.703	0.538
4820	9.069	7.703	1.513
4821	8.091	7.703	0.538
4822	8.861	7.703	1.188
4823	8.268	7.703	0.538
4824	8.653	7.703	0.863

4825	8.445	7.703	0.538
4826	7.914	4.078	0.538
4827	8.091	4.078	0.538
4828	8.268	4.078	0.538
4829	8.445	4.078	0.538
4830	9.069	4.078	1.513
4831	8.861	4.078	1.188
4832	8.653	4.078	0.863
4833	7.914	4.531	0.538
4834	9.069	4.531	1.513
4835	7.914	4.984	0.538
4836	9.069	4.984	1.513
4837	7.914	5.438	0.538
4838	9.069	5.438	1.513
4839	7.914	5.891	0.538
4840	9.069	5.891	1.513
4841	7.914	6.344	0.538
4842	9.069	6.344	1.513
4843	7.914	6.797	0.538
4844	9.069	6.797	1.513
4845	7.914	7.250	0.538
4846	9.069	7.250	1.513
4847	8.091	7.250	0.538
4848	8.861	7.250	1.188
4849	8.268	7.250	0.538
4850	8.653	7.250	0.863
4851	8.445	7.250	0.538
4852	8.091	4.531	0.538
4853	8.268	4.531	0.538
4854	8.445	4.531	0.538
4855	8.653	4.531	0.863
4856	8.861	4.531	1.188
4857	8.091	4.984	0.538
4858	8.861	4.984	1.188
4859	8.091	5.438	0.538
4860	8.861	5.438	1.188
4861	8.091	5.891	0.538
4862	8.861	5.891	1.188
4863	8.091	6.344	0.538
4864	8.861	6.344	1.188
4865	8.091	6.797	0.538
4866	8.861	6.797	1.188
4867	8.268	6.797	0.538
4868	8.653	6.797	0.863
4869	8.445	6.797	0.538
4870	8.268	4.984	0.538
4871	8.445	4.984	0.538
4872	8.653	4.984	0.863
4873	8.268	5.438	0.538
4874	8.653	5.438	0.863
4875	8.268	5.891	0.538
4876	8.653	5.891	0.863
4877	8.268	6.344	0.538
4878	8.653	6.344	0.863
4879	8.445	6.344	0.538
4880	8.445	5.438	0.538
4881	8.445	5.891	0.538

Materiales (placas)

TIPO	CAPA	YOUNG	POISS	DENS	ESPESOR	COEF_DILAT	TIP.HORM
1	E_DIAFRAGMA2	3.000e+07	2.000E-01	2.500E+0	4.000000E-01	1.000000E-05	2
2	E_DIAFRAGMA1	2.000e+07	2.000E-01	2.500E+0	3.000000E-01	1.000000E-05	1
3	E_ALMA_EXT	3.000e+07	2.000E-01	2.500E+0	2.000000E-01	1.000000E-05	2
4	E_ALMA_INTERM	3.000e+07	2.000E-01	2.500E+0	2.000000E-01	1.000000E-05	2
5	E_ALMA_INT	3.000e+07	2.000E-01	2.500E+0	4.000000E-01	1.000000E-05	2
6	E_VIGA_TABLERO	2.000e+07	2.000E-01	2.500E+0	4.000000E-01	1.000000E-05	1
7	E_LOSA_ACT	2.000e+07	2.000E-01	2.500E+0	3.000000E-01	1.000000E-05	1
8	E_VOLADIZOS	3.000e+07	2.000E-01	2.500E+0	2.500000E-01	1.000000E-05	2
9	E_LOSA1	3.000e+07	2.000E-01	2.500E+0	2.000000E-01	1.000000E-05	2
10	E_ALA_INF	3.000e+07	2.000E-01	2.500E+0	2.000000E-01	1.000000E-05	2

Tipos de hormigón:

Tipo	Fck (MPa)	Gc	Fyk (MPa)	Gs	Alfac	Recubrimiento (m)
1	20.000	1.600	400.000	1.200	0.850	0.050
2	50.000	1.500	500.000	1.100	1.000	0.050

Prescripciones (apoyos):

Nodo	Rest.U	Rest.V	Rest.W	Rest.Gx	Rest.Gy	Rest.Gz
393	1.000	1.000	1.000	0.000	0.000	0.000
397	0.000	0.000	1.000	0.000	0.000	0.000
773	1.000	1.000	1.000	0.000	0.000	0.000
808	0.000	0.000	1.000	0.000	0.000	0.000
1312	1.000	1.000	1.000	0.000	0.000	0.000
1320	0.000	0.000	1.000	0.000	0.000	0.000
1519	1.000	1.000	1.000	0.000	0.000	0.000
1563	0.000	0.000	1.000	0.000	0.000	0.000
1573	1.000	1.000	1.000	0.000	0.000	0.000
1810	1.000	1.000	1.000	0.000	0.000	0.000
1863	0.000	0.000	1.000	0.000	0.000	0.000
2110	1.000	1.000	1.000	0.000	0.000	0.000
2163	0.000	0.000	1.000	0.000	0.000	0.000
2410	1.000	1.000	1.000	0.000	0.000	0.000
2463	0.000	0.000	1.000	0.000	0.000	0.000
2710	1.000	1.000	1.000	0.000	0.000	0.000
2763	0.000	0.000	1.000	0.000	0.000	0.000
3070	1.000	1.000	1.000	0.000	0.000	0.000
3123	0.000	0.000	1.000	0.000	0.000	0.000
3217	0.000	0.000	1.000	0.000	0.000	0.000
3390	1.000	1.000	1.000	0.000	0.000	0.000
3456	0.000	0.000	1.000	0.000	0.000	0.000
3463	1.000	1.000	1.000	0.000	0.000	0.000
3539	0.000	0.000	1.000	0.000	0.000	0.000
3554	0.000	0.000	1.000	0.000	0.000	0.000
4083	1.000	1.000	1.000	0.000	0.000	0.000
4102	1.000	1.000	1.000	0.000	0.000	0.000

Estados de carga:

E.Carga	Título
1	PESO PROPIO
2	PRUEBA DE CARGA

Peso Propio:

E.Carga	Fx	Fy	Fz	CoefX	CoefY	CoefZ	Coef0
1	0.000	0.000	-1.000	0.000	0.000	0.000	1.000

Cargas puntuales nodales:

Est.Carga	Nodo	Fx (kN)	Fy (kN)	Fz (kN)	Mx (kN.m)	My (kN.m)	Mz (kN.m)
2	400	0.000	0.000	-35.000	0.000	0.000	0.000
2	890	0.000	0.000	-35.000	0.000	0.000	0.000
2	409	0.000	0.000	-47.500	0.000	0.000	0.000
2	412	0.000	0.000	-47.500	0.000	0.000	0.000
2	899	0.000	0.000	-47.500	0.000	0.000	0.000
2	902	0.000	0.000	-47.500	0.000	0.000	0.000
2	418	0.000	0.000	-47.500	0.000	0.000	0.000
2	421	0.000	0.000	-47.500	0.000	0.000	0.000
2	908	0.000	0.000	-47.500	0.000	0.000	0.000
2	911	0.000	0.000	-47.500	0.000	0.000	0.000
2	430	0.000	0.000	-35.000	0.000	0.000	0.000
2	920	0.000	0.000	-35.000	0.000	0.000	0.000

RESULTADOS ESTADO DE CARGA 1

PESO PROPIO

Reacciones:

Nodo	Rfx (kN)	Rfy (kN)	Rfz (kN)	Rmx (kN.m)	Rmy (kN.m)	Rmz (kN.m)
393	-69.549	-73.700	197.552	0.000	0.000	-0.000
397	-0.000	0.000	259.712	0.000	-0.000	0.000
773	-46.892	-309.730	310.182	0.000	-0.000	0.000
808	0.000	-0.000	347.661	0.000	-0.000	-0.000
1312	5.171	49.181	125.962	0.000	-0.000	0.000
1320	-0.000	0.000	121.527	0.000	-0.000	-0.000
1519	-36.374	78.368	141.581	-0.000	0.000	0.000
1563	-0.000	0.000	188.006	0.000	-0.000	-0.000
1573	-0.071	4.558	145.431	0.000	-0.000	0.000
1810	23.360	94.654	164.409	-0.000	0.000	-0.000
1863	-0.000	0.000	183.774	0.000	-0.000	-0.000
2110	8.368	104.056	197.426	-0.000	0.000	-0.000
2163	0.000	-0.000	184.590	0.000	-0.000	0.000
2410	2.232	107.515	209.092	0.000	-0.000	-0.000
2463	-0.000	-0.000	185.312	0.000	-0.000	0.000
2710	1.202	104.680	209.522	0.000	0.000	-0.000
2763	-0.000	0.000	184.410	-0.000	0.000	0.000
3070	3.816	95.167	204.752	0.000	-0.000	-0.000
3123	-0.000	0.000	183.369	-0.000	0.000	0.000
3217	0.000	0.000	187.692	0.000	0.000	-0.000
3390	13.317	76.687	200.831	-0.000	-0.000	-0.000
3456	-0.000	-0.000	121.930	0.000	0.000	-0.000
3463	-17.661	48.667	148.612	0.000	-0.000	-0.000
3539	-0.000	0.000	349.193	0.000	-0.000	0.000
3554	-0.000	0.000	258.414	0.000	-0.000	-0.000
4083	43.729	-308.115	320.902	0.000	-0.000	-0.000
4102	69.352	-71.989	195.132	-0.000	0.000	0.000
Total:	-0.000	0.000	5526.974	0.000	-0.000	0.000

RESULTADOS ESTADO DE CARGA 2

PRUEBA DE CARGA

Desplazamientos de nodos:

Nodo	Ux (m)	Uy (m)	Uz (m)	Gx (rad)	Gy (rad)	Gz (rad)
1	-6.33404E-06	2.13845E-04	-9.81532E-05	-1.94343E-04	-3.00431E-05	0.00000E+00
2	-5.55409E-06	2.12534E-04	-1.86239E-04	-1.94292E-04	-3.03550E-05	0.00000E+00
3	-7.62925E-06	2.14354E-04	-2.74167E-04	-1.93539E-04	-3.06699E-05	0.00000E+00
4	-5.57230E-06	2.12011E-04	-3.61419E-04	-1.91161E-04	-3.11656E-05	0.00000E+00
5	-6.58831E-06	2.13384E-04	-4.47088E-04	-1.86478E-04	-3.15945E-05	0.00000E+00
6	-3.38531E-06	2.09735E-04	-5.30040E-04	-1.79217E-04	-3.20447E-05	0.00000E+00
7	-3.90519E-06	2.09683E-04	-6.09155E-04	-1.69548E-04	-3.24261E-05	0.00000E+00
8	-4.80748E-07	2.05349E-04	-6.83429E-04	-1.57964E-04	-3.28903E-05	0.00000E+00
9	-6.00753E-07	2.04126E-04	-7.52140E-04	-1.45010E-04	-3.32898E-05	0.00000E+00
10	3.01199E-06	1.99641E-04	-8.14742E-04	-1.31075E-04	-3.37940E-05	0.00000E+00
11	3.67831E-06	1.97583E-04	-8.70892E-04	-1.16426E-04	-3.44439E-05	0.00000E+00
12	7.86144E-06	1.93099E-04	-9.20222E-04	-1.00982E-04	-3.51382E-05	0.00000E+00
13	9.66930E-06	1.90329E-04	-9.62331E-04	-8.44360E-05	-3.59716E-05	0.00000E+00
14	1.46931E-05	1.85724E-04	-9.96672E-04	-6.66286E-05	-3.69357E-05	0.00000E+00
15	1.75669E-05	1.82195E-04	-1.02260E-03	-4.73651E-05	-3.77301E-05	0.00000E+00
16	2.32285E-05	1.77425E-04	-1.03949E-03	-2.67821E-05	-3.85164E-05	0.00000E+00
17	2.67670E-05	1.73379E-04	-1.04686E-03	-5.45466E-06	-3.91626E-05	0.00000E+00
18	3.28471E-05	1.68757E-04	-1.04451E-03	1.59374E-05	-3.96048E-05	0.00000E+00
19	3.68496E-05	1.64724E-04	-1.03257E-03	3.67141E-05	-3.98998E-05	0.00000E+00
20	4.36302E-05	1.60776E-04	-1.01148E-03	5.63011E-05	-4.01714E-05	0.00000E+00
21	4.83974E-05	1.57063E-04	-9.81803E-04	7.45618E-05	-4.02523E-05	0.00000E+00
22	5.63659E-05	1.54030E-04	-9.44118E-04	9.16900E-05	-4.04336E-05	0.00000E+00
23	6.21883E-05	1.50578E-04	-8.98916E-04	1.07842E-04	-4.07198E-05	0.00000E+00
24	7.15139E-05	1.48399E-04	-8.46544E-04	1.23318E-04	-4.10071E-05	0.00000E+00
25	7.82160E-05	1.45041E-04	-7.87316E-04	1.38184E-04	-4.13956E-05	0.00000E+00
26	8.86335E-05	1.43802E-04	-7.21534E-04	1.52152E-04	-4.18374E-05	0.00000E+00
27	9.59184E-05	1.40593E-04	-6.49714E-04	1.64798E-04	-4.21644E-05	0.00000E+00
28	1.07089E-04	1.40536E-04	-5.72566E-04	1.75532E-04	-4.25160E-05	0.00000E+00
29	1.14991E-04	1.37839E-04	-4.91104E-04	1.83807E-04	-4.27338E-05	0.00000E+00
30	1.26926E-04	1.39059E-04	-4.06480E-04	1.89398E-04	-4.28895E-05	0.00000E+00
31	1.36099E-04	1.37273E-04	-3.19893E-04	1.92516E-04	-4.28804E-05	0.00000E+00
32	1.49072E-04	1.38837E-04	-2.32333E-04	1.93776E-04	-4.29124E-05	0.00000E+00
33	1.59349E-04	1.37701E-04	-1.44445E-04	1.94006E-04	-4.27805E-05	0.00000E+00
34	7.27373E-05	3.78882E-05	-6.48139E-04	-1.39844E-04	-6.34517E-05	-1.29459E-05
35	8.14231E-05	4.72518E-05	-7.10375E-04	-1.27820E-04	-7.37092E-05	-1.46496E-05
36	8.74858E-05	5.94902E-05	-7.64364E-04	-1.10578E-04	-7.82354E-05	-1.29644E-05
37	9.53480E-05	7.14441E-05	-8.11549E-04	-9.30678E-05	-8.51686E-05	-1.44837E-05
38	1.01385E-04	8.54916E-05	-8.49082E-04	-7.30128E-05	-8.68756E-05	-1.37270E-05
39	1.08675E-04	9.87382E-05	-8.78351E-04	-5.39051E-05	-8.95576E-05	-1.46492E-05
40	1.14512E-04	1.13080E-04	-8.98230E-04	-3.50796E-05	-8.82259E-05	-1.39780E-05
41	1.21167E-04	1.26376E-04	-9.10519E-04	-1.81095E-05	-8.86163E-05	-1.34645E-05
42	1.26381E-04	1.40310E-04	-9.14838E-04	-2.04725E-06	-8.75882E-05	-1.19162E-05
43	1.32149E-04	1.53649E-04	-9.12474E-04	1.40028E-05	-8.96312E-05	-1.06071E-05
44	1.36549E-04	1.67745E-04	-9.02116E-04	3.11830E-05	-9.03439E-05	-9.94477E-06
45	1.41700E-04	1.81693E-04	-8.84034E-04	5.01907E-05	-9.25644E-05	-9.61163E-06
46	1.45618E-04	1.95943E-04	-8.56488E-04	6.97072E-05	-9.10379E-05	-1.04693E-05
47	1.50654E-04	2.09787E-04	-8.20412E-04	9.01318E-05	-9.00480E-05	-1.01614E-05
48	1.54238E-04	2.22931E-04	-7.74564E-04	1.08242E-04	-8.42846E-05	-1.16902E-05
49	1.59409E-04	2.35143E-04	-7.21516E-04	1.26025E-04	-8.02463E-05	-1.05869E-05
50	1.62496E-04	2.45841E-04	-6.60068E-04	1.38812E-04	-7.11297E-05	-1.23397E-05
51	-4.51001E-06	2.13819E-04	-8.34484E-05	-1.94298E-04	-2.95579E-05	0.00000E+00
52	-7.44457E-06	2.15082E-04	-1.711379E-04	-1.93945E-04	-2.97712E-05	0.00000E+00
53	-5.79939E-06	2.12932E-04	-2.59147E-04	-1.93224E-04	-3.01925E-05	0.00000E+00

54	-7.35176E-06	2.14245E-04	-3.46252E-04	-1.90965E-04	-3.02940E-05	0.00000E+00
55	-4.33224E-06	2.10714E-04	-4.31807E-04	-1.86348E-04	-3.03876E-05	0.00000E+00
56	-4.84143E-06	2.11030E-04	-5.14683E-04	-1.79083E-04	-3.02552E-05	0.00000E+00
57	-1.50703E-06	2.06725E-04	-5.93692E-04	-1.69418E-04	-3.03393E-05	0.00000E+00
58	-1.59975E-06	2.05792E-04	-6.67867E-04	-1.57788E-04	-3.02441E-05	0.00000E+00
59	1.76487E-06	2.01068E-04	-7.36423E-04	-1.44766E-04	-3.04755E-05	0.00000E+00
60	2.20877E-06	1.98998E-04	-7.98875E-04	-1.30812E-04	-3.05460E-05	0.00000E+00
61	5.91127E-06	1.94079E-04	-8.54763E-04	-1.15963E-04	-3.09165E-05	0.00000E+00
62	7.33343E-06	1.91120E-04	-9.03794E-04	-1.00321E-04	-3.14419E-05	0.00000E+00
63	1.18269E-05	1.86050E-04	-9.45530E-04	-8.37943E-05	-3.21454E-05	0.00000E+00
64	1.44070E-05	1.82356E-04	-9.79466E-04	-6.59054E-05	-3.28187E-05	0.00000E+00
65	1.97193E-05	1.77192E-04	-1.00502E-03	-4.66326E-05	-3.36053E-05	0.00000E+00
66	2.31395E-05	1.72922E-04	-1.02155E-03	-2.62314E-05	-3.43036E-05	0.00000E+00
67	2.89067E-05	1.67791E-04	-1.02863E-03	-4.97808E-06	-3.48081E-05	0.00000E+00
68	3.27556E-05	1.63304E-04	-1.02604E-03	1.63363E-05	-3.53711E-05	0.00000E+00
69	3.89464E-05	1.58507E-04	-1.01394E-03	3.69217E-05	-3.57319E-05	0.00000E+00
70	4.33364E-05	1.54103E-04	-9.92697E-04	5.65017E-05	-3.59917E-05	0.00000E+00
71	5.04448E-05	1.49996E-04	-9.62912E-04	7.48216E-05	-3.63403E-05	0.00000E+00
72	5.58261E-05	1.45791E-04	-9.25105E-04	9.19020E-05	-3.66331E-05	0.00000E+00
73	6.42589E-05	1.42525E-04	-8.79725E-04	1.08218E-04	-3.70655E-05	0.00000E+00
74	7.06997E-05	1.38549E-04	-8.27156E-04	1.23857E-04	-3.76168E-05	0.00000E+00
75	8.03713E-05	1.36261E-04	-7.67643E-04	1.38701E-04	-3.84207E-05	0.00000E+00
76	8.75193E-05	1.32505E-04	-7.01604E-04	1.52695E-04	-3.90223E-05	0.00000E+00
77	9.80669E-05	1.31407E-04	-6.29494E-04	1.65347E-04	-3.99057E-05	0.00000E+00
78	1.05683E-04	1.28002E-04	-5.52087E-04	1.76033E-04	-4.05691E-05	0.00000E+00
79	1.16986E-04	1.28145E-04	-4.70363E-04	1.84258E-04	-4.14029E-05	0.00000E+00
80	1.25276E-04	1.25336E-04	-3.85554E-04	1.89711E-04	-4.19434E-05	0.00000E+00
81	1.37738E-04	1.26419E-04	-2.98857E-04	1.92622E-04	-4.23915E-05	0.00000E+00
82	1.47376E-04	1.24654E-04	-2.11264E-04	1.93731E-04	-4.24355E-05	0.00000E+00
83	1.61007E-04	1.25763E-04	-1.23403E-04	1.94154E-04	-4.24923E-05	0.00000E+00
84	5.34570E-05	7.94758E-05	-6.64021E-04	-7.00091E-05	-6.46874E-05	0.00000E+00
85	5.71657E-05	8.65858E-05	-7.26104E-04	-6.27458E-05	-7.43438E-05	0.00000E+00
86	4.71462E-05	7.51749E-05	-5.93524E-04	-7.42289E-05	-5.61345E-05	0.00000E+00
87	6.66806E-05	2.84327E-05	-5.82325E-04	-1.52387E-04	-5.94177E-05	-1.67826E-05
88	7.37646E-05	3.69371E-05	-6.37241E-04	-1.39257E-04	-6.21455E-05	0.00000E+00
89	7.92271E-05	4.74733E-05	-6.97540E-04	-1.26552E-04	-7.04159E-05	0.00000E+00
90	6.40333E-05	2.87755E-05	-5.71678E-04	-1.50778E-04	-5.83077E-05	0.00000E+00
91	6.27618E-05	9.27894E-05	-7.83538E-04	-5.28318E-05	-8.18283E-05	0.00000E+00
92	8.78844E-05	5.81973E-05	-7.51031E-04	-1.09974E-04	-7.45701E-05	0.00000E+00
93	6.73823E-05	1.01301E-04	-8.30613E-04	-4.12885E-05	-8.78006E-05	0.00000E+00
94	9.34135E-05	7.10254E-05	-7.96900E-04	-9.22495E-05	-8.04231E-05	0.00000E+00
95	7.37331E-05	1.08806E-04	-8.69970E-04	-2.87823E-05	-9.05164E-05	0.00000E+00
96	1.01370E-04	8.35715E-05	-8.34228E-04	-7.26958E-05	-8.27369E-05	0.00000E+00
97	7.96914E-05	1.17911E-04	-8.98512E-04	-1.66454E-05	-9.11203E-05	0.00000E+00
98	1.06904E-04	9.75108E-05	-8.62882E-04	-5.35692E-05	-8.55165E-05	0.00000E+00
99	8.68361E-05	1.25983E-04	-9.18892E-04	-5.70297E-06	-8.92110E-05	0.00000E+00
100	1.14258E-04	1.10703E-04	-8.82940E-04	-3.49988E-05	-8.57382E-05	0.00000E+00
101	9.31792E-05	1.34887E-04	-9.30007E-04	2.82300E-06	-8.66997E-05	0.00000E+00
102	1.19480E-04	1.24696E-04	-8.94993E-04	-1.80060E-05	-8.67551E-05	0.00000E+00
103	9.94256E-05	1.42961E-04	-9.34859E-04	8.60023E-06	-8.53802E-05	0.00000E+00
104	1.26016E-04	1.37939E-04	-8.99498E-04	-1.97151E-06	-8.65510E-05	0.00000E+00
105	1.03841E-04	1.51715E-04	-9.32210E-04	1.44268E-05	-8.77863E-05	0.00000E+00
106	1.30497E-04	1.51856E-04	-8.96772E-04	1.40773E-05	-8.77526E-05	0.00000E+00
107	1.08156E-04	1.60094E-04	-9.23221E-04	2.30922E-05	-9.14158E-05	0.00000E+00
108	1.36194E-04	1.65364E-04	-8.86456E-04	3.12487E-05	-8.77680E-05	0.00000E+00
109	1.11763E-04	1.68999E-04	-9.04934E-04	3.42735E-05	-9.43786E-05	0.00000E+00
110	1.40037E-04	1.79424E-04	-8.68045E-04	5.00239E-05	-8.84556E-05	0.00000E+00
111	1.16543E-04	1.77726E-04	-8.78252E-04	4.67405E-05	-9.49231E-05	0.00000E+00
112	1.45396E-04	1.93060E-04	-8.40912E-04	6.95213E-05	-8.66903E-05	0.00000E+00
113	1.21119E-04	1.86211E-04	-8.40691E-04	5.96761E-05	-9.32237E-05	0.00000E+00
114	1.48910E-04	2.06659E-04	-8.04925E-04	8.94635E-05	-8.51378E-05	0.00000E+00
115	1.27406E-04	1.94485E-04	-7.95025E-04	7.17403E-05	-8.84249E-05	0.00000E+00

116	1.54315E-04	2.19355E-04	-7.60192E-04	1.07743E-04	-8.02232E-05	0.00000E+00
117	1.33000E-04	2.01790E-04	-7.38906E-04	8.22695E-05	-8.19068E-05	0.00000E+00
118	1.57504E-04	2.31290E-04	-7.07574E-04	1.24875E-04	-7.66139E-05	0.00000E+00
119	1.40462E-04	2.08790E-04	-6.77612E-04	9.02422E-05	-7.34367E-05	0.00000E+00
120	1.63070E-04	2.41855E-04	-6.47872E-04	1.38296E-04	-6.91397E-05	0.00000E+00
121	1.67908E-04	2.55430E-04	-5.94523E-04	1.52049E-04	-6.72724E-05	-9.29698E-06
122	1.45698E-04	2.14261E-04	-6.07776E-04	9.52519E-05	-6.57624E-05	0.00000E+00
123	1.65686E-04	2.51320E-04	-5.82574E-04	1.50499E-04	-6.55533E-05	0.00000E+00
124	-6.77239E-06	2.16545E-04	-6.94201E-05	-1.93162E-04	-2.72008E-05	0.00000E+00
125	-5.68633E-06	2.15209E-04	-1.57110E-04	-1.93209E-04	-2.78320E-05	0.00000E+00
126	-8.18241E-06	2.16613E-04	-2.44533E-04	-1.92745E-04	-2.88055E-05	0.00000E+00
127	-5.06097E-06	2.13334E-04	-3.31561E-04	-1.90915E-04	-2.92420E-05	0.00000E+00
128	-5.81600E-06	2.13763E-04	-4.17138E-04	-1.86295E-04	-2.90453E-05	0.00000E+00
129	-2.44878E-06	2.09454E-04	-5.00021E-04	-1.79109E-04	-2.94174E-05	0.00000E+00
130	-2.48122E-06	2.08756E-04	-5.79104E-04	-1.69624E-04	-2.88882E-05	0.00000E+00
131	7.99340E-07	2.03822E-04	-6.53417E-04	-1.58174E-04	-2.86039E-05	0.00000E+00
132	1.15090E-06	2.01831E-04	-7.22114E-04	-1.45020E-04	-2.75205E-05	0.00000E+00
133	4.46632E-06	1.96545E-04	-7.84596E-04	-1.30831E-04	-2.74136E-05	0.00000E+00
134	5.57447E-06	1.93422E-04	-8.40585E-04	-1.15921E-04	-2.64830E-05	0.00000E+00
135	9.46775E-06	1.87846E-04	-8.89399E-04	-9.98498E-05	-2.68149E-05	0.00000E+00
136	1.17113E-05	1.83895E-04	-9.30795E-04	-8.26875E-05	-2.74479E-05	0.00000E+00
137	1.65655E-05	1.78162E-04	-9.64324E-04	-6.45994E-05	-2.86193E-05	0.00000E+00
138	1.98730E-05	1.73532E-04	-9.89282E-04	-4.56163E-05	-3.03162E-05	0.00000E+00
139	2.53872E-05	1.67784E-04	-1.00545E-03	-2.53946E-05	-3.11707E-05	0.00000E+00
140	2.92342E-05	1.62740E-04	-1.01223E-03	-4.37698E-06	-3.20135E-05	0.00000E+00
141	3.49793E-05	1.57104E-04	-1.00941E-03	1.66981E-05	-3.22304E-05	0.00000E+00
142	3.91023E-05	1.52027E-04	-9.97150E-04	3.70913E-05	-3.24309E-05	0.00000E+00
143	4.54223E-05	1.46882E-04	-9.75996E-04	5.63617E-05	-3.17702E-05	0.00000E+00
144	5.03337E-05	1.41893E-04	-9.46115E-04	7.48522E-05	-3.16208E-05	0.00000E+00
145	5.78369E-05	1.37500E-04	-9.08158E-04	9.25332E-05	-3.19737E-05	0.00000E+00
146	6.39301E-05	1.32728E-04	-8.62523E-04	1.09236E-04	-3.26032E-05	0.00000E+00
147	7.27783E-05	1.29232E-04	-8.09401E-04	1.24889E-04	-3.44468E-05	0.00000E+00
148	7.97726E-05	1.24783E-04	-7.49427E-04	1.39919E-04	-3.54338E-05	0.00000E+00
149	8.96772E-05	1.22483E-04	-6.82836E-04	1.53996E-04	-3.73495E-05	0.00000E+00
150	9.71295E-05	1.18376E-04	-6.10199E-04	1.66425E-04	-3.84293E-05	0.00000E+00
151	1.07771E-04	1.17430E-04	-5.32341E-04	1.76898E-04	-3.97388E-05	0.00000E+00
152	1.15605E-04	1.13878E-04	-4.50251E-04	1.85008E-04	-4.01184E-05	0.00000E+00
153	1.27238E-04	1.14101E-04	-3.65080E-04	1.90394E-04	-4.10688E-05	0.00000E+00
154	1.35661E-04	1.11397E-04	-2.78165E-04	1.92775E-04	-4.12779E-05	0.00000E+00
155	1.48943E-04	1.12554E-04	-1.90652E-04	1.93525E-04	-4.09507E-05	0.00000E+00
156	1.59116E-04	1.11377E-04	-1.02820E-04	1.93503E-04	-4.07396E-05	0.00000E+00
157	3.28349E-05	1.21565E-04	-6.75991E-04	-7.81343E-05	-5.74274E-05	0.00000E+00
158	3.54841E-05	1.22903E-04	-7.43079E-04	-7.09523E-05	-6.66753E-05	0.00000E+00
159	3.14428E-05	1.18459E-04	-6.06932E-04	-8.04549E-05	-5.01136E-05	0.00000E+00
160	3.73482E-05	1.26683E-04	-8.00080E-04	-5.78301E-05	-7.32501E-05	0.00000E+00
161	4.29795E-05	6.96046E-05	-5.23041E-04	-7.66899E-05	-4.84057E-05	0.00000E+00
162	5.66365E-05	2.20165E-05	-5.09918E-04	-1.57752E-04	-4.83443E-05	-1.38619E-05
163	2.62555E-05	1.18398E-04	-5.30547E-04	-8.17216E-05	-4.47742E-05	0.00000E+00
164	5.86059E-05	2.10051E-05	-5.01621E-04	-1.57772E-04	-4.89859E-05	0.00000E+00
165	7.12196E-05	3.65968E-05	-6.26250E-04	-1.37132E-04	-6.19836E-05	0.00000E+00
166	8.01838E-05	4.61252E-05	-6.85402E-04	-1.23975E-04	-6.77874E-05	0.00000E+00
167	6.55999E-05	2.75861E-05	-5.61582E-04	-1.47909E-04	-5.64898E-05	0.00000E+00
168	8.56682E-05	5.76199E-05	-7.38054E-04	-1.08146E-04	-7.27254E-05	0.00000E+00
169	5.56613E-05	2.05538E-05	-4.92734E-04	-1.56141E-04	-5.05377E-05	0.00000E+00
170	4.16920E-05	1.28886E-04	-8.50023E-04	-4.39689E-05	-7.67247E-05	0.00000E+00
171	9.38985E-05	6.93014E-05	-7.83066E-04	-9.05309E-05	-7.71889E-05	0.00000E+00
172	4.61759E-05	1.33014E-04	-8.88584E-04	-3.11276E-05	-7.93463E-05	0.00000E+00
173	9.93773E-05	8.24975E-05	-8.19862E-04	-7.17177E-05	-8.04342E-05	0.00000E+00
174	5.26011E-05	1.35781E-04	-9.18455E-04	-1.66891E-05	-8.13434E-05	0.00000E+00
175	1.07042E-04	9.53705E-05	-8.48079E-04	-5.28645E-05	-8.28689E-05	0.00000E+00
176	5.94779E-05	1.39793E-04	-9.37341E-04	-2.62911E-06	-7.99946E-05	0.00000E+00
177	1.12387E-04	1.09173E-04	-8.67933E-04	-3.47104E-05	-8.43510E-05	0.00000E+00

178	6.74459E-05	1.42792E-04	-9.48365E-04	5.56861E-06	-7.61500E-05	0.00000E+00
179	1.19383E-04	1.22351E-04	-8.79807E-04	-1.77832E-05	-8.54128E-05	0.00000E+00
180	7.34613E-05	1.46191E-04	-9.51802E-04	8.11772E-06	-7.44478E-05	0.00000E+00
181	1.24204E-04	1.36168E-04	-8.84246E-04	-1.77798E-06	-8.59769E-05	0.00000E+00
182	7.77424E-05	1.48984E-04	-9.50794E-04	1.07036E-05	-7.72745E-05	0.00000E+00
183	1.30326E-04	1.49462E-04	-8.81410E-04	1.42656E-05	-8.63964E-05	0.00000E+00
184	8.01079E-05	1.52694E-04	-9.42178E-04	1.90511E-05	-8.22388E-05	0.00000E+00
185	1.34442E-04	1.63342E-04	-8.71098E-04	3.13361E-05	-8.63033E-05	0.00000E+00
186	8.35718E-05	1.56204E-04	-9.25554E-04	3.33348E-05	-8.47316E-05	0.00000E+00
187	1.39947E-04	1.76796E-04	-8.52725E-04	4.97084E-05	-8.57614E-05	0.00000E+00
188	8.75989E-05	1.59785E-04	-8.97886E-04	4.81128E-05	-8.38645E-05	0.00000E+00
189	1.43657E-04	1.90547E-04	-8.25866E-04	6.88846E-05	-8.42199E-05	0.00000E+00
190	9.35849E-05	1.63511E-04	-8.61231E-04	6.13673E-05	-8.24183E-05	0.00000E+00
191	1.48998E-04	2.03560E-04	-7.90267E-04	8.80880E-05	-8.18097E-05	0.00000E+00
192	9.98965E-05	1.66620E-04	-8.13097E-04	7.57609E-05	-8.00962E-05	0.00000E+00
193	1.52509E-04	2.16283E-04	-7.46249E-04	1.06195E-04	-7.80969E-05	0.00000E+00
194	1.08723E-04	1.70094E-04	-7.57470E-04	8.94856E-05	-7.47332E-05	0.00000E+00
195	1.57868E-04	2.27748E-04	-6.94360E-04	1.22568E-04	-7.38230E-05	0.00000E+00
196	1.17019E-04	1.72399E-04	-6.91610E-04	9.73945E-05	-6.66651E-05	0.00000E+00
197	1.61131E-04	2.38444E-04	-6.35700E-04	1.36362E-04	-6.85541E-05	0.00000E+00
198	1.26644E-04	1.75294E-04	-6.23234E-04	1.00508E-04	-6.05985E-05	0.00000E+00
199	1.66424E-04	2.47575E-04	-5.71234E-04	1.47796E-04	-6.34840E-05	0.00000E+00
200	1.70061E-04	2.63243E-04	-5.22223E-04	1.58242E-04	-5.72520E-05	-1.21774E-05
201	1.53073E-04	2.19830E-04	-5.37322E-04	9.86315E-05	-5.92117E-05	0.00000E+00
202	1.71408E-04	2.59284E-04	-5.12458E-04	1.58316E-04	-5.67932E-05	0.00000E+00
203	1.32786E-04	1.76316E-04	-5.47314E-04	1.02704E-04	-5.64623E-05	0.00000E+00
204	1.69320E-04	2.55815E-04	-5.02272E-04	1.56754E-04	-5.77711E-05	0.00000E+00
205	2.34664E-05	1.15379E-04	-4.56609E-04	-8.38641E-05	-3.93399E-05	0.00000E+00
206	1.41483E-04	1.79217E-04	-4.73258E-04	1.05833E-04	-5.23245E-05	0.00000E+00
207	1.58079E-05	1.16526E-04	-3.73413E-04	-8.54807E-05	-3.38289E-05	0.00000E+00
208	1.45589E-04	1.78874E-04	-3.89600E-04	1.08325E-04	-4.80235E-05	0.00000E+00
209	1.37047E-05	1.13445E-04	-2.96772E-04	-8.95433E-05	-2.88868E-05	0.00000E+00
210	1.55487E-04	1.81975E-04	-3.12183E-04	1.13196E-04	-4.43174E-05	0.00000E+00
211	5.69717E-06	1.16641E-04	-2.05518E-04	-9.72450E-05	-2.66784E-05	0.00000E+00
212	1.59380E-04	1.79118E-04	-2.19589E-04	1.20712E-04	-4.26476E-05	0.00000E+00
213	-4.73550E-06	2.18632E-04	-5.80054E-05	-1.92218E-04	-1.89500E-05	0.00000E+00
214	-9.71327E-06	2.19918E-04	-1.44144E-04	-1.90224E-04	-2.41548E-05	0.00000E+00
215	-5.89748E-06	2.17226E-04	-2.31116E-04	-1.91850E-04	-2.52166E-05	0.00000E+00
216	-6.93030E-06	2.17700E-04	-3.17656E-04	-1.89516E-04	-2.67800E-05	0.00000E+00
217	-3.38199E-06	2.13585E-04	-4.02872E-04	-1.85358E-04	-2.92409E-05	0.00000E+00
218	-3.40478E-06	2.13155E-04	-4.85431E-04	-1.78735E-04	-2.96582E-05	0.00000E+00
219	4.13065E-09	2.08210E-04	-5.64608E-04	-1.69794E-04	-3.05690E-05	0.00000E+00
220	4.76623E-07	2.06426E-04	-6.39170E-04	-1.59561E-04	-2.91955E-05	0.00000E+00
221	3.57349E-06	2.00779E-04	-7.08920E-04	-1.47974E-04	-2.66041E-05	0.00000E+00
222	4.39897E-06	1.97527E-04	-7.72330E-04	-1.32896E-04	-2.18084E-05	0.00000E+00
223	7.70533E-06	1.91520E-04	-8.28657E-04	-1.17019E-04	-2.20405E-05	0.00000E+00
224	9.67937E-06	1.87176E-04	-8.78118E-04	-1.00106E-04	-1.84577E-05	0.00000E+00
225	1.39096E-05	1.80585E-04	-9.19106E-04	-8.03921E-05	-1.97052E-05	0.00000E+00
226	1.69390E-05	1.75473E-04	-9.51091E-04	-6.18063E-05	-2.50661E-05	0.00000E+00
227	2.21534E-05	1.69072E-04	-9.75208E-04	-4.24848E-05	-2.66421E-05	0.00000E+00
228	2.61994E-05	1.63476E-04	-9.90089E-04	-2.21320E-05	-3.17294E-05	0.00000E+00
229	3.17752E-05	1.57027E-04	-9.96020E-04	-3.79533E-06	-3.42332E-05	0.00000E+00
230	3.57951E-05	1.51199E-04	-9.93524E-04	1.45966E-05	-3.27968E-05	0.00000E+00
231	4.13401E-05	1.45026E-04	-9.82030E-04	3.51091E-05	-2.87682E-05	0.00000E+00
232	4.58057E-05	1.39287E-04	-9.61204E-04	5.47014E-05	-2.82441E-05	0.00000E+00
233	5.24421E-05	1.33638E-04	-9.32360E-04	7.36640E-05	-2.39096E-05	0.00000E+00
234	5.80623E-05	1.27748E-04	-8.94322E-04	9.38658E-05	-2.36724E-05	0.00000E+00
235	6.59129E-05	1.22910E-04	-8.47560E-04	1.11373E-04	-2.82273E-05	0.00000E+00
236	7.27242E-05	1.17627E-04	-7.93646E-04	1.27948E-04	-2.89369E-05	0.00000E+00
237	8.19710E-05	1.13933E-04	-7.32303E-04	1.43824E-04	-3.46354E-05	0.00000E+00
238	8.93647E-05	1.09018E-04	-6.64246E-04	1.56291E-04	-3.80799E-05	0.00000E+00
239	9.92926E-05	1.06867E-04	-5.90957E-04	1.67467E-04	-4.02993E-05	0.00000E+00

240	1.06847E-04	1.02634E-04	-5.12623E-04	1.77387E-04	-4.01565E-05	0.00000E+00
241	1.17618E-04	1.01945E-04	-4.30460E-04	1.84948E-04	-4.06119E-05	0.00000E+00
242	1.25562E-04	9.84754E-05	-3.45257E-04	1.89890E-04	-3.89587E-05	0.00000E+00
243	1.37550E-04	9.87850E-05	-2.58435E-04	1.92682E-04	-3.83864E-05	0.00000E+00
244	1.45630E-04	9.65215E-05	-1.71058E-04	1.91308E-04	-3.79787E-05	0.00000E+00
245	1.60975E-04	9.76030E-05	-8.44202E-05	1.93143E-04	-3.35626E-05	0.00000E+00
246	1.73575E-05	1.61093E-04	-6.87969E-04	-8.25080E-05	-4.37234E-05	0.00000E+00
247	1.63955E-05	1.60706E-04	-7.54905E-04	-7.68375E-05	-4.72872E-05	0.00000E+00
248	1.51579E-05	1.64120E-04	-6.14648E-04	-8.30924E-05	-4.20636E-05	0.00000E+00
249	1.76669E-05	1.58598E-04	-8.15587E-04	-5.95953E-05	-5.41723E-05	0.00000E+00
250	1.38323E-05	1.63633E-04	-5.41610E-04	-8.53309E-05	-4.09715E-05	0.00000E+00
251	2.11275E-05	1.58142E-04	-8.63541E-04	-4.38850E-05	-4.82709E-05	0.00000E+00
252	3.43303E-05	6.72236E-05	-4.44481E-04	-7.87007E-05	-4.27885E-05	0.00000E+00
253	5.08854E-05	1.51698E-05	-4.37449E-04	-1.68431E-04	-4.82693E-05	-2.03916E-05
254	4.74149E-05	1.52500E-05	-4.28471E-04	-1.66062E-04	-4.80154E-05	0.00000E+00
255	9.21262E-06	1.66600E-04	-4.61538E-04	-8.82453E-05	-3.58551E-05	0.00000E+00
256	4.97032E-05	1.40927E-05	-4.20264E-04	-1.63191E-04	-4.56902E-05	0.00000E+00
257	7.21515E-05	3.49453E-05	-6.15316E-04	-1.34945E-04	-6.16299E-05	0.00000E+00
258	7.81141E-05	4.51994E-05	-6.73570E-04	-1.21874E-04	-6.68847E-05	0.00000E+00
259	6.33242E-05	2.67489E-05	-5.51696E-04	-1.45657E-04	-5.57559E-05	0.00000E+00
260	8.62153E-05	5.58285E-05	-7.25317E-04	-1.06328E-04	-7.19294E-05	0.00000E+00
261	5.70139E-05	1.89229E-05	-4.83731E-04	-1.54046E-04	-5.05620E-05	0.00000E+00
262	9.20186E-05	6.81561E-05	-7.69609E-04	-8.90118E-05	-7.61197E-05	0.00000E+00
263	4.73224E-05	1.32712E-05	-4.12314E-04	-1.61125E-04	-4.46585E-05	0.00000E+00
264	2.56829E-05	1.55220E-04	-9.03954E-04	-3.55160E-05	-5.11851E-05	0.00000E+00
265	9.95969E-05	8.04910E-05	-8.05786E-04	-7.06099E-05	-7.95348E-05	0.00000E+00
266	2.95921E-05	1.54423E-04	-9.34132E-04	-1.91868E-05	-6.03416E-05	0.00000E+00
267	1.05281E-04	9.39404E-05	-8.33580E-04	-5.20827E-05	-8.20370E-05	0.00000E+00
268	3.74276E-05	1.52659E-04	-9.53277E-04	-8.07276E-07	-5.90498E-05	0.00000E+00
269	1.12340E-04	1.06974E-04	-8.53105E-04	-3.42083E-05	-8.37767E-05	0.00000E+00
270	4.53146E-05	1.51163E-04	-9.62026E-04	6.27013E-06	-5.78550E-05	0.00000E+00
271	1.17676E-04	1.20660E-04	-8.64778E-04	-1.74630E-05	-8.49319E-05	0.00000E+00
272	5.17738E-05	1.48745E-04	-9.65881E-04	7.62332E-06	-6.00670E-05	0.00000E+00
273	1.24001E-04	1.33817E-04	-8.69080E-04	-1.58851E-06	-8.55910E-05	0.00000E+00
274	5.52576E-05	1.46963E-04	-9.64705E-04	9.02498E-06	-5.89781E-05	0.00000E+00
275	1.28682E-04	1.47517E-04	-8.66209E-04	1.43259E-05	-8.58951E-05	0.00000E+00
276	5.73182E-05	1.44889E-04	-9.58569E-04	1.62349E-05	-6.12776E-05	0.00000E+00
277	1.34240E-04	1.60825E-04	-8.55931E-04	3.12022E-05	-8.56858E-05	0.00000E+00
278	5.94973E-05	1.43820E-04	-9.41985E-04	3.48454E-05	-6.37225E-05	0.00000E+00
279	1.38382E-04	1.74566E-04	-8.37719E-04	4.92851E-05	-8.48727E-05	0.00000E+00
280	6.56178E-05	1.42501E-04	-9.14169E-04	5.14913E-05	-5.56596E-05	0.00000E+00
281	1.43550E-04	1.87798E-04	-8.11131E-04	6.81111E-05	-8.32437E-05	0.00000E+00
282	7.12279E-05	1.40326E-04	-8.76013E-04	6.02786E-05	-5.39412E-05	0.00000E+00
283	1.47471E-04	2.00999E-04	-7.75999E-04	8.68820E-05	-8.06622E-05	0.00000E+00
284	7.79621E-05	1.39407E-04	-8.29987E-04	7.64945E-05	-6.09251E-05	0.00000E+00
285	1.52533E-04	2.13258E-04	-7.32579E-04	1.04653E-04	-7.72133E-05	0.00000E+00
286	8.70915E-05	1.38085E-04	-7.71072E-04	9.43460E-05	-5.52915E-05	0.00000E+00
287	1.56345E-04	2.24897E-04	-6.81470E-04	1.20710E-04	-7.28511E-05	0.00000E+00
288	9.85058E-05	1.37302E-04	-7.05458E-04	1.00713E-04	-5.27898E-05	0.00000E+00
289	1.61305E-04	2.35210E-04	-6.23628E-04	1.34368E-04	-6.81468E-05	0.00000E+00
290	1.07031E-04	1.35073E-04	-6.33230E-04	1.02098E-04	-5.24579E-05	0.00000E+00
291	1.64928E-04	2.44537E-04	-5.60122E-04	1.45691E-04	-6.27490E-05	0.00000E+00
292	1.16526E-04	1.35250E-04	-5.60763E-04	1.05223E-04	-5.24060E-05	0.00000E+00
293	1.69653E-04	2.52515E-04	-4.92019E-04	1.54747E-04	-5.78627E-05	0.00000E+00
294	1.76083E-04	2.70348E-04	-4.49236E-04	1.69860E-04	-5.69153E-05	-6.97519E-06
295	1.56425E-04	2.23339E-04	-4.58609E-04	1.01532E-04	-5.42874E-05	0.00000E+00
296	1.73249E-04	2.66298E-04	-4.38867E-04	1.67373E-04	-5.56957E-05	0.00000E+00
297	1.74408E-04	2.62573E-04	-4.29367E-04	1.64517E-04	-5.30251E-05	0.00000E+00
298	1.23049E-04	1.33021E-04	-4.80939E-04	1.09101E-04	-4.87647E-05	0.00000E+00
299	1.73043E-04	2.59390E-04	-4.20126E-04	1.62469E-04	-5.21901E-05	0.00000E+00
300	7.60007E-06	1.65299E-04	-3.83650E-04	-9.06614E-05	-3.18145E-05	0.00000E+00
301	3.02383E-05	6.27538E-05	-3.70317E-04	-8.11373E-05	-3.67979E-05	0.00000E+00

302	1.32742E-04	1.34147E-04	-4.02803E-04	1.12489E-04	-4.56868E-05	0.00000E+00
303	1.64382E-04	2.27873E-04	-3.83665E-04	1.05184E-04	-4.95623E-05	0.00000E+00
304	1.75891E-06	1.68993E-04	-2.97888E-04	-9.24474E-05	-2.55531E-05	0.00000E+00
305	1.92840E-05	6.23217E-05	-2.84330E-04	-8.39161E-05	-3.13444E-05	0.00000E+00
306	1.38491E-04	1.30973E-04	-3.16406E-04	1.15012E-04	-4.08650E-05	0.00000E+00
307	1.65801E-04	2.29160E-04	-2.96606E-04	1.07734E-04	-4.46567E-05	0.00000E+00
308	4.59007E-07	1.67163E-04	-2.16937E-04	-9.58587E-05	-2.80871E-05	0.00000E+00
309	1.88867E-05	5.82987E-05	-2.08404E-04	-9.39801E-05	-2.31830E-05	0.00000E+00
310	1.48887E-04	1.32776E-04	-2.34475E-04	1.19314E-04	-4.38228E-05	0.00000E+00
311	1.77695E-04	2.33364E-04	-2.19706E-04	1.19424E-04	-3.79093E-05	0.00000E+00
312	-4.33156E-06	1.68656E-04	-1.27777E-04	-1.00279E-04	-2.68916E-05	0.00000E+00
313	7.12394E-06	1.13217E-04	-1.24457E-04	-9.89720E-05	-2.97773E-05	0.00000E+00
314	7.45864E-06	6.20122E-05	-1.07724E-04	-1.01936E-04	-1.60183E-05	0.00000E+00
315	1.72894E-04	1.82689E-04	-1.37505E-04	1.23805E-04	-4.67221E-05	0.00000E+00
316	1.56280E-04	1.31552E-04	-1.44128E-04	1.24265E-04	-4.34552E-05	0.00000E+00
317	1.78341E-04	2.29890E-04	-1.16574E-04	1.24378E-04	-2.95880E-05	0.00000E+00
318	-1.30255E-05	2.23053E-04	-5.01941E-05	-1.80819E-04	-1.60701E-05	-7.39699E-06
319	-7.55435E-06	2.21847E-04	-1.35639E-04	-1.91566E-04	-6.64004E-06	-5.21830E-06
320	-8.62640E-06	2.22254E-04	-2.20427E-04	-1.85403E-04	-1.79949E-05	-2.13230E-06
321	-4.65730E-06	2.18814E-04	-3.04950E-04	-1.84962E-04	-2.51877E-05	-6.54490E-06
322	-4.50257E-06	2.18770E-04	-3.87806E-04	-1.82991E-04	-3.13010E-05	-3.99235E-06
323	-9.33669E-07	2.13943E-04	-4.70108E-04	-1.77035E-04	-3.37660E-05	-5.97138E-06
324	-2.78644E-07	2.12550E-04	-5.47928E-04	-1.69047E-04	-3.69378E-05	-4.09822E-06
325	3.04923E-06	2.07026E-04	-6.23356E-04	-1.61048E-04	-3.62517E-05	-5.20912E-06
326	3.97447E-06	2.04153E-04	-6.94204E-04	-1.54141E-04	-3.27555E-05	-2.33567E-06
327	6.68834E-06	1.97745E-04	-7.63017E-04	-1.46514E-04	-1.76528E-05	-4.35304E-06
328	8.33275E-06	1.92702E-04	-8.22900E-04	-1.18025E-04	1.99682E-06	-5.50945E-06
329	1.20184E-05	1.85215E-04	-8.70647E-04	-9.29725E-05	-1.28828E-05	-7.04068E-06
330	1.48261E-05	1.79483E-04	-9.10676E-04	-8.45993E-05	-1.51542E-05	-8.91920E-06
331	1.93154E-05	1.71760E-04	-9.43479E-04	-5.80414E-05	-2.97533E-06	-1.01491E-05
332	2.32403E-05	1.65138E-04	-9.62389E-04	-2.70306E-05	-2.67460E-05	-1.17962E-05
333	2.88585E-05	1.58008E-04	-9.71763E-04	-1.50005E-05	-4.32402E-05	-1.27108E-05
334	3.33090E-05	1.51897E-04	-9.75998E-04	-3.23775E-06	-4.83236E-05	-1.06511E-05
335	3.84354E-05	1.45182E-04	-9.74667E-04	8.55625E-06	-4.43270E-05	-8.71350E-06
336	4.24358E-05	1.38668E-04	-9.68157E-04	2.07591E-05	-2.89003E-05	-9.58669E-06
337	4.81220E-05	1.31452E-04	-9.52007E-04	5.20072E-05	-6.22132E-06	-1.14491E-05
338	5.33723E-05	1.24356E-04	-9.21841E-04	7.89410E-05	-1.94312E-05	-1.27114E-05
339	6.02873E-05	1.18043E-04	-8.84243E-04	8.77611E-05	-1.82414E-05	-1.49176E-05
340	6.65502E-05	1.11191E-04	-8.38720E-04	1.13387E-04	-4.33392E-06	-1.65488E-05
341	7.48223E-05	1.05589E-04	-7.80755E-04	1.42534E-04	-2.50387E-05	-1.81725E-05
342	8.23654E-05	9.98169E-05	-7.13571E-04	1.50913E-04	-4.10280E-05	-2.03407E-05
343	9.16363E-05	9.64369E-05	-6.43958E-04	1.58679E-04	-4.55442E-05	-1.81222E-05
344	9.89847E-05	9.15380E-05	-5.69395E-04	1.67557E-04	-4.70126E-05	-1.93788E-05
345	1.08882E-04	8.97451E-05	-4.91998E-04	1.76532E-04	-4.48509E-05	-1.84473E-05
346	1.16535E-04	8.55053E-05	-4.09688E-04	1.83441E-04	-4.30625E-05	-2.03934E-05
347	1.27303E-04	8.52255E-05	-3.26401E-04	1.86260E-04	-3.80665E-05	-1.91489E-05
348	1.35216E-04	8.22987E-05	-2.41107E-04	1.87416E-04	-3.15875E-05	-2.30559E-05
349	1.47407E-04	8.26297E-05	-1.55375E-04	1.93428E-04	-2.22189E-05	-2.16306E-05
350	1.54386E-04	8.15878E-05	-6.90958E-05	1.83134E-04	-3.15038E-05	-1.80802E-05
351	3.88132E-05	1.11451E-05	-3.58123E-04	-1.67039E-04	-3.55338E-05	-1.34530E-05
352	4.22395E-05	1.00229E-05	-3.52297E-04	-1.69074E-04	-3.70708E-05	0.00000E+00
353	3.89250E-05	9.32744E-06	-3.45240E-04	-1.68359E-04	-4.03831E-05	0.00000E+00
354	4.06161E-05	7.62517E-06	-3.37961E-04	-1.66744E-04	-4.05299E-05	0.00000E+00
355	7.06383E-05	3.36832E-05	-6.04437E-04	-1.32545E-04	-6.12310E-05	-1.48241E-05
356	7.82874E-05	4.30328E-05	-6.61762E-04	-1.19769E-04	-6.76007E-05	-1.50827E-05
357	6.38105E-05	2.45771E-05	-5.41875E-04	-1.43439E-04	-5.59337E-05	-1.64723E-05
358	8.47980E-05	5.44679E-05	-7.12618E-04	-1.04376E-04	-7.23168E-05	-1.42361E-05
359	5.53832E-05	1.78181E-05	-4.74810E-04	-1.51577E-04	-4.92732E-05	-1.59202E-05
360	9.19439E-05	6.60149E-05	-7.56161E-04	-8.74670E-05	-7.71153E-05	-1.44930E-05
361	4.82297E-05	1.10463E-05	-4.04499E-04	-1.59200E-04	-4.46320E-05	-1.83309E-05
362	9.82427E-05	7.90501E-05	-7.91740E-04	-6.93943E-05	-8.01610E-05	-1.39100E-05
363	3.88122E-05	6.71787E-06	-3.30826E-04	-1.64327E-04	-3.80703E-05	-1.68230E-05

364	1.04997E-04	9.18074E-05	-8.19073E-04	-5.12548E-05	-8.29500E-05	-1.39779E-05
365	1.11008E-04	1.05402E-04	-8.38301E-04	-3.36513E-05	-8.41478E-05	-1.34000E-05
366	1.17245E-04	1.18429E-04	-8.49759E-04	-1.71333E-05	-8.52073E-05	-1.29829E-05
367	1.22696E-04	1.31962E-04	-8.53960E-04	-1.40307E-06	-8.54598E-05	-1.19537E-05
368	1.28197E-04	1.45064E-04	-8.51022E-04	1.43594E-05	-8.61353E-05	-1.12058E-05
369	1.32991E-04	1.58675E-04	-8.40791E-04	3.10057E-05	-8.60646E-05	-1.05843E-05
370	1.37930E-04	1.71990E-04	-8.22715E-04	4.87987E-05	-8.56912E-05	-1.04161E-05
371	1.42375E-04	1.85481E-04	-7.96432E-04	6.72246E-05	-8.39221E-05	-1.03055E-05
372	1.47093E-04	1.98383E-04	-7.61753E-04	8.56347E-05	-8.15391E-05	-1.03219E-05
373	1.51420E-04	2.10808E-04	-7.18946E-04	1.02978E-04	-7.77787E-05	-1.03597E-05
374	1.56046E-04	2.22234E-04	-6.68608E-04	1.18837E-04	-7.34900E-05	-1.03844E-05
375	1.60266E-04	2.32602E-04	-6.11588E-04	1.32175E-04	-6.81910E-05	-1.02785E-05
376	1.64724E-04	2.41785E-04	-5.49055E-04	1.43615E-04	-6.29944E-05	-9.90749E-06
377	1.68714E-04	2.49712E-04	-4.81779E-04	1.52417E-04	-5.75082E-05	-9.76753E-06
378	1.72985E-04	2.56577E-04	-4.10943E-04	1.60576E-04	-5.25351E-05	-9.27268E-06
379	1.76762E-04	2.75684E-04	-3.69235E-04	1.68975E-04	-4.51645E-05	-1.30585E-05
380	1.79283E-04	2.71906E-04	-3.61891E-04	1.71346E-04	-4.49972E-05	0.00000E+00
381	1.77171E-04	2.68412E-04	-3.53537E-04	1.70597E-04	-4.75627E-05	0.00000E+00
382	1.77621E-04	2.65237E-04	-3.45031E-04	1.68904E-04	-4.79848E-05	0.00000E+00
383	1.76758E-04	2.62287E-04	-3.36517E-04	1.66520E-04	-4.74289E-05	-9.58127E-06
384	3.45928E-05	6.13481E-06	-2.82307E-04	-1.83545E-04	-4.00963E-05	-2.33490E-05
385	1.84626E-04	2.80967E-04	-2.92115E-04	1.87399E-04	-4.91830E-05	-6.33380E-06
386	1.95740E-05	3.78142E-06	-1.95177E-04	-1.69205E-04	-1.72824E-05	-8.33317E-06
387	1.82770E-04	2.84156E-04	-2.03664E-04	1.69518E-04	-2.74618E-05	-1.48987E-05
388	2.18286E-05	-5.02619E-07	-1.17504E-04	-2.22879E-04	-3.27116E-05	-1.78115E-05
389	1.95972E-04	2.88802E-04	-1.25143E-04	2.32848E-04	-4.29908E-05	-1.50057E-05
390	-4.14292E-06	1.66541E-04	-4.71113E-05	-1.69067E-04	-2.51791E-05	-6.42212E-06
391	-1.92303E-06	1.12606E-04	-3.51067E-05	-1.61871E-04	-2.15601E-05	-7.19676E-06
392	1.14589E-05	5.89526E-05	-3.32430E-05	-1.64994E-04	-4.66683E-05	-8.10019E-06
393	0.00000E+00	0.00000E+00	0.00000E+00	-1.81741E-04	4.31238E-05	-8.00595E-06
394	1.76234E-04	1.83524E-04	-4.65116E-05	1.65084E-04	-3.08227E-05	-1.79742E-05
395	1.68391E-04	1.33677E-04	-6.23911E-05	1.72053E-04	-4.47038E-05	-1.86788E-05
396	1.93159E-04	2.33054E-04	-4.28645E-05	1.69338E-04	-7.28847E-05	-1.61680E-05
397	1.90910E-04	2.89526E-04	0.00000E+00	1.90007E-04	2.93701E-05	-2.08666E-05
398	-7.81634E-06	1.63878E-04	-3.28988E-05	-8.62796E-06	-1.63893E-04	0.00000E+00
399	-1.29069E-05	2.19386E-04	-4.15798E-05	-1.76388E-04	-3.03804E-05	-8.24187E-06
400	-1.05259E-05	2.18896E-04	-1.36498E-04	-2.06802E-04	-1.86706E-05	0.00000E+00
401	-6.44177E-06	2.16421E-04	-2.15486E-04	-1.62776E-04	-1.66823E-05	0.00000E+00
402	-6.20037E-06	2.16096E-04	-2.93967E-04	-1.80677E-04	-2.88343E-05	0.00000E+00
403	-2.43004E-06	2.12186E-04	-3.75340E-04	-1.78167E-04	-3.50046E-05	0.00000E+00
404	-1.53091E-06	2.11100E-04	-4.55112E-04	-1.73537E-04	-4.19241E-05	0.00000E+00
405	1.89479E-06	2.06066E-04	-5.32289E-04	-1.66725E-04	-4.48094E-05	0.00000E+00
406	3.17096E-06	2.03601E-04	-6.06622E-04	-1.61358E-04	-4.91028E-05	0.00000E+00
407	6.26288E-06	1.97728E-04	-6.78953E-04	-1.57305E-04	-4.51991E-05	0.00000E+00
408	7.89831E-06	1.93611E-04	-7.55129E-04	-1.82648E-04	-3.19666E-05	0.00000E+00
409	1.12173E-05	1.86770E-04	-8.30723E-04	-1.19332E-04	-1.98311E-05	0.00000E+00
410	1.36694E-05	1.81365E-04	-8.63804E-04	-5.78862E-05	-3.02457E-05	0.00000E+00
411	1.77038E-05	1.73911E-04	-9.03166E-04	-1.15656E-04	-3.23830E-05	0.00000E+00
412	2.11933E-05	1.67745E-04	-9.48495E-04	-5.29138E-05	-2.82981E-05	0.00000E+00
413	2.60254E-05	1.60345E-04	-9.50467E-04	1.29603E-05	-4.46729E-05	0.00000E+00
414	3.02683E-05	1.53910E-04	-9.50450E-04	-8.89974E-06	-6.42682E-05	0.00000E+00
415	3.55206E-05	1.46902E-04	-9.53002E-04	-2.75376E-06	-7.05607E-05	0.00000E+00
416	3.98517E-05	1.40479E-04	-9.52942E-04	3.43757E-06	-6.53312E-05	0.00000E+00
417	4.51794E-05	1.33453E-04	-9.55407E-04	-1.82736E-05	-4.68074E-05	0.00000E+00
418	5.00170E-05	1.26633E-04	-9.55795E-04	4.78399E-05	-3.14586E-05	0.00000E+00
419	5.61541E-05	1.19871E-04	-9.12693E-04	1.10924E-04	-3.65930E-05	0.00000E+00
420	6.19591E-05	1.12995E-04	-8.75381E-04	5.35863E-05	-3.54120E-05	0.00000E+00
421	6.92568E-05	1.06998E-04	-8.44133E-04	1.15564E-04	-2.59865E-05	0.00000E+00
422	7.60458E-05	1.00737E-04	-7.70110E-04	1.79496E-04	-3.89680E-05	0.00000E+00
423	8.43482E-05	9.60564E-05	-6.95206E-04	1.54862E-04	-5.30785E-05	0.00000E+00
424	9.17559E-05	9.07754E-05	-6.23804E-04	1.59697E-04	-5.76700E-05	0.00000E+00
425	1.00665E-04	8.78319E-05	-5.50034E-04	1.65908E-04	-5.40776E-05	0.00000E+00

426	1.08301E-04	8.34162E-05	-4.73020E-04	1.73616E-04	-5.16788E-05	0.00000E+00
427	1.17887E-04	8.20222E-05	-3.93000E-04	1.79173E-04	-4.52534E-05	0.00000E+00
428	1.25990E-04	7.87544E-05	-3.10942E-04	1.82663E-04	-3.94756E-05	0.00000E+00
429	1.36561E-04	7.83165E-05	-2.31316E-04	1.65844E-04	-2.83104E-05	0.00000E+00
430	1.45482E-04	7.63221E-05	-1.50724E-04	2.10720E-04	-3.18353E-05	0.00000E+00
431	1.54235E-04	7.56068E-05	-5.41756E-05	1.79313E-04	-4.60177E-05	-1.67417E-05
432	1.66111E-04	1.28088E-04	-4.28644E-05	-1.64599E-05	1.66854E-04	0.00000E+00
433	2.95955E-05	6.05946E-06	-2.74174E-04	-1.77113E-04	-4.01589E-05	0.00000E+00
434	3.24874E-05	5.05287E-06	-2.67690E-04	-1.73350E-04	-3.62358E-05	0.00000E+00
435	3.02584E-05	4.39121E-06	-2.61392E-04	-1.71190E-04	-3.51558E-05	0.00000E+00
436	3.17848E-05	2.08455E-06	-2.55313E-04	-1.70240E-04	-3.48455E-05	-1.92797E-05
437	5.36417E-05	7.22421E-05	-6.05813E-04	-1.25951E-05	-4.60212E-05	0.00000E+00
438	5.91395E-05	7.87240E-05	-6.63170E-04	-1.23506E-05	-5.11532E-05	0.00000E+00
439	4.78122E-05	6.77252E-05	-5.42676E-04	-1.35592E-05	-4.29190E-05	0.00000E+00
440	7.02517E-05	3.25441E-05	-5.83549E-04	-1.27891E-04	-7.38809E-05	0.00000E+00
441	7.66577E-05	4.26206E-05	-6.38705E-04	-1.15260E-04	-8.15218E-05	0.00000E+00
442	6.20540E-05	2.45256E-05	-5.23098E-04	-1.38462E-04	-6.58391E-05	0.00000E+00
443	6.46813E-05	8.48645E-05	-7.14364E-04	-1.25061E-05	-5.40283E-05	0.00000E+00
444	8.40939E-05	5.28065E-05	-6.87693E-04	-1.00575E-04	-8.84962E-05	0.00000E+00
445	4.16485E-05	6.26877E-05	-4.75942E-04	-1.43446E-05	-3.80108E-05	0.00000E+00
446	5.55468E-05	1.66397E-05	-4.58344E-04	-1.47074E-04	-5.77093E-05	0.00000E+00
447	7.03010E-05	9.25685E-05	-7.57972E-04	-1.27796E-05	-5.74359E-05	0.00000E+00
448	9.03500E-05	6.46753E-05	-7.29629E-04	-8.43175E-05	-9.42125E-05	0.00000E+00
449	3.49994E-05	5.97120E-05	-4.04726E-04	-1.52877E-05	-3.60567E-05	0.00000E+00
450	4.62243E-05	1.09947E-05	-3.89969E-04	-1.54238E-04	-4.98792E-05	0.00000E+00
451	7.60507E-05	9.98271E-05	-7.93657E-04	-1.28296E-05	-5.90710E-05	0.00000E+00
452	9.72793E-05	7.64463E-05	-7.63983E-04	-6.71070E-05	-9.87916E-05	0.00000E+00
453	2.80927E-05	5.59699E-05	-3.32019E-04	-1.59027E-05	-3.08289E-05	0.00000E+00
454	4.00211E-05	5.41044E-06	-3.18661E-04	-1.60344E-04	-4.16191E-05	0.00000E+00
455	8.18651E-05	1.08171E-04	-8.21009E-04	-1.31057E-05	-6.11904E-05	0.00000E+00
456	1.03338E-04	8.93828E-05	-7.90454E-04	-4.97099E-05	-1.01850E-04	0.00000E+00
457	2.07184E-05	5.42947E-05	-2.54787E-04	-1.66459E-05	-3.07180E-05	0.00000E+00
458	2.91631E-05	2.33137E-06	-2.44780E-04	-1.64987E-04	-3.43484E-05	0.00000E+00
459	8.78444E-05	1.15941E-04	-8.40153E-04	-1.33323E-05	-6.13261E-05	0.00000E+00
460	1.09796E-04	1.01977E-04	-8.09152E-04	-3.27821E-05	-1.03910E-04	0.00000E+00
461	9.37908E-05	1.24308E-04	-8.51537E-04	-1.29774E-05	-6.15094E-05	0.00000E+00
462	1.15485E-04	1.15309E-04	-8.20338E-04	-1.66500E-05	-1.04920E-04	0.00000E+00
463	9.94006E-05	1.32051E-04	-8.55648E-04	-1.17343E-05	-6.11580E-05	0.00000E+00
464	1.21336E-04	1.28216E-04	-8.24367E-04	-1.11050E-06	-1.05605E-04	0.00000E+00
465	1.04427E-04	1.40300E-04	-8.52810E-04	-1.05403E-05	-6.25604E-05	0.00000E+00
466	1.26461E-04	1.41606E-04	-8.21336E-04	1.44671E-05	-1.05753E-04	0.00000E+00
467	1.09135E-04	1.48264E-04	-8.42656E-04	-1.02242E-05	-6.35358E-05	0.00000E+00
468	1.31687E-04	1.54587E-04	-8.11114E-04	3.07028E-05	-1.05550E-04	0.00000E+00
469	1.13858E-04	1.56644E-04	-8.24682E-04	-1.05939E-05	-6.43570E-05	0.00000E+00
470	1.36352E-04	1.67793E-04	-7.93319E-04	4.78095E-05	-1.04288E-04	0.00000E+00
471	1.18798E-04	1.64685E-04	-7.98372E-04	-1.09940E-05	-6.35369E-05	0.00000E+00
472	1.41212E-04	1.80509E-04	-7.67650E-04	6.54474E-05	-1.01948E-04	0.00000E+00
473	1.23902E-04	1.72655E-04	-7.63617E-04	-1.12901E-05	-6.27552E-05	0.00000E+00
474	1.45664E-04	1.93016E-04	-7.33980E-04	8.29719E-05	-9.80773E-05	0.00000E+00
475	1.29221E-04	1.80151E-04	-7.20722E-04	-1.17680E-05	-6.08413E-05	0.00000E+00
476	1.50372E-04	2.04789E-04	-6.92562E-04	9.95974E-05	-9.29327E-05	0.00000E+00
477	1.34774E-04	1.87103E-04	-6.70095E-04	-1.22805E-05	-5.86775E-05	0.00000E+00
478	1.54719E-04	2.15830E-04	-6.43923E-04	1.14721E-04	-8.65392E-05	0.00000E+00
479	1.40484E-04	1.93456E-04	-6.12993E-04	-1.23116E-05	-5.53126E-05	0.00000E+00
480	1.59321E-04	2.25915E-04	-5.88890E-04	1.27829E-04	-7.92869E-05	0.00000E+00
481	1.46078E-04	1.98894E-04	-5.49970E-04	-1.18266E-05	-5.26935E-05	0.00000E+00
482	1.63507E-04	2.34911E-04	-5.28356E-04	1.38939E-04	-7.17021E-05	0.00000E+00
483	1.51468E-04	2.03853E-04	-4.82926E-04	-1.13642E-05	-4.99389E-05	0.00000E+00
484	1.67963E-04	2.42876E-04	-4.63242E-04	1.48101E-04	-6.37881E-05	0.00000E+00
485	1.56666E-04	2.07886E-04	-4.11334E-04	-1.10840E-05	-4.80684E-05	0.00000E+00
486	1.71932E-04	2.49657E-04	-3.94269E-04	1.55950E-04	-5.64112E-05	0.00000E+00
487	1.61743E-04	2.11556E-04	-3.37685E-04	-1.07674E-05	-4.55198E-05	0.00000E+00

488	1.76367E-04	2.55376E-04	-3.22029E-04	1.62586E-04	-4.84466E-05	0.00000E+00
489	1.80697E-04	2.76828E-04	-2.82545E-04	1.79895E-04	-4.76874E-05	0.00000E+00
490	1.82022E-04	2.73260E-04	-2.74888E-04	1.75862E-04	-4.31079E-05	0.00000E+00
491	1.80884E-04	2.69793E-04	-2.67373E-04	1.73635E-04	-4.25953E-05	0.00000E+00
492	1.81134E-04	2.66951E-04	-2.59893E-04	1.72688E-04	-4.31029E-05	-9.38895E-06
493	1.66787E-04	2.14429E-04	-2.59649E-04	-1.13006E-05	-4.42154E-05	0.00000E+00
494	1.80297E-04	2.59921E-04	-2.46991E-04	1.68185E-04	-4.19034E-05	0.00000E+00
495	2.52563E-05	2.89774E-06	-1.93613E-04	-1.79006E-04	-2.19190E-05	0.00000E+00
496	1.86925E-04	2.80575E-04	-2.00843E-04	1.81696E-04	-2.94230E-05	0.00000E+00
497	1.40011E-05	2.89131E-07	-1.06430E-04	-2.03840E-04	-3.24762E-05	0.00000E+00
498	1.90623E-04	2.83309E-04	-1.11432E-04	2.09996E-04	-4.18422E-05	0.00000E+00
499	7.78847E-06	-1.63595E-06	-2.24217E-05	-1.77793E-04	4.22917E-05	-6.62465E-06
500	1.94191E-04	2.85797E-04	-2.50870E-05	1.84217E-04	4.49786E-05	-2.03358E-05
501	1.67042E-06	1.10525E-04	-3.23542E-05	-8.79260E-06	-1.61373E-04	0.00000E+00
502	5.03860E-06	5.61843E-05	-1.29542E-05	-8.92532E-06	-1.68415E-04	0.00000E+00
503	1.90064E-04	2.30423E-04	-1.56692E-05	-1.62949E-05	1.73776E-04	0.00000E+00
504	1.78107E-04	1.78517E-04	-4.13745E-05	-1.59911E-05	1.64919E-04	0.00000E+00
505	-5.82339E-06	1.61036E-04	-2.84939E-05	-9.36686E-06	-1.62729E-04	0.00000E+00
506	-1.49173E-05	2.15488E-04	-2.84038E-05	-1.71162E-04	-2.95318E-05	-9.17632E-06
507	-3.20469E-07	1.07924E-04	-1.77990E-05	-8.96738E-06	-1.62535E-04	0.00000E+00
508	-9.08836E-06	2.13959E-04	-1.18142E-04	-2.07264E-04	-5.35073E-05	0.00000E+00
509	-8.13203E-06	2.13704E-04	-2.04774E-04	-1.75194E-04	-3.92627E-05	0.00000E+00
510	-4.37902E-06	2.10793E-04	-2.82445E-04	-1.71457E-04	-3.32222E-05	0.00000E+00
511	-3.22156E-06	2.09873E-04	-3.60859E-04	-1.73875E-04	-3.88000E-05	0.00000E+00
512	3.88508E-07	2.05552E-04	-4.38586E-04	-1.69118E-04	-4.40235E-05	0.00000E+00
513	1.95574E-06	2.03488E-04	-5.13828E-04	-1.62656E-04	-5.01590E-05	0.00000E+00
514	5.23921E-06	1.98116E-04	-5.86212E-04	-1.56915E-04	-5.57840E-05	0.00000E+00
515	7.08582E-06	1.94590E-04	-6.58369E-04	-1.62001E-04	-6.29656E-05	0.00000E+00
516	1.03166E-05	1.88249E-04	-7.33114E-04	-1.61317E-04	-8.46134E-05	0.00000E+00
517	1.26578E-05	1.83308E-04	-7.97034E-04	-1.15883E-04	-1.20817E-04	0.00000E+00
518	1.63070E-05	1.76163E-04	-8.40482E-04	-8.13920E-05	-9.51399E-05	0.00000E+00
519	1.94654E-05	1.70224E-04	-8.78720E-04	-8.72281E-05	-9.84691E-05	0.00000E+00
520	2.37807E-05	1.62769E-04	-9.11410E-04	-5.14569E-05	-1.30212E-04	0.00000E+00
521	2.77544E-05	1.56349E-04	-9.22782E-04	-3.35995E-06	-1.00679E-04	0.00000E+00
522	3.26485E-05	1.49053E-04	-9.21908E-04	5.70303E-07	-8.53545E-05	0.00000E+00
523	3.70530E-05	1.42500E-04	-9.22442E-04	-2.30999E-06	-8.51466E-05	0.00000E+00
524	4.22082E-05	1.35378E-04	-9.23991E-04	-5.14321E-06	-8.64101E-05	0.00000E+00
525	4.69242E-05	1.28630E-04	-9.26907E-04	-1.07859E-06	-1.02778E-04	0.00000E+00
526	5.25246E-05	1.21621E-04	-9.17496E-04	4.72462E-05	-1.33346E-04	0.00000E+00
527	5.79441E-05	1.14697E-04	-8.86643E-04	8.33305E-05	-1.02599E-04	0.00000E+00
528	6.44335E-05	1.08154E-04	-8.50081E-04	7.78980E-05	-1.00246E-04	0.00000E+00
529	7.07324E-05	1.01530E-04	-8.08107E-04	1.12872E-04	-1.26831E-04	0.00000E+00
530	7.81669E-05	9.59893E-05	-7.45424E-04	1.58873E-04	-9.14961E-05	0.00000E+00
531	8.52084E-05	9.01719E-05	-6.71642E-04	1.60193E-04	-7.06125E-05	0.00000E+00
532	9.33126E-05	8.60944E-05	-6.00146E-04	1.55808E-04	-6.41255E-05	0.00000E+00
533	1.00781E-04	8.12722E-05	-5.28094E-04	1.62302E-04	-5.90525E-05	0.00000E+00
534	1.09391E-04	7.87893E-05	-4.52834E-04	1.69551E-04	-5.33697E-05	0.00000E+00
535	1.17275E-04	7.50724E-05	-3.74725E-04	1.75136E-04	-4.84230E-05	0.00000E+00
536	1.26626E-04	7.39542E-05	-2.95510E-04	1.73732E-04	-4.30571E-05	0.00000E+00
537	1.35597E-04	7.16398E-05	-2.16489E-04	1.78820E-04	-4.92278E-05	0.00000E+00
538	1.45662E-04	7.12893E-05	-1.27783E-04	2.12616E-04	-6.41756E-05	0.00000E+00
539	1.54662E-04	6.98068E-05	-3.58672E-05	1.74480E-04	-3.99480E-05	-1.60667E-05
540	1.66215E-04	1.22576E-04	-3.53146E-05	-1.57460E-05	1.65976E-04	0.00000E+00
541	1.79110E-04	1.74177E-04	-2.13109E-05	-1.59174E-05	1.66446E-04	0.00000E+00
542	2.19203E-05	2.48427E-06	-1.88121E-04	-1.79033E-04	-3.09586E-05	0.00000E+00
543	2.36822E-05	9.06045E-07	-1.82435E-04	-1.78149E-04	-3.19102E-05	0.00000E+00
544	2.14824E-05	1.46182E-07	-1.76577E-04	-1.74878E-04	-2.87125E-05	-1.76708E-05
545	1.34145E-05	5.19914E-05	-1.77949E-04	-1.63054E-05	-2.40350E-05	0.00000E+00
546	2.42753E-05	-9.53199E-07	-1.68171E-04	-1.74587E-04	-2.79013E-05	0.00000E+00
547	3.98337E-05	1.11232E-04	-6.06297E-04	-9.65901E-06	-4.02459E-05	0.00000E+00
548	4.40671E-05	1.12633E-04	-6.64422E-04	-9.31141E-06	-4.36513E-05	0.00000E+00
549	3.51360E-05	1.08815E-04	-5.43532E-04	-1.10635E-05	-3.71613E-05	0.00000E+00

550	4.85966E-05	1.15672E-04	-7.15583E-04	-1.06625E-05	-4.64969E-05	0.00000E+00
551	2.99256E-05	1.08206E-04	-4.75769E-04	-1.21356E-05	-3.49028E-05	0.00000E+00
552	6.85432E-05	3.11156E-05	-5.60780E-04	-1.22655E-04	-7.36881E-05	0.00000E+00
553	7.62979E-05	4.01997E-05	-6.13567E-04	-1.10352E-04	-8.13008E-05	0.00000E+00
554	6.21295E-05	2.22537E-05	-5.02843E-04	-1.33008E-04	-6.57119E-05	0.00000E+00
555	8.26156E-05	5.10233E-05	-6.60399E-04	-9.63370E-05	-8.81184E-05	0.00000E+00
556	5.34759E-05	1.53149E-05	-4.40617E-04	-1.41728E-04	-5.74743E-05	0.00000E+00
557	5.35533E-05	1.17787E-04	-7.59452E-04	-1.13679E-05	-4.78247E-05	0.00000E+00
558	8.97201E-05	6.18903E-05	-7.00544E-04	-8.08618E-05	-9.39154E-05	0.00000E+00
559	2.42688E-05	1.06122E-04	-4.05809E-04	-1.25513E-05	-3.17039E-05	0.00000E+00
560	4.72109E-05	8.73176E-06	-3.74751E-04	-1.48894E-04	-4.93341E-05	0.00000E+00
561	5.86848E-05	1.21044E-04	-7.95092E-04	-1.11981E-05	-4.96928E-05	0.00000E+00
562	9.58465E-05	7.41124E-05	-7.33481E-04	-6.45475E-05	-9.84790E-05	0.00000E+00
563	1.84032E-05	1.05992E-04	-3.31235E-04	-1.36377E-05	-2.87986E-05	0.00000E+00
564	3.73620E-05	4.09387E-06	-3.06034E-04	-1.54533E-04	-4.09780E-05	0.00000E+00
565	6.39253E-05	1.23585E-04	-8.22464E-04	-1.19823E-05	-5.16432E-05	0.00000E+00
566	1.02423E-04	8.61395E-05	-7.58968E-04	-4.79784E-05	-1.01799E-04	0.00000E+00
567	1.17597E-05	1.04344E-04	-2.56534E-04	-1.51304E-05	-2.55444E-05	0.00000E+00
568	3.18449E-05	1.27088E-08	-2.34538E-04	-1.61427E-04	-3.28129E-05	0.00000E+00
569	6.97326E-05	1.26996E-04	-8.41443E-04	-1.34812E-05	-5.24329E-05	0.00000E+00
570	1.08244E-04	9.90891E-05	-7.77014E-04	-3.17431E-05	-1.04030E-04	0.00000E+00
571	5.49182E-06	1.04258E-04	-1.76308E-04	-1.22687E-05	-2.35793E-05	0.00000E+00
572	2.01417E-05	-1.84095E-06	-1.60093E-04	-1.65951E-04	-2.47352E-05	0.00000E+00
573	7.58231E-05	1.29609E-04	-8.52482E-04	-1.32911E-05	-5.19639E-05	0.00000E+00
574	1.14287E-04	1.11690E-04	-7.87841E-04	-1.60734E-05	-1.05379E-04	0.00000E+00
575	8.14562E-05	1.32592E-04	-8.56478E-04	-1.13364E-05	-5.21109E-05	0.00000E+00
576	1.19695E-04	1.24888E-04	-7.91664E-04	-8.34902E-07	-1.06092E-04	0.00000E+00
577	8.60977E-05	1.35093E-04	-8.53756E-04	-9.38351E-06	-5.31075E-05	0.00000E+00
578	1.25213E-04	1.37686E-04	-7.88591E-04	1.44375E-05	-1.06206E-04	0.00000E+00
579	9.02962E-05	1.38241E-04	-8.43963E-04	-9.27125E-06	-5.47103E-05	0.00000E+00
580	1.30198E-04	1.50795E-04	-7.78485E-04	3.01955E-05	-1.05675E-04	0.00000E+00
581	9.48211E-05	1.41226E-04	-8.26141E-04	-1.08494E-05	-5.51174E-05	0.00000E+00
582	1.35276E-04	1.63461E-04	-7.61107E-04	4.65863E-05	-1.04226E-04	0.00000E+00
583	9.99564E-05	1.44357E-04	-7.99844E-04	-1.17986E-05	-5.43303E-05	0.00000E+00
584	1.39929E-04	1.76095E-04	-7.36205E-04	6.33623E-05	-1.01659E-04	0.00000E+00
585	1.05290E-04	1.47240E-04	-7.65099E-04	-1.17849E-05	-5.37564E-05	0.00000E+00
586	1.44726E-04	1.88153E-04	-7.03747E-04	7.99508E-05	-9.77788E-05	0.00000E+00
587	1.10871E-04	1.50004E-04	-7.22005E-04	-1.27510E-05	-5.36534E-05	0.00000E+00
588	1.49184E-04	1.99718E-04	-6.63943E-04	9.57468E-05	-9.26279E-05	0.00000E+00
589	1.17020E-04	1.52719E-04	-6.71337E-04	-1.43315E-05	-5.22417E-05	0.00000E+00
590	1.53828E-04	2.10499E-04	-6.17295E-04	1.10152E-04	-8.63606E-05	0.00000E+00
591	1.23562E-04	1.54836E-04	-6.13582E-04	-1.43529E-05	-5.01408E-05	0.00000E+00
592	1.58147E-04	2.20362E-04	-5.64503E-04	1.22883E-04	-7.92761E-05	0.00000E+00
593	1.29841E-04	1.56977E-04	-5.50788E-04	-1.32464E-05	-4.86588E-05	0.00000E+00
594	1.62681E-04	2.29303E-04	-5.06358E-04	1.33742E-04	-7.17232E-05	0.00000E+00
595	1.35726E-04	1.58390E-04	-4.82921E-04	-1.26822E-05	-4.77557E-05	0.00000E+00
596	1.66860E-04	2.37098E-04	-4.43680E-04	1.42998E-04	-6.39571E-05	0.00000E+00
597	1.41446E-04	1.60239E-04	-4.12328E-04	-1.26453E-05	-4.63137E-05	0.00000E+00
598	1.71341E-04	2.43898E-04	-3.77106E-04	1.50818E-04	-5.61921E-05	0.00000E+00
599	1.47107E-04	1.61271E-04	-3.37155E-04	-1.23152E-05	-4.46019E-05	0.00000E+00
600	1.75458E-04	2.49515E-04	-3.07301E-04	1.57433E-04	-4.84701E-05	0.00000E+00
601	1.52597E-04	1.62741E-04	-2.61223E-04	-1.22351E-05	-4.30299E-05	0.00000E+00
602	1.80109E-04	2.54030E-04	-2.34460E-04	1.64251E-04	-4.10663E-05	0.00000E+00
603	1.85380E-04	2.76559E-04	-1.94036E-04	1.82329E-04	-3.79366E-05	0.00000E+00
604	1.86064E-04	2.73506E-04	-1.87203E-04	1.81351E-04	-3.88113E-05	0.00000E+00
605	1.85141E-04	2.70525E-04	-1.80075E-04	1.77714E-04	-3.80930E-05	-1.14690E-05
606	1.72503E-04	2.16678E-04	-1.81298E-04	-1.33273E-05	-4.02103E-05	0.00000E+00
607	1.85126E-04	2.63347E-04	-1.69150E-04	1.75969E-04	-3.54298E-05	0.00000E+00
608	1.58896E-04	1.63632E-04	-1.79941E-04	-1.57766E-05	-4.22406E-05	0.00000E+00
609	1.84303E-04	2.57387E-04	-1.58605E-04	1.70113E-04	-3.40698E-05	0.00000E+00
610	1.60609E-05	-5.72916E-07	-1.03836E-04	-1.93821E-04	-1.74132E-05	0.00000E+00
611	1.90988E-04	2.79763E-04	-1.07825E-04	1.98750E-04	-2.30580E-05	0.00000E+00

612	5.88683E-06	-1.51346E-06	-1.89965E-05	-1.71599E-04	-5.20161E-06	-5.22093E-06
613	1.93263E-04	2.81140E-04	-2.09352E-05	1.76333E-04	-9.34590E-06	-1.99448E-05
614	6.29023E-06	5.37699E-05	-2.33976E-05	-7.15848E-06	-1.67074E-04	0.00000E+00
615	1.89126E-04	2.27019E-04	-2.63577E-05	-1.80650E-05	1.71848E-04	0.00000E+00
616	-7.42441E-06	1.58274E-04	-1.77709E-05	-9.10906E-06	-1.62448E-04	0.00000E+00
617	-1.22999E-05	2.11497E-04	-2.25549E-05	-1.65287E-04	-1.47490E-05	-8.62907E-06
618	1.32310E-07	1.05359E-04	-2.22958E-05	-8.38250E-06	-1.62216E-04	0.00000E+00
619	-1.08702E-05	2.11040E-04	-1.03144E-04	-1.90763E-04	-2.30421E-05	0.00000E+00
620	2.41744E-06	5.21152E-05	-1.80260E-05	-6.02715E-06	-1.64464E-04	0.00000E+00
621	-6.88927E-06	2.09440E-04	-1.88928E-04	-1.83103E-04	-3.77811E-05	0.00000E+00
622	-5.33074E-06	2.08869E-04	-2.68911E-04	-1.70646E-04	-3.68357E-05	0.00000E+00
623	-1.61520E-06	2.05348E-04	-3.45881E-04	-1.68963E-04	-3.88614E-05	0.00000E+00
624	3.18663E-07	2.03665E-04	-4.21554E-04	-1.64618E-04	-4.39295E-05	0.00000E+00
625	3.76167E-06	1.98933E-04	-4.94463E-04	-1.57046E-04	-5.01350E-05	0.00000E+00
626	5.92279E-06	1.95938E-04	-5.64222E-04	-1.51427E-04	-5.77247E-05	0.00000E+00
627	9.17572E-06	1.90100E-04	-6.32117E-04	-1.48239E-04	-7.25608E-05	0.00000E+00
628	1.16140E-05	1.85610E-04	-6.96089E-04	-1.34263E-04	-9.78129E-05	0.00000E+00
629	1.50200E-05	1.78753E-04	-7.51225E-04	-1.11387E-04	-1.10854E-04	0.00000E+00
630	1.80232E-05	1.72992E-04	-7.97522E-04	-9.12685E-05	-1.17678E-04	0.00000E+00
631	2.19157E-05	1.65507E-04	-8.34478E-04	-7.17943E-05	-1.21061E-04	0.00000E+00
632	2.56254E-05	1.59037E-04	-8.61801E-04	-5.04219E-05	-1.20939E-04	0.00000E+00
633	3.00957E-05	1.51498E-04	-8.79434E-04	-2.49913E-05	-1.14546E-04	0.00000E+00
634	3.44112E-05	1.44847E-04	-8.86746E-04	-7.10881E-06	-9.59223E-05	0.00000E+00
635	3.92940E-05	1.37549E-04	-8.88665E-04	-1.86106E-06	-8.92973E-05	0.00000E+00
636	4.39779E-05	1.30782E-04	-8.88426E-04	3.42997E-06	-9.69680E-05	0.00000E+00
637	4.92133E-05	1.23565E-04	-8.82754E-04	2.14381E-05	-1.16635E-04	0.00000E+00
638	5.43884E-05	1.16526E-04	-8.66686E-04	4.70797E-05	-1.24048E-04	0.00000E+00
639	6.02697E-05	1.09460E-04	-8.40814E-04	6.87422E-05	-1.25184E-04	0.00000E+00
640	6.61760E-05	1.02448E-04	-8.05161E-04	8.85876E-05	-1.22765E-04	0.00000E+00
641	7.28547E-05	9.60726E-05	-7.59980E-04	1.09148E-04	-1.16893E-04	0.00000E+00
642	7.94926E-05	8.96736E-05	-7.05750E-04	1.32538E-04	-1.04719E-04	0.00000E+00
643	8.68708E-05	8.45784E-05	-6.42431E-04	1.47084E-04	-8.03178E-05	0.00000E+00
644	9.40279E-05	7.92042E-05	-5.74929E-04	1.50898E-04	-6.61991E-05	0.00000E+00
645	1.01863E-04	7.56725E-05	-5.05262E-04	1.57170E-04	-5.93219E-05	0.00000E+00
646	1.09395E-04	7.14373E-05	-4.32159E-04	1.65432E-04	-5.36081E-05	0.00000E+00
647	1.17736E-04	6.93885E-05	-3.55954E-04	1.70498E-04	-4.90838E-05	0.00000E+00
648	1.25993E-04	6.64131E-05	-2.78135E-04	1.72962E-04	-4.71356E-05	0.00000E+00
649	1.35288E-04	6.57134E-05	-1.96826E-04	1.86717E-04	-4.79922E-05	0.00000E+00
650	1.45200E-04	6.45024E-05	-1.09089E-04	1.95629E-04	-3.17795E-05	0.00000E+00
651	1.55743E-04	6.39002E-05	-2.64350E-05	1.69058E-04	-2.45497E-05	-1.67430E-05
652	1.67121E-04	1.16978E-04	-2.04102E-05	-1.61606E-05	1.66223E-04	0.00000E+00
653	1.78020E-04	1.69774E-04	-2.45071E-05	-1.63645E-05	1.66345E-04	0.00000E+00
654	1.86334E-04	2.23038E-04	-1.95560E-05	-1.82740E-05	1.68890E-04	0.00000E+00
655	1.32658E-05	-7.89818E-07	-1.00146E-04	-1.84103E-04	-1.87184E-05	0.00000E+00
656	1.48920E-05	-2.26808E-06	-9.71735E-05	-1.80662E-04	-2.50453E-05	-1.74185E-05
657	6.79295E-06	5.12672E-05	-9.62293E-05	-1.18042E-05	-2.13560E-05	0.00000E+00
658	1.08527E-05	-2.13350E-07	-8.75458E-05	-1.76509E-04	-2.77003E-05	0.00000E+00
659	8.70088E-07	1.03141E-04	-9.91903E-05	-9.28641E-06	-1.87600E-05	0.00000E+00
660	1.67170E-05	-3.22676E-06	-8.15829E-05	-1.84199E-04	-1.65813E-05	0.00000E+00
661	2.66216E-05	1.48697E-04	-6.06755E-04	-7.62708E-06	-4.31941E-05	0.00000E+00
662	2.97820E-05	1.47684E-04	-6.64982E-04	-7.41468E-06	-4.56431E-05	0.00000E+00
663	2.27197E-05	1.51346E-04	-5.43049E-04	-9.15778E-06	-4.07609E-05	0.00000E+00
664	3.34985E-05	1.45292E-04	-7.16771E-04	-9.19444E-06	-4.80659E-05	0.00000E+00
665	1.82892E-05	1.51829E-04	-4.76267E-04	-9.67575E-06	-3.82702E-05	0.00000E+00
666	3.81298E-05	1.43911E-04	-7.60352E-04	-1.00896E-05	-4.90873E-05	0.00000E+00
667	1.37315E-05	1.53959E-04	-4.05051E-04	-9.88756E-06	-3.38213E-05	0.00000E+00
668	6.83211E-05	2.76799E-05	-5.39949E-04	-1.18002E-04	-6.12340E-05	0.00000E+00
669	7.48861E-05	3.75166E-05	-5.90685E-04	-1.06149E-04	-6.65172E-05	0.00000E+00
670	6.04431E-05	1.96297E-05	-4.84202E-04	-1.28277E-04	-5.49579E-05	0.00000E+00
671	8.21148E-05	4.75706E-05	-6.35661E-04	-9.25479E-05	-7.16819E-05	0.00000E+00
672	5.38053E-05	1.19898E-05	-4.24205E-04	-1.36722E-04	-4.93038E-05	0.00000E+00
673	8.84445E-05	5.91552E-05	-6.74215E-04	-7.77443E-05	-7.60007E-05	0.00000E+00

674	4.51710E-05	6.11396E-06	-3.60653E-04	-1.43963E-04	-4.22063E-05	0.00000E+00
675	4.26423E-05	1.41126E-04	-7.96112E-04	-9.54649E-06	-5.13891E-05	0.00000E+00
676	9.51079E-05	7.06848E-05	-7.05877E-04	-6.20651E-05	-7.96756E-05	0.00000E+00
677	9.03678E-06	1.53936E-04	-3.32206E-04	-1.04926E-05	-3.01110E-05	0.00000E+00
678	3.87216E-05	8.42644E-07	-2.94123E-04	-1.49893E-04	-3.68988E-05	0.00000E+00
679	4.70428E-05	1.39492E-04	-8.23543E-04	-1.05179E-05	-5.41110E-05	0.00000E+00
680	1.01107E-04	8.32914E-05	-7.30399E-04	-4.61663E-05	-8.26028E-05	0.00000E+00
681	3.80861E-06	1.55762E-04	-2.55321E-04	-1.17580E-05	-2.37867E-05	0.00000E+00
682	2.92393E-05	-2.80454E-06	-2.25133E-04	-1.54632E-04	-2.88949E-05	0.00000E+00
683	5.24378E-05	1.37160E-04	-8.42206E-04	-1.25244E-05	-5.63288E-05	0.00000E+00
684	1.07230E-04	9.55789E-05	-7.47771E-04	-3.04697E-05	-8.47620E-05	0.00000E+00
685	-1.84195E-06	1.55149E-04	-1.78730E-04	-1.14157E-05	-2.14011E-05	0.00000E+00
686	2.31230E-05	-5.48008E-06	-1.53124E-04	-1.64908E-04	-2.19603E-05	0.00000E+00
687	5.85040E-05	1.35332E-04	-8.52674E-04	-1.25899E-05	-5.75089E-05	0.00000E+00
688	1.12833E-04	1.08542E-04	-7.58156E-04	-1.53011E-05	-8.63571E-05	0.00000E+00
689	-5.50003E-06	1.55712E-04	-9.65753E-05	-2.80302E-06	-1.82266E-05	0.00000E+00
690	1.26355E-05	-6.22418E-06	-7.74120E-05	-1.63874E-04	-6.26811E-06	0.00000E+00
691	6.39144E-05	1.32623E-04	-8.56266E-04	-1.09099E-05	-5.91654E-05	0.00000E+00
692	1.18498E-04	1.21105E-04	-7.61752E-04	-5.17779E-07	-8.71147E-05	0.00000E+00
693	6.84077E-05	1.30422E-04	-8.53953E-04	-9.25609E-06	-5.86443E-05	0.00000E+00
694	1.23785E-04	1.34099E-04	-7.58642E-04	1.42849E-05	-8.73010E-05	0.00000E+00
695	7.22591E-05	1.28090E-04	-8.44722E-04	-9.36016E-06	-5.85715E-05	0.00000E+00
696	1.29094E-04	1.46723E-04	-7.48718E-04	2.95450E-05	-8.66184E-05	0.00000E+00
697	7.68125E-05	1.26273E-04	-8.27238E-04	-1.14620E-05	-5.75523E-05	0.00000E+00
698	1.34047E-04	1.59524E-04	-7.31758E-04	4.53682E-05	-8.54150E-05	0.00000E+00
699	8.24032E-05	1.24141E-04	-8.00855E-04	-1.25382E-05	-5.59336E-05	0.00000E+00
700	1.38988E-04	1.71895E-04	-7.07578E-04	6.14689E-05	-8.33421E-05	0.00000E+00
701	8.79464E-05	1.21882E-04	-7.66034E-04	-1.21679E-05	-5.49369E-05	0.00000E+00
702	1.43630E-04	1.84006E-04	-6.76159E-04	7.73783E-05	-8.06235E-05	0.00000E+00
703	9.34439E-05	1.20013E-04	-7.23173E-04	-1.32349E-05	-5.50242E-05	0.00000E+00
704	1.48317E-04	1.95472E-04	-6.37728E-04	9.24981E-05	-7.70726E-05	0.00000E+00
705	9.99578E-05	1.18167E-04	-6.71963E-04	-1.52745E-05	-5.40674E-05	0.00000E+00
706	1.52758E-04	2.06161E-04	-5.92729E-04	1.06437E-04	-7.28759E-05	0.00000E+00
707	1.07133E-04	1.16685E-04	-6.13999E-04	-1.53042E-05	-5.27198E-05	0.00000E+00
708	1.57297E-04	2.16016E-04	-5.41799E-04	1.18732E-04	-6.82599E-05	0.00000E+00
709	1.13714E-04	1.14622E-04	-5.50417E-04	-1.41470E-05	-5.19744E-05	0.00000E+00
710	1.61622E-04	2.24743E-04	-4.85653E-04	1.29459E-04	-6.30227E-05	0.00000E+00
711	1.19914E-04	1.13710E-04	-4.83346E-04	-1.39709E-05	-5.05064E-05	0.00000E+00
712	1.66114E-04	2.32563E-04	-4.25030E-04	1.38505E-04	-5.79442E-05	0.00000E+00
713	1.26203E-04	1.12223E-04	-4.11739E-04	-1.43050E-05	-4.79842E-05	0.00000E+00
714	1.70413E-04	2.39155E-04	-3.60568E-04	1.46371E-04	-5.20671E-05	0.00000E+00
715	1.32616E-04	1.11907E-04	-3.38014E-04	-1.44525E-05	-4.49864E-05	0.00000E+00
716	1.74965E-04	2.44809E-04	-2.92797E-04	1.53146E-04	-4.71046E-05	0.00000E+00
717	1.38949E-04	1.10737E-04	-2.60204E-04	-1.41865E-05	-4.10582E-05	0.00000E+00
718	1.79398E-04	2.49283E-04	-2.22081E-04	1.59180E-04	-4.07034E-05	0.00000E+00
719	1.45424E-04	1.11139E-04	-1.82161E-04	-1.67340E-05	-3.88639E-05	0.00000E+00
720	1.84110E-04	2.52660E-04	-1.48354E-04	1.67003E-04	-3.47875E-05	0.00000E+00
721	1.89426E-04	2.75944E-04	-1.03156E-04	1.88299E-04	-2.46664E-05	0.00000E+00
722	1.89846E-04	2.72951E-04	-9.90628E-05	1.83884E-04	-3.06499E-05	-8.33075E-06
723	1.78832E-04	2.18200E-04	-9.83529E-05	-1.40541E-05	-3.50656E-05	0.00000E+00
724	1.88951E-04	2.65470E-04	-8.84683E-05	1.77516E-04	-3.29290E-05	0.00000E+00
725	1.67310E-04	1.64702E-04	-1.00919E-04	-2.06621E-05	-3.66880E-05	0.00000E+00
726	1.89322E-04	2.59497E-04	-7.96711E-05	1.79300E-04	-2.80405E-05	0.00000E+00
727	1.55050E-04	1.11120E-04	-9.86139E-05	-2.64255E-05	-3.76880E-05	0.00000E+00
728	1.88860E-04	2.54765E-04	-7.13717E-05	1.70379E-04	-2.49946E-05	0.00000E+00
729	8.82484E-06	-2.03399E-06	-2.06497E-05	-1.67167E-04	-7.00331E-06	-4.95263E-06
730	1.94613E-04	2.77235E-04	-2.18691E-05	1.71375E-04	-1.20999E-05	-1.90242E-05
731	-1.30579E-05	2.08562E-04	-1.61665E-05	-1.67237E-04	-1.27678E-05	-1.08070E-05
732	-6.89363E-06	1.55200E-04	-1.90938E-05	-1.62264E-04	-1.43658E-05	-9.90652E-06
733	-3.79858E-06	1.03000E-04	-1.55781E-05	-1.60522E-04	-1.67899E-05	-8.91546E-06
734	-9.94006E-06	2.08317E-04	-9.80852E-05	-1.85857E-04	-8.04183E-06	-2.97374E-06
735	3.75157E-06	5.06018E-05	-1.92646E-05	-1.61213E-04	-1.83918E-05	-5.06922E-06

736	-8.02154E-06	2.07968E-04	-1.78309E-04	-1.71859E-04	-1.49720E-05	-8.32233E-06
737	6.90612E-06	-2.12338E-06	-1.72125E-05	-1.64168E-04	-1.08520E-05	-4.83889E-06
738	-4.24291E-06	2.05254E-04	-2.56003E-04	-1.67837E-04	-2.83247E-05	-8.20330E-06
739	-1.78322E-06	2.04049E-04	-3.31305E-04	-1.64670E-04	-3.65240E-05	-7.28651E-06
740	1.75810E-06	2.00029E-04	-4.05120E-04	-1.59714E-04	-4.15469E-05	-7.80116E-06
741	4.36773E-06	1.97552E-04	-4.75551E-04	-1.51701E-04	-4.79019E-05	-7.03181E-06
742	7.65181E-06	1.92387E-04	-5.42679E-04	-1.43951E-04	-5.41949E-05	-7.43852E-06
743	1.03664E-05	1.88570E-04	-6.06093E-04	-1.38018E-04	-5.93838E-05	-6.68519E-06
744	1.37515E-05	1.82108E-04	-6.65612E-04	-1.27140E-04	-5.43382E-05	-7.19601E-06
745	1.68244E-05	1.76434E-04	-7.17465E-04	-1.04808E-04	-5.49030E-05	-7.62573E-06
746	2.03285E-05	1.68878E-04	-7.60876E-04	-8.54487E-05	-6.34299E-05	-8.45719E-06
747	2.38761E-05	1.62339E-04	-7.96514E-04	-7.19373E-05	-6.67669E-05	-8.60482E-06
748	2.80012E-05	1.54433E-04	-8.24273E-04	-5.13158E-05	-6.43234E-05	-9.44095E-06
749	3.20861E-05	1.47384E-04	-8.42571E-04	-2.65665E-05	-7.04460E-05	-1.02320E-05
750	3.65287E-05	1.39806E-04	-8.51962E-04	-1.16113E-05	-8.17092E-05	-1.07457E-05
751	4.11343E-05	1.33159E-04	-8.55261E-04	-1.41646E-06	-8.41074E-05	-1.05939E-05
752	4.60723E-05	1.25982E-04	-8.53238E-04	8.80914E-06	-8.27584E-05	-1.05568E-05
753	5.12085E-05	1.18890E-04	-8.45089E-04	2.38938E-05	-7.25165E-05	-1.10094E-05
754	5.66846E-05	1.11267E-04	-8.27957E-04	4.88290E-05	-6.74598E-05	-1.19976E-05
755	6.22339E-05	1.03806E-04	-8.01263E-04	6.97390E-05	-7.08791E-05	-1.28029E-05
756	6.83155E-05	9.66549E-05	-7.66540E-04	8.35799E-05	-6.86212E-05	-1.32675E-05
757	7.46533E-05	8.95130E-05	-7.23884E-04	1.03376E-04	-6.10005E-05	-1.40655E-05
758	8.13245E-05	8.32029E-05	-6.72564E-04	1.26163E-04	-6.15381E-05	-1.49825E-05
759	8.80363E-05	7.71396E-05	-6.13374E-04	1.37599E-04	-6.73906E-05	-1.54108E-05
760	9.52267E-05	7.26937E-05	-5.50007E-04	1.44090E-04	-6.33587E-05	-1.54141E-05
761	1.02422E-04	6.79333E-05	-4.82693E-04	1.52456E-04	-5.77301E-05	-1.56349E-05
762	1.09958E-04	6.49012E-05	-4.11761E-04	1.61106E-04	-5.26293E-05	-1.61435E-05
763	1.17546E-04	6.13078E-05	-3.37199E-04	1.66653E-04	-4.80386E-05	-1.63772E-05
764	1.25728E-04	5.97315E-05	-2.60829E-04	1.70567E-04	-4.12070E-05	-1.80523E-05
765	1.34459E-04	5.74604E-05	-1.81831E-04	1.74845E-04	-2.75288E-05	-1.75391E-05
766	1.44423E-04	5.69925E-05	-1.00104E-04	1.89893E-04	-2.14775E-05	-2.89550E-05
767	1.56611E-04	5.69359E-05	-1.61673E-05	1.71451E-04	-2.14210E-05	-1.56571E-05
768	1.65674E-04	1.11605E-04	-1.92547E-05	1.66627E-04	-3.15362E-05	-1.55253E-05
769	1.75808E-04	1.65253E-04	-1.62686E-05	1.65256E-04	-3.28038E-05	-1.57784E-05
770	1.86143E-04	2.19079E-04	-1.92731E-05	1.66183E-04	-2.95964E-05	-1.77874E-05
771	1.94026E-04	2.73359E-04	-1.74714E-05	1.68816E-04	-2.09099E-05	-1.82477E-05
772	1.00036E-05	-1.56103E-06	-1.29884E-05	-1.57121E-04	-3.55812E-05	-2.39955E-06
773	0.00000E+00	0.00000E+00	0.00000E+00	-1.53661E-04	-8.76055E-06	-1.03665E-05
774	4.29537E-06	-7.57764E-06	-7.34863E-06	-1.54048E-04	8.23145E-06	-1.72073E-05
775	6.71317E-05	2.38387E-05	-5.24770E-04	-1.15604E-04	-3.58950E-05	-1.51193E-05
776	7.42765E-05	3.29753E-05	-5.74493E-04	-1.04315E-04	-3.74051E-05	-1.48089E-05
777	6.01050E-05	1.50476E-05	-4.70402E-04	-1.26238E-04	-3.43990E-05	-1.54229E-05
778	8.09873E-05	4.39626E-05	-6.18376E-04	-9.05941E-05	-3.86908E-05	-1.42087E-05
779	5.25289E-05	8.20818E-06	-4.11488E-04	-1.33849E-04	-3.21619E-05	-1.54739E-05
780	8.76536E-05	5.50525E-05	-6.56004E-04	-7.62220E-05	-4.03605E-05	-1.36475E-05
781	4.53033E-05	1.73666E-06	-3.49668E-04	-1.41976E-04	-2.99531E-05	-1.57522E-05
782	9.39668E-05	6.74966E-05	-6.86810E-04	-6.06238E-05	-4.20571E-05	-1.30124E-05
783	3.73459E-05	-2.98111E-06	-2.84097E-04	-1.46545E-04	-2.71049E-05	-1.58141E-05
784	1.00147E-04	7.96640E-05	-7.10566E-04	-4.50727E-05	-4.40531E-05	-1.24357E-05
785	2.99959E-05	-7.32512E-06	-2.17167E-04	-1.53419E-04	-2.45065E-05	-1.59949E-05
786	1.06011E-04	9.25841E-05	-7.27327E-04	-2.95380E-05	-4.59589E-05	-1.19282E-05
787	2.17366E-05	-1.00221E-05	-1.46380E-04	-1.57168E-04	-2.07079E-05	-1.65371E-05
788	1.11719E-04	1.04942E-04	-7.37186E-04	-1.47162E-05	-4.77149E-05	-1.17325E-05
789	1.32912E-05	-1.24406E-05	-7.62428E-05	-1.61552E-04	-1.41176E-05	-1.79148E-05
790	1.17223E-04	1.17715E-04	-7.40544E-04	-2.69638E-07	-4.86832E-05	-1.17912E-05
791	3.63407E-06	-1.23558E-05	-2.49888E-06	-1.55939E-04	-1.35384E-05	-1.73758E-05
792	1.22643E-04	1.30096E-04	-7.37357E-04	1.41555E-05	-4.88614E-05	-1.18865E-05
793	1.27896E-04	1.42914E-04	-7.27653E-04	2.91112E-05	-4.82821E-05	-1.17301E-05
794	1.32997E-04	1.55521E-04	-7.10976E-04	4.47230E-05	-4.75322E-05	-1.13420E-05
795	1.37901E-04	1.68202E-04	-6.87265E-04	6.05302E-05	-4.67860E-05	-1.08793E-05
796	1.42667E-04	1.80426E-04	-6.56357E-04	7.62897E-05	-4.62832E-05	-1.04557E-05
797	1.47300E-04	1.92073E-04	-6.18570E-04	9.10598E-05	-4.59844E-05	-1.00766E-05

798	1.51853E-04	2.02952E-04	-5.74289E-04	1.05016E-04	-4.59523E-05	-9.78456E-06
799	1.56321E-04	2.12683E-04	-5.24104E-04	1.16892E-04	-4.59977E-05	-9.70387E-06
800	1.60788E-04	2.21507E-04	-4.68913E-04	1.27803E-04	-4.58302E-05	-9.79394E-06
801	1.65227E-04	2.28983E-04	-4.09121E-04	1.36309E-04	-4.54012E-05	-9.98032E-06
802	1.69729E-04	2.35652E-04	-3.45882E-04	1.44650E-04	-4.45553E-05	-1.01672E-05
803	1.74235E-04	2.41068E-04	-2.78912E-04	1.50682E-04	-4.36282E-05	-1.04689E-05
804	1.78868E-04	2.45717E-04	-2.09707E-04	1.57593E-04	-4.18859E-05	-1.11638E-05
805	1.83667E-04	2.49135E-04	-1.37103E-04	1.62302E-04	-3.91550E-05	-1.22458E-05
806	1.88435E-04	2.51502E-04	-6.36102E-05	1.67607E-04	-3.31507E-05	-1.28325E-05
807	1.95034E-04	2.66690E-04	-1.16730E-05	1.63810E-04	-3.16373E-05	-1.84634E-05
808	1.93550E-04	2.60702E-04	0.00000E+00	1.62656E-04	-2.56383E-05	-1.67389E-05
809	1.93090E-04	2.55968E-04	3.41308E-06	1.60769E-04	-1.73631E-05	-1.48911E-05
810	1.93331E-04	2.51900E-04	1.19394E-05	1.61469E-04	-3.07938E-05	-1.37760E-05
811	-9.53335E-06	1.51173E-04	-1.24893E-05	-1.28061E-05	-1.61085E-04	0.00000E+00
812	-1.22966E-05	2.04110E-04	-1.52744E-05	-1.68445E-04	-4.87682E-06	-1.41616E-05
813	-1.14590E-05	2.03519E-04	-9.90850E-05	-1.89357E-04	1.45225E-05	0.00000E+00
814	-1.29490E-06	9.98309E-05	-1.42753E-05	-1.04623E-05	-1.57131E-04	0.00000E+00
815	-1.81225E-06	4.94249E-05	-9.41072E-06	-5.90847E-06	-1.56229E-04	0.00000E+00
816	-7.01622E-06	2.01755E-04	-1.76921E-04	-1.55628E-04	-6.71385E-06	0.00000E+00
817	-4.82268E-06	2.00798E-04	-2.47125E-04	-1.57630E-04	-2.92415E-05	0.00000E+00
818	-6.31098E-07	1.97473E-04	-3.19719E-04	-1.61179E-04	-3.95544E-05	0.00000E+00
819	1.97069E-06	1.95464E-04	-3.91478E-04	-1.55126E-04	-4.71013E-05	0.00000E+00
820	5.70470E-06	1.90946E-04	-4.60006E-04	-1.47102E-04	-5.40249E-05	0.00000E+00
821	8.45404E-06	1.87700E-04	-5.24645E-04	-1.38037E-04	-6.23352E-05	0.00000E+00
822	1.19712E-05	1.81983E-04	-5.87088E-04	-1.39508E-04	-6.44429E-05	0.00000E+00
823	1.50282E-05	1.77290E-04	-6.52441E-04	-1.45417E-04	-4.70968E-05	0.00000E+00
824	1.86112E-05	1.70524E-04	-7.09350E-04	-9.99913E-05	-1.55711E-05	0.00000E+00
825	2.19284E-05	1.64617E-04	-7.45134E-04	-6.56470E-05	-5.43489E-05	0.00000E+00
826	2.57784E-05	1.57146E-04	-7.79696E-04	-8.67716E-05	-5.82672E-05	0.00000E+00
827	2.96490E-05	1.50581E-04	-8.12791E-04	-5.12552E-05	-2.77660E-05	0.00000E+00
828	3.38934E-05	1.43092E-04	-8.23894E-04	-3.22126E-06	-6.70870E-05	0.00000E+00
829	3.81690E-05	1.36383E-04	-8.25016E-04	-4.93996E-06	-9.31542E-05	0.00000E+00
830	4.28493E-05	1.29095E-04	-8.26843E-04	-1.08814E-06	-9.92919E-05	0.00000E+00
831	4.77172E-05	1.22297E-04	-8.25992E-04	2.79849E-06	-9.40962E-05	0.00000E+00
832	5.29656E-05	1.15048E-04	-8.25814E-04	1.19328E-06	-6.89686E-05	0.00000E+00
833	5.83439E-05	1.07999E-04	-8.15586E-04	4.94084E-05	-3.05461E-05	0.00000E+00
834	6.40166E-05	1.00848E-04	-7.83268E-04	8.51841E-05	-6.19437E-05	0.00000E+00
835	6.99302E-05	9.37728E-05	-7.49346E-04	6.43799E-05	-5.88374E-05	0.00000E+00
836	7.62133E-05	8.72407E-05	-7.14045E-04	9.91213E-05	-2.08861E-05	0.00000E+00
837	8.26182E-05	8.08329E-05	-6.57420E-04	1.44993E-04	-5.31073E-05	0.00000E+00
838	8.92438E-05	7.54922E-05	-5.92140E-04	1.39603E-04	-7.12134E-05	0.00000E+00
839	9.60516E-05	7.01054E-05	-5.29516E-04	1.38683E-04	-6.96930E-05	0.00000E+00
840	1.03092E-04	6.62239E-05	-4.64446E-04	1.48357E-04	-6.21313E-05	0.00000E+00
841	1.10216E-04	6.20166E-05	-3.95192E-04	1.56995E-04	-5.57572E-05	0.00000E+00
842	1.17611E-04	5.94697E-05	-3.22450E-04	1.63680E-04	-4.90126E-05	0.00000E+00
843	1.25278E-04	5.64657E-05	-2.48584E-04	1.60621E-04	-3.91333E-05	0.00000E+00
844	1.33753E-04	5.52757E-05	-1.76991E-04	1.58841E-04	-1.71080E-05	0.00000E+00
845	1.43457E-04	5.39065E-05	-9.77212E-05	1.92344E-04	4.54198E-06	0.00000E+00
846	1.55002E-04	5.34842E-05	-1.24521E-05	1.72933E-04	-1.52523E-05	-1.17949E-05
847	1.64663E-04	1.07989E-04	-1.00977E-05	-1.28465E-05	1.66111E-04	0.00000E+00
848	1.75264E-04	1.61118E-04	-1.19661E-05	-1.42533E-05	1.63121E-04	0.00000E+00
849	1.84039E-04	2.13845E-04	-9.38512E-06	-1.70934E-05	1.62867E-04	0.00000E+00
850	3.74030E-06	4.68769E-05	-8.90521E-06	-1.04581E-05	-1.51509E-04	0.00000E+00
851	1.84964E-07	4.30994E-05	-3.54303E-06	-1.45746E-05	-1.53992E-04	0.00000E+00
852	8.15962E-07	3.81512E-05	-4.81245E-06	-1.54310E-04	-1.30367E-05	-1.55899E-05
853	5.63780E-05	6.03154E-05	-5.25890E-04	-1.48940E-05	-3.43546E-05	0.00000E+00
854	6.31075E-05	6.65602E-05	-5.75477E-04	-1.45520E-05	-3.56483E-05	0.00000E+00
855	4.95464E-05	5.57185E-05	-4.70977E-04	-1.50165E-05	-3.30411E-05	0.00000E+00
856	6.96129E-05	7.25274E-05	-6.19648E-04	-1.39273E-05	-3.68069E-05	0.00000E+00
857	4.27224E-05	5.08352E-05	-4.12532E-04	-1.50495E-05	-3.10136E-05	0.00000E+00
858	7.57880E-05	7.98657E-05	-6.57261E-04	-1.32554E-05	-3.83401E-05	0.00000E+00
859	3.58679E-05	4.76157E-05	-3.49778E-04	-1.51753E-05	-2.91004E-05	0.00000E+00

860	8.16464E-05	8.68091E-05	-6.88157E-04	-1.26015E-05	-3.99278E-05	0.00000E+00
861	2.89850E-05	4.40635E-05	-2.85259E-04	-1.52655E-05	-2.65019E-05	0.00000E+00
862	8.71795E-05	9.47266E-05	-7.11940E-04	-1.19520E-05	-4.17187E-05	0.00000E+00
863	2.20615E-05	4.21363E-05	-2.16635E-04	-1.54286E-05	-2.43706E-05	0.00000E+00
864	9.24222E-05	1.02138E-04	-7.28653E-04	-1.14375E-05	-4.35438E-05	0.00000E+00
865	1.50533E-05	3.97691E-05	-1.48028E-04	-1.59900E-05	-2.11414E-05	0.00000E+00
866	9.75107E-05	1.10124E-04	-7.38524E-04	-1.13408E-05	-4.52280E-05	0.00000E+00
867	7.88210E-06	3.90880E-05	-7.48022E-05	-1.59523E-05	-1.68969E-05	0.00000E+00
868	1.02683E-04	1.17590E-04	-7.41797E-04	-1.16408E-05	-4.62262E-05	0.00000E+00
869	1.08056E-04	1.25483E-04	-7.38704E-04	-1.19614E-05	-4.63891E-05	0.00000E+00
870	1.13529E-04	1.33083E-04	-7.28978E-04	-1.19141E-05	-4.58931E-05	0.00000E+00
871	1.18881E-04	1.40954E-04	-7.12382E-04	-1.14938E-05	-4.52479E-05	0.00000E+00
872	1.23989E-04	1.48535E-04	-6.88608E-04	-1.09682E-05	-4.47192E-05	0.00000E+00
873	1.28843E-04	1.55960E-04	-6.57673E-04	-1.04874E-05	-4.43643E-05	0.00000E+00
874	1.33458E-04	1.63027E-04	-6.19827E-04	-1.00128E-05	-4.42141E-05	0.00000E+00
875	1.37851E-04	1.69489E-04	-5.75372E-04	-9.63785E-06	-4.43696E-05	0.00000E+00
876	1.42126E-04	1.75542E-04	-5.25188E-04	-9.55396E-06	-4.46358E-05	0.00000E+00
877	1.46438E-04	1.80650E-04	-4.69647E-04	-9.74046E-06	-4.47340E-05	0.00000E+00
878	1.50877E-04	1.85430E-04	-4.10081E-04	-9.99723E-06	-4.44914E-05	0.00000E+00
879	1.55446E-04	1.89191E-04	-3.46260E-04	-1.02408E-05	-4.40421E-05	0.00000E+00
880	1.60142E-04	1.92695E-04	-2.79863E-04	-1.05985E-05	-4.33485E-05	0.00000E+00
881	1.65111E-04	1.95224E-04	-2.09686E-04	-1.14146E-05	-4.22979E-05	0.00000E+00
882	1.70661E-04	1.97449E-04	-1.38171E-04	-1.28422E-05	-4.01997E-05	0.00000E+00
883	1.77088E-04	1.98649E-04	-6.30657E-05	-1.45888E-05	-3.57894E-05	0.00000E+00
884	1.84049E-04	1.99408E-04	1.07690E-05	1.60113E-04	-3.18828E-05	-1.56731E-05
885	1.84581E-04	2.08875E-04	-3.96875E-06	-1.61090E-05	1.60462E-04	0.00000E+00
886	1.84399E-04	2.04171E-04	5.22682E-06	-1.56556E-05	1.60142E-04	0.00000E+00
887	-7.13652E-06	1.46692E-04	-1.09361E-05	-1.39281E-05	-1.59380E-04	0.00000E+00
888	-1.48581E-05	1.99460E-04	-1.04448E-05	-1.71836E-04	-1.45821E-05	-1.45772E-05
889	-5.20158E-06	9.63081E-05	-7.94725E-06	-1.20628E-05	-1.54841E-04	0.00000E+00
890	-1.01489E-05	1.98228E-04	-1.03415E-04	-1.93131E-04	-1.81623E-05	0.00000E+00
891	-8.33781E-06	1.97458E-04	-1.71864E-04	-1.34632E-04	-2.67234E-05	0.00000E+00
892	-3.53797E-06	1.94911E-04	-2.37563E-04	-1.54258E-04	-3.34148E-05	0.00000E+00
893	-8.57007E-07	1.93230E-04	-3.07576E-04	-1.55125E-04	-4.02517E-05	0.00000E+00
894	3.29473E-06	1.89417E-04	-3.77006E-04	-1.50639E-04	-4.76733E-05	0.00000E+00
895	6.19001E-06	1.86715E-04	-4.43274E-04	-1.41565E-04	-5.51599E-05	0.00000E+00
896	9.95029E-06	1.81712E-04	-5.05611E-04	-1.34343E-04	-6.25868E-05	0.00000E+00
897	1.30044E-05	1.77705E-04	-5.66365E-04	-1.33270E-04	-7.07416E-05	0.00000E+00
898	1.66326E-05	1.71591E-04	-6.33195E-04	-1.63099E-04	-7.95489E-05	0.00000E+00
899	1.99229E-05	1.66366E-04	-7.00667E-04	-9.73811E-05	-8.68267E-05	0.00000E+00
900	2.36703E-05	1.59400E-04	-7.22861E-04	-3.82036E-05	-9.19493E-05	0.00000E+00
901	2.73055E-05	1.53239E-04	-7.56146E-04	-1.08588E-04	-9.62921E-05	0.00000E+00
902	3.13377E-05	1.45917E-04	-8.00241E-04	-4.82812E-05	-9.98576E-05	0.00000E+00
903	3.54040E-05	1.39425E-04	-7.98270E-04	1.99371E-05	-1.01089E-04	0.00000E+00
904	3.98543E-05	1.32198E-04	-7.95278E-04	-5.20265E-06	-1.00511E-04	0.00000E+00
905	4.44333E-05	1.25551E-04	-7.96376E-04	-7.81970E-07	-1.00324E-04	0.00000E+00
906	4.93733E-05	1.18410E-04	-7.95980E-04	3.67242E-06	-1.01391E-04	0.00000E+00
907	5.44913E-05	1.11622E-04	-7.99643E-04	-2.13693E-05	-1.02836E-04	0.00000E+00
908	5.99332E-05	1.04583E-04	-8.02226E-04	4.70141E-05	-1.02445E-04	0.00000E+00
909	6.55717E-05	9.76486E-05	-7.58654E-04	1.07548E-04	-9.96824E-05	0.00000E+00
910	7.14714E-05	9.08953E-05	-7.25775E-04	3.74581E-05	-9.60910E-05	0.00000E+00
911	7.75700E-05	8.42640E-05	-7.03838E-04	9.69886E-05	-9.16678E-05	0.00000E+00
912	8.38660E-05	7.84091E-05	-6.36451E-04	1.63126E-04	-8.50236E-05	0.00000E+00
913	9.03513E-05	7.25765E-05	-5.69498E-04	1.33776E-04	-7.68062E-05	0.00000E+00
914	9.69450E-05	6.79183E-05	-5.08393E-04	1.35393E-04	-6.91863E-05	0.00000E+00
915	1.03704E-04	6.31396E-05	-4.45440E-04	1.43215E-04	-6.23025E-05	0.00000E+00
916	1.10545E-04	5.98026E-05	-3.78282E-04	1.52932E-04	-5.53555E-05	0.00000E+00
917	1.17589E-04	5.61628E-05	-3.07662E-04	1.58052E-04	-4.85419E-05	0.00000E+00
918	1.24932E-04	5.39869E-05	-2.36221E-04	1.57657E-04	-4.23425E-05	0.00000E+00
919	1.32721E-04	5.16618E-05	-1.68956E-04	1.38135E-04	-3.63364E-05	0.00000E+00
920	1.42203E-04	5.09283E-05	-9.90194E-05	1.96437E-04	-2.88671E-05	0.00000E+00
921	1.53318E-04	5.02120E-05	-4.27529E-06	1.76661E-04	-2.57301E-05	-1.21817E-05

922	1.63990E-04	1.04654E-04	-5.12507E-06	-1.26768E-05	1.64843E-04	0.00000E+00
923	1.74087E-04	1.57017E-04	-2.95840E-06	-1.44157E-05	1.61186E-04	0.00000E+00
924	-2.27071E-06	9.24716E-05	-6.79194E-06	-1.27937E-05	-1.54345E-04	0.00000E+00
925	-3.39853E-06	8.87042E-05	-2.60650E-06	-1.54581E-04	-1.62668E-05	-1.24660E-05
926	2.03579E-06	8.87047E-05	-7.67997E-05	-1.27520E-05	-1.90891E-05	0.00000E+00
927	4.52262E-05	9.69734E-05	-5.26111E-04	-1.36531E-05	-3.78906E-05	0.00000E+00
928	5.15909E-05	9.85079E-05	-5.76216E-04	-1.34017E-05	-3.99234E-05	0.00000E+00
929	3.88739E-05	9.46050E-05	-4.71612E-04	-1.35260E-05	-3.55587E-05	0.00000E+00
930	5.76912E-05	1.01365E-04	-6.20226E-04	-1.27047E-05	-4.19378E-05	0.00000E+00
931	3.26609E-05	9.36805E-05	-4.12401E-04	-1.33971E-05	-3.30384E-05	0.00000E+00
932	6.33657E-05	1.03445E-04	-6.58036E-04	-1.19750E-05	-4.39845E-05	0.00000E+00
933	2.64938E-05	9.17255E-05	-3.50591E-04	-1.33916E-05	-3.04271E-05	0.00000E+00
934	6.86998E-05	1.06522E-04	-6.88859E-04	-1.13669E-05	-4.58239E-05	0.00000E+00
935	2.03457E-05	9.13344E-05	-2.84716E-04	-1.34588E-05	-2.78178E-05	0.00000E+00
936	7.37023E-05	1.08976E-04	-7.12693E-04	-1.07154E-05	-4.74177E-05	0.00000E+00
937	1.41519E-05	8.98660E-05	-2.17879E-04	-1.36230E-05	-2.51752E-05	0.00000E+00
938	7.83525E-05	1.12213E-04	-7.29347E-04	-1.02341E-05	-4.89584E-05	0.00000E+00
939	7.93806E-06	8.98714E-05	-1.47041E-04	-1.35347E-05	-2.24438E-05	0.00000E+00
940	8.28801E-05	1.14833E-04	-7.39053E-04	-1.04239E-05	-5.03083E-05	0.00000E+00
941	8.77115E-05	1.17873E-04	-7.42301E-04	-1.12291E-05	-5.11449E-05	0.00000E+00
942	9.30479E-05	1.20487E-04	-7.39232E-04	-1.20468E-05	-5.14278E-05	0.00000E+00
943	9.86991E-05	1.23539E-04	-7.29688E-04	-1.22771E-05	-5.12090E-05	0.00000E+00
944	1.04254E-04	1.26362E-04	-7.13129E-04	-1.18665E-05	-5.08212E-05	0.00000E+00
945	1.09492E-04	1.29247E-04	-6.89346E-04	-1.13189E-05	-5.04077E-05	0.00000E+00
946	1.14455E-04	1.31930E-04	-6.58431E-04	-1.08463E-05	-4.97859E-05	0.00000E+00
947	1.19140E-04	1.34433E-04	-6.20472E-04	-1.02836E-05	-4.89988E-05	0.00000E+00
948	1.23485E-04	1.36925E-04	-5.76072E-04	-9.78147E-06	-4.82989E-05	0.00000E+00
949	1.27650E-04	1.38871E-04	-5.25527E-04	-9.75205E-06	-4.76340E-05	0.00000E+00
950	1.31939E-04	1.40906E-04	-4.70201E-04	-1.01205E-05	-4.67345E-05	0.00000E+00
951	1.36465E-04	1.42238E-04	-4.10154E-04	-1.05165E-05	-4.56924E-05	0.00000E+00
952	1.41178E-04	1.43872E-04	-3.46901E-04	-1.08449E-05	-4.46009E-05	0.00000E+00
953	1.46067E-04	1.44700E-04	-2.79677E-04	-1.13030E-05	-4.35077E-05	0.00000E+00
954	1.51291E-04	1.45809E-04	-2.10580E-04	-1.22682E-05	-4.23640E-05	0.00000E+00
955	1.57262E-04	1.46297E-04	-1.37777E-04	-1.45661E-05	-4.10432E-05	0.00000E+00
956	1.64906E-04	1.47113E-04	-6.43853E-05	-1.81578E-05	-3.85296E-05	0.00000E+00
957	1.74017E-04	1.47322E-04	1.20803E-05	1.60188E-04	-3.51870E-05	-1.84568E-05
958	1.74171E-04	1.52557E-04	3.08986E-06	-1.59777E-05	1.60544E-04	0.00000E+00
959	-9.59728E-06	1.42680E-04	-6.34278E-06	-1.34605E-05	-1.57747E-04	0.00000E+00
960	-1.36859E-05	1.94299E-04	-7.54526E-06	-1.63833E-04	-1.58875E-05	-1.30703E-05
961	-1.20998E-05	1.94099E-04	-8.81159E-05	-1.79716E-04	-5.07491E-05	0.00000E+00
962	-7.19643E-06	1.92253E-04	-1.60936E-04	-1.45576E-04	-4.38896E-05	0.00000E+00
963	-4.05550E-06	1.90844E-04	-2.27088E-04	-1.49266E-04	-3.51900E-05	0.00000E+00
964	3.34836E-07	1.87724E-04	-2.95594E-04	-1.51889E-04	-3.82428E-05	0.00000E+00
965	3.54841E-06	1.85525E-04	-3.62870E-04	-1.45461E-04	-4.50473E-05	0.00000E+00
966	7.49324E-06	1.81249E-04	-4.26946E-04	-1.37748E-04	-5.21329E-05	0.00000E+00
967	1.07958E-05	1.77928E-04	-4.87175E-04	-1.28428E-04	-5.79187E-05	0.00000E+00
968	1.44983E-05	1.72452E-04	-5.44833E-04	-1.28827E-04	-7.03769E-05	0.00000E+00
969	1.77919E-05	1.67829E-04	-6.04959E-04	-1.35069E-04	-1.03277E-04	0.00000E+00
970	2.14735E-05	1.61363E-04	-6.57550E-04	-9.23999E-05	-1.48019E-04	0.00000E+00
971	2.50813E-05	1.55643E-04	-6.90353E-04	-5.99884E-05	-1.18687E-04	0.00000E+00
972	2.89496E-05	1.48494E-04	-7.22330E-04	-8.13857E-05	-1.22931E-04	0.00000E+00
973	3.27622E-05	1.42169E-04	-7.53236E-04	-4.78901E-05	-1.60228E-04	0.00000E+00
974	3.69545E-05	1.35000E-04	-7.63580E-04	-2.84861E-06	-1.23751E-04	0.00000E+00
975	4.13193E-05	1.28548E-04	-7.65009E-04	-5.37645E-06	-9.78018E-05	0.00000E+00
976	4.60216E-05	1.21547E-04	-7.66885E-04	-4.95438E-07	-9.22468E-05	0.00000E+00
977	5.08443E-05	1.14992E-04	-7.65449E-04	4.41499E-06	-9.86538E-05	0.00000E+00
978	5.59800E-05	1.08037E-04	-7.64434E-04	1.97626E-06	-1.25446E-04	0.00000E+00
979	6.13713E-05	1.01257E-04	-7.54452E-04	4.71629E-05	-1.62751E-04	0.00000E+00
980	6.70705E-05	9.43795E-05	-7.23828E-04	8.08645E-05	-1.26248E-04	0.00000E+00
981	7.29029E-05	8.75631E-05	-6.92031E-04	5.97262E-05	-1.22769E-04	0.00000E+00
982	7.88545E-05	8.12450E-05	-6.59275E-04	9.24651E-05	-1.52804E-04	0.00000E+00
983	8.50600E-05	7.50483E-05	-6.06576E-04	1.35512E-04	-1.08747E-04	0.00000E+00

984	9.13929E-05	6.97859E-05	-5.46150E-04	1.29732E-04	-7.64370E-05	0.00000E+00
985	9.78551E-05	6.45060E-05	-4.87976E-04	1.29845E-04	-6.46038E-05	0.00000E+00
986	1.04259E-04	6.05142E-05	-4.26973E-04	1.39781E-04	-5.93223E-05	0.00000E+00
987	1.10909E-04	5.63479E-05	-3.61839E-04	1.48152E-04	-5.28694E-05	0.00000E+00
988	1.17546E-04	5.34824E-05	-2.93194E-04	1.55270E-04	-4.66523E-05	0.00000E+00
989	1.24530E-04	5.04114E-05	-2.23031E-04	1.53222E-04	-4.44478E-05	0.00000E+00
990	1.31780E-04	4.85191E-05	-1.55036E-04	1.49873E-04	-5.45133E-05	0.00000E+00
991	1.40161E-04	4.69465E-05	-8.02088E-05	1.84233E-04	-6.29774E-05	0.00000E+00
992	1.51553E-04	4.70209E-05	2.38171E-06	1.68817E-04	-3.11290E-05	-1.49335E-05
993	1.62805E-04	1.00477E-04	3.56086E-06	-1.48835E-05	1.63323E-04	0.00000E+00
994	-8.61722E-06	1.39041E-04	-3.64371E-06	-1.56895E-04	-1.92278E-05	-1.09598E-05
995	-4.77820E-06	1.39254E-04	-7.61302E-05	-9.75094E-06	-2.10669E-05	0.00000E+00
996	4.15887E-07	1.38444E-04	-1.48231E-04	-1.15181E-05	-2.39791E-05	0.00000E+00
997	3.21269E-05	1.32260E-04	-5.26243E-04	-1.11609E-05	-4.60883E-05	0.00000E+00
998	3.76733E-05	1.31279E-04	-5.76178E-04	-1.09776E-05	-5.06483E-05	0.00000E+00
999	2.67249E-05	1.34455E-04	-4.71139E-04	-1.11872E-05	-4.17711E-05	0.00000E+00
1000	4.29607E-05	1.29077E-04	-6.20582E-04	-1.07558E-05	-5.46144E-05	0.00000E+00
1001	2.14830E-05	1.34984E-04	-4.12682E-04	-1.10794E-05	-3.79425E-05	0.00000E+00
1002	4.78319E-05	1.27734E-04	-6.58099E-04	-1.03687E-05	-5.74647E-05	0.00000E+00
1003	1.62770E-05	1.36762E-04	-3.50031E-04	-1.10783E-05	-3.41563E-05	0.00000E+00
1004	5.25196E-05	1.25266E-04	-6.89035E-04	-9.89381E-06	-5.98845E-05	0.00000E+00
1005	1.10441E-05	1.36945E-04	-2.85228E-04	-1.11939E-05	-3.05573E-05	0.00000E+00
1006	5.70437E-05	1.23728E-04	-7.12888E-04	-9.61308E-06	-6.17454E-05	0.00000E+00
1007	5.77469E-06	1.38545E-04	-2.17171E-04	-1.15041E-05	-2.71291E-05	0.00000E+00
1008	6.12425E-05	1.21566E-04	-7.29412E-04	-9.67341E-06	-6.25720E-05	0.00000E+00
1009	6.53647E-05	1.19965E-04	-7.38874E-04	-1.00537E-05	-6.25827E-05	0.00000E+00
1010	6.99587E-05	1.17727E-04	-7.41893E-04	-1.08437E-05	-6.28455E-05	0.00000E+00
1011	7.51793E-05	1.15920E-04	-7.39058E-04	-1.16449E-05	-6.36003E-05	0.00000E+00
1012	8.08787E-05	1.13864E-04	-7.29749E-04	-1.20510E-05	-6.46054E-05	0.00000E+00
1013	8.65204E-05	1.12107E-04	-7.13340E-04	-1.21707E-05	-6.48356E-05	0.00000E+00
1014	9.18654E-05	1.10094E-04	-6.89509E-04	-1.19730E-05	-6.40086E-05	0.00000E+00
1015	9.70921E-05	1.08002E-04	-6.58529E-04	-1.16155E-05	-6.26947E-05	0.00000E+00
1016	1.02186E-04	1.06170E-04	-6.20799E-04	-1.13652E-05	-6.09043E-05	0.00000E+00
1017	1.06934E-04	1.04307E-04	-5.76101E-04	-1.13133E-05	-5.81120E-05	0.00000E+00
1018	1.11493E-04	1.02822E-04	-5.25600E-04	-1.13147E-05	-5.46443E-05	0.00000E+00
1019	1.16290E-04	1.00925E-04	-4.69849E-04	-1.15104E-05	-5.15806E-05	0.00000E+00
1020	1.21336E-04	9.98695E-05	-4.10326E-04	-1.18552E-05	-4.88439E-05	0.00000E+00
1021	1.26547E-04	9.83559E-05	-3.46542E-04	-1.21863E-05	-4.63774E-05	0.00000E+00
1022	1.31886E-04	9.76051E-05	-2.80018E-04	-1.25647E-05	-4.38304E-05	0.00000E+00
1023	1.37537E-04	9.62731E-05	-2.10160E-04	-1.32640E-05	-4.20401E-05	0.00000E+00
1024	1.43727E-04	9.58262E-05	-1.38782E-04	-1.52352E-05	-4.04660E-05	0.00000E+00
1025	1.51562E-04	9.53582E-05	-6.40260E-05	-2.06345E-05	-4.03242E-05	0.00000E+00
1026	1.62464E-04	9.52964E-05	1.13694E-05	1.62251E-04	-3.87220E-05	-1.97198E-05
1027	-1.58720E-05	1.90470E-04	-3.30994E-06	-1.60341E-04	-1.46709E-05	-1.12437E-05
1028	-1.19362E-05	1.89339E-04	-7.67800E-05	-1.59416E-04	-2.00143E-05	-1.00393E-05
1029	-7.59410E-06	1.88289E-04	-1.48122E-04	-1.51964E-04	-2.65960E-05	-1.09889E-05
1030	-3.36252E-06	1.85694E-04	-2.17298E-04	-1.48694E-04	-2.98015E-05	-1.06349E-05
1031	5.96344E-07	1.84134E-04	-2.84537E-04	-1.45697E-04	-3.46377E-05	-1.04879E-05
1032	4.50142E-06	1.80495E-04	-3.49923E-04	-1.39875E-04	-4.01768E-05	-1.03323E-05
1033	8.23085E-06	1.77848E-04	-4.11959E-04	-1.32502E-04	-4.57064E-05	-1.02568E-05
1034	1.20182E-05	1.73088E-04	-4.70729E-04	-1.24064E-04	-5.11476E-05	-1.03259E-05
1035	1.56392E-05	1.69282E-04	-5.25352E-04	-1.16458E-04	-5.80928E-05	-1.04943E-05
1036	1.91947E-05	1.63319E-04	-5.76074E-04	-1.06821E-04	-6.84723E-05	-1.04413E-05
1037	2.27925E-05	1.57972E-04	-6.20220E-04	-8.91387E-05	-7.59257E-05	-1.00154E-05
1038	2.66467E-05	1.51039E-04	-6.57730E-04	-7.30161E-05	-7.86726E-05	-9.67832E-06
1039	3.04177E-05	1.44946E-04	-6.88502E-04	-6.19432E-05	-8.19923E-05	-9.53967E-06
1040	3.42688E-05	1.37681E-04	-7.12544E-04	-4.46949E-05	-8.57736E-05	-9.31837E-06
1041	3.83234E-05	1.31170E-04	-7.28953E-04	-2.48162E-05	-8.50090E-05	-9.19628E-06
1042	4.27710E-05	1.24196E-04	-7.37840E-04	-1.18644E-05	-8.10812E-05	-9.70846E-06
1043	4.73568E-05	1.18027E-04	-7.40820E-04	-1.86122E-07	-8.03751E-05	-1.06998E-05
1044	5.22722E-05	1.11397E-04	-7.38022E-04	1.15160E-05	-8.19402E-05	-1.17117E-05
1045	5.73445E-05	1.04826E-04	-7.29293E-04	2.45593E-05	-8.67180E-05	-1.22330E-05

1046	6.27930E-05	9.77987E-05	-7.12988E-04	4.45622E-05	-8.83711E-05	-1.21766E-05
1047	6.85191E-05	9.08842E-05	-6.88984E-04	6.20025E-05	-8.54236E-05	-1.20182E-05
1048	7.43020E-05	8.42228E-05	-6.58143E-04	7.32918E-05	-8.29982E-05	-1.20027E-05
1049	8.01344E-05	7.75811E-05	-6.20459E-04	8.97236E-05	-8.10449E-05	-1.17745E-05
1050	8.61811E-05	7.16122E-05	-5.75966E-04	1.07723E-04	-7.44845E-05	-1.15268E-05
1051	9.24712E-05	6.58706E-05	-5.24756E-04	1.17809E-04	-6.48407E-05	-1.16194E-05
1052	9.86186E-05	6.13858E-05	-4.69384E-04	1.25858E-04	-5.87823E-05	-1.20348E-05
1053	1.04906E-04	5.67620E-05	-4.09687E-04	1.34898E-04	-5.39710E-05	-1.22870E-05
1054	1.11109E-04	5.33705E-05	-3.46355E-04	1.42904E-04	-4.93218E-05	-1.26079E-05
1055	1.17652E-04	4.97757E-05	-2.79444E-04	1.49414E-04	-4.42938E-05	-1.28349E-05
1056	1.23918E-04	4.74269E-05	-2.10239E-04	1.53465E-04	-4.07409E-05	-1.37677E-05
1057	1.30970E-04	4.48396E-05	-1.38752E-04	1.57088E-04	-3.87935E-05	-1.49034E-05
1058	1.37849E-04	4.32218E-05	-6.48728E-05	1.66466E-04	-3.55446E-05	-1.97376E-05
1059	1.48564E-04	4.23415E-05	1.20322E-05	1.66598E-04	-3.11255E-05	-1.90275E-05
1060	7.38393E-05	-3.23605E-06	-2.45986E-04	-4.10167E-05	-4.94037E-05	0.00000E+00
1061	9.43560E-05	-2.94628E-06	-3.07883E-04	-4.01347E-05	-5.99365E-05	0.00000E+00
1062	1.14215E-04	5.13197E-06	-3.57481E-04	-3.84230E-05	-7.02247E-05	0.00000E+00
1063	1.33035E-04	9.18830E-06	-4.11662E-04	-3.60906E-05	-7.99355E-05	0.00000E+00
1064	1.50509E-04	1.93645E-05	-4.56075E-04	-3.32291E-05	-8.88037E-05	0.00000E+00
1065	1.66367E-04	2.65565E-05	-5.00726E-04	-2.98756E-05	-9.66168E-05	0.00000E+00
1066	1.80357E-04	3.84123E-05	-5.36952E-04	-2.60619E-05	-1.03191E-04	0.00000E+00
1067	1.92252E-04	4.80438E-05	-5.70411E-04	-2.18544E-05	-1.08379E-04	0.00000E+00
1068	2.01882E-04	6.09698E-05	-5.96218E-04	-1.74161E-05	-1.12091E-04	0.00000E+00
1069	2.39107E-04	1.57374E-04	-5.96146E-04	-2.62030E-06	-1.11540E-04	0.00000E+00
1070	2.38428E-04	1.69882E-04	-5.69773E-04	2.03237E-06	-1.07407E-04	0.00000E+00
1071	2.35355E-04	1.80359E-04	-5.36748E-04	6.49914E-06	-1.01675E-04	0.00000E+00
1072	2.30027E-04	1.91644E-04	-4.99476E-04	1.06430E-05	-9.44084E-05	0.00000E+00
1073	2.22625E-04	2.00095E-04	-4.55588E-04	1.44177E-05	-8.57200E-05	0.00000E+00
1074	2.13349E-04	2.09496E-04	-4.09418E-04	1.78133E-05	-7.57492E-05	0.00000E+00
1075	2.02402E-04	2.15460E-04	-3.56502E-04	2.08165E-05	-6.46601E-05	0.00000E+00
1076	1.90013E-04	2.22469E-04	-3.04013E-04	2.33620E-05	-5.26662E-05	0.00000E+00
1077	1.76480E-04	2.25698E-04	-2.44215E-04	2.52514E-05	-4.00833E-05	0.00000E+00
1078	-1.94388E-05	1.85024E-04	-5.00488E-06	-1.55352E-04	5.76494E-06	0.00000E+00
1079	-1.13963E-05	1.86113E-04	-7.48521E-05	-1.51529E-04	-7.35803E-06	0.00000E+00
1080	-7.91683E-06	1.83423E-04	-1.43784E-04	-1.49215E-04	-2.24478E-05	0.00000E+00
1081	-2.87660E-06	1.82780E-04	-2.11285E-04	-1.45987E-04	-3.27565E-05	0.00000E+00
1082	8.41941E-07	1.79429E-04	-2.77118E-04	-1.42373E-04	-4.19587E-05	0.00000E+00
1083	5.14910E-06	1.77719E-04	-3.40845E-04	-1.36833E-04	-5.11633E-05	0.00000E+00
1084	8.87105E-06	1.73271E-04	-4.01567E-04	-1.29616E-04	-5.96712E-05	0.00000E+00
1085	1.28465E-05	1.70362E-04	-4.58776E-04	-1.21380E-04	-6.82128E-05	0.00000E+00
1086	1.65754E-05	1.64840E-04	-5.11956E-04	-1.12485E-04	-7.71076E-05	0.00000E+00
1087	2.02871E-05	1.60599E-04	-5.60577E-04	-1.01319E-04	-8.72387E-05	0.00000E+00
1088	2.40816E-05	1.53996E-04	-6.03387E-04	-8.71531E-05	-9.50092E-05	0.00000E+00
1089	2.78339E-05	1.48582E-04	-6.39852E-04	-7.28601E-05	-1.00858E-04	0.00000E+00
1090	3.17712E-05	1.41485E-04	-6.69837E-04	-5.88109E-05	-1.05568E-04	0.00000E+00
1091	3.55102E-05	1.35407E-04	-6.93121E-04	-4.33599E-05	-1.09410E-04	0.00000E+00
1092	3.96464E-05	1.28261E-04	-7.09243E-04	-2.68826E-05	-1.11308E-04	0.00000E+00
1093	4.37751E-05	1.22114E-04	-7.18340E-04	-1.25003E-05	-1.11201E-04	0.00000E+00
1094	4.84655E-05	1.15515E-04	-7.21275E-04	-1.07769E-07	-1.11457E-04	0.00000E+00
1095	5.32824E-05	1.09346E-04	-7.18405E-04	1.23112E-05	-1.11723E-04	0.00000E+00
1096	5.86126E-05	1.02712E-04	-7.09346E-04	2.67785E-05	-1.12344E-04	0.00000E+00
1097	6.40394E-05	9.59604E-05	-6.93212E-04	4.33756E-05	-1.10954E-04	0.00000E+00
1098	6.97525E-05	8.93270E-05	-6.69848E-04	5.89932E-05	-1.07569E-04	0.00000E+00
1099	7.54835E-05	8.26006E-05	-6.39695E-04	7.32457E-05	-1.03275E-04	0.00000E+00
1100	8.12301E-05	7.65520E-05	-6.02952E-04	8.78052E-05	-9.77557E-05	0.00000E+00
1101	8.72425E-05	7.02954E-05	-5.59726E-04	1.02273E-04	-9.02477E-05	0.00000E+00
1102	9.31197E-05	6.53386E-05	-5.10530E-04	1.13827E-04	-8.02646E-05	0.00000E+00
1103	9.93771E-05	6.01165E-05	-4.56577E-04	1.23146E-04	-7.14158E-05	0.00000E+00
1104	1.05111E-04	5.64241E-05	-3.98376E-04	1.31923E-04	-6.27772E-05	0.00000E+00
1105	1.11652E-04	5.21773E-05	-3.36386E-04	1.39714E-04	-5.40516E-05	0.00000E+00
1106	1.17183E-04	4.96325E-05	-2.71108E-04	1.45974E-04	-4.44481E-05	0.00000E+00
1107	1.24283E-04	4.63138E-05	-2.03295E-04	1.50569E-04	-3.50604E-05	0.00000E+00

1108	1.29264E-04	4.47989E-05	-1.33370E-04	1.54714E-04	-2.47727E-05	0.00000E+00
1109	1.38058E-04	4.20505E-05	-6.15345E-05	1.58133E-04	-1.10212E-05	0.00000E+00
1110	1.40970E-04	4.31676E-05	1.19372E-05	1.65092E-04	1.77892E-06	0.00000E+00
1111	5.31965E-05	-9.01897E-06	-1.95227E-04	-4.06995E-05	-3.90483E-05	0.00000E+00
1112	5.59496E-05	3.80187E-05	-2.52538E-04	-3.73533E-05	-4.93277E-05	0.00000E+00
1113	7.26615E-05	4.36490E-05	-3.03573E-04	-3.64746E-05	-5.98531E-05	0.00000E+00
1114	3.90321E-05	4.11251E-05	-1.87426E-04	-3.71778E-05	-3.90373E-05	0.00000E+00
1115	8.88003E-05	4.35077E-05	-3.62080E-04	-3.49126E-05	-7.01469E-05	0.00000E+00
1116	1.04108E-04	5.01538E-05	-4.09594E-04	-3.28339E-05	-7.98597E-05	0.00000E+00
1117	1.18375E-04	5.25115E-05	-4.59535E-04	-3.03071E-05	-8.87287E-05	0.00000E+00
1118	1.31409E-04	6.00712E-05	-5.00175E-04	-2.73569E-05	-9.65373E-05	0.00000E+00
1119	1.43024E-04	6.44402E-05	-5.39711E-04	-2.40030E-05	-1.03108E-04	0.00000E+00
1120	1.53046E-04	7.26358E-05	-5.70885E-04	-2.02996E-05	-1.08295E-04	0.00000E+00
1121	1.61335E-04	7.84953E-05	-5.98514E-04	-1.63766E-05	-1.12013E-04	0.00000E+00
1122	2.09209E-04	7.22164E-05	-6.17250E-04	-1.31076E-05	-1.14355E-04	0.00000E+00
1123	1.67839E-04	8.69041E-05	-6.18374E-04	-1.25405E-05	-1.14307E-04	0.00000E+00
1124	2.37370E-04	1.45571E-04	-6.16975E-04	-7.14025E-06	-1.14113E-04	0.00000E+00
1125	1.98762E-04	1.39223E-04	-5.98058E-04	-3.78540E-06	-1.11467E-04	0.00000E+00
1126	1.99577E-04	1.45772E-04	-5.70826E-04	3.11474E-07	-1.07330E-04	0.00000E+00
1127	1.96089E-04	1.31227E-04	-6.18378E-04	-7.79270E-06	-1.14065E-04	0.00000E+00
1128	1.98576E-04	1.53386E-04	-5.38784E-04	4.22764E-06	-1.01601E-04	0.00000E+00
1129	1.95874E-04	1.58779E-04	-4.99941E-04	7.85426E-06	-9.43393E-05	0.00000E+00
1130	1.91616E-04	1.65538E-04	-4.57829E-04	1.11550E-05	-8.56555E-05	0.00000E+00
1131	1.85948E-04	1.69426E-04	-4.09024E-04	1.41277E-05	-7.56844E-05	0.00000E+00
1132	1.79016E-04	1.74951E-04	-3.59119E-04	1.67707E-05	-6.45901E-05	0.00000E+00
1133	1.70969E-04	1.77143E-04	-3.02431E-04	1.90410E-05	-5.25824E-05	0.00000E+00
1134	1.61990E-04	1.81157E-04	-2.47520E-04	2.07936E-05	-3.99765E-05	0.00000E+00
1135	1.62288E-04	2.29903E-04	-1.88604E-04	2.59770E-05	-2.74618E-05	0.00000E+00
1136	1.52364E-04	1.81676E-04	-1.85348E-04	2.16180E-05	-2.73461E-05	0.00000E+00
1137	-2.02121E-05	1.81735E-04	-9.13918E-06	-1.44715E-04	1.32411E-05	0.00000E+00
1138	-1.25948E-05	1.80374E-04	-7.45765E-05	-1.44056E-04	-1.99004E-06	0.00000E+00
1139	-7.13504E-06	1.80860E-04	-1.39957E-04	-1.43561E-04	-2.12732E-05	0.00000E+00
1140	-3.21079E-06	1.77728E-04	-2.04864E-04	-1.41477E-04	-3.46435E-05	0.00000E+00
1141	1.65564E-06	1.77119E-04	-2.68492E-04	-1.37996E-04	-4.72355E-05	0.00000E+00
1142	5.39537E-06	1.72873E-04	-3.30127E-04	-1.32699E-04	-5.82450E-05	0.00000E+00
1143	9.74449E-06	1.71043E-04	-3.88918E-04	-1.25718E-04	-6.93230E-05	0.00000E+00
1144	1.35497E-05	1.65702E-04	-4.44261E-04	-1.17622E-04	-7.91815E-05	0.00000E+00
1145	1.75389E-05	1.62565E-04	-4.95583E-04	-1.08274E-04	-8.95505E-05	0.00000E+00
1146	2.13863E-05	1.56256E-04	-5.42246E-04	-9.72365E-05	-9.92902E-05	0.00000E+00
1147	2.51902E-05	1.51772E-04	-5.83464E-04	-8.42949E-05	-1.07924E-04	0.00000E+00
1148	2.91516E-05	1.44785E-04	-6.18666E-04	-7.07221E-05	-1.14500E-04	0.00000E+00
1149	3.28941E-05	1.39332E-04	-6.47608E-04	-5.66951E-05	-1.20156E-04	0.00000E+00
1150	3.69067E-05	1.32147E-04	-6.70025E-04	-4.19217E-05	-1.24369E-04	0.00000E+00
1151	4.06867E-05	1.26162E-04	-6.85586E-04	-2.65231E-05	-1.27313E-04	0.00000E+00
1152	4.49550E-05	1.19367E-04	-6.94375E-04	-1.22610E-05	-1.28832E-04	0.00000E+00
1153	4.93068E-05	1.13448E-04	-6.97129E-04	-2.44609E-08	-1.29865E-04	0.00000E+00
1154	5.44266E-05	1.07102E-04	-6.94377E-04	1.22201E-05	-1.29129E-04	0.00000E+00
1155	5.96783E-05	1.00698E-04	-6.85562E-04	2.65731E-05	-1.27841E-04	0.00000E+00
1156	6.53146E-05	9.42155E-05	-6.69931E-04	4.20629E-05	-1.25165E-04	0.00000E+00
1157	7.09083E-05	8.74288E-05	-6.47387E-04	5.69895E-05	-1.21049E-04	0.00000E+00
1158	7.65978E-05	8.13676E-05	-6.18246E-04	7.11729E-05	-1.15549E-04	0.00000E+00
1159	8.23572E-05	7.48114E-05	-5.82752E-04	8.49872E-05	-1.08844E-04	0.00000E+00
1160	8.80540E-05	6.95918E-05	-5.41130E-04	9.81649E-05	-1.00179E-04	0.00000E+00
1161	9.40572E-05	6.37447E-05	-4.93928E-04	1.09555E-04	-8.99802E-05	0.00000E+00
1162	9.96948E-05	5.97482E-05	-4.41903E-04	1.19238E-04	-7.93206E-05	0.00000E+00
1163	1.05879E-04	5.48581E-05	-3.85670E-04	1.27831E-04	-6.85663E-05	0.00000E+00
1164	1.11366E-04	5.20867E-05	-3.25751E-04	1.35278E-04	-5.68618E-05	0.00000E+00
1165	1.17789E-04	4.81566E-05	-2.62748E-04	1.41244E-04	-4.44401E-05	0.00000E+00
1166	1.23103E-04	4.65590E-05	-1.97325E-04	1.45752E-04	-3.08683E-05	0.00000E+00
1167	1.29663E-04	4.34674E-05	-1.30112E-04	1.48983E-04	-1.62753E-05	0.00000E+00
1168	1.35036E-04	4.29023E-05	-6.17770E-05	1.50941E-04	3.27579E-06	0.00000E+00
1169	1.37921E-04	4.30856E-05	7.34214E-06	1.54183E-04	1.87091E-05	0.00000E+00

1170	3.31875E-05	-5.08254E-06	-1.26977E-04	-3.84349E-05	-2.93589E-05	0.00000E+00
1171	2.25155E-05	3.63936E-05	-1.37183E-04	-3.54304E-05	-2.95223E-05	0.00000E+00
1172	3.80996E-05	8.53861E-05	-2.47216E-04	-2.85467E-05	-4.93111E-05	0.00000E+00
1173	5.09465E-05	8.22638E-05	-3.08327E-04	-2.77341E-05	-6.01527E-05	0.00000E+00
1174	2.49768E-05	8.12583E-05	-1.94169E-04	-2.87998E-05	-3.86028E-05	0.00000E+00
1175	6.33122E-05	8.63863E-05	-3.58908E-04	-2.65478E-05	-7.07189E-05	0.00000E+00
1176	1.19114E-05	8.60938E-05	-1.28934E-04	-2.79229E-05	-2.88445E-05	0.00000E+00
1177	7.50692E-05	8.48806E-05	-4.12994E-04	-2.50789E-05	-8.06397E-05	0.00000E+00
1178	8.60956E-05	8.90023E-05	-4.57871E-04	-2.33483E-05	-8.97077E-05	0.00000E+00
1179	9.62793E-05	8.88551E-05	-5.02691E-04	-2.13511E-05	-9.76902E-05	0.00000E+00
1180	1.05494E-04	9.29541E-05	-5.39092E-04	-1.90862E-05	-1.04435E-04	0.00000E+00
1181	1.13622E-04	9.38930E-05	-5.72824E-04	-1.65817E-05	-1.09771E-04	0.00000E+00
1182	1.20562E-04	9.78562E-05	-5.98597E-04	-1.39051E-05	-1.13600E-04	0.00000E+00
1183	1.26254E-04	9.96287E-05	-6.19945E-04	-1.12201E-05	-1.15920E-04	0.00000E+00
1184	2.14472E-04	8.53838E-05	-6.31232E-04	-9.68960E-06	-1.15412E-04	0.00000E+00
1185	1.72702E-04	9.36498E-05	-6.33159E-04	-9.43276E-06	-1.15466E-04	0.00000E+00
1186	1.30747E-04	1.03288E-04	-6.33655E-04	-8.95179E-06	-1.16969E-04	0.00000E+00
1187	2.33440E-04	1.32696E-04	-6.31197E-04	-1.08376E-05	-1.15367E-04	0.00000E+00
1188	1.91692E-04	1.24038E-04	-6.32975E-04	-1.11316E-05	-1.15405E-04	0.00000E+00
1189	1.58174E-04	1.20267E-04	-5.98581E-04	-6.54605E-06	-1.13142E-04	0.00000E+00
1190	1.60487E-04	1.23666E-04	-5.72186E-04	-3.78653E-06	-1.08919E-04	0.00000E+00
1191	1.54579E-04	1.17949E-04	-6.19651E-04	-9.31075E-06	-1.15751E-04	0.00000E+00
1192	1.61572E-04	1.25413E-04	-5.38950E-04	-1.17666E-06	-1.03069E-04	0.00000E+00
1193	1.49747E-04	1.14673E-04	-6.33669E-04	-1.17033E-05	-1.16971E-04	0.00000E+00
1194	1.61517E-04	1.28723E-04	-5.01474E-04	1.22838E-06	-9.56722E-05	0.00000E+00
1195	1.60422E-04	1.29763E-04	-4.57458E-04	3.41130E-06	-8.68526E-05	0.00000E+00
1196	1.58387E-04	1.32786E-04	-4.10842E-04	5.38379E-06	-7.67360E-05	0.00000E+00
1197	1.55501E-04	1.33043E-04	-3.58004E-04	7.16736E-06	-6.54791E-05	0.00000E+00
1198	1.51843E-04	1.35610E-04	-3.04708E-04	8.76064E-06	-5.32595E-05	0.00000E+00
1199	1.47494E-04	1.35150E-04	-2.45430E-04	1.01131E-05	-4.03288E-05	0.00000E+00
1200	1.42561E-04	1.37112E-04	-1.88279E-04	1.11291E-05	-2.71354E-05	0.00000E+00
1201	1.48354E-04	2.30486E-04	-1.24242E-04	2.41923E-05	-1.56790E-05	0.00000E+00
1202	1.42660E-04	1.83992E-04	-1.28835E-04	2.06084E-05	-1.56872E-05	0.00000E+00
1203	1.37226E-04	1.36236E-04	-1.25467E-04	1.13384E-05	-1.47306E-05	0.00000E+00
1204	-2.16213E-05	1.75835E-04	-1.36333E-05	-1.33906E-04	9.51150E-06	0.00000E+00
1205	-1.24713E-05	1.77464E-04	-7.45812E-05	-1.36162E-04	-3.95399E-06	0.00000E+00
1206	-7.74004E-06	1.75404E-04	-1.36072E-04	-1.37195E-04	-2.26473E-05	0.00000E+00
1207	-2.45597E-06	1.75853E-04	-1.98179E-04	-1.35947E-04	-3.60072E-05	0.00000E+00
1208	1.60704E-06	1.71878E-04	-2.59031E-04	-1.32928E-04	-5.04443E-05	0.00000E+00
1209	6.23375E-06	1.71272E-04	-3.18472E-04	-1.27907E-04	-6.16964E-05	0.00000E+00
1210	1.02276E-05	1.65995E-04	-3.74841E-04	-1.21190E-04	-7.45454E-05	0.00000E+00
1211	1.44518E-05	1.64041E-04	-4.28269E-04	-1.13396E-04	-8.44559E-05	0.00000E+00
1212	1.84326E-05	1.57850E-04	-4.77435E-04	-1.03968E-04	-9.57914E-05	0.00000E+00
1213	2.24045E-05	1.54451E-04	-5.22301E-04	-9.33803E-05	-1.04738E-04	0.00000E+00
1214	2.63895E-05	1.47571E-04	-5.61754E-04	-8.11298E-05	-1.13818E-04	0.00000E+00
1215	3.02414E-05	1.42908E-04	-5.95694E-04	-6.82434E-05	-1.20118E-04	0.00000E+00
1216	3.42277E-05	1.35715E-04	-6.23439E-04	-5.45795E-05	-1.26132E-04	0.00000E+00
1217	3.79894E-05	1.30184E-04	-6.45011E-04	-4.04590E-05	-1.29931E-04	0.00000E+00
1218	4.19806E-05	1.23102E-04	-6.59896E-04	-2.56695E-05	-1.33010E-04	0.00000E+00
1219	4.57942E-05	1.17266E-04	-6.68249E-04	-1.16247E-05	-1.34467E-04	0.00000E+00
1220	5.03208E-05	1.10985E-04	-6.70662E-04	3.07891E-08	-1.35915E-04	0.00000E+00
1221	5.52846E-05	1.05051E-04	-6.68217E-04	1.16461E-05	-1.34657E-04	0.00000E+00
1222	6.08895E-05	9.88130E-05	-6.59829E-04	2.58036E-05	-1.33203E-04	0.00000E+00
1223	6.64217E-05	9.21031E-05	-6.44839E-04	4.06207E-05	-1.30288E-04	0.00000E+00
1224	7.20807E-05	8.60384E-05	-6.23168E-04	5.49030E-05	-1.26258E-04	0.00000E+00
1225	7.76976E-05	7.92982E-05	-5.95208E-04	6.86355E-05	-1.20341E-04	0.00000E+00
1226	8.33200E-05	7.39296E-05	-5.61066E-04	8.17674E-05	-1.13484E-04	0.00000E+00
1227	8.90378E-05	6.76156E-05	-5.21223E-04	9.41295E-05	-1.04380E-04	0.00000E+00
1228	9.46423E-05	6.33096E-05	-4.75994E-04	1.05072E-04	-9.44082E-05	0.00000E+00
1229	1.00461E-04	5.78138E-05	-4.26182E-04	1.14674E-04	-8.28687E-05	0.00000E+00
1230	1.05998E-04	5.47351E-05	-3.72157E-04	1.22953E-04	-7.13131E-05	0.00000E+00
1231	1.11856E-04	5.02479E-05	-3.14770E-04	1.29975E-04	-5.79654E-05	0.00000E+00

1232	1.17362E-04	4.83342E-05	-2.54391E-04	1.35542E-04	-4.43749E-05	0.00000E+00
1233	1.23080E-04	4.50419E-05	-1.91961E-04	1.39595E-04	-2.87554E-05	0.00000E+00
1234	1.28632E-04	4.40374E-05	-1.27975E-04	1.42026E-04	-1.29036E-05	0.00000E+00
1235	1.33245E-04	4.25329E-05	-6.36259E-05	1.42905E-04	7.31752E-06	0.00000E+00
1236	1.34489E-04	4.37242E-05	8.18226E-07	1.42417E-04	2.17323E-05	0.00000E+00
1237	1.49663E-05	-9.20285E-06	-8.07005E-05	-3.36375E-05	-2.02750E-05	0.00000E+00
1238	7.30508E-06	4.30550E-05	-6.66916E-05	-3.08215E-05	-2.11974E-05	0.00000E+00
1239	-2.47252E-07	8.28303E-05	-7.58405E-05	-2.49717E-05	-2.11636E-05	0.00000E+00
1240	2.02240E-05	1.24688E-04	-2.51116E-04	-1.92629E-05	-4.95288E-05	0.00000E+00
1241	2.90256E-05	1.26983E-04	-3.05070E-04	-1.86243E-05	-6.11361E-05	0.00000E+00
1242	1.11506E-05	1.29071E-04	-1.89659E-04	-1.97329E-05	-3.81124E-05	0.00000E+00
1243	3.74708E-05	1.22834E-04	-3.61782E-04	-1.78903E-05	-7.20796E-05	0.00000E+00
1244	1.80919E-06	1.26406E-04	-1.33454E-04	-2.00002E-05	-2.70058E-05	0.00000E+00
1245	4.55595E-05	1.24285E-04	-4.10868E-04	-1.70526E-05	-8.25041E-05	0.00000E+00
1246	-7.57425E-06	1.29143E-04	-7.19274E-05	-1.94063E-05	-1.89284E-05	0.00000E+00
1247	5.32331E-05	1.20535E-04	-4.59897E-04	-1.61265E-05	-9.19112E-05	0.00000E+00
1248	6.04629E-05	1.21171E-04	-5.01427E-04	-1.50813E-05	-1.00354E-04	0.00000E+00
1249	6.71748E-05	1.17814E-04	-5.40528E-04	-1.39232E-05	-1.07460E-04	0.00000E+00
1250	7.33196E-05	1.17724E-04	-5.72167E-04	-1.26351E-05	-1.13198E-04	0.00000E+00
1251	7.88384E-05	1.14764E-04	-5.99652E-04	-1.12537E-05	-1.17351E-04	0.00000E+00
1252	8.36983E-05	1.14067E-04	-6.19716E-04	-9.83488E-06	-1.19920E-04	0.00000E+00
1253	8.78796E-05	1.11646E-04	-6.34556E-04	-8.54203E-06	-1.20948E-04	0.00000E+00
1254	2.18442E-04	9.71744E-05	-6.39186E-04	-8.54263E-06	-1.15810E-04	0.00000E+00
1255	1.76457E-04	1.01676E-04	-6.40702E-04	-8.26388E-06	-1.16045E-04	0.00000E+00
1256	1.34361E-04	1.05757E-04	-6.42174E-04	-7.90541E-06	-1.17221E-04	0.00000E+00
1257	9.15341E-05	1.10539E-04	-6.42204E-04	-8.23378E-06	-1.20900E-04	0.00000E+00
1258	2.28045E-04	1.20583E-04	-6.39118E-04	-1.23934E-05	-1.15865E-04	0.00000E+00
1259	1.86055E-04	1.16283E-04	-6.40705E-04	-1.26815E-05	-1.16051E-04	0.00000E+00
1260	1.43957E-04	1.11850E-04	-6.42087E-04	-1.30259E-05	-1.17265E-04	0.00000E+00
1261	1.16586E-04	1.02640E-04	-5.99253E-04	-9.45371E-06	-1.17063E-04	0.00000E+00
1262	1.20456E-04	1.00285E-04	-5.72026E-04	-8.07188E-06	-1.12563E-04	0.00000E+00
1263	1.12057E-04	1.03848E-04	-6.19689E-04	-1.08763E-05	-1.19872E-04	0.00000E+00
1264	1.23702E-04	9.94692E-05	-5.39720E-04	-6.78107E-06	-1.06395E-04	0.00000E+00
1265	1.06849E-04	1.05851E-04	-6.34397E-04	-1.21916E-05	-1.21059E-04	0.00000E+00
1266	1.26373E-04	9.69818E-05	-5.01035E-04	-5.60709E-06	-9.86893E-05	0.00000E+00
1267	1.01093E-04	1.07288E-04	-6.42205E-04	-1.26659E-05	-1.21055E-04	0.00000E+00
1268	1.28522E-04	9.66086E-05	-4.58415E-04	-4.53486E-06	-8.95298E-05	0.00000E+00
1269	1.30203E-04	9.41100E-05	-4.10013E-04	-3.55620E-06	-7.91313E-05	0.00000E+00
1270	1.31452E-04	9.41680E-05	-3.59240E-04	-2.64947E-06	-6.75578E-05	0.00000E+00
1271	1.32291E-04	9.18134E-05	-3.03393E-04	-1.79782E-06	-5.50063E-05	0.00000E+00
1272	1.32735E-04	9.22213E-05	-2.47004E-04	-1.00712E-06	-4.15820E-05	0.00000E+00
1273	1.32780E-04	9.03232E-05	-1.86422E-04	-2.03412E-07	-2.75273E-05	0.00000E+00
1274	1.32346E-04	9.07927E-05	-1.27091E-04	9.54052E-07	-1.36000E-05	0.00000E+00
1275	1.36434E-04	2.31994E-04	-6.98027E-05	1.81727E-05	-5.40977E-06	0.00000E+00
1276	1.34179E-04	1.83307E-04	-6.39288E-05	1.49028E-05	-6.48985E-06	0.00000E+00
1277	1.32175E-04	1.36705E-04	-6.71876E-05	9.16131E-06	-5.65565E-06	0.00000E+00
1278	1.30979E-04	9.00331E-05	-6.48889E-05	2.74754E-06	-2.09592E-06	0.00000E+00
1279	-2.12953E-05	1.72570E-04	-1.63187E-05	-1.24488E-04	-6.18415E-06	-2.13473E-05
1280	-1.35012E-05	1.71782E-04	-7.36665E-05	-1.28686E-04	-1.32495E-05	-1.78654E-05
1281	-7.37553E-06	1.73589E-04	-1.31537E-04	-1.31056E-04	-2.50818E-05	-1.65187E-05
1282	-2.62194E-06	1.70177E-04	-1.91447E-04	-1.30124E-04	-3.79269E-05	-1.57201E-05
1283	2.24302E-06	1.70987E-04	-2.48984E-04	-1.27572E-04	-5.04452E-05	-1.52718E-05
1284	6.56795E-06	1.65696E-04	-3.06682E-04	-1.22844E-04	-6.27625E-05	-1.46672E-05
1285	1.10284E-05	1.65079E-04	-3.60033E-04	-1.16360E-04	-7.42811E-05	-1.41876E-05
1286	1.51651E-05	1.58869E-04	-4.11960E-04	-1.09025E-04	-8.51974E-05	-1.35887E-05
1287	1.93895E-05	1.56647E-04	-4.58558E-04	-9.96366E-05	-9.51879E-05	-1.30469E-05
1288	2.34122E-05	1.49816E-04	-5.02067E-04	-8.96703E-05	-1.04250E-04	-1.23810E-05
1289	2.74819E-05	1.46106E-04	-5.39515E-04	-7.78878E-05	-1.11993E-04	-1.17182E-05
1290	3.14327E-05	1.38902E-04	-5.72493E-04	-6.57603E-05	-1.18314E-04	-1.09361E-05
1291	3.53746E-05	1.34019E-04	-5.98885E-04	-5.24822E-05	-1.23132E-04	-1.01438E-05
1292	3.92291E-05	1.26800E-04	-6.19897E-04	-3.90787E-05	-1.26411E-04	-9.30733E-06
1293	4.30544E-05	1.21170E-04	-6.34066E-04	-2.48454E-05	-1.28113E-04	-8.56389E-06

1294	4.68207E-05	1.14387E-04	-6.42250E-04	-1.09609E-05	-1.28669E-04	-8.50945E-06
1295	5.09510E-05	1.08862E-04	-6.44109E-04	1.62739E-08	-1.28894E-04	-1.08138E-05
1296	5.62870E-05	1.03089E-04	-6.42185E-04	1.10125E-05	-1.28813E-04	-1.23278E-05
1297	6.19531E-05	9.66055E-05	-6.34017E-04	2.50295E-05	-1.28269E-04	-1.22325E-05
1298	6.75797E-05	9.05497E-05	-6.19678E-04	3.91947E-05	-1.26477E-04	-1.14796E-05
1299	7.31832E-05	8.37496E-05	-5.98709E-04	5.28089E-05	-1.23046E-04	-1.06751E-05
1300	7.87521E-05	7.82475E-05	-5.72005E-04	6.60190E-05	-1.17982E-04	-9.90599E-06
1301	8.43162E-05	7.16227E-05	-5.39081E-04	7.84520E-05	-1.11327E-04	-9.17460E-06
1302	8.98494E-05	6.70512E-05	-5.01116E-04	9.01574E-05	-1.03099E-04	-8.53138E-06
1303	9.54149E-05	6.10218E-05	-4.57660E-04	1.00553E-04	-9.34336E-05	-7.92746E-06
1304	1.00920E-04	5.76250E-05	-4.10251E-04	1.09881E-04	-8.26040E-05	-7.37859E-06
1305	1.06449E-04	5.25102E-05	-3.58351E-04	1.17745E-04	-7.07051E-05	-6.86271E-06
1306	1.11903E-04	5.03348E-05	-3.03800E-04	1.24344E-04	-5.78087E-05	-6.32011E-06
1307	1.17316E-04	4.64384E-05	-2.45979E-04	1.29457E-04	-4.39577E-05	-5.83405E-06
1308	1.22656E-04	4.53399E-05	-1.86860E-04	1.33077E-04	-2.91756E-05	-5.14451E-06
1309	1.27635E-04	4.31593E-05	-1.25910E-04	1.34903E-04	-1.39244E-05	-3.98568E-06
1310	1.31644E-04	4.33874E-05	-6.53707E-05	1.35357E-04	1.56727E-06	-6.72482E-08
1311	1.31377E-04	4.35602E-05	-4.93824E-06	1.30316E-04	1.03112E-05	3.67227E-06
1312	0.00000E+00	0.00000E+00	0.00000E+00	-1.11997E-04	-1.40103E-05	-2.29964E-05
1313	-4.59187E-06	4.00081E-05	-1.96892E-05	-1.15814E-04	-1.65191E-05	-2.04389E-05
1314	-1.05545E-05	8.44551E-05	-1.38164E-05	-1.20092E-04	-1.75963E-05	-1.99882E-05
1315	-1.61889E-05	1.28011E-04	-1.86983E-05	-1.19346E-04	-1.56445E-05	-1.96684E-05
1316	2.22616E-04	1.08980E-04	-6.41533E-04	4.59095E-07	-1.16232E-04	-1.07417E-05
1317	1.80337E-04	1.08854E-04	-6.42900E-04	7.22753E-08	-1.16613E-04	-1.07391E-05
1318	1.37949E-04	1.08920E-04	-6.43243E-04	1.52125E-07	-1.17168E-04	-1.07807E-05
1319	9.55250E-05	1.08769E-04	-6.44053E-04	1.68874E-07	-1.20463E-04	-1.07427E-05
1320	1.29208E-04	2.32515E-04	0.00000E+00	1.38130E-04	2.19334E-06	1.13738E-06
1321	1.30241E-04	1.82836E-04	-7.92863E-06	1.29541E-04	-1.76233E-06	1.41223E-06
1322	1.29085E-04	1.36652E-04	-5.12178E-06	1.25994E-04	-2.78906E-06	1.68915E-06
1323	1.28990E-04	8.98092E-05	-7.05936E-06	1.25926E-04	2.00496E-06	2.71777E-06
1324	2.21600E-04	1.28058E-04	-4.26439E-04	-1.52088E-06	-9.61966E-05	0.00000E+00
1325	2.20744E-04	1.36653E-04	-4.06278E-04	1.74876E-06	-9.20311E-05	0.00000E+00
1326	2.18199E-04	1.43122E-04	-3.81896E-04	5.04794E-06	-8.68756E-05	0.00000E+00
1327	2.13959E-04	1.50811E-04	-3.54961E-04	8.32595E-06	-8.06807E-05	0.00000E+00
1328	2.08036E-04	1.55942E-04	-3.23514E-04	1.15731E-05	-7.34347E-05	0.00000E+00
1329	2.00446E-04	1.62540E-04	-2.91092E-04	1.47884E-05	-6.51511E-05	0.00000E+00
1330	1.91214E-04	1.66242E-04	-2.53612E-04	1.79384E-05	-5.58742E-05	0.00000E+00
1331	1.80414E-04	1.71544E-04	-2.17250E-04	2.08750E-05	-4.57148E-05	0.00000E+00
1332	1.68253E-04	1.73776E-04	-1.74849E-04	2.31846E-05	-3.49109E-05	0.00000E+00
1333	-1.51332E-05	1.21143E-04	-1.14172E-05	-1.81811E-05	-1.15769E-04	0.00000E+00
1334	-2.16515E-05	1.62990E-04	-1.39944E-05	-1.16506E-04	-1.23535E-05	-2.24002E-05
1335	-1.35746E-05	1.63763E-04	-6.74374E-05	-1.19752E-04	-1.78571E-05	0.00000E+00
1336	-7.74266E-06	1.62021E-04	-1.22245E-04	-1.21186E-04	-2.75729E-05	0.00000E+00
1337	-1.96880E-06	1.62909E-04	-1.76907E-04	-1.20108E-04	-4.01655E-05	0.00000E+00
1338	2.69895E-06	1.59098E-04	-2.30844E-04	-1.17569E-04	-5.12728E-05	0.00000E+00
1339	7.75738E-06	1.59030E-04	-2.83171E-04	-1.13265E-04	-6.44024E-05	0.00000E+00
1340	1.20661E-05	1.53903E-04	-3.33263E-04	-1.07458E-04	-7.48126E-05	0.00000E+00
1341	1.67726E-05	1.52529E-04	-3.80389E-04	-1.00445E-04	-8.66539E-05	0.00000E+00
1342	2.09102E-05	1.46625E-04	-4.24091E-04	-9.20975E-05	-9.57579E-05	0.00000E+00
1343	2.53592E-05	1.43901E-04	-4.63719E-04	-8.27408E-05	-1.05371E-04	0.00000E+00
1344	2.93786E-05	1.37508E-04	-4.98915E-04	-7.23375E-05	-1.12356E-04	0.00000E+00
1345	3.36040E-05	1.33588E-04	-5.29172E-04	-6.11568E-05	-1.19084E-04	0.00000E+00
1346	3.74861E-05	1.26982E-04	-5.54230E-04	-4.92535E-05	-1.23328E-04	0.00000E+00
1347	4.14715E-05	1.22139E-04	-5.73757E-04	-3.68926E-05	-1.26877E-04	0.00000E+00
1348	4.51643E-05	1.15665E-04	-5.87607E-04	-2.41070E-05	-1.28073E-04	0.00000E+00
1349	4.89370E-05	1.10275E-04	-5.95577E-04	-1.12719E-05	-1.28080E-04	0.00000E+00
1350	5.22573E-05	1.04463E-04	-5.97936E-04	1.93789E-07	-1.26964E-04	-1.20599E-05
1351	9.50641E-05	1.04664E-04	-5.97483E-04	-1.18770E-05	3.60127E-07	0.00000E+00
1352	5.83436E-05	9.87755E-05	-5.95489E-04	1.13862E-05	-1.28151E-04	0.00000E+00
1353	6.40123E-05	9.31169E-05	-5.87462E-04	2.42580E-05	-1.28303E-04	0.00000E+00
1354	6.96730E-05	8.69130E-05	-5.73556E-04	3.70491E-05	-1.27015E-04	0.00000E+00
1355	7.51799E-05	8.16492E-05	-5.53954E-04	4.94450E-05	-1.23632E-04	0.00000E+00

1356	8.06578E-05	7.54242E-05	-5.28827E-04	6.13646E-05	-1.19107E-04	0.00000E+00
1357	8.60151E-05	7.09026E-05	-4.98463E-04	7.26081E-05	-1.12532E-04	0.00000E+00
1358	9.13757E-05	6.50363E-05	-4.63167E-04	8.30459E-05	-1.04994E-04	0.00000E+00
1359	9.66274E-05	6.14837E-05	-4.23378E-04	9.25100E-05	-9.55203E-05	0.00000E+00
1360	1.01885E-04	5.62999E-05	-3.79518E-04	1.00920E-04	-8.55061E-05	0.00000E+00
1361	1.07024E-04	5.38219E-05	-3.32146E-04	1.08098E-04	-7.37734E-05	0.00000E+00
1362	1.12108E-04	4.96302E-05	-2.81800E-04	1.13983E-04	-6.19967E-05	0.00000E+00
1363	1.17061E-04	4.82075E-05	-2.29131E-04	1.18503E-04	-4.87815E-05	0.00000E+00
1364	1.21744E-04	4.54350E-05	-1.74732E-04	1.21607E-04	-3.59136E-05	0.00000E+00
1365	1.26018E-04	4.51538E-05	-1.19226E-04	1.23690E-04	-2.23374E-05	0.00000E+00
1366	1.28748E-04	4.45464E-05	-6.29956E-05	1.23871E-04	-9.87843E-06	0.00000E+00
1367	1.29170E-04	4.53650E-05	-7.41638E-06	1.21098E-04	-1.84051E-06	1.58446E-07
1368	1.28947E-04	8.93488E-05	-5.72750E-06	-4.97508E-06	1.20924E-04	0.00000E+00
1369	-3.82394E-06	-4.03271E-06	-1.86048E-05	-2.24554E-06	-1.13587E-04	0.00000E+00
1370	-3.16431E-06	3.72212E-05	-6.11426E-06	-3.65662E-06	-1.13335E-04	0.00000E+00
1371	-1.10055E-05	7.88565E-05	-1.48965E-05	-1.09593E-05	-1.15291E-04	0.00000E+00
1372	2.22668E-04	1.04883E-04	-5.98842E-04	-1.16930E-05	2.98016E-07	0.00000E+00
1373	1.79124E-04	1.04806E-04	-5.97799E-04	-1.16912E-05	1.85122E-07	0.00000E+00
1374	1.37404E-04	1.04742E-04	-5.97966E-04	-1.18711E-05	1.76653E-07	0.00000E+00
1375	1.29083E-04	2.23825E-04	-9.32029E-06	-3.18826E-05	1.27594E-04	0.00000E+00
1376	1.29924E-04	1.78257E-04	-3.50431E-06	-2.43746E-05	1.23851E-04	0.00000E+00
1377	1.29127E-04	1.33457E-04	-7.63797E-06	-1.49764E-05	1.21557E-04	0.00000E+00
1378	2.20830E-04	1.20379E-04	-4.42851E-04	-4.61620E-06	-9.95046E-05	0.00000E+00
1379	1.86796E-04	1.14327E-04	-4.27621E-04	-2.79877E-06	-9.60563E-05	0.00000E+00
1380	1.87447E-04	1.18339E-04	-4.06972E-04	1.35937E-07	-9.19100E-05	0.00000E+00
1381	1.84827E-04	1.08529E-04	-4.43961E-04	-5.62931E-06	-9.93307E-05	0.00000E+00
1382	1.86770E-04	1.23696E-04	-3.83274E-04	3.07430E-06	-8.67659E-05	0.00000E+00
1383	1.84774E-04	1.26830E-04	-3.55117E-04	5.98399E-06	-8.05757E-05	0.00000E+00
1384	1.81477E-04	1.31662E-04	-3.25201E-04	8.86351E-06	-7.33303E-05	0.00000E+00
1385	1.76890E-04	1.33875E-04	-2.90533E-04	1.17200E-05	-6.50425E-05	0.00000E+00
1386	1.71023E-04	1.38062E-04	-2.55782E-04	1.45362E-05	-5.57601E-05	0.00000E+00
1387	1.63903E-04	1.39347E-04	-2.15725E-04	1.72011E-05	-4.56035E-05	0.00000E+00
1388	1.55649E-04	1.42757E-04	-1.77780E-04	1.93701E-05	-3.48436E-05	0.00000E+00
1389	1.55264E-04	1.77596E-04	-1.36422E-04	2.39411E-05	-2.39006E-05	0.00000E+00
1390	1.46615E-04	1.43154E-04	-1.33538E-04	2.02324E-05	-2.40038E-05	0.00000E+00
1391	-8.81420E-06	7.62147E-05	-6.67211E-06	-6.13744E-06	-1.07565E-04	0.00000E+00
1392	-1.60712E-05	1.15229E-04	-1.10459E-05	-1.50750E-05	-1.08306E-04	0.00000E+00
1393	-2.01431E-05	1.55038E-04	-9.33477E-06	-1.11419E-04	-1.08696E-05	-1.98194E-05
1394	-1.40442E-05	1.54045E-04	-6.09307E-05	-1.13233E-04	-1.77851E-05	0.00000E+00
1395	-7.14956E-06	1.54653E-04	-1.11957E-04	-1.12138E-04	-2.85502E-05	0.00000E+00
1396	-1.93232E-06	1.52223E-04	-1.62493E-04	-1.10884E-04	-3.93977E-05	0.00000E+00
1397	3.68031E-06	1.52428E-04	-2.12159E-04	-1.08118E-04	-5.09593E-05	0.00000E+00
1398	8.34672E-06	1.48462E-04	-2.60213E-04	-1.04046E-04	-6.22493E-05	0.00000E+00
1399	1.34518E-05	1.47695E-04	-3.06207E-04	-9.87123E-05	-7.34696E-05	0.00000E+00
1400	1.78272E-05	1.42728E-04	-3.49457E-04	-9.22326E-05	-8.38019E-05	0.00000E+00
1401	2.26126E-05	1.40809E-04	-3.89596E-04	-8.47245E-05	-9.35400E-05	0.00000E+00
1402	2.68028E-05	1.35218E-04	-4.26061E-04	-7.62465E-05	-1.02005E-04	0.00000E+00
1403	3.13159E-05	1.32169E-04	-4.58540E-04	-6.69393E-05	-1.09433E-04	0.00000E+00
1404	3.53347E-05	1.26215E-04	-4.86594E-04	-5.68779E-05	-1.15353E-04	0.00000E+00
1405	3.95595E-05	1.22180E-04	-5.09980E-04	-4.61900E-05	-1.19961E-04	0.00000E+00
1406	4.33504E-05	1.16122E-04	-5.28374E-04	-3.49846E-05	-1.23019E-04	0.00000E+00
1407	4.72248E-05	1.11317E-04	-5.41676E-04	-2.36480E-05	-1.24610E-04	0.00000E+00
1408	5.07356E-05	1.05481E-04	-5.49866E-04	-1.22850E-05	-1.24424E-04	0.00000E+00
1409	5.39050E-05	1.00196E-04	-5.52736E-04	1.74944E-07	-1.23371E-04	-1.19657E-05
1410	9.53294E-05	1.00265E-04	-5.52784E-04	-1.21646E-05	2.53536E-07	0.00000E+00
1411	6.01402E-05	9.47711E-05	-5.49740E-04	1.25419E-05	-1.24580E-04	0.00000E+00
1412	1.36058E-04	1.00370E-04	-5.52717E-04	-1.21479E-05	2.78588E-07	0.00000E+00
1413	6.59396E-05	8.90893E-05	-5.41447E-04	2.38778E-05	-1.24924E-04	0.00000E+00
1414	7.15053E-05	8.40267E-05	-5.28052E-04	3.52117E-05	-1.23521E-04	0.00000E+00
1415	7.69925E-05	7.82035E-05	-5.09562E-04	4.64029E-05	-1.20556E-04	0.00000E+00
1416	8.22832E-05	7.37810E-05	-4.86095E-04	5.70822E-05	-1.16078E-04	0.00000E+00
1417	8.75367E-05	6.81555E-05	-4.57952E-04	6.71327E-05	-1.10136E-04	0.00000E+00

1418	9.26353E-05	6.45657E-05	-4.25402E-04	7.64455E-05	-1.02754E-04	0.00000E+00
1419	9.77103E-05	5.94235E-05	-3.88843E-04	8.49318E-05	-9.41126E-05	0.00000E+00
1420	1.02640E-04	5.67815E-05	-3.48624E-04	9.24729E-05	-8.43181E-05	0.00000E+00
1421	1.07504E-04	5.24091E-05	-3.05254E-04	9.89764E-05	-7.36224E-05	0.00000E+00
1422	1.12199E-04	5.07459E-05	-2.59160E-04	1.04339E-04	-6.22053E-05	0.00000E+00
1423	1.16693E-04	4.75081E-05	-2.10953E-04	1.08484E-04	-5.03552E-05	0.00000E+00
1424	1.20875E-04	4.68615E-05	-1.61106E-04	1.11488E-04	-3.82240E-05	0.00000E+00
1425	1.24376E-04	4.53263E-05	-1.10170E-04	1.13369E-04	-2.61139E-05	0.00000E+00
1426	1.26756E-04	4.57830E-05	-5.84612E-05	1.14892E-04	-1.31930E-05	0.00000E+00
1427	1.27802E-04	4.56740E-05	-6.22600E-06	1.12997E-04	-4.31086E-06	-3.42683E-06
1428	1.28565E-04	8.60946E-05	-7.48417E-06	-1.05449E-05	1.10656E-04	0.00000E+00
1429	1.28879E-04	1.26216E-04	-4.74334E-06	-2.23533E-05	1.11388E-04	0.00000E+00
1430	-1.41671E-06	-1.85411E-06	-5.26220E-06	5.96983E-06	-1.07999E-04	0.00000E+00
1431	-6.97284E-06	3.72176E-05	-1.37395E-05	1.46286E-06	-1.07670E-04	0.00000E+00
1432	2.20522E-04	1.00566E-04	-5.53670E-04	-1.20524E-05	2.67512E-07	0.00000E+00
1433	1.77667E-04	1.00470E-04	-5.53769E-04	-1.20980E-05	2.63616E-07	0.00000E+00
1434	1.29629E-04	2.08099E-04	-3.72702E-06	-4.16724E-05	1.14059E-04	0.00000E+00
1435	1.29285E-04	1.66916E-04	-8.84611E-06	-3.46992E-05	1.13101E-04	0.00000E+00
1436	2.18618E-04	1.10965E-04	-4.55173E-04	-7.22906E-06	-1.02214E-04	0.00000E+00
1437	1.81626E-04	1.03747E-04	-4.56210E-04	-8.07970E-06	-1.02032E-04	0.00000E+00
1438	1.51890E-04	9.95736E-05	-4.27986E-04	-5.76806E-06	-9.68971E-05	0.00000E+00
1439	1.54029E-04	1.02153E-04	-4.07818E-04	-3.64969E-06	-9.28194E-05	0.00000E+00
1440	1.48769E-04	9.83674E-05	-4.44627E-04	-7.91049E-06	-1.00003E-04	0.00000E+00
1441	1.55210E-04	1.02890E-04	-3.83286E-04	-1.57326E-06	-8.76987E-05	0.00000E+00
1442	1.44651E-04	9.57733E-05	-4.56846E-04	-9.98857E-06	-1.02371E-04	0.00000E+00
1443	1.55457E-04	1.05426E-04	-3.56217E-04	4.63225E-07	-8.15051E-05	0.00000E+00
1444	1.54788E-04	1.05698E-04	-3.24744E-04	2.47393E-06	-7.42497E-05	0.00000E+00
1445	1.53210E-04	1.08145E-04	-2.92002E-04	4.48098E-06	-6.59397E-05	0.00000E+00
1446	1.50719E-04	1.07999E-04	-2.54704E-04	6.49946E-06	-5.66227E-05	0.00000E+00
1447	1.47308E-04	1.10290E-04	-2.17727E-04	8.49738E-06	-4.63895E-05	0.00000E+00
1448	1.43000E-04	1.09809E-04	-1.75875E-04	1.02964E-05	-3.54954E-05	0.00000E+00
1449	1.37960E-04	1.11799E-04	-1.36255E-04	1.13496E-05	-2.44576E-05	0.00000E+00
1450	1.42611E-04	1.78477E-04	-9.00825E-05	2.14289E-05	-1.34014E-05	0.00000E+00
1451	1.37679E-04	1.45648E-04	-9.43002E-05	1.81691E-05	-1.39114E-05	0.00000E+00
1452	1.32737E-04	1.11117E-04	-9.13409E-05	1.03945E-05	-1.42488E-05	0.00000E+00
1453	-5.05558E-06	3.78426E-05	-3.98214E-06	-4.47337E-07	-1.01814E-04	0.00000E+00
1454	-1.11712E-05	7.42546E-05	-9.05820E-06	-7.17473E-06	-1.00410E-04	0.00000E+00
1455	-1.41938E-05	1.10256E-04	-5.68388E-06	-1.45619E-05	-1.00392E-04	0.00000E+00
1456	-2.02789E-05	1.46662E-04	-7.82513E-06	-1.02251E-04	-8.48566E-06	-1.95207E-05
1457	-1.29437E-05	1.46754E-04	-5.45084E-05	-1.04578E-04	-1.58952E-05	0.00000E+00
1458	-7.27492E-06	1.45299E-04	-1.01892E-04	-1.04169E-04	-2.70377E-05	0.00000E+00
1459	-1.12487E-06	1.45565E-04	-1.48584E-04	-1.02149E-04	-3.67756E-05	0.00000E+00
1460	4.01418E-06	1.42712E-04	-1.94226E-04	-9.92968E-05	-4.76881E-05	0.00000E+00
1461	9.45953E-06	1.42322E-04	-2.38311E-04	-9.53352E-05	-5.79545E-05	0.00000E+00
1462	1.42034E-05	1.38314E-04	-2.80376E-04	-9.03686E-05	-6.86074E-05	0.00000E+00
1463	1.92526E-05	1.37005E-04	-3.19975E-04	-8.44645E-05	-7.80988E-05	0.00000E+00
1464	2.37220E-05	1.32227E-04	-3.56702E-04	-7.76701E-05	-8.73604E-05	0.00000E+00
1465	2.84766E-05	1.29917E-04	-3.90171E-04	-7.00792E-05	-9.51762E-05	0.00000E+00
1466	3.27249E-05	1.24645E-04	-4.20040E-04	-6.17415E-05	-1.02317E-04	0.00000E+00
1467	3.71866E-05	1.21380E-04	-4.45988E-04	-5.27560E-05	-1.07851E-04	0.00000E+00
1468	4.11934E-05	1.15842E-04	-4.67744E-04	-4.31799E-05	-1.12428E-04	0.00000E+00
1469	4.53008E-05	1.11719E-04	-4.85044E-04	-3.30830E-05	-1.15332E-04	0.00000E+00
1470	4.89636E-05	1.06122E-04	-4.97710E-04	-2.27628E-05	-1.17351E-04	0.00000E+00
1471	5.25891E-05	1.01301E-04	-5.05808E-04	-1.28433E-05	-1.18195E-04	0.00000E+00
1472	5.57293E-05	9.58540E-05	-5.09144E-04	2.18358E-07	-1.18518E-04	-1.19087E-05
1473	9.55644E-05	9.58979E-05	-5.09098E-04	-1.18719E-05	1.89450E-07	0.00000E+00
1474	6.19165E-05	9.05206E-05	-5.05611E-04	1.33030E-05	-1.18489E-04	0.00000E+00
1475	1.35225E-04	9.59940E-05	-5.09472E-04	-1.18478E-05	2.99111E-07	0.00000E+00
1476	6.76608E-05	8.55738E-05	-4.97324E-04	2.31832E-05	-1.17939E-04	0.00000E+00
1477	1.74848E-04	9.61176E-05	-5.09295E-04	-1.18320E-05	3.11670E-07	0.00000E+00
1478	7.32425E-05	8.01008E-05	-4.84479E-04	3.34701E-05	-1.16211E-04	0.00000E+00
1479	7.85549E-05	7.57668E-05	-4.67021E-04	4.35230E-05	-1.13542E-04	0.00000E+00

1480	8.37765E-05	7.04068E-05	-4.45123E-04	5.30489E-05	-1.09163E-04	0.00000E+00
1481	8.88032E-05	6.68371E-05	-4.19061E-04	6.19763E-05	-1.03763E-04	0.00000E+00
1482	9.37722E-05	6.18132E-05	-3.89095E-04	7.02617E-05	-9.66828E-05	0.00000E+00
1483	9.85735E-05	5.90974E-05	-3.55560E-04	7.77959E-05	-8.88523E-05	0.00000E+00
1484	1.03296E-04	5.46525E-05	-3.18774E-04	8.45452E-05	-7.94492E-05	0.00000E+00
1485	1.07838E-04	5.28466E-05	-2.79146E-04	9.03864E-05	-6.97323E-05	0.00000E+00
1486	1.12212E-04	4.92677E-05	-2.37059E-04	9.52929E-05	-5.86831E-05	0.00000E+00
1487	1.16293E-04	4.83766E-05	-1.92983E-04	9.91953E-05	-4.78962E-05	0.00000E+00
1488	1.19987E-04	4.60952E-05	-1.47360E-04	1.02016E-04	-3.61932E-05	0.00000E+00
1489	1.23028E-04	4.61427E-05	-1.00703E-04	1.04064E-04	-2.51746E-05	0.00000E+00
1490	1.25260E-04	4.54169E-05	-5.33666E-05	1.04652E-04	-1.21997E-05	0.00000E+00
1491	1.26891E-04	4.56719E-05	-6.64401E-06	1.02063E-04	-3.29279E-06	-4.28588E-06
1492	1.27845E-04	8.17921E-05	-5.46494E-06	-1.03188E-05	1.00148E-04	0.00000E+00
1493	1.28634E-04	1.17800E-04	-7.66132E-06	-2.03012E-05	1.01178E-04	0.00000E+00
1494	1.28806E-04	1.54539E-04	-3.40654E-06	-3.04432E-05	1.03194E-04	0.00000E+00
1495	-2.53518E-06	1.02066E-06	-1.02112E-05	1.87826E-06	-1.01361E-04	0.00000E+00
1496	2.17478E-04	9.62230E-05	-5.10688E-04	-1.18047E-05	2.36106E-07	0.00000E+00
1497	1.30394E-04	1.91764E-04	-8.66409E-06	-3.52238E-05	1.02098E-04	0.00000E+00
1498	2.15360E-04	1.02375E-04	-4.62726E-04	-8.82865E-06	-1.04759E-04	0.00000E+00
1499	1.77438E-04	9.74467E-05	-4.64274E-04	-9.83354E-06	-1.04438E-04	0.00000E+00
1500	1.39599E-04	9.40194E-05	-4.64933E-04	-1.16348E-05	-1.04211E-04	0.00000E+00
1501	1.16453E-04	8.64754E-05	-4.28260E-04	-8.64467E-06	-9.90214E-05	0.00000E+00
1502	1.20052E-04	8.44492E-05	-4.07604E-04	-7.41183E-06	-9.50266E-05	0.00000E+00
1503	1.12261E-04	8.71197E-05	-4.44566E-04	-9.96023E-06	-1.01955E-04	0.00000E+00
1504	1.23084E-04	8.41874E-05	-3.83747E-04	-6.22851E-06	-8.98835E-05	0.00000E+00
1505	1.07398E-04	8.89697E-05	-4.57042E-04	-1.14388E-05	-1.03810E-04	0.00000E+00
1506	1.25579E-04	8.20909E-05	-3.55765E-04	-5.07782E-06	-8.36809E-05	0.00000E+00
1507	1.01814E-04	9.01858E-05	-4.64800E-04	-1.25901E-05	-1.04880E-04	0.00000E+00
1508	1.27543E-04	8.22163E-05	-3.25468E-04	-3.93791E-06	-7.63715E-05	0.00000E+00
1509	1.28986E-04	8.01601E-05	-2.91229E-04	-2.77771E-06	-6.80523E-05	0.00000E+00
1510	1.29886E-04	8.06704E-05	-2.55779E-04	-1.56408E-06	-5.86982E-05	0.00000E+00
1511	1.30218E-04	7.88085E-05	-2.16549E-04	-2.68478E-07	-4.84473E-05	0.00000E+00
1512	1.29932E-04	7.96425E-05	-1.77370E-04	1.07934E-06	-3.74133E-05	0.00000E+00
1513	1.29027E-04	7.81844E-05	-1.34609E-04	2.23611E-06	-2.61140E-05	0.00000E+00
1514	1.27683E-04	7.89774E-05	-9.31077E-05	2.36447E-06	-1.53786E-05	0.00000E+00
1515	1.32610E-04	1.80856E-04	-5.19791E-05	1.22093E-05	-4.60189E-06	0.00000E+00
1516	1.30724E-04	1.45339E-04	-4.69290E-05	1.00985E-05	-6.35892E-06	0.00000E+00
1517	1.28698E-04	1.12150E-04	-5.02997E-05	5.11611E-06	-6.93068E-06	0.00000E+00
1518	1.26639E-04	7.83345E-05	-4.84990E-05	2.10669E-07	-7.52073E-06	0.00000E+00
1519	0.00000E+00	0.00000E+00	0.00000E+00	-9.99612E-05	-1.49374E-05	-1.22021E-05
1520	-6.02713E-06	3.63682E-05	-5.73758E-06	-9.72671E-05	-1.43597E-05	-1.37587E-05
1521	-9.87586E-06	7.07364E-05	-3.10671E-06	-9.44685E-05	-1.34162E-05	-1.45392E-05
1522	-1.48680E-05	1.04916E-04	-5.91634E-06	-9.42387E-05	-1.31933E-05	-1.63534E-05
1523	-1.88386E-05	1.39177E-04	-4.70485E-06	-9.63177E-05	-1.01452E-05	-1.74600E-05
1524	-1.27879E-05	1.38654E-04	-4.91357E-05	-9.72812E-05	-1.52485E-05	-1.57042E-05
1525	-6.49894E-06	1.38782E-04	-9.25971E-05	-9.63229E-05	-2.30664E-05	-1.66076E-05
1526	-8.46289E-07	1.36861E-04	-1.36130E-04	-9.43623E-05	-3.21664E-05	-1.64947E-05
1527	4.86487E-06	1.36636E-04	-1.77850E-04	-9.11192E-05	-4.15688E-05	-1.61195E-05
1528	1.00687E-05	1.33545E-04	-2.18525E-04	-8.73388E-05	-5.12484E-05	-1.55363E-05
1529	1.53173E-05	1.32659E-04	-2.56777E-04	-8.26248E-05	-6.04305E-05	-1.49567E-05
1530	2.01634E-05	1.28702E-04	-2.93220E-04	-7.73079E-05	-6.93018E-05	-1.43428E-05
1531	2.50921E-05	1.26978E-04	-3.26637E-04	-7.10822E-05	-7.72958E-05	-1.37164E-05
1532	2.96588E-05	1.22411E-04	-3.57494E-04	-6.43323E-05	-8.46752E-05	-1.30394E-05
1533	3.43031E-05	1.19820E-04	-3.84790E-04	-5.67906E-05	-9.09564E-05	-1.23410E-05
1534	3.86028E-05	1.14860E-04	-4.08870E-04	-4.87839E-05	-9.64064E-05	-1.15609E-05
1535	4.29316E-05	1.11441E-04	-4.28924E-04	-4.01686E-05	-1.00625E-04	-1.07462E-05
1536	4.69073E-05	1.06272E-04	-4.45241E-04	-3.11036E-05	-1.03861E-04	-9.81030E-06
1537	5.08125E-05	1.02035E-04	-4.57091E-04	-2.15245E-05	-1.05858E-04	-8.76159E-06
1538	5.42466E-05	9.67830E-05	-4.64750E-04	-1.18005E-05	-1.07293E-04	-7.91577E-06
1539	5.77885E-05	9.16513E-05	-4.67476E-04	3.60294E-07	-1.08333E-04	-1.07931E-05
1540	6.35700E-05	8.64871E-05	-4.64408E-04	1.25784E-05	-1.07829E-04	-1.27324E-05
1541	9.60472E-05	9.17413E-05	-4.67823E-04	2.93036E-07	-1.05102E-04	-1.08180E-05

1542	1.34042E-04	9.18508E-05	-4.67688E-04	3.21059E-07	-1.05101E-04	-1.09111E-05
1543	6.93726E-05	8.12772E-05	-4.56426E-04	2.22425E-05	-1.06877E-04	-1.18576E-05
1544	1.72595E-04	9.19558E-05	-4.67711E-04	3.42974E-07	-1.06072E-04	-1.10052E-05
1545	7.47786E-05	7.69669E-05	-4.44275E-04	3.17600E-05	-1.05223E-04	-1.07695E-05
1546	2.11478E-04	9.20830E-05	-4.67242E-04	3.09783E-07	-1.06700E-04	-1.10370E-05
1547	8.00237E-05	7.18616E-05	-4.27692E-04	4.07332E-05	-1.02365E-04	-9.84756E-06
1548	8.50430E-05	6.83289E-05	-4.07415E-04	4.92612E-05	-9.83587E-05	-8.99782E-06
1549	8.99625E-05	6.34620E-05	-3.83152E-04	5.71382E-05	-9.31539E-05	-8.20221E-06
1550	9.46968E-05	6.07220E-05	-3.55744E-04	6.45689E-05	-8.68744E-05	-7.42866E-06
1551	9.93386E-05	5.62870E-05	-3.24809E-04	7.11514E-05	-7.94933E-05	-6.66234E-06
1552	1.03787E-04	5.44004E-05	-2.91423E-04	7.72344E-05	-7.11483E-05	-5.86572E-06
1553	1.08098E-04	5.06227E-05	-2.55036E-04	8.23493E-05	-6.18432E-05	-5.00671E-06
1554	1.12137E-04	4.96138E-05	-2.16990E-04	8.68387E-05	-5.17536E-05	-4.04424E-06
1555	1.15903E-04	4.67790E-05	-1.76563E-04	9.04149E-05	-4.09817E-05	-2.93902E-06
1556	1.19172E-04	4.65554E-05	-1.35247E-04	9.32693E-05	-2.99371E-05	-1.83551E-06
1557	1.21950E-04	4.50228E-05	-9.22743E-05	9.50524E-05	-1.91806E-05	-1.15969E-06
1558	1.24100E-04	4.52843E-05	-4.94085E-05	9.58099E-05	-9.64636E-06	-1.79505E-06
1559	1.25919E-04	4.50544E-05	-5.82047E-06	9.44242E-05	-4.29482E-06	-2.73938E-06
1560	1.27219E-04	7.86232E-05	-6.90267E-06	9.25562E-05	-4.38082E-06	-4.43774E-06
1561	1.28488E-04	1.12246E-04	-4.49893E-06	9.28718E-05	-3.88088E-06	-7.03953E-06
1562	1.29335E-04	1.45942E-04	-7.12820E-06	9.56473E-05	-3.01201E-06	-9.41796E-06
1563	1.30072E-04	1.81664E-04	0.00000E+00	9.82040E-05	-5.28302E-07	-1.11119E-05
1564	1.94064E-04	1.01776E-04	-2.93911E-04	-7.75965E-08	-7.48610E-05	0.00000E+00
1565	1.92866E-04	1.07708E-04	-2.79313E-04	1.97606E-06	-7.09147E-05	0.00000E+00
1566	1.90619E-04	1.11823E-04	-2.62039E-04	4.05052E-06	-6.63809E-05	0.00000E+00
1567	1.87306E-04	1.17055E-04	-2.43001E-04	6.16499E-06	-6.12375E-05	0.00000E+00
1568	1.82902E-04	1.20211E-04	-2.21091E-04	8.32756E-06	-5.54680E-05	0.00000E+00
1569	1.77384E-04	1.24663E-04	-1.98555E-04	1.05277E-05	-4.90679E-05	0.00000E+00
1570	1.70747E-04	1.26879E-04	-1.72748E-04	1.27107E-05	-4.20542E-05	0.00000E+00
1571	1.63036E-04	1.30439E-04	-1.47745E-04	1.47224E-05	-3.44936E-05	0.00000E+00
1572	1.54418E-04	1.31764E-04	-1.18776E-04	1.62131E-05	-2.65416E-05	0.00000E+00
1573	0.00000E+00	0.00000E+00	0.00000E+00	1.00625E-06	-9.32372E-05	0.00000E+00
1574	1.02021E-05	1.10675E-06	-5.11251E-05	-2.77812E-05	-1.61116E-05	0.00000E+00
1575	-5.94222E-06	3.34082E-05	5.76015E-07	-3.51744E-06	-9.14832E-05	0.00000E+00
1576	4.34584E-06	3.68622E-05	-4.69259E-05	-2.63931E-05	-1.70040E-05	0.00000E+00
1577	-9.71455E-06	6.65438E-05	-3.02515E-06	-9.68193E-06	-8.98216E-05	0.00000E+00
1578	-1.60129E-06	7.08246E-05	-5.00568E-05	-2.18021E-05	-1.66439E-05	0.00000E+00
1579	-1.35589E-05	9.89788E-05	-1.98608E-06	-1.61347E-05	-8.83759E-05	0.00000E+00
1580	-7.12850E-06	1.05171E-04	-4.81064E-05	-1.75432E-05	-1.61281E-05	0.00000E+00
1581	-1.84290E-05	1.31007E-04	-3.27498E-06	-8.90018E-05	-6.43870E-06	-2.01307E-05
1582	-1.16722E-05	1.30754E-04	-4.37820E-05	-9.03444E-05	-1.25919E-05	0.00000E+00
1583	1.42776E-06	1.04351E-04	-9.35241E-05	-1.92595E-05	-2.24663E-05	0.00000E+00
1584	-6.03868E-06	1.29699E-04	-8.47976E-05	-8.96582E-05	-2.07799E-05	0.00000E+00
1585	1.05394E-05	1.05074E-04	-1.35522E-04	-1.97487E-05	-3.11742E-05	0.00000E+00
1586	-2.40439E-08	1.29462E-04	-1.24825E-04	-8.69868E-05	-2.97438E-05	0.00000E+00
1587	1.95677E-05	1.03501E-04	-1.78610E-04	-1.93885E-05	-4.03044E-05	0.00000E+00
1588	5.40017E-06	1.27377E-04	-1.63517E-04	-8.37253E-05	-3.83714E-05	0.00000E+00
1589	2.83616E-05	1.04388E-04	-2.18145E-04	-1.87570E-05	-4.97038E-05	0.00000E+00
1590	1.09865E-05	1.26677E-04	-2.00575E-04	-7.99460E-05	-4.76101E-05	0.00000E+00
1591	3.68112E-05	1.02416E-04	-2.57448E-04	-1.80055E-05	-5.86139E-05	0.00000E+00
1592	1.60499E-05	1.23663E-04	-2.35824E-04	-7.55934E-05	-5.60436E-05	0.00000E+00
1593	4.49106E-05	1.03080E-04	-2.93067E-04	-1.71814E-05	-6.71823E-05	0.00000E+00
1594	2.12996E-05	1.22308E-04	-2.68945E-04	-7.06340E-05	-6.46012E-05	0.00000E+00
1595	5.25985E-05	1.00927E-04	-3.27238E-04	-1.62916E-05	-7.49026E-05	0.00000E+00
1596	2.60478E-05	1.18582E-04	-2.99702E-04	-6.50286E-05	-7.21200E-05	0.00000E+00
1597	5.98708E-05	1.01230E-04	-3.57533E-04	-1.53317E-05	-8.20084E-05	0.00000E+00
1598	3.10065E-05	1.16499E-04	-3.27771E-04	-5.88404E-05	-7.94004E-05	0.00000E+00
1599	6.66668E-05	9.90597E-05	-3.85346E-04	-1.43024E-05	-8.80709E-05	0.00000E+00
1600	3.54777E-05	1.12268E-04	-3.52932E-04	-5.20733E-05	-8.55349E-05	0.00000E+00
1601	7.29753E-05	9.89526E-05	-4.09063E-04	-1.31925E-05	-9.33343E-05	0.00000E+00
1602	4.01359E-05	1.09443E-04	-3.74899E-04	-4.47973E-05	-9.11546E-05	0.00000E+00
1603	7.87336E-05	9.68762E-05	-4.29469E-04	-1.20090E-05	-9.74496E-05	0.00000E+00

1604	4.43151E-05	1.04889E-04	-3.93481E-04	-3.70280E-05	-9.55574E-05	0.00000E+00
1605	8.39206E-05	9.63425E-05	-4.45531E-04	-1.07223E-05	-1.00672E-04	0.00000E+00
1606	4.86155E-05	1.01328E-04	-4.08431E-04	-2.87926E-05	-9.92884E-05	0.00000E+00
1607	8.84393E-05	9.44634E-05	-4.57698E-04	-9.26976E-06	-1.02820E-04	0.00000E+00
1608	5.24187E-05	9.66139E-05	-4.19568E-04	-2.01126E-05	-1.01725E-04	0.00000E+00
1609	9.22525E-05	9.33077E-05	-4.65141E-04	-8.27110E-06	-1.04309E-04	0.00000E+00
1610	5.62621E-05	9.22888E-05	-4.26611E-04	-1.06573E-05	-1.03460E-04	0.00000E+00
1611	5.97696E-05	8.75054E-05	-4.29003E-04	6.10407E-07	-1.04358E-04	-1.14571E-05
1612	9.58917E-05	8.77341E-05	-4.28598E-04	-1.12485E-05	5.50533E-07	0.00000E+00
1613	6.54947E-05	8.26933E-05	-4.26060E-04	1.18865E-05	-1.04100E-04	0.00000E+00
1614	7.09280E-05	7.83781E-05	-4.18476E-04	2.12867E-05	-1.03035E-04	0.00000E+00
1615	1.32468E-04	8.78939E-05	-4.28964E-04	-1.09898E-05	4.61291E-07	0.00000E+00
1616	1.29858E-04	8.96413E-05	-4.65262E-04	-9.64061E-06	-1.03747E-04	0.00000E+00
1617	1.69253E-04	8.80485E-05	-4.29083E-04	-1.07344E-05	4.81142E-07	0.00000E+00
1618	1.67553E-04	8.64544E-05	-4.64609E-04	-1.18113E-05	-1.04018E-04	0.00000E+00
1619	7.62744E-05	7.36440E-05	-4.06844E-04	2.98570E-05	-1.01243E-04	0.00000E+00
1620	2.06116E-04	8.82164E-05	-4.30612E-04	-1.06050E-05	4.71709E-07	0.00000E+00
1621	2.05325E-04	8.17375E-05	-4.63030E-04	-1.29685E-05	-1.04308E-04	0.00000E+00
1622	8.12847E-05	7.00909E-05	-3.91453E-04	3.79619E-05	-9.80942E-05	0.00000E+00
1623	8.62297E-05	6.55075E-05	-3.72494E-04	4.55807E-05	-9.42289E-05	0.00000E+00
1624	9.09102E-05	6.26977E-05	-3.50224E-04	5.26757E-05	-8.90475E-05	0.00000E+00
1625	9.55415E-05	5.84360E-05	-3.24854E-04	5.92303E-05	-8.32987E-05	0.00000E+00
1626	9.99154E-05	5.63949E-05	-2.96678E-04	6.51646E-05	-7.62375E-05	0.00000E+00
1627	1.04225E-04	5.26484E-05	-2.65946E-04	7.04787E-05	-6.88677E-05	0.00000E+00
1628	1.08226E-04	5.14001E-05	-2.32992E-04	7.50918E-05	-6.02092E-05	0.00000E+00
1629	1.12097E-04	4.84109E-05	-1.98093E-04	7.90405E-05	-5.15741E-05	0.00000E+00
1630	1.15523E-04	4.79232E-05	-1.61582E-04	8.23331E-05	-4.17810E-05	0.00000E+00
1631	1.18697E-04	4.59794E-05	-1.23697E-04	8.49953E-05	-3.23367E-05	0.00000E+00
1632	1.21221E-04	4.60484E-05	-8.47282E-05	8.71229E-05	-2.21720E-05	0.00000E+00
1633	1.23636E-04	4.52269E-05	-4.49024E-05	8.77575E-05	-1.22548E-05	0.00000E+00
1634	1.25000E-04	4.54689E-05	-5.45994E-06	8.61047E-05	-5.01407E-06	-2.41588E-06
1635	1.26982E-04	7.64978E-05	-4.31100E-06	-7.16687E-06	8.53159E-05	0.00000E+00
1636	1.27828E-04	1.07780E-04	-6.25086E-06	-1.56416E-05	8.62389E-05	0.00000E+00
1637	1.29609E-04	1.39630E-04	-2.54689E-06	-2.40162E-05	8.78652E-05	0.00000E+00
1638	1.28830E-04	1.71973E-04	-7.51361E-06	-3.01008E-05	9.04497E-05	0.00000E+00
1639	1.94224E-04	9.67249E-05	-3.05815E-04	-2.14012E-06	-7.82579E-05	0.00000E+00
1640	1.66968E-04	9.19649E-05	-2.94630E-04	-1.34675E-06	-7.47520E-05	0.00000E+00
1641	1.67200E-04	9.44829E-05	-2.79836E-04	5.02560E-07	-7.08168E-05	0.00000E+00
1642	1.65899E-04	8.78789E-05	-3.06663E-04	-3.21970E-06	-7.81191E-05	0.00000E+00
1643	1.66598E-04	9.82190E-05	-2.62901E-04	2.36565E-06	-6.62873E-05	0.00000E+00
1644	1.65150E-04	1.00099E-04	-2.43132E-04	4.26303E-06	-6.11432E-05	0.00000E+00
1645	1.62838E-04	1.03447E-04	-2.22174E-04	6.20483E-06	-5.53716E-05	0.00000E+00
1646	1.59642E-04	1.04705E-04	-1.98187E-04	8.18597E-06	-4.89682E-05	0.00000E+00
1647	1.55548E-04	1.07589E-04	-1.74167E-04	1.01643E-05	-4.19556E-05	0.00000E+00
1648	1.50575E-04	1.08273E-04	-1.46731E-04	1.20125E-05	-3.44095E-05	0.00000E+00
1649	1.44829E-04	1.10593E-04	-1.20699E-04	1.34263E-05	-2.65101E-05	0.00000E+00
1650	1.45315E-04	1.34307E-04	-9.24610E-05	1.64798E-05	-1.84901E-05	0.00000E+00
1651	1.38613E-04	1.10780E-04	-9.05785E-05	1.37842E-05	-1.86068E-05	0.00000E+00
1652	-4.85002E-06	1.76105E-06	4.27801E-07	3.09321E-06	-8.65944E-05	0.00000E+00
1653	-4.82136E-06	3.30341E-05	-7.24927E-07	-3.37644E-07	-8.58879E-05	0.00000E+00
1654	2.60926E-05	3.40905E-06	-9.06952E-05	-3.45184E-05	-2.26921E-05	0.00000E+00
1655	1.77868E-05	3.69627E-05	-9.44357E-05	-3.18182E-05	-2.30173E-05	0.00000E+00
1656	-9.04783E-06	6.37421E-05	-3.77466E-07	-6.75332E-06	-8.35787E-05	0.00000E+00
1657	9.53796E-06	7.17252E-05	-9.17818E-05	-2.57604E-05	-2.28430E-05	0.00000E+00
1658	-1.33309E-05	9.36152E-05	-1.62752E-06	-1.42610E-05	-8.19127E-05	0.00000E+00
1659	-1.66780E-05	1.23315E-04	-1.38491E-06	-8.33106E-05	-4.78015E-06	-1.82993E-05
1660	-1.11733E-05	1.22748E-04	-3.97902E-05	-8.45945E-05	-9.69119E-06	0.00000E+00
1661	-5.07700E-06	1.22398E-04	-7.77445E-05	-8.27592E-05	-1.83919E-05	0.00000E+00
1662	2.16809E-05	7.11790E-05	-1.37064E-04	-2.70077E-05	-3.09251E-05	0.00000E+00
1663	4.46464E-07	1.21120E-04	-1.14653E-04	-8.00689E-05	-2.67575E-05	0.00000E+00
1664	3.40244E-05	7.31447E-05	-1.77240E-04	-2.69603E-05	-3.97748E-05	0.00000E+00
1665	6.25309E-06	1.20456E-04	-1.50178E-04	-7.67733E-05	-3.53487E-05	0.00000E+00

1666	4.61439E-05	7.26908E-05	-2.19190E-04	-2.62206E-05	-4.87452E-05	0.00000E+00
1667	1.15469E-05	1.18329E-04	-1.84115E-04	-7.31135E-05	-4.36342E-05	0.00000E+00
1668	5.78218E-05	7.51180E-05	-2.56477E-04	-2.51298E-05	-5.74981E-05	0.00000E+00
1669	1.70473E-05	1.17178E-04	-2.16308E-04	-6.90182E-05	-5.18386E-05	0.00000E+00
1670	6.89484E-05	7.49395E-05	-2.93729E-04	-2.38166E-05	-6.57406E-05	0.00000E+00
1671	2.20219E-05	1.14286E-04	-2.46525E-04	-6.44077E-05	-5.95533E-05	0.00000E+00
1672	7.94317E-05	7.75914E-05	-3.26581E-04	-2.23318E-05	-7.33594E-05	0.00000E+00
1673	2.72295E-05	1.12566E-04	-2.74545E-04	-5.92589E-05	-6.69378E-05	0.00000E+00
1674	8.92081E-05	7.78212E-05	-3.57904E-04	-2.06969E-05	-8.01976E-05	0.00000E+00
1675	3.19153E-05	1.09080E-04	-3.00110E-04	-5.35883E-05	-7.36607E-05	0.00000E+00
1676	9.82045E-05	8.05584E-05	-3.84923E-04	-1.89246E-05	-8.62126E-05	0.00000E+00
1677	3.68368E-05	1.06737E-04	-3.23008E-04	-4.74250E-05	-7.98327E-05	0.00000E+00
1678	1.06367E-04	8.12640E-05	-4.09222E-04	-1.70312E-05	-9.13066E-05	0.00000E+00
1679	4.12427E-05	1.02824E-04	-3.43006E-04	-4.07974E-05	-8.52064E-05	0.00000E+00
1680	1.13635E-04	8.40039E-05	-4.29215E-04	-1.50403E-05	-9.54959E-05	0.00000E+00
1681	4.58459E-05	9.98363E-05	-3.59915E-04	-3.37211E-05	-8.98672E-05	0.00000E+00
1682	1.19971E-04	8.51939E-05	-4.45559E-04	-1.29953E-05	-9.88052E-05	0.00000E+00
1683	4.99387E-05	9.56477E-05	-3.73517E-04	-2.62171E-05	-9.36478E-05	0.00000E+00
1684	1.25346E-04	8.78898E-05	-4.57508E-04	-1.10318E-05	-1.01497E-04	0.00000E+00
1685	5.41413E-05	9.19961E-05	-3.83652E-04	-1.83276E-05	-9.66192E-05	0.00000E+00
1686	5.79263E-05	8.76413E-05	-3.90056E-04	-9.54617E-06	-9.85474E-05	0.00000E+00
1687	6.16580E-05	8.33612E-05	-3.92097E-04	8.61803E-07	-9.92350E-05	-1.13247E-05
1688	9.59773E-05	8.36561E-05	-3.92002E-04	-1.12835E-05	7.58463E-07	0.00000E+00
1689	6.71424E-05	7.91300E-05	-3.89254E-04	1.13467E-05	-9.92878E-05	0.00000E+00
1690	1.30426E-04	8.39211E-05	-3.91925E-04	-1.09787E-05	7.35344E-07	0.00000E+00
1691	7.24841E-05	7.47131E-05	-3.82045E-04	2.00694E-05	-9.81102E-05	0.00000E+00
1692	7.75295E-05	7.11503E-05	-3.71152E-04	2.78149E-05	-9.58988E-05	0.00000E+00
1693	1.65341E-04	8.41900E-05	-3.93047E-04	-1.06343E-05	7.58708E-07	0.00000E+00
1694	1.62014E-04	8.00698E-05	-4.56838E-04	-1.32535E-05	-1.01218E-04	0.00000E+00
1695	2.00744E-04	8.44646E-05	-3.93538E-04	-1.04247E-05	7.53737E-07	0.00000E+00
1696	1.98711E-04	7.31274E-05	-4.55831E-04	-1.42364E-05	-1.01385E-04	0.00000E+00
1697	8.25107E-05	6.68529E-05	-3.56869E-04	3.51490E-05	-9.28083E-05	0.00000E+00
1698	8.71838E-05	6.40012E-05	-3.39358E-04	4.20229E-05	-8.88220E-05	0.00000E+00
1699	9.18179E-05	5.99374E-05	-3.18864E-04	4.84088E-05	-8.40107E-05	0.00000E+00
1700	9.61700E-05	5.78002E-05	-2.95584E-04	5.42775E-05	-7.83668E-05	0.00000E+00
1701	1.00476E-04	5.41306E-05	-2.69790E-04	5.96028E-05	-7.20091E-05	0.00000E+00
1702	1.04478E-04	5.27159E-05	-2.41702E-04	6.43405E-05	-6.49393E-05	0.00000E+00
1703	1.08394E-04	4.96348E-05	-2.11629E-04	6.84787E-05	-5.73184E-05	0.00000E+00
1704	1.11920E-04	4.89260E-05	-1.79799E-04	7.20101E-05	-4.91474E-05	0.00000E+00
1705	1.15293E-04	4.66702E-05	-1.46530E-04	7.49619E-05	-4.05888E-05	0.00000E+00
1706	1.18123E-04	4.65553E-05	-1.12013E-04	7.73965E-05	-3.15483E-05	0.00000E+00
1707	1.20848E-04	4.52824E-05	-7.65457E-05	7.91317E-05	-2.21622E-05	0.00000E+00
1708	1.22865E-04	4.54758E-05	-4.04272E-05	8.02687E-05	-1.16385E-05	0.00000E+00
1709	1.25019E-04	4.51113E-05	-4.02146E-06	7.87800E-05	-4.33873E-06	-4.21762E-06
1710	1.26175E-04	7.32176E-05	-5.06920E-06	-9.67153E-06	7.71664E-05	0.00000E+00
1711	1.27884E-04	1.01200E-04	-2.99812E-06	-1.91365E-05	7.78976E-05	0.00000E+00
1712	1.28275E-04	1.29654E-04	-6.45377E-06	-2.90657E-05	7.91422E-05	0.00000E+00
1713	1.29435E-04	1.58423E-04	-2.54970E-06	-3.47184E-05	7.95215E-05	0.00000E+00
1714	1.93344E-04	9.01130E-05	-3.15111E-04	-4.26504E-06	-8.11580E-05	0.00000E+00
1715	1.63971E-04	8.47703E-05	-3.15713E-04	-5.16432E-06	-8.09777E-05	0.00000E+00
1716	1.39821E-04	8.11799E-05	-2.94934E-04	-4.31838E-06	-7.51910E-05	0.00000E+00
1717	1.41475E-04	8.30664E-05	-2.80341E-04	-2.95742E-06	-7.12939E-05	0.00000E+00
1718	1.37543E-04	8.05432E-05	-3.07040E-04	-5.72065E-06	-7.84791E-05	0.00000E+00
1719	1.42511E-04	8.33713E-05	-2.62944E-04	-1.59558E-06	-6.67921E-05	0.00000E+00
1720	1.34599E-04	7.86471E-05	-3.16232E-04	-7.24971E-06	-8.11916E-05	0.00000E+00
1721	1.42927E-04	8.52318E-05	-2.43818E-04	-2.11388E-07	-6.16625E-05	0.00000E+00
1722	1.42707E-04	8.52291E-05	-2.21891E-04	1.20871E-06	-5.59065E-05	0.00000E+00
1723	1.41834E-04	8.70193E-05	-1.99128E-04	2.67059E-06	-4.95079E-05	0.00000E+00
1724	1.40288E-04	8.67624E-05	-1.73466E-04	4.15850E-06	-4.24952E-05	0.00000E+00
1725	1.38066E-04	8.84085E-05	-1.48030E-04	5.60240E-06	-3.49179E-05	0.00000E+00
1726	1.35210E-04	8.79791E-05	-1.19458E-04	6.81073E-06	-2.69554E-05	0.00000E+00
1727	1.31897E-04	8.93524E-05	-9.23493E-05	7.33317E-06	-1.89424E-05	0.00000E+00

1728	1.36606E-04	1.34864E-04	-6.09677E-05	1.43082E-05	-1.08211E-05	0.00000E+00
1729	1.32615E-04	1.12414E-04	-6.36866E-05	1.19206E-05	-1.12504E-05	0.00000E+00
1730	1.28595E-04	8.88679E-05	-6.17647E-05	6.26637E-06	-1.15421E-05	0.00000E+00
1731	-4.59572E-06	2.97379E-06	-1.74164E-06	-2.26046E-06	-8.33417E-05	0.00000E+00
1732	-5.06797E-06	3.29321E-05	-8.77528E-07	-1.50667E-06	-8.17361E-05	0.00000E+00
1733	-9.25081E-06	6.15765E-05	-6.04323E-07	-7.53215E-06	-7.71846E-05	0.00000E+00
1734	4.40617E-05	4.70737E-06	-1.37114E-04	-3.69440E-05	-3.08854E-05	0.00000E+00
1735	3.28531E-05	3.93616E-05	-1.34586E-04	-3.40430E-05	-3.09745E-05	0.00000E+00
1736	-1.21637E-05	8.87286E-05	-5.31697E-07	-1.37245E-05	-7.54705E-05	0.00000E+00
1737	-1.57924E-05	1.16143E-04	-1.18082E-06	-7.70137E-05	-2.08652E-06	-1.74994E-05
1738	-1.00438E-05	1.15654E-04	-3.65580E-05	-7.82744E-05	-8.05293E-06	0.00000E+00
1739	-4.53609E-06	1.14983E-04	-7.15690E-05	-7.63191E-05	-1.63049E-05	0.00000E+00
1740	1.30038E-06	1.14232E-04	-1.05473E-04	-7.35050E-05	-2.42068E-05	0.00000E+00
1741	4.83727E-05	3.99787E-05	-1.78920E-04	-3.42883E-05	-3.96171E-05	0.00000E+00
1742	6.76176E-06	1.12869E-04	-1.38013E-04	-7.03003E-05	-3.19736E-05	0.00000E+00
1743	6.37179E-05	4.35117E-05	-2.17346E-04	-3.34939E-05	-4.84276E-05	0.00000E+00
1744	1.24308E-05	1.11758E-04	-1.69043E-04	-6.67726E-05	-3.98071E-05	0.00000E+00
1745	7.85414E-05	4.48687E-05	-2.57395E-04	-3.20938E-05	-5.70310E-05	0.00000E+00
1746	1.76427E-05	1.09663E-04	-1.98397E-04	-6.29147E-05	-4.72101E-05	0.00000E+00
1747	9.26344E-05	4.92884E-05	-2.92362E-04	-3.03128E-05	-6.51727E-05	0.00000E+00
1748	2.30315E-05	1.08158E-04	-2.25915E-04	-5.85865E-05	-5.44710E-05	0.00000E+00
1749	1.05857E-04	5.15126E-05	-3.26917E-04	-2.82521E-05	-7.26904E-05	0.00000E+00
1750	2.79649E-05	1.05416E-04	-2.51361E-04	-5.38128E-05	-6.12490E-05	0.00000E+00
1751	1.18096E-04	5.65978E-05	-3.56872E-04	-2.59621E-05	-7.94653E-05	0.00000E+00
1752	3.30788E-05	1.03429E-04	-2.74556E-04	-4.85819E-05	-6.76321E-05	0.00000E+00
1753	1.29258E-04	5.97311E-05	-3.84822E-04	-2.34785E-05	-8.54207E-05	0.00000E+00
1754	3.77385E-05	1.00177E-04	-2.95279E-04	-4.29228E-05	-7.34267E-05	0.00000E+00
1755	1.39261E-04	6.53077E-05	-4.08422E-04	-2.08445E-05	-9.05062E-05	0.00000E+00
1756	4.25669E-05	9.76586E-05	-3.13356E-04	-3.68452E-05	-7.86343E-05	0.00000E+00
1757	1.48049E-04	6.93227E-05	-4.28787E-04	-1.81316E-05	-9.47320E-05	0.00000E+00
1758	4.69451E-05	9.40321E-05	-3.28592E-04	-3.03770E-05	-8.31755E-05	0.00000E+00
1759	1.55606E-04	7.52790E-05	-4.44919E-04	-1.54869E-05	-9.82020E-05	0.00000E+00
1760	5.14400E-05	9.09375E-05	-3.40813E-04	-2.34860E-05	-8.69690E-05	0.00000E+00
1761	5.55050E-05	8.70414E-05	-3.49817E-04	-1.61733E-05	-9.01187E-05	0.00000E+00
1762	5.96251E-05	8.33479E-05	-3.55437E-04	-8.50533E-06	-9.23703E-05	0.00000E+00
1763	6.33923E-05	7.92833E-05	-3.57341E-04	1.09737E-06	-9.33721E-05	-1.12883E-05
1764	9.59396E-05	7.95955E-05	-3.57149E-04	-1.11021E-05	9.12948E-07	0.00000E+00
1765	6.87525E-05	7.51654E-05	-3.54361E-04	1.09366E-05	-9.31212E-05	0.00000E+00
1766	1.28433E-04	7.99665E-05	-3.57454E-04	-1.08785E-05	1.02770E-06	0.00000E+00
1767	7.38040E-05	7.16005E-05	-3.47653E-04	1.85072E-05	-9.16580E-05	0.00000E+00
1768	1.60996E-04	8.03624E-05	-3.57600E-04	-1.05420E-05	1.06340E-06	0.00000E+00
1769	7.87953E-05	6.75531E-05	-3.37618E-04	2.56615E-05	-8.91753E-05	0.00000E+00
1770	8.34940E-05	6.46725E-05	-3.24455E-04	3.23458E-05	-8.61633E-05	0.00000E+00
1771	1.95106E-04	8.07590E-05	-3.59189E-04	-1.03751E-05	1.07803E-06	0.00000E+00
1772	1.91202E-04	6.35664E-05	-4.43740E-04	-1.65886E-05	-9.83740E-05	0.00000E+00
1773	8.81320E-05	6.08169E-05	-3.08371E-04	3.85670E-05	-8.21752E-05	0.00000E+00
1774	9.24959E-05	5.86204E-05	-2.89582E-04	4.43297E-05	-7.76619E-05	0.00000E+00
1775	9.68028E-05	5.50662E-05	-2.68286E-04	4.96223E-05	-7.21990E-05	0.00000E+00
1776	1.00833E-04	5.35398E-05	-2.44717E-04	5.44000E-05	-6.63519E-05	0.00000E+00
1777	1.04774E-04	5.04368E-05	-2.19093E-04	5.86638E-05	-5.95818E-05	0.00000E+00
1778	1.08395E-04	4.95664E-05	-1.91671E-04	6.23708E-05	-5.26322E-05	0.00000E+00
1779	1.11872E-04	4.70945E-05	-1.62682E-04	6.55422E-05	-4.48035E-05	0.00000E+00
1780	1.14927E-04	4.68048E-05	-1.32385E-04	6.81797E-05	-3.69920E-05	0.00000E+00
1781	1.17834E-04	4.51492E-05	-1.01017E-04	7.02304E-05	-2.83189E-05	0.00000E+00
1782	1.20233E-04	4.52525E-05	-6.88818E-05	7.17893E-05	-1.97965E-05	0.00000E+00
1783	1.22624E-04	4.45112E-05	-3.62606E-05	7.21259E-05	-9.77752E-06	0.00000E+00
1784	1.24574E-04	4.45761E-05	-4.13204E-06	7.03235E-05	-3.06297E-06	-4.63665E-06
1785	1.26179E-04	6.94702E-05	-3.15676E-06	-9.10971E-06	6.91058E-05	0.00000E+00
1786	1.27061E-04	9.42886E-05	-4.96146E-06	-1.66979E-05	6.98204E-05	0.00000E+00
1787	1.28125E-04	1.19585E-04	-2.00626E-06	-2.45802E-05	7.11079E-05	0.00000E+00
1788	1.29230E-04	1.45181E-04	-5.74232E-06	-2.85845E-05	7.00711E-05	0.00000E+00
1789	1.91378E-04	8.43420E-05	-3.20850E-04	-6.60060E-06	-8.36230E-05	0.00000E+00

1790	1.61128E-04	8.02628E-05	-3.22071E-04	-7.37065E-06	-8.32862E-05	0.00000E+00
1791	1.30902E-04	7.75806E-05	-3.22457E-04	-8.99050E-06	-8.32456E-05	0.00000E+00
1792	1.12394E-04	7.18388E-05	-2.95062E-04	-7.22909E-06	-7.62817E-05	0.00000E+00
1793	1.15452E-04	7.02869E-05	-2.80221E-04	-6.38027E-06	-7.24806E-05	0.00000E+00
1794	1.08942E-04	7.21660E-05	-3.07035E-04	-8.11154E-06	-7.94882E-05	0.00000E+00
1795	1.18113E-04	7.02848E-05	-2.63205E-04	-5.53137E-06	-6.79964E-05	0.00000E+00
1796	1.05050E-04	7.36155E-05	-3.16326E-04	-9.11767E-06	-8.19460E-05	0.00000E+00
1797	1.20383E-04	6.87204E-05	-2.43536E-04	-4.66468E-06	-6.29283E-05	0.00000E+00
1798	1.00646E-04	7.44363E-05	-3.22368E-04	-1.02205E-05	-8.36574E-05	0.00000E+00
1799	1.22244E-04	6.90123E-05	-2.22336E-04	-3.76649E-06	-5.71800E-05	0.00000E+00
1800	1.23690E-04	6.75077E-05	-1.98634E-04	-2.82311E-06	-5.08459E-05	0.00000E+00
1801	1.24690E-04	6.80484E-05	-1.74150E-04	-1.83247E-06	-4.38456E-05	0.00000E+00
1802	1.25232E-04	6.67014E-05	-1.47268E-04	-8.21833E-07	-3.63173E-05	0.00000E+00
1803	1.25306E-04	6.73950E-05	-1.20431E-04	1.18719E-07	-2.82691E-05	0.00000E+00
1804	1.24983E-04	6.63369E-05	-9.12674E-05	7.40686E-07	-2.01140E-05	0.00000E+00
1805	1.24478E-04	6.69230E-05	-6.29657E-05	4.16122E-07	-1.23181E-05	0.00000E+00
1806	1.29976E-04	1.36358E-04	-3.47437E-05	7.26706E-06	-4.35138E-06	0.00000E+00
1807	1.28236E-04	1.12249E-04	-3.15574E-05	5.70557E-06	-5.70363E-06	0.00000E+00
1808	1.26344E-04	8.95736E-05	-3.37865E-05	1.97572E-06	-6.19655E-06	0.00000E+00
1809	1.24424E-04	6.64181E-05	-3.25132E-05	-1.58498E-06	-6.63177E-06	0.00000E+00
1810	0.00000E+00	0.00000E+00	0.00000E+00	-8.81777E-05	-1.58267E-05	-1.04751E-05
1811	-6.77561E-06	3.21458E-05	-2.97216E-07	-7.91958E-05	-1.17642E-05	-1.25502E-05
1812	-8.39065E-06	5.79964E-05	-6.34706E-07	-7.10564E-05	-8.55316E-06	-1.25250E-05
1813	-1.20617E-05	8.38530E-05	-8.13995E-07	-7.08237E-05	-8.94527E-06	-1.41357E-05
1814	6.27248E-05	8.66383E-06	-1.76190E-04	-3.73670E-05	-3.96388E-05	0.00000E+00
1815	-1.45448E-05	1.09320E-04	-9.21534E-07	-7.11848E-05	-5.20829E-06	-1.52071E-05
1816	-9.31364E-06	1.09140E-04	-3.35762E-05	-7.23323E-05	-9.35077E-06	-1.34813E-05
1817	-3.62648E-06	1.08245E-04	-6.59794E-05	-7.04096E-05	-1.51832E-05	-1.47983E-05
1818	1.86491E-06	1.07469E-04	-9.71502E-05	-6.76197E-05	-2.18336E-05	-1.52123E-05
1819	7.58062E-06	1.06222E-04	-1.27100E-04	-6.43544E-05	-2.86355E-05	-1.52290E-05
1820	8.12664E-05	1.11089E-05	-2.18671E-04	-3.65513E-05	-4.84912E-05	0.00000E+00
1821	1.30003E-05	1.04852E-04	-1.55363E-04	-6.09354E-05	-3.56554E-05	-1.49652E-05
1822	9.92055E-05	1.66781E-05	-2.55337E-04	-3.50276E-05	-5.71085E-05	0.00000E+00
1823	1.84926E-05	1.03415E-04	-1.82222E-04	-5.73186E-05	-4.23837E-05	-1.46340E-05
1824	1.16248E-04	2.04735E-05	-2.92775E-04	-3.30525E-05	-6.52586E-05	0.00000E+00
1825	2.36865E-05	1.01395E-04	-2.07183E-04	-5.31779E-05	-4.90100E-05	-1.42240E-05
1826	1.32192E-04	2.73784E-05	-3.25312E-04	-3.07505E-05	-7.27802E-05	0.00000E+00
1827	2.89209E-05	9.96326E-05	-2.30316E-04	-4.87745E-05	-5.51579E-05	-1.37853E-05
1828	1.46885E-04	3.25572E-05	-3.56595E-04	-2.81857E-05	-7.95634E-05	0.00000E+00
1829	3.38597E-05	9.70500E-05	-2.51268E-04	-4.38822E-05	-6.10401E-05	-1.33131E-05
1830	1.60204E-04	4.05307E-05	-3.83510E-04	-2.54047E-05	-8.55263E-05	0.00000E+00
1831	3.88313E-05	9.48831E-05	-2.69990E-04	-3.86940E-05	-6.63177E-05	-1.28206E-05
1832	1.72053E-04	4.70359E-05	-4.07629E-04	-2.24632E-05	-9.06266E-05	0.00000E+00
1833	4.35082E-05	9.18473E-05	-2.86230E-04	-3.30580E-05	-7.12104E-05	-1.22924E-05
1834	1.82377E-04	5.58573E-05	-4.27656E-04	-1.94581E-05	-9.48715E-05	0.00000E+00
1835	4.82013E-05	8.92207E-05	-2.99867E-04	-2.71598E-05	-7.54027E-05	-1.17429E-05
1836	5.25987E-05	8.58359E-05	-3.10744E-04	-2.07892E-05	-7.90959E-05	-1.11267E-05
1837	5.69800E-05	8.26598E-05	-3.18616E-04	-1.40518E-05	-8.19588E-05	-1.04180E-05
1838	6.10446E-05	7.89971E-05	-3.23383E-04	-6.97608E-06	-8.41440E-05	-9.65585E-06
1839	6.51865E-05	7.51982E-05	-3.24719E-04	1.41564E-06	-8.52353E-05	-1.04147E-05
1840	7.01488E-05	7.15290E-05	-3.22049E-04	1.00004E-05	-8.47980E-05	-1.06078E-05
1841	9.57738E-05	7.56847E-05	-3.24951E-04	1.16271E-06	-8.41508E-05	-1.04338E-05
1842	1.26384E-04	7.60683E-05	-3.24939E-04	1.20051E-06	-8.41611E-05	-1.05167E-05
1843	7.51325E-05	6.76937E-05	-3.15903E-04	1.69200E-05	-8.32807E-05	-9.85891E-06
1844	1.57157E-04	7.65689E-05	-3.25041E-04	1.30373E-06	-8.44708E-05	-1.05958E-05
1845	7.98486E-05	6.47688E-05	-3.06807E-04	2.35405E-05	-8.10214E-05	-9.11364E-06
1846	1.88012E-04	7.70188E-05	-3.24959E-04	1.20709E-06	-8.50154E-05	-1.06204E-05
1847	8.44721E-05	6.11098E-05	-2.94675E-04	2.96113E-05	-7.79508E-05	-8.46264E-06
1848	8.88682E-05	5.88784E-05	-2.80058E-04	3.52684E-05	-7.42419E-05	-7.82812E-06
1849	9.31703E-05	5.54612E-05	-2.62809E-04	4.04441E-05	-6.98115E-05	-7.19932E-06
1850	9.72458E-05	5.38632E-05	-2.43493E-04	5.52577E-05	-6.47881E-05	-6.55185E-06
1851	1.01208E-04	5.07970E-05	-2.21909E-04	4.94888E-05	-5.90887E-05	-5.87778E-06

1852	1.04917E-04	4.98136E-05	-1.98743E-04	5.33632E-05	-5.28410E-05	-5.16045E-06
1853	1.08469E-04	4.72268E-05	-1.73678E-04	5.66129E-05	-4.59735E-05	-4.38733E-06
1854	1.11708E-04	4.68066E-05	-1.47549E-04	5.94784E-05	-3.86392E-05	-3.58850E-06
1855	1.14747E-04	4.48433E-05	-1.19911E-04	6.17726E-05	-3.08055E-05	-2.78314E-06
1856	1.17409E-04	4.48322E-05	-9.16930E-05	6.36852E-05	-2.27916E-05	-2.19748E-06
1857	1.19923E-04	4.36720E-05	-6.23834E-05	6.48748E-05	-1.48745E-05	-2.09641E-06
1858	1.22130E-04	4.38359E-05	-3.31333E-05	6.54727E-05	-7.85348E-06	-3.08967E-06
1859	1.24453E-04	4.35796E-05	-3.29671E-06	6.47064E-05	-3.74141E-06	-3.90840E-06
1860	1.25658E-04	6.66041E-05	-4.09564E-06	6.34141E-05	-4.28183E-06	-5.07596E-06
1861	1.27109E-04	8.95988E-05	-2.46094E-06	6.35867E-05	-3.95747E-06	-7.06022E-06
1862	1.28015E-04	1.12652E-04	-4.36882E-06	6.51824E-05	-3.16296E-06	-8.76532E-06
1863	1.28933E-04	1.36834E-04	0.00000E+00	6.65063E-05	-1.40371E-06	-1.00326E-05
1864	1.68789E-04	7.87867E-05	-1.95293E-04	-2.75209E-07	-5.59191E-05	0.00000E+00
1865	1.67975E-04	8.27056E-05	-1.85278E-04	1.01859E-06	-5.26068E-05	0.00000E+00
1866	1.66503E-04	8.52716E-05	-1.73615E-04	2.34357E-06	-4.89383E-05	0.00000E+00
1867	1.64345E-04	8.87182E-05	-1.60746E-04	3.73192E-06	-4.49037E-05	0.00000E+00
1868	1.61469E-04	9.06680E-05	-1.46124E-04	5.18172E-06	-4.04856E-05	0.00000E+00
1869	1.57848E-04	9.35883E-05	-1.31018E-04	6.66840E-06	-3.56725E-05	0.00000E+00
1870	1.53475E-04	9.49514E-05	-1.13936E-04	8.13387E-06	-3.04690E-05	0.00000E+00
1871	1.48390E-04	9.72741E-05	-9.72413E-05	9.45150E-06	-2.49166E-05	0.00000E+00
1872	1.42727E-04	9.81046E-05	-7.81875E-05	1.03604E-05	-1.91201E-05	0.00000E+00
1873	-5.37943E-06	8.78491E-07	7.22046E-07	1.39741E-06	-7.73837E-05	0.00000E+00
1874	7.02393E-06	6.67460E-06	-3.43387E-05	-2.15427E-05	-1.26385E-05	0.00000E+00
1875	-4.53354E-06	2.83052E-05	6.31327E-07	-4.63523E-06	-7.37526E-05	0.00000E+00
1876	2.64655E-06	3.12577E-05	-3.44728E-05	-2.14341E-05	-1.28843E-05	0.00000E+00
1877	-9.13247E-06	5.43965E-05	1.72407E-07	-9.13991E-06	-6.86835E-05	0.00000E+00
1878	-1.84894E-06	5.87160E-05	-3.38594E-05	-1.78502E-05	-1.17546E-05	0.00000E+00
1879	-1.04975E-05	7.86888E-05	-1.96841E-07	-1.40580E-05	-6.57275E-05	0.00000E+00
1880	-5.54864E-06	8.35369E-05	-3.38012E-05	-1.47894E-05	-1.08230E-05	0.00000E+00
1881	-1.42560E-05	1.02472E-04	-2.35623E-07	-6.61235E-05	-2.62798E-06	-1.73416E-05
1882	-8.04002E-06	1.01829E-04	-3.04859E-05	-6.68603E-05	-7.36295E-06	0.00000E+00
1883	1.69847E-06	8.37658E-05	-6.60521E-05	-1.66321E-05	-1.54042E-05	0.00000E+00
1884	-3.05650E-06	1.01471E-04	-6.05771E-05	-6.52775E-05	-1.42587E-05	0.00000E+00
1885	9.67683E-06	8.32783E-05	-9.74209E-05	-1.75126E-05	-2.15961E-05	0.00000E+00
1886	2.82346E-06	1.00354E-04	-8.95086E-05	-6.22688E-05	-2.05445E-05	0.00000E+00
1887	1.77597E-05	8.34072E-05	-1.27061E-04	-1.75633E-05	-2.80949E-05	0.00000E+00
1888	8.13585E-06	9.95215E-05	-1.16962E-04	-5.89513E-05	-2.72025E-05	0.00000E+00
1889	2.57825E-05	8.32294E-05	-1.55601E-04	-1.73174E-05	-3.48938E-05	0.00000E+00
1890	1.38184E-05	9.81370E-05	-1.42893E-04	-5.55822E-05	-3.35983E-05	0.00000E+00
1891	3.36273E-05	8.28904E-05	-1.82299E-04	-1.69098E-05	-4.14617E-05	0.00000E+00
1892	1.90775E-05	9.67337E-05	-1.67271E-04	-5.20598E-05	-4.01444E-05	0.00000E+00
1893	4.12667E-05	8.27541E-05	-2.07424E-04	-1.64059E-05	-4.79351E-05	0.00000E+00
1894	2.45253E-05	9.51180E-05	-1.89984E-04	-4.82186E-05	-4.62593E-05	0.00000E+00
1895	4.86446E-05	8.20715E-05	-2.30477E-04	-1.58390E-05	-5.39598E-05	0.00000E+00
1896	2.95872E-05	9.31543E-05	-2.10885E-04	-4.40564E-05	-5.21969E-05	0.00000E+00
1897	5.57581E-05	8.18571E-05	-2.51536E-04	-1.52251E-05	-5.97255E-05	0.00000E+00
1898	3.47872E-05	9.12445E-05	-2.29824E-04	-3.95543E-05	-5.76336E-05	0.00000E+00
1899	6.25664E-05	8.09325E-05	-2.70211E-04	-1.45710E-05	-6.49280E-05	0.00000E+00
1900	3.96190E-05	8.87989E-05	-2.46651E-04	-3.47301E-05	-6.26938E-05	0.00000E+00
1901	6.90703E-05	8.05651E-05	-2.86535E-04	-1.38768E-05	-6.97744E-05	0.00000E+00
1902	4.45657E-05	8.65333E-05	-2.61218E-04	-2.95884E-05	-6.71644E-05	0.00000E+00
1903	7.52310E-05	7.94765E-05	-3.00143E-04	-1.31396E-05	-7.39842E-05	0.00000E+00
1904	4.91521E-05	8.37001E-05	-2.73389E-04	-2.41431E-05	-7.10743E-05	0.00000E+00
1905	8.10419E-05	7.88996E-05	-3.11054E-04	-1.23264E-05	-7.77430E-05	0.00000E+00
1906	5.38334E-05	8.10145E-05	-2.83011E-04	-1.83478E-05	-7.43347E-05	0.00000E+00
1907	8.64296E-05	7.77492E-05	-3.18979E-04	-1.13429E-05	-8.07539E-05	0.00000E+00
1908	5.81560E-05	7.78886E-05	-2.89934E-04	-1.22117E-05	-7.68456E-05	0.00000E+00
1909	9.13053E-05	7.67746E-05	-3.23741E-04	-1.02746E-05	-8.30510E-05	0.00000E+00
1910	6.25529E-05	7.47242E-05	-2.94001E-04	-5.72786E-06	-7.86136E-05	0.00000E+00
1911	6.67159E-05	7.13889E-05	-2.95002E-04	1.61624E-06	-7.95674E-05	-1.06433E-05
1912	9.53031E-05	7.18886E-05	-2.94767E-04	-1.04989E-05	1.34835E-06	0.00000E+00
1913	7.15801E-05	6.79061E-05	-2.92439E-04	9.26428E-06	-7.92301E-05	0.00000E+00

1914	7.62327E-05	6.49723E-05	-2.86779E-04	1.56560E-05	-7.80747E-05	0.00000E+00
1915	1.24165E-04	7.23572E-05	-2.95110E-04	-1.02517E-05	1.33533E-06	0.00000E+00
1916	1.21378E-04	7.46436E-05	-3.23787E-04	-1.19958E-05	-8.27269E-05	0.00000E+00
1917	1.53221E-04	7.28343E-05	-2.95389E-04	-1.01333E-05	1.38500E-06	0.00000E+00
1918	1.51443E-04	7.27206E-05	-3.23425E-04	-1.40617E-05	-8.28069E-05	0.00000E+00
1919	8.08810E-05	6.15914E-05	-2.78337E-04	2.15780E-05	-7.62801E-05	0.00000E+00
1920	1.81481E-04	7.33319E-05	-2.96907E-04	-1.00337E-05	1.35244E-06	0.00000E+00
1921	1.81532E-04	6.97815E-05	-3.22179E-04	-1.50188E-05	-8.31749E-05	0.00000E+00
1922	8.52509E-05	5.92918E-05	-2.67315E-04	2.70798E-05	-7.35154E-05	0.00000E+00
1923	8.95913E-05	5.60854E-05	-2.53888E-04	3.21636E-05	-7.02292E-05	0.00000E+00
1924	9.36672E-05	5.43882E-05	-2.38258E-04	3.68442E-05	-6.60678E-05	0.00000E+00
1925	9.76898E-05	5.14549E-05	-2.20590E-04	4.11209E-05	-6.15127E-05	0.00000E+00
1926	1.01436E-04	5.03269E-05	-2.01098E-04	4.49538E-05	-5.61276E-05	0.00000E+00
1927	1.05097E-04	4.77796E-05	-1.79961E-04	4.83551E-05	-5.05325E-05	0.00000E+00
1928	1.08442E-04	4.71830E-05	-1.57406E-04	5.12896E-05	-4.41372E-05	0.00000E+00
1929	1.11669E-04	4.51495E-05	-1.33615E-04	5.37926E-05	-3.77369E-05	0.00000E+00
1930	1.14527E-04	4.49898E-05	-1.08805E-04	5.58842E-05	-3.06081E-05	0.00000E+00
1931	1.17285E-04	4.36062E-05	-8.31141E-05	5.76030E-05	-2.36757E-05	0.00000E+00
1932	1.19648E-04	4.36902E-05	-5.67159E-05	5.90191E-05	-1.62707E-05	0.00000E+00
1933	1.22162E-04	4.30285E-05	-2.97364E-05	5.94395E-05	-8.94216E-06	0.00000E+00
1934	1.24063E-04	4.31566E-05	-3.01635E-06	5.85345E-05	-3.56371E-06	-3.81109E-06
1935	1.25737E-04	6.43040E-05	-2.20192E-06	-7.31832E-06	5.81454E-05	0.00000E+00
1936	1.26554E-04	8.56293E-05	-3.51465E-06	-1.34670E-05	5.86592E-05	0.00000E+00
1937	1.28065E-04	1.07266E-04	-1.19463E-06	-1.95637E-05	5.95597E-05	0.00000E+00
1938	1.27806E-04	1.29190E-04	-4.32921E-06	-2.37737E-05	6.13142E-05	0.00000E+00
1939	1.68940E-04	7.56174E-05	-2.03495E-04	-1.63699E-06	-5.88661E-05	0.00000E+00
1940	1.48544E-04	7.21012E-05	-1.95722E-04	-1.36394E-06	-5.58410E-05	0.00000E+00
1941	1.48932E-04	7.36409E-05	-1.85653E-04	-1.97415E-07	-5.25338E-05	0.00000E+00
1942	1.47629E-04	6.93661E-05	-2.04082E-04	-2.58518E-06	-5.87660E-05	0.00000E+00
1943	1.48791E-04	7.61386E-05	-1.74131E-04	1.00173E-06	-4.88659E-05	0.00000E+00
1944	1.48097E-04	7.72727E-05	-1.60873E-04	2.25921E-06	-4.48296E-05	0.00000E+00
1945	1.46824E-04	7.95032E-05	-1.46770E-04	3.57289E-06	-4.04107E-05	0.00000E+00
1946	1.44948E-04	8.02511E-05	-1.30840E-04	4.92190E-06	-3.55979E-05	0.00000E+00
1947	1.42461E-04	8.21579E-05	-1.14774E-04	6.25761E-06	-3.04002E-05	0.00000E+00
1948	1.39386E-04	8.25645E-05	-9.66831E-05	7.47257E-06	-2.48649E-05	0.00000E+00
1949	1.35815E-04	8.40746E-05	-7.93031E-05	8.33832E-06	-1.91140E-05	0.00000E+00
1950	1.36802E-04	9.97474E-05	-6.05949E-05	1.03570E-05	-1.32812E-05	0.00000E+00
1951	1.31983E-04	8.42044E-05	-5.95476E-05	8.40762E-06	-1.33890E-05	0.00000E+00
1952	-4.19760E-06	2.59673E-06	5.39326E-08	2.38421E-06	-6.94670E-05	0.00000E+00
1953	-6.42555E-06	2.75696E-05	4.76420E-07	-8.76341E-07	-6.81007E-05	0.00000E+00
1954	1.93179E-05	8.39051E-06	-6.55657E-05	-2.72548E-05	-1.63421E-05	0.00000E+00
1955	1.33017E-05	3.41377E-05	-6.60704E-05	-2.52319E-05	-1.65776E-05	0.00000E+00
1956	-6.96210E-06	5.15575E-05	8.23945E-08	-6.61387E-06	-6.40191E-05	0.00000E+00
1957	7.39085E-06	5.83470E-05	-6.64497E-05	-2.13056E-05	-1.61832E-05	0.00000E+00
1958	-1.11020E-05	7.40269E-05	2.23643E-07	-1.26594E-05	-6.05835E-05	0.00000E+00
1959	-1.23323E-05	9.56856E-05	-9.82932E-08	-6.07551E-05	-1.50367E-06	-1.57982E-05
1960	-7.83875E-06	9.54902E-05	-2.80378E-05	-6.18736E-05	-5.81493E-06	0.00000E+00
1961	-1.83169E-06	9.45699E-05	-5.57566E-05	-6.01171E-05	-1.26130E-05	0.00000E+00
1962	1.74695E-05	5.97636E-05	-9.71538E-05	-2.25886E-05	-2.17814E-05	0.00000E+00
1963	3.23416E-06	9.41209E-05	-8.23447E-05	-5.71315E-05	-1.90127E-05	0.00000E+00
1964	2.78925E-05	6.05277E-05	-1.27137E-04	-2.29783E-05	-2.80132E-05	0.00000E+00
1965	9.05070E-06	9.28018E-05	-1.07470E-04	-5.38564E-05	-2.53532E-05	0.00000E+00
1966	3.83152E-05	6.16285E-05	-1.55425E-04	-2.27627E-05	-3.44819E-05	0.00000E+00
1967	1.42987E-05	9.19178E-05	-1.31113E-04	-5.05594E-05	-3.15237E-05	0.00000E+00
1968	4.85443E-05	6.28164E-05	-1.82304E-04	-2.22330E-05	-4.09544E-05	0.00000E+00
1969	1.99054E-05	9.03689E-05	-1.53229E-04	-4.71717E-05	-3.75575E-05	0.00000E+00
1970	5.84809E-05	6.37743E-05	-2.07303E-04	-2.15105E-05	-4.72251E-05	0.00000E+00
1971	2.50643E-05	8.89737E-05	-1.73778E-04	-4.35625E-05	-4.33285E-05	0.00000E+00
1972	6.80513E-05	6.52161E-05	-2.30466E-04	-2.06591E-05	-5.32206E-05	0.00000E+00
1973	3.04360E-05	8.72259E-05	-1.92619E-04	-3.96662E-05	-4.88333E-05	0.00000E+00
1974	7.72131E-05	6.61594E-05	-2.51425E-04	-1.97129E-05	-5.88366E-05	0.00000E+00
1975	3.54136E-05	8.53425E-05	-2.09642E-04	-3.54955E-05	-5.39470E-05	0.00000E+00

1976	8.59227E-05	6.77586E-05	-2.70212E-04	-1.86900E-05	-6.40548E-05	0.00000E+00
1977	4.05510E-05	8.33413E-05	-2.24708E-04	-3.10508E-05	-5.86539E-05	0.00000E+00
1978	9.41534E-05	6.87617E-05	-2.86415E-04	-1.75987E-05	-6.88069E-05	0.00000E+00
1979	4.53159E-05	8.10412E-05	-2.37710E-04	-2.63511E-05	-6.28347E-05	0.00000E+00
1980	1.01868E-04	7.04568E-05	-3.00161E-04	-1.64336E-05	-7.30920E-05	0.00000E+00
1981	5.02161E-05	7.87282E-05	-2.48522E-04	-2.13837E-05	-6.64691E-05	0.00000E+00
1982	1.09032E-04	7.15602E-05	-3.10927E-04	-1.51599E-05	-7.68559E-05	0.00000E+00
1983	5.47576E-05	7.60957E-05	-2.57024E-04	-1.61288E-05	-6.94489E-05	0.00000E+00
1984	1.15571E-04	7.33210E-05	-3.18950E-04	-1.36975E-05	-8.01214E-05	0.00000E+00
1985	5.94030E-05	7.34162E-05	-2.63081E-04	-1.05842E-05	-7.17811E-05	0.00000E+00
1986	6.37422E-05	7.05296E-05	-2.66544E-04	-4.58113E-06	-7.33998E-05	0.00000E+00
1987	6.81619E-05	6.74803E-05	-2.67146E-04	1.87486E-06	-7.41921E-05	-1.05409E-05
1988	9.48373E-05	6.81182E-05	-2.67087E-04	-1.04610E-05	1.59817E-06	0.00000E+00
1989	7.27327E-05	6.46162E-05	-2.64767E-04	8.58680E-06	-7.39883E-05	0.00000E+00
1990	1.21806E-04	6.86670E-05	-2.67147E-04	-1.02008E-05	1.52498E-06	0.00000E+00
1991	7.73337E-05	6.15121E-05	-2.59484E-04	1.45320E-05	-7.29549E-05	0.00000E+00
1992	8.16869E-05	5.91874E-05	-2.51680E-04	1.98175E-05	-7.11878E-05	0.00000E+00
1993	1.48738E-04	6.92259E-05	-2.68212E-04	-9.91676E-06	1.58303E-06	0.00000E+00
1994	1.44569E-04	6.82828E-05	-3.18337E-04	-1.62582E-05	-7.99630E-05	0.00000E+00
1995	1.75737E-04	6.98010E-05	-2.68868E-04	-9.74871E-06	1.58721E-06	0.00000E+00
1996	1.73576E-04	6.37158E-05	-3.17753E-04	-1.73549E-05	-8.01446E-05	0.00000E+00
1997	8.60377E-05	5.62038E-05	-2.41578E-04	2.47397E-05	-6.87255E-05	0.00000E+00
1998	9.01200E-05	5.44388E-05	-2.29326E-04	2.92893E-05	-6.55641E-05	0.00000E+00
1999	9.41811E-05	5.16586E-05	-2.15106E-04	3.34759E-05	-6.17921E-05	0.00000E+00
2000	9.79689E-05	5.04260E-05	-1.99068E-04	3.72926E-05	-5.74261E-05	0.00000E+00
2001	1.01704E-04	4.79476E-05	-1.81399E-04	4.07264E-05	-5.25733E-05	0.00000E+00
2002	1.05144E-04	4.72114E-05	-1.62257E-04	4.37583E-05	-4.72437E-05	0.00000E+00
2003	1.08497E-04	4.51431E-05	-1.41848E-04	4.63901E-05	-4.15619E-05	0.00000E+00
2004	1.11520E-04	4.48391E-05	-1.20324E-04	4.86271E-05	-3.55232E-05	0.00000E+00
2005	1.14450E-04	4.32961E-05	-9.78887E-05	5.04996E-05	-2.92470E-05	0.00000E+00
2006	1.17019E-04	4.32952E-05	-7.46606E-05	5.20619E-05	-2.26450E-05	0.00000E+00
2007	1.19630E-04	4.23611E-05	-5.08161E-05	5.31937E-05	-1.58216E-05	0.00000E+00
2008	1.21841E-04	4.24774E-05	-2.65453E-05	5.39772E-05	-8.19184E-06	0.00000E+00
2009	1.24374E-04	4.21607E-05	-2.03715E-06	5.31612E-05	-2.98712E-06	-5.10105E-06
2010	1.25259E-04	6.11608E-05	-2.70347E-06	-9.09241E-06	5.21781E-05	0.00000E+00
2011	1.26671E-04	8.00729E-05	-1.39508E-06	-1.60017E-05	5.25831E-05	0.00000E+00
2012	1.27073E-04	9.92554E-05	-3.51439E-06	-2.32173E-05	5.32951E-05	0.00000E+00
2013	1.27956E-04	1.18621E-04	-1.18749E-06	-2.73239E-05	5.35111E-05	0.00000E+00
2014	1.68349E-04	7.12529E-05	-2.10096E-04	-3.29449E-06	-6.13931E-05	0.00000E+00
2015	1.46129E-04	6.74533E-05	-2.10441E-04	-4.06322E-06	-6.12423E-05	0.00000E+00
2016	1.28272E-04	6.46069E-05	-1.95953E-04	-3.91919E-06	-5.60681E-05	0.00000E+00
2017	1.29859E-04	6.59199E-05	-1.85945E-04	-3.05031E-06	-5.27897E-05	0.00000E+00
2018	1.26295E-04	6.42776E-05	-2.04297E-04	-4.80904E-06	-5.89575E-05	0.00000E+00
2019	1.31046E-04	6.60407E-05	-1.74198E-04	-2.14874E-06	-4.91526E-05	0.00000E+00
2020	1.23893E-04	6.29508E-05	-2.10808E-04	-5.87523E-06	-6.13937E-05	0.00000E+00
2021	1.31814E-04	6.73299E-05	-1.61272E-04	-1.20121E-06	-4.51382E-05	0.00000E+00
2022	1.32140E-04	6.72668E-05	-1.46639E-04	-2.10273E-07	-4.07410E-05	0.00000E+00
2023	1.32009E-04	6.84929E-05	-1.31385E-04	8.11483E-07	-3.59409E-05	0.00000E+00
2024	1.31409E-04	6.82867E-05	-1.14397E-04	1.83528E-06	-3.07519E-05	0.00000E+00
2025	1.30350E-04	6.93876E-05	-9.74275E-05	2.79490E-06	-2.52040E-05	0.00000E+00
2026	1.28880E-04	6.90990E-05	-7.86166E-05	3.54171E-06	-1.94184E-05	0.00000E+00
2027	1.27148E-04	6.99840E-05	-6.05519E-05	3.74901E-06	-1.36273E-05	0.00000E+00
2028	1.31258E-04	1.00131E-04	-4.00074E-05	8.58037E-06	-7.73588E-06	0.00000E+00
2029	1.28400E-04	8.52333E-05	-4.15383E-05	6.85888E-06	-8.07285E-06	0.00000E+00
2030	1.25510E-04	6.96939E-05	-4.04697E-05	2.77712E-06	-8.29184E-06	0.00000E+00
2031	-5.18288E-06	3.42575E-06	2.36061E-07	-3.15056E-06	-6.70523E-05	0.00000E+00
2032	-4.24760E-06	2.73289E-05	-6.15856E-07	-1.29427E-06	-6.45023E-05	0.00000E+00
2033	-8.38273E-06	4.95005E-05	4.34904E-07	-7.03628E-06	-5.83378E-05	0.00000E+00
2034	3.33459E-05	1.17515E-05	-9.68180E-05	-2.94549E-05	-2.19055E-05	0.00000E+00
2035	2.53824E-05	3.55255E-05	-9.70599E-05	-2.74996E-05	-2.19856E-05	0.00000E+00
2036	-9.19656E-06	6.95930E-05	-3.71785E-09	-1.22776E-05	-5.55180E-05	0.00000E+00
2037	-1.21958E-05	8.97338E-05	-1.96795E-07	-5.63482E-05	-8.91983E-07	-1.53732E-05

2038	-6.40512E-06	8.89633E-05	-2.60860E-05	-5.70623E-05	-5.11193E-06	0.00000E+00
2039	-1.52707E-06	8.87721E-05	-5.14774E-05	-5.50755E-05	-1.13836E-05	0.00000E+00
2040	4.26151E-06	8.75107E-05	-7.57678E-05	-5.22003E-05	-1.75050E-05	0.00000E+00
2041	3.80322E-05	3.78289E-05	-1.26825E-04	-2.81849E-05	-2.80427E-05	0.00000E+00
2042	9.46236E-06	8.70362E-05	-9.86629E-05	-4.90232E-05	-2.32982E-05	0.00000E+00
2043	5.07765E-05	4.00346E-05	-1.55177E-04	-2.80730E-05	-3.43885E-05	0.00000E+00
2044	1.51460E-05	8.54918E-05	-1.20132E-04	-4.58558E-05	-2.92672E-05	0.00000E+00
2045	6.33336E-05	4.23811E-05	-1.81995E-04	-2.74588E-05	-4.07599E-05	0.00000E+00
2046	2.03746E-05	8.46010E-05	-1.40155E-04	-4.26536E-05	-3.46515E-05	0.00000E+00
2047	7.55315E-05	4.51821E-05	-2.07011E-04	-2.65403E-05	-4.69720E-05	0.00000E+00
2048	2.58513E-05	8.29307E-05	-1.58695E-04	-3.92270E-05	-4.01257E-05	0.00000E+00
2049	8.72637E-05	4.77405E-05	-2.30107E-04	-2.54211E-05	-5.29114E-05	0.00000E+00
2050	3.09656E-05	8.15741E-05	-1.75623E-04	-3.55894E-05	-4.50799E-05	0.00000E+00
2051	9.84547E-05	5.10160E-05	-2.51121E-04	-2.41581E-05	-5.84999E-05	0.00000E+00
2052	3.62295E-05	7.97433E-05	-1.90862E-04	-3.17136E-05	-4.99159E-05	0.00000E+00
2053	1.09050E-04	5.38747E-05	-2.69779E-04	-2.27840E-05	-6.36892E-05	0.00000E+00
2054	4.11662E-05	7.79557E-05	-2.04291E-04	-2.76238E-05	-5.41904E-05	0.00000E+00
2055	1.19003E-04	5.75443E-05	-2.86118E-04	-2.13164E-05	-6.84411E-05	0.00000E+00
2056	4.62189E-05	7.59150E-05	-2.15829E-04	-2.33168E-05	-5.81676E-05	0.00000E+00
2057	1.28274E-04	6.07461E-05	-2.99642E-04	-1.97565E-05	-7.27359E-05	0.00000E+00
2058	5.09611E-05	7.37609E-05	-2.25371E-04	-1.88075E-05	-6.15329E-05	0.00000E+00
2059	1.36816E-04	6.47678E-05	-3.10647E-04	-1.80824E-05	-7.65649E-05	0.00000E+00
2060	5.57958E-05	7.14542E-05	-2.32828E-04	-1.40449E-05	-6.44128E-05	0.00000E+00
2061	6.03468E-05	6.90041E-05	-2.38062E-04	-8.98349E-06	-6.66405E-05	0.00000E+00
2062	6.49594E-05	6.63880E-05	-2.40940E-04	-3.65968E-06	-6.82288E-05	0.00000E+00
2063	6.93446E-05	6.37323E-05	-2.41347E-04	2.03114E-06	-6.89111E-05	-1.05082E-05
2064	9.43886E-05	6.43398E-05	-2.41157E-04	-1.03546E-05	1.70436E-06	0.00000E+00
2065	7.38736E-05	6.09158E-05	-2.38958E-04	8.13492E-06	-6.87379E-05	0.00000E+00
2066	1.19356E-04	6.49878E-05	-2.41471E-04	-1.01882E-05	1.79768E-06	0.00000E+00
2067	7.81979E-05	5.86003E-05	-2.34062E-04	1.33280E-05	-6.76663E-05	0.00000E+00
2068	1.44362E-04	6.56586E-05	-2.41775E-04	-9.83864E-06	1.85398E-06	0.00000E+00
2069	8.25169E-05	5.58344E-05	-2.26905E-04	1.81194E-05	-6.57860E-05	0.00000E+00
2070	8.66100E-05	5.40337E-05	-2.17675E-04	2.25190E-05	-6.34134E-05	0.00000E+00
2071	1.69933E-04	6.63444E-05	-2.43229E-04	-9.68869E-06	1.88259E-06	0.00000E+00
2072	1.64579E-04	5.70994E-05	-3.09670E-04	-1.93386E-05	-7.67039E-05	0.00000E+00
2073	9.06812E-05	5.14200E-05	-2.06537E-04	2.65750E-05	-6.03164E-05	0.00000E+00
2074	9.45118E-05	5.01173E-05	-1.93643E-04	3.03125E-05	-5.67929E-05	0.00000E+00
2075	9.82945E-05	4.77351E-05	-1.79130E-04	3.37253E-05	-5.26315E-05	0.00000E+00
2076	1.01823E-04	4.68943E-05	-1.63155E-04	3.67900E-05	-4.81607E-05	0.00000E+00
2077	1.05266E-04	4.48331E-05	-1.45869E-04	3.95086E-05	-4.31141E-05	0.00000E+00
2078	1.08434E-04	4.44077E-05	-1.27435E-04	4.18645E-05	-3.79033E-05	0.00000E+00
2079	1.11492E-04	4.27613E-05	-1.08009E-04	4.38741E-05	-3.21791E-05	0.00000E+00
2080	1.14252E-04	4.26595E-05	-8.77532E-05	4.55477E-05	-2.64205E-05	0.00000E+00
2081	1.16952E-04	4.15196E-05	-6.68183E-05	4.68566E-05	-2.01636E-05	0.00000E+00
2082	1.19368E-04	4.16025E-05	-4.53901E-05	4.78750E-05	-1.39636E-05	0.00000E+00
2083	1.21897E-04	4.10410E-05	-2.36362E-05	4.81562E-05	-6.81824E-06	0.00000E+00
2084	1.24227E-04	4.10498E-05	-2.16232E-06	4.70602E-05	-1.95508E-06	-5.33910E-06
2085	1.25419E-04	5.77090E-05	-1.52564E-06	-8.59483E-06	4.62803E-05	0.00000E+00
2086	1.26109E-04	7.43112E-05	-2.63286E-06	-1.41716E-05	4.66921E-05	0.00000E+00
2087	1.27006E-04	9.11848E-05	-9.16431E-07	-1.99041E-05	4.74156E-05	0.00000E+00
2088	1.27597E-04	1.08219E-04	-3.07879E-06	-2.29650E-05	4.65475E-05	0.00000E+00
2089	1.66772E-04	6.76542E-05	-2.14317E-04	-5.71964E-06	-6.33758E-05	0.00000E+00
2090	1.43857E-04	6.44301E-05	-2.15163E-04	-6.22539E-06	-6.30848E-05	0.00000E+00
2091	1.20931E-04	6.23263E-05	-2.15392E-04	-7.43254E-06	-6.31767E-05	0.00000E+00
2092	1.07854E-04	5.82203E-05	-1.96015E-04	-6.41451E-06	-5.66147E-05	0.00000E+00
2093	1.10622E-04	5.71425E-05	-1.85897E-04	-5.85216E-06	-5.34507E-05	0.00000E+00
2094	1.04831E-04	5.83379E-05	-2.04319E-04	-6.96966E-06	-5.94305E-05	0.00000E+00
2095	1.13119E-04	5.72418E-05	-1.74337E-04	-5.25949E-06	-4.98624E-05	0.00000E+00
2096	1.01541E-04	5.93442E-05	-2.10862E-04	-7.60050E-06	-6.17354E-05	0.00000E+00
2097	1.15334E-04	5.61721E-05	-1.61128E-04	-4.62960E-06	-4.59257E-05	0.00000E+00
2098	9.79184E-05	5.97993E-05	-2.15312E-04	-8.54543E-06	-6.34183E-05	0.00000E+00
2099	1.17249E-04	5.64575E-05	-1.46885E-04	-3.96631E-06	-4.15541E-05	0.00000E+00

2100	1.18854E-04	5.54454E-05	-1.31117E-04	-3.27371E-06	-3.68161E-05	0.00000E+00
2101	1.20135E-04	5.58678E-05	-1.14779E-04	-2.56825E-06	-3.16476E-05	0.00000E+00
2102	1.21098E-04	5.49740E-05	-9.70055E-05	-1.88438E-06	-2.61429E-05	0.00000E+00
2103	1.21754E-04	5.54541E-05	-7.91633E-05	-1.30058E-06	-2.03078E-05	0.00000E+00
2104	1.22178E-04	5.47599E-05	-5.99448E-05	-9.99996E-07	-1.44227E-05	0.00000E+00
2105	1.22552E-04	5.51430E-05	-4.11601E-05	-1.43065E-06	-8.82340E-06	0.00000E+00
2106	1.27309E-04	1.01055E-04	-2.23105E-05	3.31721E-06	-3.05337E-06	0.00000E+00
2107	1.26076E-04	8.51783E-05	-2.05715E-05	2.17576E-06	-4.06124E-06	0.00000E+00
2108	1.24725E-04	7.01520E-05	-2.18362E-05	-5.12666E-07	-4.44401E-06	0.00000E+00
2109	1.23346E-04	5.47999E-05	-2.10903E-05	-3.07623E-06	-4.73767E-06	0.00000E+00
2110	0.00000E+00	0.00000E+00	0.00000E+00	-7.40541E-05	-1.35563E-05	-9.03429E-06
2111	-5.99522E-06	2.70588E-05	9.58240E-07	-6.25720E-05	-9.13944E-06	-1.12330E-05
2112	-6.69527E-06	4.60848E-05	-2.62772E-07	-5.23208E-05	-5.79633E-06	-1.13406E-05
2113	-9.50180E-06	6.52084E-05	-4.75449E-08	-5.18023E-05	-6.04571E-06	-1.28944E-05
2114	4.81934E-05	1.46244E-05	-1.26262E-04	-3.03781E-05	-2.80388E-05	0.00000E+00
2115	-1.08273E-05	8.35487E-05	-3.20502E-07	-5.15263E-05	-3.11125E-06	-1.35930E-05
2116	-6.00864E-06	8.36462E-05	-2.40580E-05	-5.26493E-05	-6.55538E-06	-1.26121E-05
2117	-4.68657E-07	8.24007E-05	-4.75492E-05	-5.05192E-05	-1.09283E-05	-1.37414E-05
2118	4.71386E-06	8.22182E-05	-6.96632E-05	-4.77198E-05	-1.61415E-05	-1.40828E-05
2119	1.03083E-05	8.05599E-05	-9.06663E-05	-4.45344E-05	-2.12541E-05	-1.42638E-05
2120	6.32416E-05	1.81152E-05	-1.54804E-04	-3.03050E-05	-3.44209E-05	0.00000E+00
2121	1.56188E-05	8.01245E-05	-1.09966E-04	-4.15107E-05	-2.65601E-05	-1.41095E-05
2122	7.81070E-05	2.19675E-05	-1.81402E-04	-2.96624E-05	-4.08096E-05	0.00000E+00
2123	2.11012E-05	7.84488E-05	-1.28228E-04	-3.85309E-05	-3.15488E-05	-1.39679E-05
2124	9.25564E-05	2.58914E-05	-2.06499E-04	-2.86650E-05	-4.70322E-05	0.00000E+00
2125	2.63523E-05	7.75823E-05	-1.44796E-04	-3.52107E-05	-3.64725E-05	-1.36902E-05
2126	1.06440E-04	3.05485E-05	-2.29497E-04	-2.74348E-05	-5.29767E-05	0.00000E+00
2127	3.16702E-05	7.58342E-05	-1.60079E-04	-3.18712E-05	-4.10246E-05	-1.34174E-05
2128	1.19657E-04	3.50118E-05	-2.50458E-04	-2.60396E-05	-5.85718E-05	0.00000E+00
2129	3.67786E-05	7.45372E-05	-1.73590E-04	-2.82116E-05	-4.53879E-05	-1.30905E-05
2130	1.32133E-04	4.03734E-05	-2.69161E-04	-2.45188E-05	-6.37660E-05	0.00000E+00
2131	4.19141E-05	7.26711E-05	-1.85583E-04	-2.44826E-05	-4.93286E-05	-1.27668E-05
2132	1.43810E-04	4.54357E-05	-2.85302E-04	-2.28940E-05	-6.85282E-05	0.00000E+00
2133	4.68517E-05	7.09834E-05	-1.95697E-04	-2.04754E-05	-5.30032E-05	-1.24237E-05
2134	1.54641E-04	5.14336E-05	-2.99022E-04	-2.11707E-05	-7.28385E-05	0.00000E+00
2135	5.18039E-05	6.89555E-05	-2.04081E-04	-1.64046E-05	-5.62078E-05	-1.20853E-05
2136	5.65696E-05	6.69381E-05	-2.10487E-04	-1.20312E-05	-5.90800E-05	-1.17207E-05
2137	6.13438E-05	6.46757E-05	-2.14927E-04	-7.47768E-06	-6.13832E-05	-1.12976E-05
2138	6.59405E-05	6.23876E-05	-2.17211E-04	-2.70523E-06	-6.30754E-05	-1.06784E-05
2139	7.05062E-05	5.98756E-05	-2.17320E-04	2.27867E-06	-6.37103E-05	-9.93239E-06
2140	7.48136E-05	5.75846E-05	-2.15073E-04	7.52226E-06	-6.33812E-05	-8.98452E-06
2141	9.37345E-05	6.06742E-05	-2.17490E-04	1.90424E-06	-6.39896E-05	-9.93521E-06
2142	1.17098E-04	6.13039E-05	-2.17539E-04	1.94783E-06	-6.39495E-05	-9.96014E-06
2143	7.90641E-05	5.50188E-05	-2.10593E-04	1.20894E-05	-6.20087E-05	-8.36718E-06
2144	1.40370E-04	6.21148E-05	-2.17704E-04	2.09758E-06	-6.38467E-05	-9.98061E-06
2145	8.31522E-05	5.31981E-05	-2.04168E-04	1.64239E-05	-5.99973E-05	-7.90080E-06
2146	1.63600E-04	6.28390E-05	-2.17770E-04	1.96427E-06	-6.42478E-05	-9.98419E-06
2147	8.71972E-05	5.07537E-05	-1.95780E-04	2.03626E-05	-5.74201E-05	-7.47876E-06
2148	9.10694E-05	4.94140E-05	-1.85780E-04	2.39968E-05	-5.44340E-05	-7.03845E-06
2149	9.48708E-05	4.71459E-05	-1.74104E-04	2.73292E-05	-5.09617E-05	-6.57756E-06
2150	9.84809E-05	4.62334E-05	-1.61084E-04	3.03987E-05	-4.71077E-05	-6.08012E-06
2151	1.01988E-04	4.42158E-05	-1.46639E-04	3.31043E-05	-4.28022E-05	-5.55966E-06
2152	1.05283E-04	4.36952E-05	-1.31161E-04	3.55553E-05	-3.81439E-05	-5.00914E-06
2153	1.08446E-04	4.20014E-05	-1.14511E-04	3.76232E-05	-3.30799E-05	-4.44519E-06
2154	1.11381E-04	4.18094E-05	-9.71484E-05	3.94353E-05	-2.77183E-05	-3.89588E-06
2155	1.14182E-04	4.05151E-05	-7.88685E-05	4.08941E-05	-2.20384E-05	-3.39838E-06
2156	1.16761E-04	4.05360E-05	-6.01771E-05	4.21229E-05	-1.62543E-05	-3.11114E-06
2157	1.19295E-04	3.97417E-05	-4.08207E-05	4.29131E-05	-1.05701E-05	-3.23187E-06
2158	1.21716E-04	3.98326E-05	-2.14397E-05	4.33626E-05	-5.51134E-06	-4.15784E-06
2159	1.24302E-04	3.96238E-05	-1.68923E-06	4.29276E-05	-2.53847E-06	-4.85088E-06
2160	1.25150E-04	5.49262E-05	-2.16520E-06	4.20945E-05	-3.04463E-06	-5.70764E-06
2161	1.26192E-04	7.01564E-05	-1.21832E-06	4.21871E-05	-2.84118E-06	-7.16253E-06

2162	1.26847E-04	8.54565E-05	-2.34395E-06	4.30508E-05	-2.21111E-06	-8.41329E-06
2163	1.27452E-04	1.01320E-04	0.00000E+00	4.36298E-05	-8.66669E-07	-9.31642E-06
2164	1.48318E-04	5.88650E-05	-1.23894E-04	-1.09531E-06	-4.10485E-05	0.00000E+00
2165	1.48119E-04	6.13266E-05	-1.17368E-04	-3.06976E-07	-3.84010E-05	0.00000E+00
2166	1.47521E-04	6.28583E-05	-1.09860E-04	5.10836E-07	-3.55452E-05	0.00000E+00
2167	1.46496E-04	6.50215E-05	-1.01598E-04	1.39682E-06	-3.24759E-05	0.00000E+00
2168	1.45009E-04	6.61878E-05	-9.22997E-05	2.34871E-06	-2.91741E-05	0.00000E+00
2169	1.43029E-04	6.80191E-05	-8.26684E-05	3.34190E-06	-2.56237E-05	0.00000E+00
2170	1.40547E-04	6.88417E-05	-7.18843E-05	4.32653E-06	-2.18201E-05	0.00000E+00
2171	1.37589E-04	7.02979E-05	-6.12625E-05	5.20476E-06	-1.77865E-05	0.00000E+00
2172	1.34249E-04	7.08119E-05	-4.92904E-05	5.78462E-06	-1.35926E-05	0.00000E+00
2173	-4.62428E-06	1.48234E-06	1.81026E-06	1.65555E-06	-6.13190E-05	0.00000E+00
2174	5.60867E-06	8.74698E-06	-2.44793E-05	-1.82109E-05	-9.47241E-06	0.00000E+00
2175	-3.58529E-06	2.29929E-05	6.45568E-07	-4.95625E-06	-5.72048E-05	0.00000E+00
2176	2.41355E-06	2.56312E-05	-2.57065E-05	-1.85439E-05	-9.56675E-06	0.00000E+00
2177	-7.27532E-06	4.28674E-05	9.14219E-07	-8.51652E-06	-5.10148E-05	0.00000E+00
2178	-8.96715E-07	4.70865E-05	-2.41254E-05	-1.58641E-05	-8.33243E-06	0.00000E+00
2179	-7.89442E-06	6.05679E-05	1.21647E-07	-1.23748E-05	-4.76797E-05	0.00000E+00
2180	-3.36133E-06	6.46193E-05	-2.44347E-05	-1.36966E-05	-7.46649E-06	0.00000E+00
2181	-1.07116E-05	7.78595E-05	2.02422E-07	-4.79484E-05	-2.01847E-06	-1.49202E-05
2182	-4.73850E-06	7.70663E-05	-2.17814E-05	-4.83961E-05	-5.69568E-06	0.00000E+00
2183	3.25157E-06	6.53246E-05	-4.74792E-05	-1.51374E-05	-1.09350E-05	0.00000E+00
2184	-1.79589E-08	7.70836E-05	-4.34288E-05	-4.65965E-05	-1.11221E-05	0.00000E+00
2185	1.04814E-05	6.43177E-05	-7.01022E-05	-1.58877E-05	-1.57935E-05	0.00000E+00
2186	5.66920E-06	7.57035E-05	-6.39013E-05	-4.36466E-05	-1.58131E-05	0.00000E+00
2187	1.78065E-05	6.52181E-05	-9.04307E-05	-1.60138E-05	-2.07011E-05	0.00000E+00
2188	1.07872E-05	7.55344E-05	-8.29514E-05	-4.05207E-05	-2.08958E-05	0.00000E+00
2189	2.51299E-05	6.45414E-05	-1.10306E-04	-1.59015E-05	-2.58757E-05	0.00000E+00
2190	1.63580E-05	7.39166E-05	-1.00616E-04	-3.75574E-05	-2.54948E-05	0.00000E+00
2191	3.23434E-05	6.50470E-05	-1.28133E-04	-1.56634E-05	-3.07897E-05	0.00000E+00
2192	2.15777E-05	7.34278E-05	-1.16955E-04	-3.46487E-05	-3.04082E-05	0.00000E+00
2193	3.94319E-05	6.44832E-05	-1.45076E-04	-1.53345E-05	-3.56479E-05	0.00000E+00
2194	2.70108E-05	7.17526E-05	-1.31954E-04	-3.16012E-05	-3.47624E-05	0.00000E+00
2195	4.63427E-05	6.46539E-05	-1.60085E-04	-1.49562E-05	-4.01603E-05	0.00000E+00
2196	3.21627E-05	7.08764E-05	-1.45536E-04	-2.84196E-05	-3.91382E-05	0.00000E+00
2197	5.30758E-05	6.41369E-05	-1.73846E-04	-1.45426E-05	-4.45002E-05	0.00000E+00
2198	3.74308E-05	6.91420E-05	-1.57644E-04	-2.50770E-05	-4.29692E-05	0.00000E+00
2199	5.96021E-05	6.40148E-05	-1.85658E-04	-1.41119E-05	-4.84620E-05	0.00000E+00
2200	4.24531E-05	6.78871E-05	-1.68201E-04	-2.15946E-05	-4.66507E-05	0.00000E+00
2201	6.59298E-05	6.34992E-05	-1.95951E-04	-1.36719E-05	-5.22045E-05	0.00000E+00
2202	4.75521E-05	6.60581E-05	-1.77147E-04	-1.79687E-05	-4.97640E-05	0.00000E+00
2203	7.20420E-05	6.31218E-05	-2.04212E-04	-1.32253E-05	-5.55526E-05	0.00000E+00
2204	5.24244E-05	6.44658E-05	-1.84418E-04	-1.42100E-05	-5.25715E-05	0.00000E+00
2205	7.79467E-05	6.25715E-05	-2.10724E-04	-1.27482E-05	-5.86314E-05	0.00000E+00
2206	5.73631E-05	6.24938E-05	-1.89941E-04	-1.02566E-05	-5.48118E-05	0.00000E+00
2207	8.36086E-05	6.20229E-05	-2.15136E-04	-1.21540E-05	-6.12020E-05	0.00000E+00
2208	6.20821E-05	6.06232E-05	-1.93625E-04	-6.09940E-06	-5.66260E-05	0.00000E+00
2209	8.89451E-05	6.13050E-05	-2.17498E-04	-1.12190E-05	-6.31579E-05	0.00000E+00
2210	6.68483E-05	5.84823E-05	-1.95413E-04	-1.93268E-06	-5.78235E-05	0.00000E+00
2211	7.14077E-05	5.64180E-05	-1.95359E-04	2.29715E-06	-5.83989E-05	-9.75403E-06
2212	9.30878E-05	5.71174E-05	-1.95252E-04	-9.72332E-06	1.94070E-06	0.00000E+00
2213	7.56585E-05	5.41547E-05	-1.93189E-04	6.96344E-06	-5.80266E-05	0.00000E+00
2214	7.97076E-05	5.23646E-05	-1.89135E-04	1.09907E-05	-5.70232E-05	0.00000E+00
2215	1.14853E-04	5.78263E-05	-1.95560E-04	-9.61221E-06	1.99441E-06	0.00000E+00
2216	1.11882E-04	6.04297E-05	-2.17539E-04	-1.25496E-05	-6.29574E-05	0.00000E+00
2217	1.36768E-04	5.85539E-05	-1.95856E-04	-9.68792E-06	2.05862E-06	0.00000E+00
2218	1.34743E-04	5.95612E-05	-2.17316E-04	-1.39513E-05	-6.28840E-05	0.00000E+00
2219	8.37630E-05	5.01375E-05	-1.83292E-04	1.48415E-05	-5.55463E-05	0.00000E+00
2220	1.57603E-04	5.93036E-05	-1.97158E-04	-9.67700E-06	2.04483E-06	0.00000E+00
2221	1.57592E-04	5.81814E-05	-2.16475E-04	-1.45388E-05	-6.31994E-05	0.00000E+00
2222	8.76191E-05	4.87551E-05	-1.75778E-04	1.83777E-05	-5.34168E-05	0.00000E+00
2223	9.14622E-05	4.66517E-05	-1.66725E-04	2.16156E-05	-5.08954E-05	0.00000E+00

2224	9.51010E-05	4.56725E-05	-1.56268E-04	2.45902E-05	-4.77843E-05	0.00000E+00
2225	9.86882E-05	4.37612E-05	-1.44517E-04	2.73007E-05	-4.43566E-05	0.00000E+00
2226	1.02058E-04	4.31475E-05	-1.31610E-04	2.97256E-05	-4.03986E-05	0.00000E+00
2227	1.05344E-04	4.14965E-05	-1.17663E-04	3.18716E-05	-3.62493E-05	0.00000E+00
2228	1.08400E-04	4.12008E-05	-1.02820E-04	3.37246E-05	-3.16170E-05	0.00000E+00
2229	1.11357E-04	3.98785E-05	-8.71973E-05	3.53063E-05	-2.69251E-05	0.00000E+00
2230	1.14084E-04	3.98199E-05	-7.09276E-05	3.66353E-05	-2.18140E-05	0.00000E+00
2231	1.16755E-04	3.88987E-05	-5.40952E-05	3.77470E-05	-1.67762E-05	0.00000E+00
2232	1.19231E-04	3.89505E-05	-3.67958E-05	3.86852E-05	-1.14862E-05	0.00000E+00
2233	1.21851E-04	3.84820E-05	-1.91050E-05	3.89968E-05	-6.13407E-06	0.00000E+00
2234	1.24171E-04	3.85502E-05	-1.55046E-06	3.85017E-05	-2.23805E-06	-4.87689E-06
2235	1.25273E-04	5.24854E-05	-1.06341E-06	-7.43271E-06	3.83021E-05	0.00000E+00
2236	1.25871E-04	6.65431E-05	-1.81504E-06	-1.18434E-05	3.85815E-05	0.00000E+00
2237	1.26822E-04	8.07605E-05	-5.41472E-07	-1.62405E-05	3.90536E-05	0.00000E+00
2238	1.26770E-04	9.51399E-05	-2.26185E-06	-1.91247E-05	4.02229E-05	0.00000E+00
2239	1.48105E-04	5.69787E-05	-1.29302E-04	-1.97841E-06	-4.34592E-05	0.00000E+00
2240	1.33453E-04	5.45153E-05	-1.24148E-04	-1.97816E-06	-4.09928E-05	0.00000E+00
2241	1.34215E-04	5.54209E-05	-1.17611E-04	-1.26660E-06	-3.83486E-05	0.00000E+00
2242	1.32368E-04	5.27649E-05	-1.29675E-04	-2.76023E-06	-4.33860E-05	0.00000E+00
2243	1.34654E-04	5.70139E-05	-1.10165E-04	-5.21157E-07	-3.54927E-05	0.00000E+00
2244	1.34743E-04	5.76807E-05	-1.01695E-04	2.87460E-07	-3.24220E-05	0.00000E+00
2245	1.34454E-04	5.90975E-05	-9.26753E-05	1.15552E-06	-2.91203E-05	0.00000E+00
2246	1.33762E-04	5.95391E-05	-8.25904E-05	2.06090E-06	-2.55715E-05	0.00000E+00
2247	1.32659E-04	6.07435E-05	-7.23620E-05	2.96079E-06	-2.17740E-05	0.00000E+00
2248	1.31160E-04	6.09898E-05	-6.09725E-05	3.77147E-06	-1.77550E-05	0.00000E+00
2249	1.29333E-04	6.19360E-05	-4.99114E-05	4.32480E-06	-1.35963E-05	0.00000E+00
2250	1.30758E-04	7.18421E-05	-3.80740E-05	5.70308E-06	-9.37899E-06	0.00000E+00
2251	1.27352E-04	6.20266E-05	-3.75197E-05	4.29768E-06	-9.46662E-06	0.00000E+00
2252	-3.32248E-06	2.97708E-06	1.05336E-07	1.56324E-06	-5.33489E-05	0.00000E+00
2253	-5.07090E-06	2.20924E-05	1.28582E-06	-1.27484E-06	-5.18640E-05	0.00000E+00
2254	1.59285E-05	1.02308E-05	-4.75782E-05	-2.31486E-05	-1.18252E-05	0.00000E+00
2255	1.15599E-05	2.94820E-05	-4.72679E-05	-2.15816E-05	-1.20014E-05	0.00000E+00
2256	-5.22853E-06	4.01305E-05	2.75020E-07	-6.27647E-06	-4.73937E-05	0.00000E+00
2257	7.30852E-06	4.61283E-05	-4.83730E-05	-1.87606E-05	-1.16170E-05	0.00000E+00
2258	-8.33554E-06	5.65042E-05	7.14574E-07	-1.11292E-05	-4.35096E-05	0.00000E+00
2259	-8.96699E-06	7.18774E-05	2.43569E-07	-4.34030E-05	-1.24317E-06	-1.37019E-05
2260	-4.60279E-06	7.18940E-05	-1.97931E-05	-4.44102E-05	-4.73928E-06	0.00000E+00
2261	1.13014E-06	7.08299E-05	-3.95982E-05	-4.26364E-05	-1.00881E-05	0.00000E+00
2262	1.61466E-05	4.83032E-05	-6.94184E-05	-1.97649E-05	-1.58455E-05	0.00000E+00
2263	6.00426E-06	7.08382E-05	-5.82875E-05	-3.97515E-05	-1.49966E-05	0.00000E+00
2264	2.52624E-05	4.84761E-05	-9.08315E-05	-2.01224E-05	-2.05885E-05	0.00000E+00
2265	1.16302E-05	6.93501E-05	-7.55947E-05	-3.67439E-05	-1.97493E-05	0.00000E+00
2266	3.44011E-05	5.02533E-05	-1.09839E-04	-2.00122E-05	-2.54857E-05	0.00000E+00
2267	1.67600E-05	6.91570E-05	-9.15820E-05	-3.38751E-05	-2.43021E-05	0.00000E+00
2268	4.34141E-05	5.07523E-05	-1.28351E-04	-1.96626E-05	-3.03773E-05	0.00000E+00
2269	2.22668E-05	6.75248E-05	-1.06270E-04	-3.10902E-05	-2.86842E-05	0.00000E+00
2270	5.22287E-05	5.22610E-05	-1.44774E-04	-1.91698E-05	-3.51055E-05	0.00000E+00
2271	2.74281E-05	6.70155E-05	-1.19706E-04	-2.82482E-05	-3.28422E-05	0.00000E+00
2272	6.07913E-05	5.29634E-05	-1.60201E-04	-1.85880E-05	-3.96379E-05	0.00000E+00
2273	3.27865E-05	6.53587E-05	-1.31813E-04	-2.52802E-05	-3.67564E-05	0.00000E+00
2274	6.90757E-05	5.42868E-05	-1.73634E-04	-1.79524E-05	-4.39111E-05	0.00000E+00
2275	3.78729E-05	6.44975E-05	-1.42563E-04	-2.22008E-05	-4.03632E-05	0.00000E+00
2276	7.70597E-05	5.51405E-05	-1.85727E-04	-1.72865E-05	-4.79309E-05	0.00000E+00
2277	4.30776E-05	6.28053E-05	-1.51882E-04	-1.90089E-05	-4.36346E-05	0.00000E+00
2278	8.47375E-05	5.63120E-05	-1.95786E-04	-1.66040E-05	-5.16642E-05	0.00000E+00
2279	4.80446E-05	6.16101E-05	-1.59743E-04	-1.57218E-05	-4.65033E-05	0.00000E+00
2280	9.20998E-05	5.72861E-05	-2.04262E-04	-1.58992E-05	-5.51174E-05	0.00000E+00
2281	5.31012E-05	5.98480E-05	-1.66085E-04	-1.23209E-05	-4.89409E-05	0.00000E+00
2282	9.91349E-05	5.83284E-05	-2.10585E-04	-1.51207E-05	-5.82304E-05	0.00000E+00
2283	5.79389E-05	5.83642E-05	-1.70860E-04	-8.76356E-06	-5.08793E-05	0.00000E+00
2284	1.05782E-04	5.94138E-05	-2.15132E-04	-1.41089E-05	-6.09267E-05	0.00000E+00
2285	6.28466E-05	5.64978E-05	-1.73976E-04	-5.02702E-06	-5.23237E-05	0.00000E+00

2286	6.75321E-05	5.47900E-05	-1.75373E-04	-1.16316E-06	-5.33108E-05	0.00000E+00
2287	7.22924E-05	5.28111E-05	-1.75035E-04	2.42262E-06	-5.38510E-05	-9.69398E-06
2288	9.23361E-05	5.36437E-05	-1.75030E-04	-9.65771E-06	2.09608E-06	0.00000E+00
2289	7.62928E-05	5.10823E-05	-1.73086E-04	6.30920E-06	-5.34722E-05	0.00000E+00
2290	1.12664E-04	5.43657E-05	-1.75148E-04	-9.58115E-06	2.00630E-06	0.00000E+00
2291	8.03479E-05	4.90929E-05	-1.69355E-04	1.00921E-05	-5.26384E-05	0.00000E+00
2292	8.41954E-05	4.77132E-05	-1.64001E-04	1.34913E-05	-5.13337E-05	0.00000E+00
2293	1.32709E-04	5.51011E-05	-1.76045E-04	-9.50461E-06	2.08035E-06	0.00000E+00
2294	1.27857E-04	5.66729E-05	-2.14693E-04	-1.61417E-05	-6.08019E-05	0.00000E+00
2295	1.52626E-04	5.58579E-05	-1.76652E-04	-9.45910E-06	2.09149E-06	0.00000E+00
2296	1.49919E-04	5.41137E-05	-2.14296E-04	-1.70013E-05	-6.09529E-05	0.00000E+00
2297	8.80520E-05	4.57881E-05	-1.57178E-04	1.66109E-05	-4.95190E-05	0.00000E+00
2298	9.17111E-05	4.47684E-05	-1.49001E-04	1.94657E-05	-4.71876E-05	0.00000E+00
2299	9.53518E-05	4.29806E-05	-1.39590E-04	2.20856E-05	-4.44093E-05	0.00000E+00
2300	9.87851E-05	4.23001E-05	-1.29043E-04	2.44737E-05	-4.12063E-05	0.00000E+00
2301	1.02163E-04	4.07140E-05	-1.17475E-04	2.66207E-05	-3.76556E-05	0.00000E+00
2302	1.05325E-04	4.03335E-05	-1.04987E-04	2.85169E-05	-3.37764E-05	0.00000E+00
2303	1.08406E-04	3.90098E-05	-9.17050E-05	3.01649E-05	-2.96515E-05	0.00000E+00
2304	1.11270E-04	3.88706E-05	-7.77258E-05	3.15708E-05	-2.52886E-05	0.00000E+00
2305	1.14062E-04	3.78697E-05	-6.31693E-05	3.27562E-05	-2.07622E-05	0.00000E+00
2306	1.16658E-04	3.78818E-05	-4.81099E-05	3.37588E-05	-1.60168E-05	0.00000E+00
2307	1.19297E-04	3.72523E-05	-3.26481E-05	3.45060E-05	-1.11106E-05	0.00000E+00
2308	1.21753E-04	3.73119E-05	-1.69058E-05	3.50148E-05	-5.62653E-06	0.00000E+00
2309	1.24451E-04	3.70806E-05	-1.01073E-06	3.45518E-05	-1.89294E-06	-5.75237E-06
2310	1.25054E-04	4.94483E-05	-1.37673E-06	-8.64670E-06	3.39785E-05	0.00000E+00
2311	1.25960E-04	6.17601E-05	-6.48911E-07	-1.36407E-05	3.42036E-05	0.00000E+00
2312	1.26279E-04	7.42258E-05	-1.80041E-06	-1.88088E-05	3.46061E-05	0.00000E+00
2313	1.26788E-04	8.67952E-05	-5.41484E-07	-2.17520E-05	3.47226E-05	0.00000E+00
2314	1.47371E-04	5.42431E-05	-1.33769E-04	-3.24329E-06	-4.55345E-05	0.00000E+00
2315	1.30890E-04	5.16424E-05	-1.33966E-04	-3.86676E-06	-4.54111E-05	0.00000E+00
2316	1.18576E-04	4.95589E-05	-1.24306E-04	-4.05242E-06	-4.10912E-05	0.00000E+00
2317	1.20299E-04	5.04402E-05	-1.17779E-04	-3.51546E-06	-3.84717E-05	0.00000E+00
2318	1.16616E-04	4.93852E-05	-1.29801E-04	-4.60788E-06	-4.34708E-05	0.00000E+00
2319	1.21772E-04	5.04887E-05	-1.10224E-04	-2.94031E-06	-3.56479E-05	0.00000E+00
2320	1.14389E-04	4.84767E-05	-1.34205E-04	-5.35357E-06	-4.55093E-05	0.00000E+00
2321	1.22972E-04	5.13406E-05	-1.01923E-04	-2.31533E-06	-3.26038E-05	0.00000E+00
2322	1.23877E-04	5.12840E-05	-9.26211E-05	-1.64680E-06	-2.93273E-05	0.00000E+00
2323	1.24471E-04	5.20806E-05	-8.28966E-05	-9.50963E-07	-2.57965E-05	0.00000E+00
2324	1.24745E-04	5.19457E-05	-7.21700E-05	-2.55632E-07	-2.20126E-05	0.00000E+00
2325	1.24708E-04	5.26461E-05	-6.13834E-05	3.85847E-07	-1.79917E-05	0.00000E+00
2326	1.24400E-04	5.24707E-05	-4.95518E-05	8.63482E-07	-1.38131E-05	0.00000E+00
2327	1.23932E-04	5.30203E-05	-3.80641E-05	9.42378E-07	-9.64098E-06	0.00000E+00
2328	1.27579E-04	7.20951E-05	-2.51908E-05	4.33946E-06	-5.38532E-06	0.00000E+00
2329	1.25586E-04	6.26629E-05	-2.60204E-05	3.10309E-06	-5.63851E-06	0.00000E+00
2330	1.23567E-04	5.28522E-05	-2.54567E-05	1.63534E-07	-5.79995E-06	0.00000E+00
2331	-4.01845E-06	3.45358E-06	1.14375E-06	-3.58982E-06	-5.14954E-05	0.00000E+00
2332	-3.18271E-06	2.16931E-05	-3.58486E-07	-1.48970E-06	-4.88071E-05	0.00000E+00
2333	-6.23117E-06	3.81983E-05	1.00757E-06	-6.50745E-06	-4.25443E-05	0.00000E+00
2334	2.76991E-05	1.43316E-05	-6.89739E-05	-2.49429E-05	-1.59473E-05	0.00000E+00
2335	2.19002E-05	3.03551E-05	-6.99024E-05	-2.34938E-05	-1.60094E-05	0.00000E+00
2336	-6.65651E-06	5.25648E-05	2.65872E-07	-1.08459E-05	-3.95299E-05	0.00000E+00
2337	-8.79700E-06	6.69006E-05	2.48940E-07	-4.01091E-05	-7.31579E-07	-1.32915E-05
2338	-3.33547E-06	6.60547E-05	-1.82085E-05	-4.05781E-05	-4.10249E-06	0.00000E+00
2339	1.38562E-06	6.61560E-05	-3.61612E-05	-3.86860E-05	-9.01705E-06	0.00000E+00
2340	6.92741E-06	6.47920E-05	-5.30769E-05	-3.59960E-05	-1.38264E-05	0.00000E+00
2341	3.27065E-05	3.32987E-05	-9.00484E-05	-2.40692E-05	-2.05829E-05	0.00000E+00
2342	1.19753E-05	6.48214E-05	-6.87051E-05	-3.31295E-05	-1.81659E-05	0.00000E+00
2343	4.36039E-05	3.47293E-05	-1.09982E-04	-2.40310E-05	-2.53886E-05	0.00000E+00
2344	1.74903E-05	6.32100E-05	-8.30815E-05	-3.04226E-05	-2.26807E-05	0.00000E+00
2345	5.43783E-05	3.74545E-05	-1.27782E-04	-2.36103E-05	-3.02108E-05	0.00000E+00
2346	2.26431E-05	6.30155E-05	-9.62529E-05	-2.78230E-05	-2.65367E-05	0.00000E+00
2347	6.49021E-05	3.92516E-05	-1.44747E-04	-2.29717E-05	-3.49124E-05	0.00000E+00

2348	2.80375E-05	6.13914E-05	-1.08245E-04	-2.51434E-05	-3.05393E-05	0.00000E+00
2349	7.51031E-05	4.18931E-05	-1.59744E-04	-2.22037E-05	-3.94204E-05	0.00000E+00
2350	3.31744E-05	6.08852E-05	-1.18996E-04	-2.23961E-05	-3.40049E-05	0.00000E+00
2351	8.49366E-05	4.39850E-05	-1.73510E-04	-2.13604E-05	-4.36934E-05	0.00000E+00
2352	3.84370E-05	5.92710E-05	-1.28494E-04	-1.95548E-05	-3.74532E-05	0.00000E+00
2353	9.43787E-05	4.65928E-05	-1.85318E-04	-2.04760E-05	-4.77125E-05	0.00000E+00
2354	4.34880E-05	5.84435E-05	-1.36682E-04	-1.66448E-05	-4.03678E-05	0.00000E+00
2355	1.03416E-04	4.89433E-05	-1.95618E-04	-1.95670E-05	-5.14639E-05	0.00000E+00
2356	4.86201E-05	5.68226E-05	-1.43547E-04	-1.36614E-05	-4.31276E-05	0.00000E+00
2357	1.12038E-04	5.15348E-05	-2.03854E-04	-1.86174E-05	-5.49320E-05	0.00000E+00
2358	5.35628E-05	5.56994E-05	-1.49046E-04	-1.06129E-05	-4.53415E-05	0.00000E+00
2359	1.20214E-04	5.41284E-05	-2.10411E-04	-1.75441E-05	-5.80731E-05	0.00000E+00
2360	5.85667E-05	5.40413E-05	-1.53152E-04	-7.44373E-06	-4.72425E-05	0.00000E+00
2361	6.33967E-05	5.26727E-05	-1.55785E-04	-4.09303E-06	-4.85448E-05	0.00000E+00
2362	6.82495E-05	5.09469E-05	-1.56853E-04	-5.90214E-07	-4.94211E-05	0.00000E+00
2363	7.29344E-05	4.94025E-05	-1.56382E-04	2.41924E-06	-4.97157E-05	-9.66476E-06
2364	9.16844E-05	5.01452E-05	-1.56234E-04	-9.61315E-06	2.06013E-06	0.00000E+00
2365	7.69469E-05	4.76482E-05	-1.54512E-04	5.87021E-06	-4.95263E-05	0.00000E+00
2366	1.10334E-04	5.09059E-05	-1.56523E-04	-9.61042E-06	2.12049E-06	0.00000E+00
2367	8.08012E-05	4.62982E-05	-1.51068E-04	9.21703E-06	-4.87555E-05	0.00000E+00
2368	1.28992E-04	5.16843E-05	-1.56844E-04	-9.40596E-06	2.18414E-06	0.00000E+00
2369	8.46450E-05	4.45590E-05	-1.46174E-04	1.22378E-05	-4.73942E-05	0.00000E+00
2370	8.83228E-05	4.35311E-05	-1.39989E-04	1.49645E-05	-4.56249E-05	0.00000E+00
2371	1.47682E-04	5.24862E-05	-1.58025E-04	-9.34935E-06	2.20246E-06	0.00000E+00
2372	1.41275E-04	4.97850E-05	-2.09754E-04	-1.85754E-05	-5.81689E-05	0.00000E+00
2373	9.19879E-05	4.18802E-05	-1.32630E-04	1.74610E-05	-4.33440E-05	0.00000E+00
2374	9.54750E-05	4.11598E-05	-1.24192E-04	1.97608E-05	-4.07365E-05	0.00000E+00
2375	9.89187E-05	3.96586E-05	-1.14759E-04	2.18627E-05	-3.77064E-05	0.00000E+00
2376	1.02175E-04	3.92152E-05	-1.04426E-04	2.37531E-05	-3.44307E-05	0.00000E+00
2377	1.05355E-04	3.79182E-05	-9.32850E-05	2.54321E-05	-3.07895E-05	0.00000E+00
2378	1.08345E-04	3.77097E-05	-8.14342E-05	2.68925E-05	-2.69977E-05	0.00000E+00
2379	1.11248E-04	3.66676E-05	-6.89672E-05	2.81437E-05	-2.28964E-05	0.00000E+00
2380	1.13973E-04	3.66270E-05	-5.59808E-05	2.91942E-05	-1.87264E-05	0.00000E+00
2381	1.16659E-04	3.58898E-05	-4.25674E-05	3.00243E-05	-1.42627E-05	0.00000E+00
2382	1.19212E-04	3.59360E-05	-2.88402E-05	3.06746E-05	-9.78819E-06	0.00000E+00
2383	1.21854E-04	3.55538E-05	-1.49056E-05	3.08887E-05	-4.71693E-06	0.00000E+00
2384	1.24447E-04	3.55395E-05	-1.12092E-06	3.02131E-05	-1.22303E-06	-5.86018E-06
2385	1.25199E-04	4.62205E-05	-7.59207E-07	-8.20217E-06	2.97059E-05	0.00000E+00
2386	1.25687E-04	5.68624E-05	-1.35691E-06	-1.22476E-05	2.99591E-05	0.00000E+00
2387	1.26267E-04	6.76661E-05	-4.33803E-07	-1.63632E-05	3.03777E-05	0.00000E+00
2388	1.26587E-04	7.85562E-05	-1.58419E-06	-1.86219E-05	2.96932E-05	0.00000E+00
2389	1.45798E-04	5.21298E-05	-1.36778E-04	-5.46591E-06	-4.70743E-05	0.00000E+00
2390	1.28785E-04	4.96983E-05	-1.37321E-04	-5.79186E-06	-4.68322E-05	0.00000E+00
2391	1.11746E-04	4.81114E-05	-1.37457E-04	-6.67334E-06	-4.69740E-05	0.00000E+00
2392	1.03635E-04	4.53937E-05	-1.24340E-04	-6.07035E-06	-4.13130E-05	0.00000E+00
2393	1.06301E-04	4.47145E-05	-1.17766E-04	-5.70822E-06	-3.88068E-05	0.00000E+00
2394	1.00808E-04	4.53738E-05	-1.29830E-04	-6.41850E-06	-4.36241E-05	0.00000E+00
2395	1.08788E-04	4.48516E-05	-1.10299E-04	-5.31288E-06	-3.60498E-05	0.00000E+00
2396	9.78180E-05	4.59975E-05	-1.34244E-04	-6.82628E-06	-4.56050E-05	0.00000E+00
2397	1.11083E-04	4.41798E-05	-1.01854E-04	-4.87968E-06	-3.30869E-05	0.00000E+00
2398	9.46038E-05	4.61756E-05	-1.37390E-04	-7.62227E-06	-4.70991E-05	0.00000E+00
2399	1.13168E-04	4.44142E-05	-9.27545E-05	-4.41733E-06	-2.98518E-05	0.00000E+00
2400	1.15036E-04	4.37829E-05	-8.27592E-05	-3.93451E-06	-2.63797E-05	0.00000E+00
2401	1.16680E-04	4.40796E-05	-7.23761E-05	-3.45035E-06	-2.26268E-05	0.00000E+00
2402	1.18106E-04	4.35253E-05	-6.11625E-05	-2.99384E-06	-1.86435E-05	0.00000E+00
2403	1.19332E-04	4.38336E-05	-4.98449E-05	-2.62510E-06	-1.44430E-05	0.00000E+00
2404	1.20417E-04	4.34046E-05	-3.77442E-05	-2.47458E-06	-1.02038E-05	0.00000E+00
2405	1.21499E-04	4.36394E-05	-2.58251E-05	-2.86015E-06	-6.18492E-06	0.00000E+00
2406	1.25590E-04	7.26707E-05	-1.38274E-05	4.67680E-07	-2.01952E-06	0.00000E+00
2407	1.24763E-04	6.26479E-05	-1.29113E-05	-3.55822E-07	-2.75561E-06	0.00000E+00
2408	1.23852E-04	5.31386E-05	-1.35879E-05	-2.27476E-06	-3.03558E-06	0.00000E+00
2409	1.22916E-04	4.34214E-05	-1.31913E-05	-4.12655E-06	-3.23681E-06	0.00000E+00

2410	0.000000E+00	0.000000E+00	0.000000E+00	-5.87595E-05	-9.67017E-06	-8.20031E-06
2411	-4.36783E-06	2.15064E-05	1.52490E-06	-4.73089E-05	-6.48712E-06	-1.00230E-05
2412	-4.80377E-06	3.50182E-05	-9.53404E-09	-3.71709E-05	-3.97497E-06	-1.03724E-05
2413	-6.76202E-06	4.86707E-05	4.35729E-07	-3.66091E-05	-4.14491E-06	-1.16670E-05
2414	4.01615E-05	1.65123E-05	-9.00490E-05	-2.57337E-05	-2.05703E-05	0.00000E+00
2415	-7.61205E-06	6.14485E-05	6.47714E-08	-3.60811E-05	-2.18469E-06	-1.22183E-05
2416	-2.96766E-06	6.16674E-05	-1.66135E-05	-3.71022E-05	-4.86247E-06	-1.18976E-05
2417	2.30642E-06	6.03745E-05	-3.31089E-05	-3.50910E-05	-8.32790E-06	-1.28719E-05
2418	7.32374E-06	6.05325E-05	-4.82747E-05	-3.25458E-05	-1.24253E-05	-1.31891E-05
2419	1.27030E-05	5.88398E-05	-6.25075E-05	-2.97367E-05	-1.63621E-05	-1.33702E-05
2420	5.28042E-05	2.03376E-05	-1.09232E-04	-2.57207E-05	-2.54022E-05	0.00000E+00
2421	1.78822E-05	5.89343E-05	-7.51980E-05	-2.72060E-05	-2.03817E-05	-1.32798E-05
2422	6.53259E-05	2.30962E-05	-1.27580E-04	-2.52772E-05	-3.02387E-05	0.00000E+00
2423	2.32268E-05	5.72929E-05	-8.71374E-05	-2.48371E-05	-2.40892E-05	-1.32116E-05
2424	7.75547E-05	2.69335E-05	-1.44105E-04	-2.45807E-05	-3.49500E-05	0.00000E+00
2425	2.84205E-05	5.71132E-05	-9.76497E-05	-2.22494E-05	-2.76954E-05	-1.30274E-05
2426	8.93897E-05	3.01336E-05	-1.59409E-04	-2.37362E-05	-3.94635E-05	0.00000E+00
2427	3.36819E-05	5.55224E-05	-1.07274E-04	-1.97700E-05	-3.09867E-05	-1.28594E-05
2428	1.00773E-04	3.40506E-05	-1.72913E-04	-2.28066E-05	-4.37418E-05	0.00000E+00
2429	3.88150E-05	5.50370E-05	-1.15509E-04	-1.70957E-05	-3.41014E-05	-1.26441E-05
2430	1.11673E-04	3.76480E-05	-1.84904E-04	-2.18312E-05	-4.77643E-05	0.00000E+00
2431	4.39728E-05	5.34912E-05	-1.22735E-04	-1.44806E-05	-3.68974E-05	-1.24423E-05
2432	1.22072E-04	4.16794E-05	-1.95017E-04	-2.08270E-05	-5.15217E-05	0.00000E+00
2433	4.90147E-05	5.27084E-05	-1.28582E-04	-1.17175E-05	-3.94813E-05	-1.22290E-05
2434	1.31954E-04	4.56495E-05	-2.03410E-04	-1.97731E-05	-5.49995E-05	0.00000E+00
2435	5.40675E-05	5.11926E-05	-1.33326E-04	-9.00773E-06	-4.17412E-05	-1.20269E-05
2436	5.90134E-05	5.01469E-05	-1.36700E-04	-6.13053E-06	-4.37653E-05	-1.18095E-05
2437	6.39635E-05	4.86202E-05	-1.38859E-04	-3.20369E-06	-4.54105E-05	-1.15437E-05
2438	6.88118E-05	4.73539E-05	-1.39589E-04	-1.48705E-07	-4.65469E-05	-1.10178E-05
2439	7.35384E-05	4.58299E-05	-1.39031E-04	2.52451E-06	-4.67943E-05	-9.44979E-06
2440	7.74582E-05	4.45600E-05	-1.37230E-04	5.45715E-06	-4.64924E-05	-8.05102E-06
2441	9.08366E-05	4.67193E-05	-1.39153E-04	2.12332E-06	-4.76952E-05	-9.44475E-06
2442	1.08294E-04	4.74181E-05	-1.39219E-04	2.16625E-06	-4.76172E-05	-9.42694E-06
2443	8.12564E-05	4.29885E-05	-1.34086E-04	8.28708E-06	-4.53238E-05	-7.52088E-06
2444	1.25544E-04	4.83163E-05	-1.39394E-04	2.32786E-06	-4.73288E-05	-9.40669E-06
2445	8.49457E-05	4.19721E-05	-1.29742E-04	1.09469E-05	-4.36515E-05	-7.21151E-06
2446	1.42704E-04	4.91158E-05	-1.39498E-04	2.16947E-06	-4.76191E-05	-9.39848E-06
2447	8.86053E-05	4.04652E-05	-1.24208E-04	1.33440E-05	-4.16052E-05	-6.93420E-06
2448	9.21405E-05	3.97348E-05	-1.17693E-04	1.55407E-05	-3.93044E-05	-6.63675E-06
2449	9.56213E-05	3.83327E-05	-1.10170E-04	1.75664E-05	-3.66893E-05	-6.31765E-06
2450	9.89616E-05	3.78504E-05	-1.01821E-04	1.94259E-05	-3.38285E-05	-5.96261E-06
2451	1.02218E-04	3.66040E-05	-9.26201E-05	2.10759E-05	-3.06714E-05	-5.59172E-06
2452	1.05324E-04	3.63415E-05	-8.27744E-05	2.25653E-05	-2.72779E-05	-5.19969E-06
2453	1.08328E-04	3.52934E-05	-7.22316E-05	2.38352E-05	-2.36159E-05	-4.81144E-06
2454	1.11183E-04	3.52045E-05	-6.12308E-05	2.49461E-05	-1.97465E-05	-4.44428E-06
2455	1.13946E-04	3.43968E-05	-4.96876E-05	2.58546E-05	-1.56668E-05	-4.13668E-06
2456	1.16587E-04	3.44115E-05	-3.78610E-05	2.66210E-05	-1.15067E-05	-3.99041E-06
2457	1.19211E-04	3.39036E-05	-2.56443E-05	2.71374E-05	-7.43350E-06	-4.15929E-06
2458	1.21814E-04	3.39473E-05	-1.33687E-05	2.74344E-05	-3.78713E-06	-4.90161E-06
2459	1.24542E-04	3.37989E-05	-8.94618E-07	2.71762E-05	-1.66401E-06	-5.47430E-06
2460	1.25106E-04	4.35041E-05	-1.14496E-06	2.66757E-05	-2.02039E-06	-6.10106E-06
2461	1.25779E-04	5.31369E-05	-6.36619E-07	2.67270E-05	-1.88761E-06	-7.14001E-06
2462	1.26217E-04	6.28345E-05	-1.23303E-06	2.72182E-05	-1.43425E-06	-8.05858E-06
2463	1.26576E-04	7.28226E-05	0.00000E+00	2.74665E-05	-4.19511E-07	-8.70366E-06
2464	1.33345E-04	4.14255E-05	-7.22882E-05	-2.09339E-06	-3.05233E-05	0.00000E+00
2465	1.33774E-04	4.28472E-05	-6.83663E-05	-1.60427E-06	-2.84332E-05	0.00000E+00
2466	1.33958E-04	4.36815E-05	-6.39063E-05	-1.09132E-06	-2.62210E-05	0.00000E+00
2467	1.33872E-04	4.49289E-05	-5.90297E-05	-5.16174E-07	-2.38828E-05	0.00000E+00
2468	1.33482E-04	4.55700E-05	-5.35885E-05	1.20786E-07	-2.14004E-05	0.00000E+00
2469	1.32760E-04	4.66251E-05	-4.79490E-05	7.99642E-07	-1.87561E-05	0.00000E+00
2470	1.31693E-04	4.70850E-05	-4.16922E-05	1.48117E-06	-1.59414E-05	0.00000E+00
2471	1.30295E-04	4.79246E-05	-3.54861E-05	2.09130E-06	-1.29687E-05	0.00000E+00

2472	1.28634E-04	4.82211E-05	-2.85761E-05	2.48739E-06	-9.88566E-06	0.00000E+00
2473	-3.28222E-06	1.49873E-06	2.15892E-06	1.49096E-06	-4.63730E-05	0.00000E+00
2474	5.12352E-06	8.79220E-06	-1.68040E-05	-1.61016E-05	-6.59477E-06	0.00000E+00
2475	-2.52452E-06	1.76191E-05	5.92804E-07	-4.82644E-06	-4.24272E-05	0.00000E+00
2476	2.90329E-06	1.99689E-05	-1.84745E-05	-1.63719E-05	-6.74678E-06	0.00000E+00
2477	-5.09360E-06	3.21334E-05	1.30335E-06	-7.69671E-06	-3.64046E-05	0.00000E+00
2478	5.90826E-07	3.60545E-05	-1.65594E-05	-1.43973E-05	-5.84305E-06	0.00000E+00
2479	-5.47753E-06	4.45507E-05	3.61548E-07	-1.08047E-05	-3.33002E-05	0.00000E+00
2480	-1.09459E-06	4.80182E-05	-1.70552E-05	-1.27415E-05	-5.25824E-06	0.00000E+00
2481	-7.39987E-06	5.66645E-05	5.33052E-07	-3.34855E-05	-1.61689E-06	-1.27910E-05
2482	-1.89632E-06	5.58758E-05	-1.48578E-05	3.37052E-05	-4.57506E-06	0.00000E+00
2483	5.04689E-06	4.88936E-05	-3.29533E-05	-1.39886E-05	-7.98169E-06	0.00000E+00
2484	2.73371E-06	5.60932E-05	-2.98389E-05	3.19971E-05	-8.93916E-06	0.00000E+00
2485	1.16874E-05	4.77356E-05	-4.87541E-05	-1.46116E-05	-1.18138E-05	0.00000E+00
2486	8.12486E-06	5.47232E-05	-4.37723E-05	2.94041E-05	-1.25326E-05	0.00000E+00
2487	1.84087E-05	4.89439E-05	-6.21883E-05	-1.47280E-05	-1.56357E-05	0.00000E+00
2488	1.31224E-05	5.49313E-05	-5.64641E-05	2.67176E-05	-1.64571E-05	0.00000E+00
2489	2.51313E-05	4.80786E-05	-7.55549E-05	-1.46512E-05	-1.96107E-05	0.00000E+00
2490	1.84780E-05	5.33594E-05	-6.79922E-05	2.42797E-05	-1.98080E-05	0.00000E+00
2491	3.17728E-05	4.89763E-05	-8.69606E-05	-1.44825E-05	-2.33199E-05	0.00000E+00
2492	2.36117E-05	5.34047E-05	-7.84524E-05	2.19903E-05	-2.34887E-05	0.00000E+00
2493	3.83246E-05	4.82370E-05	-9.79203E-05	-1.42484E-05	-2.69348E-05	0.00000E+00
2494	2.89094E-05	5.18575E-05	-8.78781E-05	1.96644E-05	-2.65744E-05	0.00000E+00
2495	4.47502E-05	4.88490E-05	-1.07198E-04	-1.39856E-05	-3.02540E-05	0.00000E+00
2496	3.40391E-05	5.16479E-05	-9.62364E-05	1.73137E-05	-2.97452E-05	0.00000E+00
2497	5.10524E-05	4.82104E-05	-1.15731E-04	-1.37043E-05	-3.34136E-05	0.00000E+00
2498	3.92488E-05	5.01640E-05	-1.03524E-04	1.49122E-05	-3.23778E-05	0.00000E+00
2499	5.72151E-05	4.85474E-05	-1.22726E-04	-1.34224E-05	-3.62951E-05	0.00000E+00
2500	4.43194E-05	4.96805E-05	-1.09710E-04	1.24830E-05	-3.49622E-05	0.00000E+00
2501	6.32488E-05	4.79966E-05	-1.28780E-04	-1.31468E-05	-3.90130E-05	0.00000E+00
2502	4.94331E-05	4.82567E-05	-1.14790E-04	1.00212E-05	-3.70260E-05	0.00000E+00
2503	6.91492E-05	4.80717E-05	-1.33364E-04	-1.28789E-05	-4.14776E-05	0.00000E+00
2504	5.44224E-05	4.75135E-05	-1.18744E-04	7.53497E-06	-3.89265E-05	0.00000E+00
2505	7.49269E-05	4.75989E-05	-1.36868E-04	-1.25978E-05	-4.37685E-05	0.00000E+00
2506	5.94443E-05	4.61283E-05	-1.21554E-04	4.96429E-06	-4.03457E-05	0.00000E+00
2507	8.05659E-05	4.74732E-05	-1.38959E-04	-1.22315E-05	-4.57206E-05	0.00000E+00
2508	6.43390E-05	4.51597E-05	-1.23169E-04	2.28913E-06	-4.15422E-05	0.00000E+00
2509	8.59930E-05	4.69950E-05	-1.39797E-04	-1.14214E-05	-4.71791E-05	0.00000E+00
2510	6.92351E-05	4.38126E-05	-1.23594E-04	-2.30555E-07	-4.22516E-05	0.00000E+00
2511	7.39394E-05	4.26835E-05	-1.23002E-04	2.39225E-06	-4.25104E-05	-8.91452E-06
2512	9.01669E-05	4.33999E-05	-1.22981E-04	-8.96875E-06	2.02737E-06	0.00000E+00
2513	7.78336E-05	4.13519E-05	-1.21274E-04	-5.01676E-06	-4.21214E-05	0.00000E+00
2514	8.15336E-05	4.03908E-05	-1.18492E-04	-7.37409E-06	-4.12685E-05	0.00000E+00
2515	1.06360E-04	4.41608E-05	-1.23233E-04	-8.96900E-06	2.13344E-06	0.00000E+00
2516	1.03162E-04	4.68911E-05	-1.39831E-04	-1.23189E-05	-4.70400E-05	0.00000E+00
2517	1.22660E-04	4.49471E-05	-1.23482E-04	-9.16677E-06	2.19788E-06	0.00000E+00
2518	1.20223E-04	4.66678E-05	-1.39690E-04	-1.31507E-05	-4.68937E-05	0.00000E+00
2519	8.52216E-05	3.90489E-05	-1.14636E-04	-9.71676E-06	-4.00856E-05	0.00000E+00
2520	1.37895E-04	4.57511E-05	-1.24491E-04	-9.21913E-06	2.19016E-06	0.00000E+00
2521	1.37259E-04	4.62747E-05	-1.39164E-04	-1.34561E-05	-4.71469E-05	0.00000E+00
2522	8.87658E-05	3.83085E-05	-1.09767E-04	-1.18408E-05	-3.84820E-05	0.00000E+00
2523	9.22967E-05	3.70361E-05	-1.03976E-04	-1.37703E-05	-3.65953E-05	0.00000E+00
2524	9.56814E-05	3.65267E-05	-9.73480E-05	-1.55453E-05	-3.43193E-05	0.00000E+00
2525	9.90204E-05	3.53691E-05	-8.99458E-05	-1.71652E-05	-3.17990E-05	0.00000E+00
2526	1.02206E-04	3.50627E-05	-8.18508E-05	-1.86175E-05	-2.89405E-05	0.00000E+00
2527	1.05320E-04	3.40614E-05	-7.31328E-05	-1.99052E-05	-2.59186E-05	0.00000E+00
2528	1.08281E-04	3.39228E-05	-6.38757E-05	-2.10221E-05	-2.26010E-05	0.00000E+00
2529	1.11163E-04	3.31153E-05	-5.41480E-05	-2.19805E-05	-1.92017E-05	0.00000E+00
2530	1.13910E-04	3.30929E-05	-4.40260E-05	-2.27936E-05	-1.55572E-05	0.00000E+00
2531	1.16617E-04	3.25200E-05	-3.35578E-05	-2.34868E-05	-1.19137E-05	0.00000E+00
2532	1.19233E-04	3.25430E-05	-2.27923E-05	-2.40813E-05	-8.13909E-06	0.00000E+00
2533	1.21951E-04	3.22389E-05	-1.17752E-05	-2.43011E-05	-4.23816E-06	0.00000E+00

2534	1.24528E-04	3.22736E-05	-8.14791E-07	2.40476E-05	-1.43665E-06	-5.57878E-06
2535	1.25226E-04	4.09976E-05	-5.48235E-07	-7.42930E-06	2.39606E-05	0.00000E+00
2536	1.25636E-04	4.98058E-05	-9.31537E-07	-1.05887E-05	2.41147E-05	0.00000E+00
2537	1.26217E-04	5.86961E-05	-2.67962E-07	-1.37545E-05	2.43685E-05	0.00000E+00
2538	1.26230E-04	6.76815E-05	-1.15944E-06	-1.57649E-05	2.51681E-05	0.00000E+00
2539	1.32655E-04	4.04080E-05	-7.55998E-05	-2.67973E-06	-3.24590E-05	0.00000E+00
2540	1.22289E-04	3.88086E-05	-7.24311E-05	-2.79724E-06	-3.04820E-05	0.00000E+00
2541	1.23477E-04	3.92968E-05	-6.85065E-05	-2.35463E-06	-2.83948E-05	0.00000E+00
2542	1.20899E-04	3.77684E-05	-7.58124E-05	-3.31149E-06	-3.24037E-05	0.00000E+00
2543	1.24465E-04	4.02366E-05	-6.40750E-05	-1.88352E-06	-2.61828E-05	0.00000E+00
2544	1.25228E-04	4.05993E-05	-5.90922E-05	-1.35505E-06	-2.38440E-05	0.00000E+00
2545	1.25739E-04	4.14291E-05	-5.37911E-05	-7.71371E-07	-2.13619E-05	0.00000E+00
2546	1.25976E-04	4.16737E-05	-4.79218E-05	-1.50678E-07	-1.87193E-05	0.00000E+00
2547	1.25929E-04	4.23738E-05	-4.19414E-05	4.73184E-07	-1.59096E-05	0.00000E+00
2548	1.25607E-04	4.25163E-05	-3.53538E-05	1.03673E-06	-1.29482E-05	0.00000E+00
2549	1.25058E-04	4.30626E-05	-2.88891E-05	1.41529E-06	-9.89116E-06	0.00000E+00
2550	1.26874E-04	4.88178E-05	-2.20081E-05	2.40146E-06	-6.79311E-06	0.00000E+00
2551	1.24407E-04	4.31226E-05	-2.17481E-05	1.37058E-06	-6.86024E-06	0.00000E+00
2552	-2.29093E-06	2.76901E-06	2.09645E-07	1.08113E-06	-3.89761E-05	0.00000E+00
2553	-3.47960E-06	1.66928E-05	1.66881E-06	-1.38683E-06	-3.76108E-05	0.00000E+00
2554	1.41207E-05	9.98839E-06	-3.33519E-05	-2.02564E-05	-8.42421E-06	0.00000E+00
2555	1.10015E-05	2.38890E-05	-3.26402E-05	-1.90442E-05	-8.58841E-06	0.00000E+00
2556	-3.55534E-06	2.96276E-05	4.23159E-07	-5.74180E-06	-3.35009E-05	0.00000E+00
2557	7.96406E-06	3.49188E-05	-3.40181E-05	-1.68306E-05	-8.35009E-06	0.00000E+00
2558	-5.64793E-06	4.10325E-05	1.02725E-06	-9.69186E-06	-2.98807E-05	0.00000E+00
2559	-6.01193E-06	5.14647E-05	4.99291E-07	-2.96162E-05	-1.04435E-06	-1.18515E-05
2560	-1.69026E-06	5.15834E-05	-1.32044E-05	3.04346E-05	-3.93419E-06	0.00000E+00
2561	3.66073E-06	5.05527E-05	-2.67235E-05	2.88934E-05	-8.22393E-06	0.00000E+00
2562	1.58754E-05	3.72491E-05	-4.79140E-05	-1.76583E-05	-1.16663E-05	0.00000E+00
2563	8.44153E-06	5.08120E-05	-3.92698E-05	2.63982E-05	-1.20591E-05	0.00000E+00
2564	2.39984E-05	3.71055E-05	-6.27190E-05	-1.79128E-05	-1.53722E-05	0.00000E+00
2565	1.37945E-05	4.93925E-05	-5.06380E-05	2.38789E-05	-1.56769E-05	0.00000E+00
2566	3.21216E-05	3.90547E-05	-7.49788E-05	-1.77907E-05	-1.91535E-05	0.00000E+00
2567	1.88213E-05	4.95970E-05	-6.09229E-05	2.15594E-05	-1.90753E-05	0.00000E+00
2568	4.01299E-05	3.91460E-05	-8.72668E-05	-1.74903E-05	-2.28794E-05	0.00000E+00
2569	2.41321E-05	4.80870E-05	-7.01735E-05	1.93975E-05	-2.22796E-05	0.00000E+00
2570	4.79742E-05	4.08045E-05	-9.75504E-05	-1.70966E-05	-2.64337E-05	0.00000E+00
2571	2.92298E-05	4.81083E-05	-7.84745E-05	1.72651E-05	-2.52788E-05	0.00000E+00
2572	5.56224E-05	4.10458E-05	-1.07367E-04	-1.66556E-05	-2.98045E-05	0.00000E+00
2573	3.44663E-05	4.66602E-05	-8.57879E-05	1.51015E-05	-2.80473E-05	0.00000E+00
2574	6.30644E-05	4.24620E-05	-1.15485E-04	-1.61979E-05	-3.29617E-05	0.00000E+00
2575	3.95469E-05	4.64418E-05	-9.21306E-05	1.29219E-05	-3.05587E-05	0.00000E+00
2576	7.02955E-05	4.28342E-05	-1.22819E-04	-1.57439E-05	-3.59259E-05	0.00000E+00
2577	4.46992E-05	4.50774E-05	-9.74713E-05	1.07265E-05	-3.27849E-05	0.00000E+00
2578	7.73237E-05	4.40142E-05	-1.28607E-04	-1.53048E-05	-3.86921E-05	0.00000E+00
2579	4.97221E-05	4.46131E-05	-1.01828E-04	8.53095E-06	-3.46933E-05	0.00000E+00
2580	8.41552E-05	4.45124E-05	-1.33418E-04	-1.48717E-05	-4.12739E-05	0.00000E+00
2581	5.47906E-05	4.33250E-05	-1.05180E-04	6.31691E-06	-3.62585E-05	0.00000E+00
2582	9.07905E-05	4.54625E-05	-1.36737E-04	-1.43883E-05	-4.36226E-05	0.00000E+00
2583	5.97393E-05	4.26372E-05	-1.07523E-04	4.03577E-06	-3.74437E-05	0.00000E+00
2584	9.71826E-05	4.60960E-05	-1.38960E-04	-1.36742E-05	-4.56269E-05	0.00000E+00
2585	6.47143E-05	4.14130E-05	-1.08800E-04	1.65380E-06	-3.82556E-05	0.00000E+00
2586	6.95247E-05	4.05487E-05	-1.09001E-04	-6.75686E-07	-3.87792E-05	0.00000E+00
2587	7.43667E-05	3.93785E-05	-1.08238E-04	2.41213E-06	-3.90904E-05	-8.88148E-06
2588	8.93553E-05	4.02142E-05	-1.08270E-04	-8.86344E-06	2.10883E-06	0.00000E+00
2589	7.80702E-05	3.84696E-05	-1.06734E-04	-4.42081E-06	-3.86359E-05	0.00000E+00
2590	1.04574E-04	4.09416E-05	-1.08399E-04	-8.91732E-06	2.02200E-06	0.00000E+00
2591	8.18096E-05	3.73176E-05	-1.04225E-04	-6.65813E-06	-3.79572E-05	0.00000E+00
2592	8.53724E-05	3.66039E-05	-1.00743E-04	-8.69371E-06	-3.69857E-05	0.00000E+00
2593	1.19423E-04	4.16830E-05	-1.09087E-04	-8.99507E-06	2.09579E-06	0.00000E+00
2594	1.13726E-04	4.48764E-05	-1.38663E-04	-1.51259E-05	-4.55231E-05	0.00000E+00
2595	1.34073E-04	4.24456E-05	-1.09566E-04	-9.03983E-06	2.10873E-06	0.00000E+00

2596	1.30248E-04	4.36353E-05	-1.38386E-04	-1.57334E-05	-4.56457E-05	0.00000E+00
2597	8.89345E-05	3.54720E-05	-9.63868E-05	-1.05281E-05	-3.56525E-05	0.00000E+00
2598	9.23549E-05	3.49544E-05	-9.12392E-05	-1.21895E-05	-3.39480E-05	0.00000E+00
2599	9.57553E-05	3.38986E-05	-8.53745E-05	-1.37146E-05	-3.19235E-05	0.00000E+00
2600	9.90091E-05	3.35654E-05	-7.88476E-05	-1.51099E-05	-2.95987E-05	0.00000E+00
2601	1.02213E-04	3.26268E-05	-7.17228E-05	-1.63681E-05	-2.70262E-05	0.00000E+00
2602	1.05270E-04	3.24498E-05	-6.40588E-05	-1.74836E-05	-2.42248E-05	0.00000E+00
2603	1.08259E-04	3.16626E-05	-5.59256E-05	-1.84576E-05	-2.12489E-05	0.00000E+00
2604	1.11112E-04	3.16033E-05	-4.73801E-05	-1.92946E-05	-1.81091E-05	0.00000E+00
2605	1.13908E-04	3.09998E-05	-3.84883E-05	-2.00077E-05	-1.48520E-05	0.00000E+00
2606	1.16596E-04	3.10070E-05	-2.92930E-05	-2.06189E-05	-1.14429E-05	0.00000E+00
2607	1.19313E-04	3.06163E-05	-1.98490E-05	-2.10859E-05	-7.91371E-06	0.00000E+00
2608	1.21948E-04	3.06399E-05	-1.02310E-05	-2.13905E-05	-3.96602E-06	0.00000E+00
2609	1.24745E-04	3.04861E-05	-5.26931E-07	2.11380E-05	-1.26844E-06	-6.16030E-06
2610	1.25153E-04	3.80640E-05	-7.02270E-07	-8.25958E-06	2.08324E-05	0.00000E+00
2611	1.25732E-04	4.56126E-05	-3.27819E-07	-1.18709E-05	2.09623E-05	0.00000E+00
2612	1.25961E-04	5.32485E-05	-9.01778E-07	-1.55879E-05	2.11897E-05	0.00000E+00
2613	1.26268E-04	6.09432E-05	-2.57156E-07	-1.77056E-05	2.12529E-05	0.00000E+00
2614	1.31593E-04	3.88309E-05	-7.84076E-05	-3.64249E-06	-3.41349E-05	0.00000E+00
2615	1.19238E-04	3.71691E-05	-7.85143E-05	-4.14370E-06	-3.40351E-05	0.00000E+00
2616	1.11230E-04	3.57751E-05	-7.25283E-05	-4.45153E-06	-3.05122E-05	0.00000E+00
2617	1.13178E-04	3.63328E-05	-6.85992E-05	-4.11127E-06	-2.84469E-05	0.00000E+00
2618	1.09135E-04	3.56849E-05	-7.58849E-05	-4.81128E-06	-3.24295E-05	0.00000E+00
2619	1.14965E-04	3.63542E-05	-6.41180E-05	-3.73806E-06	-2.62653E-05	0.00000E+00
2620	1.06864E-04	3.50915E-05	-7.86560E-05	-5.34796E-06	-3.40955E-05	0.00000E+00
2621	1.16574E-04	3.68792E-05	-5.92137E-05	-3.32070E-06	-2.39533E-05	0.00000E+00
2622	1.17982E-04	3.68458E-05	-5.37749E-05	-2.86440E-06	-2.14961E-05	0.00000E+00
2623	1.19176E-04	3.73246E-05	-4.80801E-05	-2.38306E-06	-1.88725E-05	0.00000E+00
2624	1.20148E-04	3.72514E-05	-4.18565E-05	-1.89904E-06	-1.60773E-05	0.00000E+00
2625	1.20902E-04	3.76620E-05	-3.55594E-05	-1.45290E-06	-1.31186E-05	0.00000E+00
2626	1.21469E-04	3.75692E-05	-2.87230E-05	-1.12588E-06	-1.00497E-05	0.00000E+00
2627	1.21929E-04	3.78839E-05	-2.20124E-05	-1.09005E-06	-6.98927E-06	0.00000E+00
2628	1.25356E-04	4.89720E-05	-1.46003E-05	1.37479E-06	-3.86685E-06	0.00000E+00
2629	1.23924E-04	4.34884E-05	-1.50048E-05	4.70162E-07	-4.05529E-06	0.00000E+00
2630	1.22473E-04	3.77953E-05	-1.47423E-05	-1.68274E-06	-4.17367E-06	0.00000E+00
2631	-2.71302E-06	3.09500E-06	1.61315E-06	-3.39023E-06	-3.72371E-05	0.00000E+00
2632	-2.10492E-06	1.62218E-05	-8.75113E-08	-1.64974E-06	-3.49010E-05	0.00000E+00
2633	-4.12069E-06	2.78451E-05	1.31808E-06	-5.94718E-06	-2.94081E-05	0.00000E+00
2634	2.43307E-05	1.40274E-05	-4.74549E-05	-2.17183E-05	-1.16602E-05	0.00000E+00
2635	2.00905E-05	2.44127E-05	-4.86556E-05	-2.05814E-05	-1.17223E-05	0.00000E+00
2636	-4.37679E-06	3.75756E-05	4.69899E-07	-9.55412E-06	-2.66711E-05	0.00000E+00
2637	-5.74522E-06	4.72361E-05	5.84424E-07	-2.70682E-05	-6.17514E-07	-1.15082E-05
2638	-6.96307E-07	4.64429E-05	-1.18976E-05	2.73575E-05	-3.33728E-06	0.00000E+00
2639	3.92840E-06	4.66890E-05	-2.39204E-05	2.57404E-05	-7.24004E-06	0.00000E+00
2640	9.16873E-06	4.54164E-05	-3.50746E-05	2.34884E-05	-1.10707E-05	0.00000E+00
2641	2.95357E-05	2.73790E-05	-6.17630E-05	-2.09829E-05	-1.52933E-05	0.00000E+00
2642	1.40993E-05	4.57234E-05	-4.51588E-05	2.11348E-05	-1.43864E-05	0.00000E+00
2643	3.90196E-05	2.82693E-05	-7.53146E-05	-2.08770E-05	-1.90101E-05	0.00000E+00
2644	1.93813E-05	4.42474E-05	-5.42345E-05	1.89934E-05	-1.78453E-05	0.00000E+00
2645	4.83733E-05	3.09288E-05	-8.66122E-05	-2.04820E-05	-2.26947E-05	0.00000E+00
2646	2.44324E-05	4.44583E-05	-6.23741E-05	1.70139E-05	-2.06551E-05	0.00000E+00
2647	5.75064E-05	3.20269E-05	-9.76657E-05	-1.99440E-05	-2.62443E-05	0.00000E+00
2648	2.96615E-05	4.30249E-05	-6.96312E-05	1.50346E-05	-2.36099E-05	0.00000E+00
2649	6.63774E-05	3.44746E-05	-1.06899E-04	-1.93405E-05	-2.96147E-05	0.00000E+00
2650	3.47399E-05	4.30392E-05	-7.59840E-05	1.30670E-05	-2.60503E-05	0.00000E+00
2651	7.49686E-05	3.57403E-05	-1.15465E-04	-1.87184E-05	-3.27903E-05	0.00000E+00
2652	3.99013E-05	4.17025E-05	-8.14535E-05	1.10889E-05	-2.85108E-05	0.00000E+00
2653	8.32802E-05	3.79933E-05	-1.22462E-04	-1.81066E-05	-3.57740E-05	0.00000E+00
2654	4.49476E-05	4.14914E-05	-8.60237E-05	9.12451E-06	-3.04845E-05	0.00000E+00
2655	9.13207E-05	3.94179E-05	-1.28517E-04	-1.75154E-05	-3.85710E-05	0.00000E+00
2656	5.00383E-05	4.02611E-05	-8.97165E-05	7.16942E-06	-3.23783E-05	0.00000E+00
2657	9.90989E-05	4.14706E-05	-1.33111E-04	-1.69190E-05	-4.11747E-05	0.00000E+00

2658	5.50281E-05	3.98298E-05	-9.25268E-05	5.22835E-06	-3.37979E-05	0.00000E+00
2659	1.06598E-04	4.30572E-05	-1.36624E-04	-1.62110E-05	-4.35353E-05	0.00000E+00
2660	6.00439E-05	3.86987E-05	-9.44634E-05	3.24985E-06	-3.50164E-05	0.00000E+00
2661	6.49571E-05	3.80803E-05	-9.54852E-05	1.17253E-06	-3.57114E-05	0.00000E+00
2662	6.98491E-05	3.70302E-05	-9.55324E-05	-9.85779E-07	-3.61246E-05	0.00000E+00
2663	7.46048E-05	3.62727E-05	-9.46919E-05	2.30755E-06	-3.61689E-05	-8.86054E-06
2664	8.86749E-05	3.69977E-05	-9.45922E-05	-8.88683E-06	1.99109E-06	0.00000E+00
2665	7.83457E-05	3.52935E-05	-9.33149E-05	-4.00727E-06	-3.59576E-05	0.00000E+00
2666	1.02640E-04	3.77182E-05	-9.48323E-05	-9.00039E-06	2.00953E-06	0.00000E+00
2667	8.19546E-05	3.46214E-05	-9.10245E-05	-6.01086E-06	-3.53812E-05	0.00000E+00
2668	1.16595E-04	3.84478E-05	-9.51063E-05	-8.92518E-06	2.06778E-06	0.00000E+00
2669	8.55356E-05	3.36397E-05	-8.78753E-05	-7.76438E-06	-3.43829E-05	0.00000E+00
2670	8.89913E-05	3.31394E-05	-8.39869E-05	-9.31173E-06	-3.30583E-05	0.00000E+00
2671	1.30319E-04	3.92047E-05	-9.59794E-05	-8.94291E-06	2.08633E-06	0.00000E+00
2672	1.22388E-04	4.09441E-05	-1.36209E-04	-1.69814E-05	-4.36013E-05	0.00000E+00
2673	9.24320E-05	3.21957E-05	-7.94381E-05	-1.07185E-05	-3.13801E-05	0.00000E+00
2674	9.57452E-05	3.18547E-05	-7.42823E-05	-1.20176E-05	-2.94550E-05	0.00000E+00
2675	9.90205E-05	3.09931E-05	-6.85652E-05	-1.32104E-05	-2.72514E-05	0.00000E+00
2676	1.02165E-04	3.07919E-05	-6.23363E-05	-1.42886E-05	-2.48539E-05	0.00000E+00
2677	1.05247E-04	3.00445E-05	-5.56459E-05	-1.52509E-05	-2.22229E-05	0.00000E+00
2678	1.08203E-04	2.99557E-05	-4.85473E-05	-1.60938E-05	-1.94587E-05	0.00000E+00
2679	1.11091E-04	2.93496E-05	-4.10921E-05	-1.68216E-05	-1.65061E-05	0.00000E+00
2680	1.13870E-04	2.93344E-05	-3.33325E-05	-1.74394E-05	-1.34720E-05	0.00000E+00
2681	1.16620E-04	2.88966E-05	-2.53216E-05	-1.79319E-05	-1.02662E-05	0.00000E+00
2682	1.19304E-04	2.89161E-05	-1.71253E-05	-1.83153E-05	-7.01910E-06	0.00000E+00
2683	1.22051E-04	2.86792E-05	-8.81207E-06	-1.84546E-05	-3.39773E-06	0.00000E+00
2684	1.24793E-04	2.86541E-05	-5.75265E-07	1.80519E-05	-8.76303E-07	-6.18145E-06
2685	1.25289E-04	3.50184E-05	-3.90557E-07	-7.87411E-06	1.77359E-05	0.00000E+00
2686	1.25629E-04	4.13565E-05	-6.75176E-07	-1.08168E-05	1.78946E-05	0.00000E+00
2687	1.26021E-04	4.77911E-05	-2.17791E-07	-1.37899E-05	1.81352E-05	0.00000E+00
2688	1.26203E-04	5.42704E-05	-7.65562E-07	-1.54568E-05	1.76043E-05	0.00000E+00
2689	1.29845E-04	3.77159E-05	-8.04246E-05	-5.54079E-06	-3.53365E-05	0.00000E+00
2690	1.17078E-04	3.60033E-05	-8.07397E-05	-5.76090E-06	-3.51418E-05	0.00000E+00
2691	1.04281E-04	3.48872E-05	-8.08177E-05	-6.42507E-06	-3.52886E-05	0.00000E+00
2692	1.00150E-04	3.32656E-05	-7.25497E-05	-6.05565E-06	-3.05678E-05	0.00000E+00
2693	1.02840E-04	3.28892E-05	-6.86024E-05	-5.81432E-06	-2.86042E-05	0.00000E+00
2694	9.73533E-05	3.31701E-05	-7.59123E-05	-6.28725E-06	-3.24233E-05	0.00000E+00
2695	1.05410E-04	3.30300E-05	-6.41574E-05	-5.54670E-06	-2.64923E-05	0.00000E+00
2696	9.44501E-05	3.35048E-05	-7.86866E-05	-6.57072E-06	-3.40680E-05	0.00000E+00
2697	1.07847E-04	3.26562E-05	-5.91874E-05	-5.24801E-06	-2.42558E-05	0.00000E+00
2698	9.13857E-05	3.35047E-05	-8.07671E-05	-7.22617E-06	-3.53423E-05	0.00000E+00
2699	1.10139E-04	3.28324E-05	-5.38422E-05	-4.92580E-06	-2.18444E-05	0.00000E+00
2700	1.12278E-04	3.24815E-05	-4.80188E-05	-4.58781E-06	-1.92737E-05	0.00000E+00
2701	1.14260E-04	3.26736E-05	-4.19574E-05	-4.24974E-06	-1.65122E-05	0.00000E+00
2702	1.16090E-04	3.23655E-05	-3.54578E-05	-3.93356E-06	-1.35867E-05	0.00000E+00
2703	1.17782E-04	3.25469E-05	-2.88632E-05	-3.68364E-06	-1.05100E-05	0.00000E+00
2704	1.19380E-04	3.23074E-05	-2.18647E-05	-3.59451E-06	-7.40223E-06	0.00000E+00
2705	1.20985E-04	3.24376E-05	-1.49133E-05	-3.89700E-06	-4.46005E-06	0.00000E+00
2706	1.24725E-04	4.93106E-05	-7.90241E-06	-1.49715E-06	-1.40889E-06	0.00000E+00
2707	1.24144E-04	4.34884E-05	-7.47086E-06	-2.09603E-06	-1.95047E-06	0.00000E+00
2708	1.23503E-04	3.79598E-05	-7.79054E-06	-3.49127E-06	-2.15179E-06	0.00000E+00
2709	1.22844E-04	3.23115E-05	-7.61084E-06	-4.84818E-06	-2.29566E-06	0.00000E+00
2710	0.00000E+00	0.00000E+00	0.00000E+00	-4.34504E-05	-5.94210E-06	-7.52475E-06
2711	-2.77954E-06	1.59251E-05	1.74832E-06	-3.35473E-05	-4.11892E-06	-8.92759E-06
2712	-3.06563E-06	2.49435E-05	2.03635E-07	-2.48218E-05	-2.54209E-06	-9.49678E-06
2713	-4.30735E-06	3.41063E-05	7.60745E-07	-2.43186E-05	-2.65004E-06	-1.05739E-05
2714	3.50700E-05	1.56357E-05	-6.20668E-05	-2.22774E-05	-1.52745E-05	0.00000E+00
2715	-4.83114E-06	4.24663E-05	3.59433E-07	-2.37196E-05	-1.49155E-06	-1.10438E-05
2716	-3.37033E-07	4.27199E-05	-1.06346E-05	-2.45627E-05	-3.55132E-06	-1.12413E-05
2717	4.65017E-06	4.15476E-05	-2.15219E-05	-2.28691E-05	-6.37860E-06	-1.21091E-05
2718	9.51864E-06	4.18777E-05	-3.12564E-05	-2.07732E-05	-9.65148E-06	-1.24302E-05
2719	1.46623E-05	4.03546E-05	-4.02808E-05	-1.85212E-05	-1.27796E-05	-1.25972E-05

2720	4.59045E-05	1.92530E-05	-7.44311E-05	-2.21761E-05	-1.90134E-05	0.00000E+00
2721	1.96980E-05	4.07372E-05	-4.80334E-05	-1.65653E-05	-1.58932E-05	-1.25513E-05
2722	5.65938E-05	2.11774E-05	-8.66420E-05	-2.17476E-05	-2.27094E-05	0.00000E+00
2723	2.48589E-05	3.92900E-05	-5.52865E-05	-1.48103E-05	-1.87293E-05	-1.25139E-05
2724	6.70149E-05	2.46124E-05	-9.70089E-05	-2.11519E-05	-2.62667E-05	0.00000E+00
2725	2.99407E-05	3.95148E-05	-6.14213E-05	-1.29218E-05	-2.14244E-05	-1.23908E-05
2726	7.71084E-05	2.67442E-05	-1.06744E-04	-2.04816E-05	-2.96414E-05	0.00000E+00
2727	3.50718E-05	3.81754E-05	-6.69896E-05	-1.11938E-05	-2.38563E-05	-1.22826E-05
2728	8.68522E-05	3.00247E-05	-1.14955E-04	-1.97913E-05	-3.28210E-05	0.00000E+00
2729	4.01390E-05	3.81959E-05	-7.15319E-05	-9.35541E-06	-2.61093E-05	-1.21410E-05
2730	9.62467E-05	3.23472E-05	-1.22192E-04	-1.91137E-05	-3.58072E-05	0.00000E+00
2731	4.52204E-05	3.69846E-05	-7.54578E-05	-7.63604E-06	-2.81166E-05	-1.20126E-05
2732	1.05303E-04	3.54783E-05	-1.28088E-04	-1.84582E-05	-3.86080E-05	0.00000E+00
2733	5.02447E-05	3.67916E-05	-7.84250E-05	-5.85099E-06	-2.99393E-05	-1.18776E-05
2734	1.14028E-04	3.79897E-05	-1.32794E-04	-1.77898E-05	-4.12187E-05	0.00000E+00
2735	5.52699E-05	3.57147E-05	-8.07518E-05	-4.17404E-06	-3.15332E-05	-1.17497E-05
2736	6.02384E-05	3.53245E-05	-8.21851E-05	-2.41769E-06	-3.29462E-05	-1.16073E-05
2737	6.51955E-05	3.43645E-05	-8.29417E-05	-6.87579E-07	-3.41044E-05	-1.14165E-05
2738	7.00898E-05	3.38025E-05	-8.28142E-05	1.11558E-06	-3.48393E-05	-1.09517E-05
2739	7.48085E-05	3.29821E-05	-8.20102E-05	2.30177E-06	-3.48476E-05	-9.02599E-06
2740	7.85323E-05	3.24074E-05	-8.06717E-05	3.70933E-06	-3.45502E-05	-7.62106E-06
2741	8.78344E-05	3.37975E-05	-8.20923E-05	1.93941E-06	-3.59312E-05	-9.01726E-06
2742	1.01006E-04	3.44304E-05	-8.21554E-05	1.97594E-06	-3.58346E-05	-8.97176E-06
2743	8.21050E-05	3.15557E-05	-7.86071E-05	5.30322E-06	-3.35728E-05	-7.16430E-06
2744	1.13939E-04	3.52506E-05	-8.23088E-05	2.12357E-06	-3.54938E-05	-8.92459E-06
2745	8.55955E-05	3.10880E-05	-7.58712E-05	6.77841E-06	-3.22116E-05	-6.93967E-06
2746	1.26772E-04	3.59746E-05	-8.24042E-05	1.96314E-06	-3.57101E-05	-8.90922E-06
2747	8.90563E-05	3.02625E-05	-7.24863E-05	8.09229E-06	-3.06041E-05	-6.74343E-06
2748	9.24249E-05	2.99362E-05	-6.85632E-05	9.28808E-06	-2.88366E-05	-6.53537E-06
2749	9.57501E-05	2.91615E-05	-6.40952E-05	1.04002E-05	-2.68643E-05	-6.31199E-06
2750	9.89741E-05	2.89530E-05	-5.91671E-05	1.14207E-05	-2.47295E-05	-6.06080E-06
2751	1.02134E-04	2.82612E-05	-5.37776E-05	1.23346E-05	-2.23957E-05	-5.79874E-06
2752	1.05189E-04	2.81533E-05	-4.80216E-05	1.31594E-05	-1.98980E-05	-5.52161E-06
2753	1.08167E-04	2.75681E-05	-4.18883E-05	1.38719E-05	-1.72154E-05	-5.25062E-06
2754	1.11046E-04	2.75346E-05	-3.54853E-05	1.44959E-05	-1.43833E-05	-4.99728E-06
2755	1.13861E-04	2.70781E-05	-2.87892E-05	1.50174E-05	-1.14040E-05	-4.79183E-06
2756	1.16601E-04	2.70840E-05	-2.19139E-05	1.54565E-05	-8.36192E-06	-4.70506E-06
2757	1.19332E-04	2.67895E-05	-1.48302E-05	1.57687E-05	-5.38682E-06	-4.85148E-06
2758	1.22066E-04	2.68042E-05	-7.68556E-06	1.59401E-05	-2.71785E-06	-5.41599E-06
2759	1.24893E-04	2.67087E-05	-4.55002E-07	1.57943E-05	-1.17382E-06	-5.88488E-06
2760	1.25284E-04	3.23611E-05	-5.62538E-07	1.55268E-05	-1.40607E-06	-6.34240E-06
2761	1.25744E-04	3.79571E-05	-3.22800E-07	1.55547E-05	-1.31460E-06	-7.09814E-06
2762	1.26050E-04	4.36044E-05	-5.88228E-07	1.58262E-05	-9.94238E-07	-7.77951E-06
2763	1.26292E-04	4.93947E-05	0.00000E+00	1.59191E-05	-2.42374E-07	-8.25490E-06
2764	2.95194E-05	9.83908E-06	-2.20349E-05	-1.81643E-05	-8.84924E-06	0.00000E+00
2765	3.82199E-05	1.22063E-05	-2.54603E-05	-1.79072E-05	-1.14351E-05	0.00000E+00
2766	4.67166E-05	1.28274E-05	-2.95128E-05	-1.74338E-05	-1.38993E-05	0.00000E+00
2767	5.49400E-05	1.49351E-05	-3.21202E-05	-1.68858E-05	-1.61874E-05	0.00000E+00
2768	6.28742E-05	1.55368E-05	-3.48654E-05	-1.63384E-05	-1.82863E-05	0.00000E+00
2769	7.05325E-05	1.73707E-05	-3.66774E-05	-1.58313E-05	-2.02066E-05	0.00000E+00
2770	7.79431E-05	1.79724E-05	-3.82893E-05	-1.53836E-05	-2.19700E-05	0.00000E+00
2771	8.51389E-05	1.95124E-05	-3.93314E-05	-1.49936E-05	-2.35991E-05	0.00000E+00
2772	9.21423E-05	2.01367E-05	-3.99719E-05	-1.46193E-05	-2.51012E-05	0.00000E+00
2773	1.23498E-04	2.58235E-05	-3.36290E-05	-3.05380E-06	-2.39057E-05	0.00000E+00
2774	1.24478E-04	2.64684E-05	-3.16777E-05	-2.71342E-06	-2.22334E-05	0.00000E+00
2775	1.25288E-04	2.67957E-05	-2.95203E-05	-2.35169E-06	-2.04792E-05	0.00000E+00
2776	1.25905E-04	2.73532E-05	-2.71772E-05	-1.93528E-06	-1.86385E-05	0.00000E+00
2777	1.26300E-04	2.76079E-05	-2.46287E-05	-1.46340E-06	-1.66939E-05	0.00000E+00
2778	1.26447E-04	2.80727E-05	-2.19645E-05	-9.51204E-07	-1.46285E-05	0.00000E+00
2779	1.26331E-04	2.82627E-05	-1.90951E-05	-4.29009E-07	-1.24330E-05	0.00000E+00
2780	1.25960E-04	2.86283E-05	-1.61764E-05	4.56753E-08	-1.01146E-05	0.00000E+00
2781	1.25381E-04	2.87623E-05	-1.30551E-05	3.61431E-07	-7.70918E-06	0.00000E+00

2782	-1.99588E-06	1.21113E-06	2.19793E-06	1.13203E-06	-3.26914E-05	0.00000E+00
2783	4.89521E-06	7.66620E-06	-1.06356E-05	-1.45769E-05	-4.12968E-06	0.00000E+00
2784	-1.56713E-06	1.24674E-05	5.30398E-07	-4.38741E-06	-2.92961E-05	0.00000E+00
2785	3.48913E-06	1.45280E-05	-1.24134E-05	-1.46739E-05	-4.38620E-06	0.00000E+00
2786	-3.13433E-06	2.23464E-05	1.48040E-06	-6.82935E-06	-2.41809E-05	0.00000E+00
2787	2.00768E-06	2.58667E-05	-1.05131E-05	-1.32085E-05	-3.85614E-06	0.00000E+00
2788	-3.38251E-06	3.04582E-05	5.37231E-07	-9.43922E-06	-2.16383E-05	0.00000E+00
2789	9.20994E-07	3.35000E-05	-1.10779E-05	-1.18974E-05	-3.54353E-06	0.00000E+00
2790	-4.55872E-06	3.83691E-05	7.58461E-07	-2.17581E-05	-1.29155E-06	-1.10435E-05
2791	4.94590E-07	3.76784E-05	-9.27646E-06	2.18118E-05	-3.73125E-06	0.00000E+00
2792	5.04535E-06	3.79785E-05	-1.88985E-05	2.03589E-05	-7.32204E-06	0.00000E+00
2793	6.66593E-06	3.43621E-05	-2.13268E-05	-1.30365E-05	-5.74716E-06	0.00000E+00
2794	1.01380E-05	3.67668E-05	-2.76731E-05	1.82894E-05	-1.01717E-05	0.00000E+00
2795	1.28238E-05	3.32520E-05	-3.17100E-05	-1.35790E-05	-8.83469E-06	0.00000E+00
2796	1.50153E-05	3.71649E-05	-3.54595E-05	1.61833E-05	-1.32766E-05	0.00000E+00
2797	1.90607E-05	3.44904E-05	-3.99483E-05	-1.36891E-05	-1.19192E-05	0.00000E+00
2798	2.01384E-05	3.57917E-05	-4.23517E-05	1.43407E-05	-1.58086E-05	0.00000E+00
2799	2.52972E-05	3.36070E-05	-4.83649E-05	-1.36296E-05	-1.50543E-05	0.00000E+00
2800	2.51527E-05	3.61369E-05	-4.84501E-05	1.26743E-05	-1.86283E-05	0.00000E+00
2801	3.14701E-05	3.46233E-05	-5.50817E-05	-1.34967E-05	-1.79454E-05	0.00000E+00
2802	3.02702E-05	3.48274E-05	-5.38092E-05	1.10269E-05	-2.08817E-05	0.00000E+00
2803	3.75715E-05	3.38569E-05	-6.16607E-05	-1.33182E-05	-2.06992E-05	0.00000E+00
2804	3.53097E-05	3.50196E-05	-5.84209E-05	9.41321E-06	-2.32303E-05	0.00000E+00
2805	4.35790E-05	3.46500E-05	-6.68759E-05	-1.31252E-05	-2.32006E-05	0.00000E+00
2806	4.03905E-05	3.38321E-05	-6.23113E-05	7.81053E-06	-2.50816E-05	0.00000E+00
2807	4.94960E-05	3.40039E-05	-7.17131E-05	-1.29258E-05	-2.55377E-05	0.00000E+00
2808	4.54103E-05	3.38378E-05	-6.54744E-05	6.24038E-06	-2.69271E-05	0.00000E+00
2809	5.53162E-05	3.45652E-05	-7.54013E-05	-1.27339E-05	-2.76615E-05	0.00000E+00
2810	5.04428E-05	3.27895E-05	-6.79355E-05	4.69748E-06	-2.83113E-05	0.00000E+00
2811	6.10485E-05	3.40483E-05	-7.85721E-05	-1.25536E-05	-2.96445E-05	0.00000E+00
2812	5.54198E-05	3.26061E-05	-6.96982E-05	3.18844E-06	-2.96082E-05	0.00000E+00
2813	6.66950E-05	3.43756E-05	-8.07339E-05	-1.23830E-05	-3.14586E-05	0.00000E+00
2814	6.03976E-05	3.16942E-05	-7.07763E-05	1.66233E-06	-3.04978E-05	0.00000E+00
2815	7.22632E-05	3.39954E-05	-8.22967E-05	-1.22023E-05	-3.31462E-05	0.00000E+00
2816	6.53053E-05	3.13368E-05	-7.11475E-05	9.65533E-08	-3.12775E-05	0.00000E+00
2817	7.77457E-05	3.41279E-05	-8.29704E-05	-1.19525E-05	-3.46023E-05	0.00000E+00
2818	7.01740E-05	3.05730E-05	-7.08427E-05	-1.25803E-06	-3.16704E-05	0.00000E+00
2819	8.30765E-05	3.38378E-05	-8.29538E-05	-1.12359E-05	-3.56569E-05	0.00000E+00
2820	7.48682E-05	3.00818E-05	-7.00736E-05	2.08659E-06	-3.17362E-05	-8.20693E-06
2821	8.72388E-05	3.06880E-05	-7.01040E-05	-8.30980E-06	1.75639E-06	0.00000E+00
2822	7.85862E-05	2.94119E-05	-6.88113E-05	-3.34921E-06	-3.13622E-05	0.00000E+00
2823	8.21261E-05	2.90101E-05	-6.70489E-05	-4.55129E-06	-3.06439E-05	0.00000E+00
2824	9.95137E-05	3.13641E-05	-7.02910E-05	-8.37795E-06	1.89756E-06	0.00000E+00
2825	9.60689E-05	3.41335E-05	-8.29761E-05	-1.18101E-05	-3.55442E-05	0.00000E+00
2826	1.11861E-04	3.20690E-05	-7.04760E-05	-8.62711E-06	1.95270E-06	0.00000E+00
2827	1.08946E-04	3.42457E-05	-8.28918E-05	-1.22664E-05	-3.53761E-05	0.00000E+00
2828	8.56359E-05	2.83067E-05	-6.47162E-05	-5.81887E-06	-2.96906E-05	0.00000E+00
2829	1.23295E-04	3.27840E-05	-7.11857E-05	-8.71093E-06	1.93599E-06	0.00000E+00
2830	1.21795E-04	3.43957E-05	-8.25958E-05	-1.24000E-05	-3.55840E-05	0.00000E+00
2831	8.90367E-05	2.79956E-05	-6.18392E-05	-6.94640E-06	-2.84677E-05	0.00000E+00
2832	9.24206E-05	2.73231E-05	-5.84749E-05	-7.95922E-06	-2.70345E-05	0.00000E+00
2833	9.56983E-05	2.71179E-05	-5.46692E-05	-8.89376E-06	-2.53426E-05	0.00000E+00
2834	9.89384E-05	2.65028E-05	-5.04543E-05	-9.75003E-06	-2.34586E-05	0.00000E+00
2835	1.02070E-04	2.63862E-05	-4.58717E-05	-1.05210E-05	-2.13550E-05	0.00000E+00
2836	1.05146E-04	2.58513E-05	-4.09577E-05	-1.12074E-05	-1.91106E-05	0.00000E+00
2837	1.08117E-04	2.58028E-05	-3.57553E-05	-1.18067E-05	-1.66816E-05	0.00000E+00
2838	1.11029E-04	2.53667E-05	-3.03000E-05	-1.23254E-05	-1.41626E-05	0.00000E+00
2839	1.13851E-04	2.53597E-05	-2.46297E-05	-1.27718E-05	-1.14987E-05	0.00000E+00
2840	1.16646E-04	2.50433E-05	-1.87672E-05	-1.31634E-05	-8.79467E-06	0.00000E+00
2841	1.19384E-04	2.50454E-05	-1.27319E-05	-1.35048E-05	-6.02531E-06	0.00000E+00
2842	1.22198E-04	2.48680E-05	-6.54739E-06	-1.36477E-05	-3.09994E-06	0.00000E+00
2843	1.24928E-04	2.48809E-05	-3.71011E-07	1.35521E-05	-1.02951E-06	-6.03332E-06

2844	1.25414E-04	2.98210E-05	-2.47946E-07	-7.40867E-06	1.35412E-05	0.00000E+00
2845	1.25700E-04	3.48181E-05	-3.89952E-07	-9.74039E-06	1.36156E-05	0.00000E+00
2846	1.26097E-04	3.98510E-05	-1.06550E-07	-1.20937E-05	1.37375E-05	0.00000E+00
2847	1.26148E-04	4.49372E-05	-4.84529E-07	-1.35489E-05	1.43020E-05	0.00000E+00
2848	2.07862E-05	9.23810E-06	-1.65315E-05	-1.79265E-05	-6.25808E-06	0.00000E+00
2849	2.63157E-05	1.43115E-05	-2.14685E-05	-1.72590E-05	-8.87828E-06	0.00000E+00
2850	3.40830E-05	1.44397E-05	-2.62663E-05	-1.70263E-05	-1.14428E-05	0.00000E+00
2851	1.85095E-05	1.22152E-05	-1.77156E-05	-1.70842E-05	-6.33445E-06	0.00000E+00
2852	4.16883E-05	1.62706E-05	-2.92367E-05	-1.66059E-05	-1.38972E-05	0.00000E+00
2853	4.90824E-05	1.64291E-05	-3.26431E-05	-1.61229E-05	-1.61799E-05	0.00000E+00
2854	5.62554E-05	1.80235E-05	-3.47906E-05	-1.56403E-05	-1.82756E-05	0.00000E+00
2855	6.32167E-05	1.82185E-05	-3.69971E-05	-1.51920E-05	-2.01935E-05	0.00000E+00
2856	6.99869E-05	1.95602E-05	-3.83439E-05	-1.47947E-05	-2.19548E-05	0.00000E+00
2857	7.65909E-05	1.98133E-05	-3.95159E-05	-1.44486E-05	-2.35811E-05	0.00000E+00
2858	8.30490E-05	2.08801E-05	-4.00912E-05	-1.41219E-05	-2.50778E-05	0.00000E+00
2859	9.89341E-05	2.13523E-05	-4.02701E-05	-1.41335E-05	-2.64437E-05	0.00000E+00
2860	8.93563E-05	2.12118E-05	-4.03838E-05	-1.37104E-05	-2.64050E-05	0.00000E+00
2861	1.22336E-04	2.54288E-05	-3.53229E-05	-3.47641E-06	-2.54690E-05	0.00000E+00
2862	1.14839E-04	2.45234E-05	-3.36847E-05	-3.61964E-06	-2.38735E-05	0.00000E+00
2863	1.16426E-04	2.47084E-05	-3.17468E-05	-3.31077E-06	-2.22039E-05	0.00000E+00
2864	1.13111E-04	2.40237E-05	-3.54219E-05	-3.98890E-06	-2.54255E-05	0.00000E+00
2865	1.17873E-04	2.51487E-05	-2.95820E-05	-2.97719E-06	-2.04504E-05	0.00000E+00
2866	1.19158E-04	2.52877E-05	-2.72195E-05	-2.59369E-06	-1.86094E-05	0.00000E+00
2867	1.20259E-04	2.56661E-05	-2.46950E-05	-2.16100E-06	-1.66651E-05	0.00000E+00
2868	1.21155E-04	2.57637E-05	-2.19811E-05	-1.69286E-06	-1.46009E-05	0.00000E+00
2869	1.21835E-04	2.60734E-05	-1.91649E-05	-1.21525E-06	-1.24089E-05	0.00000E+00
2870	1.22303E-04	2.61380E-05	-1.61694E-05	-7.77187E-07	-1.00987E-05	0.00000E+00
2871	1.22593E-04	2.63710E-05	-1.31263E-05	-4.75720E-07	-7.71268E-06	0.00000E+00
2872	1.24721E-04	2.90198E-05	-9.94562E-06	3.07155E-07	-5.29554E-06	0.00000E+00
2873	1.22798E-04	2.64105E-05	-9.91778E-06	-4.97658E-07	-5.34596E-06	0.00000E+00
2874	-1.35102E-06	2.28195E-06	3.09333E-07	8.26675E-07	-2.61734E-05	0.00000E+00
2875	-2.05979E-06	1.16036E-05	1.82570E-06	-1.34059E-06	-2.50648E-05	0.00000E+00
2876	1.29387E-05	8.53702E-06	-2.18807E-05	-1.81281E-05	-5.75098E-06	0.00000E+00
2877	1.08021E-05	1.79982E-05	-2.09791E-05	-1.71721E-05	-5.91923E-06	0.00000E+00
2878	-2.11035E-06	2.01224E-05	5.29746E-07	-5.16788E-06	-2.17267E-05	0.00000E+00
2879	8.70844E-06	2.47744E-05	-2.23773E-05	-1.53224E-05	-5.82699E-06	0.00000E+00
2880	-3.35018E-06	2.73980E-05	1.20068E-06	-8.47463E-06	-1.87515E-05	0.00000E+00
2881	-3.55169E-06	3.38483E-05	6.81052E-07	-1.84345E-05	-9.32186E-07	-1.03495E-05
2882	7.43097E-07	3.40087E-05	-7.86770E-06	1.90521E-05	-3.39518E-06	0.00000E+00
2883	5.73685E-06	3.31133E-05	-1.62955E-05	1.78534E-05	-6.94067E-06	0.00000E+00
2884	1.04275E-05	3.34848E-05	-2.39574E-05	1.58972E-05	-1.00320E-05	0.00000E+00
2885	1.59068E-05	2.69096E-05	-3.08662E-05	-1.60562E-05	-8.53147E-06	0.00000E+00
2886	1.55084E-05	3.22620E-05	3.07073E-05	1.39783E-05	-1.28811E-05	0.00000E+00
2887	2.32768E-05	2.65927E-05	-4.05052E-05	-1.62391E-05	-1.15297E-05	0.00000E+00
2888	2.04168E-05	3.26743E-05	-3.66468E-05	1.22648E-05	-1.55084E-05	0.00000E+00
2889	3.06297E-05	2.84127E-05	-4.77843E-05	-1.61019E-05	-1.45496E-05	0.00000E+00
2890	2.55097E-05	3.14003E-05	-4.18319E-05	1.07258E-05	-1.79372E-05	0.00000E+00
2891	3.78721E-05	2.82526E-05	-5.54127E-05	-1.58244E-05	-1.74748E-05	0.00000E+00
2892	3.04978E-05	3.17280E-05	-4.63565E-05	9.25724E-06	-2.01777E-05	0.00000E+00
2893	4.49683E-05	2.98114E-05	-6.12880E-05	-1.54863E-05	-2.02220E-05	0.00000E+00
2894	3.55660E-05	3.05556E-05	-5.02069E-05	7.81040E-06	-2.22033E-05	0.00000E+00
2895	5.19015E-05	2.97590E-05	-6.70616E-05	-1.51287E-05	-2.27873E-05	0.00000E+00
2896	4.05651E-05	3.07326E-05	-5.34222E-05	6.39914E-06	-2.40068E-05	0.00000E+00
2897	5.86715E-05	3.10782E-05	-7.14715E-05	-1.47771E-05	-2.51636E-05	0.00000E+00
2898	4.55947E-05	2.97006E-05	-5.59952E-05	5.02344E-06	-2.55631E-05	0.00000E+00
2899	6.52842E-05	3.11371E-05	-7.55013E-05	-1.44471E-05	-2.73766E-05	0.00000E+00
2900	5.05701E-05	2.97064E-05	-5.79658E-05	3.69590E-06	-2.68596E-05	0.00000E+00
2901	7.17535E-05	3.22059E-05	-7.84109E-05	-1.41457E-05	-2.94386E-05	0.00000E+00
2902	5.55546E-05	2.88240E-05	-5.93356E-05	2.40062E-06	-2.78760E-05	0.00000E+00
2903	7.80921E-05	3.23879E-05	-8.07842E-05	-1.38604E-05	-3.13658E-05	0.00000E+00
2904	6.04832E-05	2.86640E-05	-6.01251E-05	1.09292E-06	-2.85960E-05	0.00000E+00
2905	8.43044E-05	3.32020E-05	-8.21830E-05	-1.35356E-05	-3.31220E-05	0.00000E+00

2906	6.54001E-05	2.79313E-05	-6.03002E-05	-2.63848E-07	-2.90273E-05	0.00000E+00
2907	9.03514E-05	3.35259E-05	-8.29718E-05	-1.29943E-05	-3.45880E-05	0.00000E+00
2908	7.01934E-05	2.76345E-05	-5.98792E-05	-1.48736E-06	-2.92701E-05	0.00000E+00
2909	7.49740E-05	2.70406E-05	-5.90182E-05	2.04907E-06	-2.94258E-05	-8.18593E-06
2910	8.65011E-05	2.77547E-05	-5.90671E-05	-8.15827E-06	1.79931E-06	0.00000E+00
2911	7.85563E-05	2.66845E-05	-5.79577E-05	-2.82928E-06	-2.89701E-05	0.00000E+00
2912	9.81981E-05	2.83748E-05	-5.91845E-05	-8.27763E-06	1.72329E-06	0.00000E+00
2913	8.21506E-05	2.61246E-05	-5.64259E-05	-3.97077E-06	-2.84103E-05	0.00000E+00
2914	8.55938E-05	2.58549E-05	-5.43870E-05	-5.02822E-06	-2.76611E-05	0.00000E+00
2915	1.09528E-04	2.90068E-05	-5.96630E-05	-8.44084E-06	1.78641E-06	0.00000E+00
2916	1.02899E-04	3.32304E-05	-8.27835E-05	-1.40116E-05	-3.44991E-05	0.00000E+00
2917	1.20654E-04	2.96570E-05	-6.00023E-05	-8.53535E-06	1.79828E-06	0.00000E+00
2918	1.15422E-04	3.27852E-05	-8.25944E-05	-1.44329E-05	-3.46016E-05	0.00000E+00
2919	8.90250E-05	2.52912E-05	-5.18994E-05	-5.95125E-06	-2.66516E-05	0.00000E+00
2920	9.23508E-05	2.51021E-05	-4.90180E-05	-6.77247E-06	-2.53701E-05	0.00000E+00
2921	9.56567E-05	2.45720E-05	-4.57820E-05	-7.52681E-06	-2.38552E-05	0.00000E+00
2922	9.88570E-05	2.44581E-05	-4.22181E-05	-8.22149E-06	-2.21194E-05	0.00000E+00
2923	1.02018E-04	2.39847E-05	-3.83552E-05	-8.85133E-06	-2.02015E-05	0.00000E+00
2924	1.05075E-04	2.39295E-05	-3.42221E-05	-9.41327E-06	-1.81142E-05	0.00000E+00
2925	1.08081E-04	2.35292E-05	-2.98512E-05	-9.90765E-06	-1.58977E-05	0.00000E+00
2926	1.10992E-04	2.35119E-05	-2.52707E-05	-1.03374E-05	-1.35589E-05	0.00000E+00
2927	1.13862E-04	2.31988E-05	-2.05100E-05	-1.07093E-05	-1.11322E-05	0.00000E+00
2928	1.16657E-04	2.31970E-05	-1.55907E-05	-1.10341E-05	-8.59121E-06	0.00000E+00
2929	1.19474E-04	2.29852E-05	-1.05365E-05	-1.12901E-05	-5.95981E-06	0.00000E+00
2930	1.22233E-04	2.29830E-05	-5.38877E-06	-1.14439E-05	-3.01327E-06	0.00000E+00
2931	1.25113E-04	2.28896E-05	-2.03182E-07	1.13314E-05	-9.91319E-07	-6.41529E-06
2932	1.25406E-04	2.69615E-05	-2.52405E-07	-7.98638E-06	1.12067E-05	0.00000E+00
2933	1.25833E-04	3.10225E-05	-1.13139E-07	-1.06838E-05	1.12698E-05	0.00000E+00
2934	1.25992E-04	3.51244E-05	-3.03159E-07	-1.34635E-05	1.13754E-05	0.00000E+00
2935	1.26231E-04	3.92540E-05	-6.88961E-08	-1.50471E-05	1.14039E-05	0.00000E+00
2936	1.23664E-05	6.49406E-06	-1.23522E-05	-1.68259E-05	-3.86002E-06	0.00000E+00
2937	1.09262E-05	1.21878E-05	-1.13615E-05	-1.60229E-05	-4.03811E-06	0.00000E+00
2938	2.30883E-05	1.69669E-05	-2.23566E-05	-1.51104E-05	-9.06852E-06	0.00000E+00
2939	2.99169E-05	1.84899E-05	-2.58027E-05	-1.49420E-05	-1.16589E-05	0.00000E+00
2940	1.62220E-05	1.73760E-05	-1.68856E-05	-1.49943E-05	-6.45690E-06	0.00000E+00
2941	3.66282E-05	1.81701E-05	-2.98177E-05	-1.46574E-05	-1.41175E-05	0.00000E+00
2942	9.49497E-06	1.56208E-05	-1.26591E-05	-1.43226E-05	-4.07171E-06	0.00000E+00
2943	4.31951E-05	1.94820E-05	-3.24009E-05	-1.43332E-05	-1.63833E-05	0.00000E+00
2944	4.96104E-05	1.92354E-05	-3.51632E-05	-1.40068E-05	-1.84553E-05	0.00000E+00
2945	5.58799E-05	2.03370E-05	-3.68999E-05	-1.36992E-05	-2.03409E-05	0.00000E+00
2946	6.20151E-05	2.01822E-05	-3.85771E-05	-1.34220E-05	-2.20667E-05	0.00000E+00
2947	6.80320E-05	2.10542E-05	-3.95036E-05	-1.31784E-05	-2.36554E-05	0.00000E+00
2948	7.39460E-05	2.10117E-05	-4.02413E-05	-1.29548E-05	-2.51240E-05	0.00000E+00
2949	7.97625E-05	2.16440E-05	-4.04108E-05	-1.26999E-05	-2.64487E-05	0.00000E+00
2950	1.05394E-04	2.20025E-05	-4.01231E-05	-1.32515E-05	-2.75230E-05	0.00000E+00
2951	9.54339E-05	2.19785E-05	-4.02325E-05	-1.29609E-05	-2.74357E-05	0.00000E+00
2952	8.54498E-05	2.17355E-05	-4.03397E-05	-1.22532E-05	-2.75183E-05	0.00000E+00
2953	1.20895E-04	2.47085E-05	-3.68301E-05	-4.22081E-06	-2.68302E-05	0.00000E+00
2954	1.11183E-04	2.37992E-05	-3.68679E-05	-4.62918E-06	-2.67504E-05	0.00000E+00
2955	1.06179E-04	2.29723E-05	-3.37388E-05	-4.94882E-06	-2.38784E-05	0.00000E+00
2956	1.08373E-04	2.32665E-05	-3.17777E-05	-4.70784E-06	-2.22294E-05	0.00000E+00
2957	1.03881E-04	2.29469E-05	-3.54494E-05	-5.20730E-06	-2.54273E-05	0.00000E+00
2958	1.10454E-04	2.32645E-05	-2.96156E-05	-4.43997E-06	-2.05036E-05	0.00000E+00
2959	1.01455E-04	2.26152E-05	-3.69399E-05	-5.61337E-06	-2.67885E-05	0.00000E+00
2960	1.12405E-04	2.35264E-05	-2.72555E-05	-4.13507E-06	-1.86876E-05	0.00000E+00
2961	1.14208E-04	2.35066E-05	-2.47109E-05	-3.79638E-06	-1.67660E-05	0.00000E+00
2962	1.15851E-04	2.37314E-05	-2.20213E-05	-3.43411E-06	-1.47193E-05	0.00000E+00
2963	1.17326E-04	2.37014E-05	-1.91648E-05	-3.06491E-06	-1.25404E-05	0.00000E+00
2964	1.18633E-04	2.38806E-05	-1.62127E-05	-2.71939E-06	-1.02335E-05	0.00000E+00
2965	1.19794E-04	2.38494E-05	-1.31122E-05	-2.45992E-06	-7.83844E-06	0.00000E+00
2966	1.20867E-04	2.39752E-05	-9.96204E-06	-2.42017E-06	-5.44742E-06	0.00000E+00
2967	1.24243E-04	2.91028E-05	-6.64523E-06	-4.79564E-07	-3.01308E-06	0.00000E+00

2968	1.23127E-04	2.65586E-05	-6.71316E-06	-1.18566E-06	-3.15746E-06	0.00000E+00
2969	1.21999E-04	2.39502E-05	-6.68619E-06	-2.86453E-06	-3.24732E-06	0.00000E+00
2970	-1.55750E-06	2.57438E-06	1.85534E-06	-2.90070E-06	-2.42756E-05	0.00000E+00
2971	-1.16818E-06	1.11024E-05	1.50560E-07	-1.83947E-06	-2.25548E-05	0.00000E+00
2972	-2.32284E-06	1.84735E-05	1.47451E-06	-5.47982E-06	-1.82712E-05	0.00000E+00
2973	2.20280E-05	1.20472E-05	-3.04461E-05	-1.93733E-05	-8.42164E-06	0.00000E+00
2974	1.89646E-05	1.82497E-05	-3.16930E-05	-1.84355E-05	-8.49070E-06	0.00000E+00
2975	-2.48289E-06	2.43548E-05	6.25057E-07	-8.51859E-06	-1.60698E-05	0.00000E+00
2976	-3.24293E-06	3.01597E-05	8.31608E-07	-1.63388E-05	-6.06594E-07	-1.01128E-05
2977	1.45833E-06	2.94874E-05	-6.72855E-06	1.65028E-05	-2.88794E-06	0.00000E+00
2978	5.99796E-06	2.97878E-05	-1.39117E-05	1.52537E-05	-6.10082E-06	0.00000E+00
2979	1.09562E-05	2.87117E-05	-2.04443E-05	1.35569E-05	-9.26157E-06	0.00000E+00
2980	1.57650E-05	2.91485E-05	-2.61750E-05	1.18105E-05	-1.19178E-05	0.00000E+00
2981	2.74082E-05	2.08762E-05	-3.95431E-05	-1.87146E-05	-1.13913E-05	0.00000E+00
2982	2.08090E-05	2.79161E-05	-3.11709E-05	1.02757E-05	-1.46784E-05	0.00000E+00
2983	3.58513E-05	2.13470E-05	-4.82085E-05	-1.85508E-05	-1.43689E-05	0.00000E+00
2984	2.57322E-05	2.83463E-05	-3.55069E-05	8.90999E-06	-1.68430E-05	0.00000E+00
2985	4.41535E-05	2.36674E-05	-5.47715E-05	-1.81596E-05	-1.72747E-05	0.00000E+00
2986	3.07688E-05	2.71822E-05	-3.92450E-05	7.58765E-06	-1.91247E-05	0.00000E+00
2987	5.22494E-05	2.42411E-05	-6.14810E-05	-1.76745E-05	-2.00307E-05	0.00000E+00
2988	3.57353E-05	2.75047E-05	-4.23870E-05	6.31875E-06	-2.09309E-05	0.00000E+00
2989	6.01169E-05	2.63148E-05	-6.66308E-05	-1.71648E-05	-2.26108E-05	0.00000E+00
2990	4.07459E-05	2.64756E-05	-4.49705E-05	5.08470E-06	-2.27592E-05	0.00000E+00
2991	6.77555E-05	2.69763E-05	-7.15172E-05	-1.66706E-05	-2.50151E-05	0.00000E+00
2992	4.57092E-05	2.66503E-05	-4.70017E-05	3.90593E-06	-2.41479E-05	0.00000E+00
2993	7.51788E-05	2.87987E-05	-7.52057E-05	-1.62139E-05	-2.72585E-05	0.00000E+00
2994	5.06863E-05	2.57792E-05	-4.85187E-05	2.77725E-06	-2.54868E-05	0.00000E+00
2995	8.24065E-05	2.95574E-05	-7.83747E-05	-1.57990E-05	-2.93565E-05	0.00000E+00
2996	5.56211E-05	2.57967E-05	-4.95359E-05	1.70088E-06	-2.64116E-05	0.00000E+00
2997	8.94555E-05	3.11098E-05	-8.05634E-05	-1.53947E-05	-3.13095E-05	0.00000E+00
2998	6.05520E-05	2.50889E-05	-5.00791E-05	6.33524E-07	-2.71997E-05	0.00000E+00
2999	9.63159E-05	3.19797E-05	-8.21140E-05	-1.48900E-05	-3.30697E-05	0.00000E+00
3000	6.54253E-05	2.49664E-05	-5.01318E-05	-4.78575E-07	-2.75365E-05	0.00000E+00
3001	7.02438E-05	2.44103E-05	-4.96576E-05	-1.63105E-06	-2.76828E-05	0.00000E+00
3002	7.49448E-05	2.41783E-05	-4.87563E-05	1.90140E-06	-2.75863E-05	-8.17436E-06
3003	8.58961E-05	2.47919E-05	-4.87008E-05	-8.24842E-06	1.66039E-06	0.00000E+00
3004	7.85741E-05	2.37354E-05	-4.78402E-05	-2.44963E-06	-2.73642E-05	0.00000E+00
3005	9.67503E-05	2.53796E-05	-4.88789E-05	-8.42250E-06	1.63429E-06	0.00000E+00
3006	8.20889E-05	2.35123E-05	-4.64823E-05	-3.47398E-06	-2.69078E-05	0.00000E+00
3007	1.07587E-04	2.59661E-05	-4.90896E-05	-8.43604E-06	1.68002E-06	0.00000E+00
3008	8.55632E-05	2.30648E-05	-4.46946E-05	-4.31666E-06	-2.61516E-05	0.00000E+00
3009	8.89384E-05	2.29097E-05	-4.25621E-05	-5.02650E-06	-2.51262E-05	0.00000E+00
3010	1.18083E-04	2.65811E-05	-4.96696E-05	-8.49859E-06	1.70743E-06	0.00000E+00
3011	1.08311E-04	3.12630E-05	-8.18741E-05	-1.54592E-05	-3.31185E-05	0.00000E+00
3012	9.22955E-05	2.24707E-05	-4.01323E-05	-5.66139E-06	-2.38567E-05	0.00000E+00
3013	9.55589E-05	2.23727E-05	-3.74296E-05	-6.24978E-06	-2.23845E-05	0.00000E+00
3014	9.87916E-05	2.19697E-05	-3.44735E-05	-6.79371E-06	-2.07273E-05	0.00000E+00
3015	1.01930E-04	2.19179E-05	-3.12828E-05	-7.28994E-06	-1.88986E-05	0.00000E+00
3016	1.05022E-04	2.15668E-05	-2.78800E-05	-7.73598E-06	-1.69217E-05	0.00000E+00
3017	1.08023E-04	2.15461E-05	-2.42858E-05	-8.13188E-06	-1.48095E-05	0.00000E+00
3018	1.10975E-04	2.12575E-05	-2.05236E-05	-8.47817E-06	-1.25888E-05	0.00000E+00
3019	1.13848E-04	2.12504E-05	-1.66141E-05	-8.77725E-06	-1.02659E-05	0.00000E+00
3020	1.16698E-04	2.10338E-05	-1.25837E-05	-9.01759E-06	-7.85495E-06	0.00000E+00
3021	1.19497E-04	2.10305E-05	-8.46462E-06	-9.20107E-06	-5.37843E-06	0.00000E+00
3022	1.22347E-04	2.09033E-05	-4.29802E-06	-9.27623E-06	-2.68442E-06	0.00000E+00
3023	1.25171E-04	2.08684E-05	-1.61264E-07	9.07048E-06	-7.86168E-07	-6.37503E-06
3024	1.25558E-04	2.40434E-05	-9.94379E-08	-7.64198E-06	8.89229E-06	0.00000E+00
3025	1.25805E-04	2.71966E-05	-1.72973E-07	-9.86314E-06	8.97184E-06	0.00000E+00
3026	1.26131E-04	3.03941E-05	-5.22218E-08	-1.20962E-05	9.07209E-06	0.00000E+00
3027	1.26218E-04	3.36032E-05	-1.60441E-07	-1.34015E-05	8.62904E-06	0.00000E+00
3028	4.88294E-06	5.95678E-06	-5.49847E-06	-1.36932E-05	-2.21364E-06	0.00000E+00
3029	4.09755E-06	9.43094E-06	-7.22444E-06	-1.35759E-05	-2.58329E-06	0.00000E+00

3030	3.24886E-06	1.65570E-05	-5.50486E-06	-1.24144E-05	-2.38980E-06	0.00000E+00
3031	1.97479E-05	2.16079E-05	-2.18213E-05	-1.29184E-05	-9.57045E-06	0.00000E+00
3032	2.56213E-05	2.07987E-05	-2.63374E-05	-1.28556E-05	-1.22158E-05	0.00000E+00
3033	1.38657E-05	2.04971E-05	-1.76600E-05	-1.28267E-05	-6.89351E-06	0.00000E+00
3034	3.14370E-05	2.17701E-05	-2.94891E-05	-1.27314E-05	-1.46314E-05	0.00000E+00
3035	8.05723E-06	2.14556E-05	-1.17116E-05	-1.23529E-05	-4.23625E-06	0.00000E+00
3036	3.71866E-05	2.10589E-05	-3.27447E-05	-1.25760E-05	-1.68676E-05	0.00000E+00
3037	2.59317E-06	2.07074E-05	-6.08329E-06	-1.12830E-05	-2.31539E-06	0.00000E+00
3038	4.28579E-05	2.18695E-05	-3.49732E-05	-1.24151E-05	-1.88720E-05	0.00000E+00
3039	4.84541E-05	2.12787E-05	-3.71193E-05	-1.22555E-05	-2.06946E-05	0.00000E+00
3040	5.39749E-05	2.19070E-05	-3.84734E-05	-1.21070E-05	-2.23331E-05	0.00000E+00
3041	5.94275E-05	2.14564E-05	-3.96445E-05	-1.19714E-05	-2.38283E-05	0.00000E+00
3042	6.48165E-05	2.18902E-05	-4.01901E-05	-1.18441E-05	-2.51924E-05	0.00000E+00
3043	7.01463E-05	2.15949E-05	-4.05046E-05	-1.17068E-05	-2.64427E-05	0.00000E+00
3044	7.54135E-05	2.18548E-05	-4.03316E-05	-1.15113E-05	-2.75196E-05	0.00000E+00
3045	1.11210E-04	2.28262E-05	-3.97249E-05	-1.14722E-05	-2.81603E-05	0.00000E+00
3046	1.01047E-04	2.24144E-05	-3.98558E-05	-1.14354E-05	-2.79866E-05	0.00000E+00
3047	9.08590E-05	2.21554E-05	-3.98921E-05	-1.12136E-05	-2.81517E-05	0.00000E+00
3048	8.05595E-05	2.16934E-05	-3.98830E-05	-1.08719E-05	-2.82610E-05	0.00000E+00
3049	1.18904E-04	2.42961E-05	-3.80108E-05	-5.77386E-06	-2.77937E-05	0.00000E+00
3050	1.08863E-04	2.32247E-05	-3.81611E-05	-5.93924E-06	-2.76407E-05	0.00000E+00
3051	9.87916E-05	2.25346E-05	-3.81917E-05	-6.47002E-06	-2.77722E-05	0.00000E+00
3052	9.75141E-05	2.17248E-05	-3.37445E-05	-6.23314E-06	-2.38767E-05	0.00000E+00
3053	1.00301E-04	2.15608E-05	-3.17926E-05	-6.05635E-06	-2.23165E-05	0.00000E+00
3054	9.46492E-05	2.16093E-05	-3.54744E-05	-6.40533E-06	-2.53679E-05	0.00000E+00
3055	1.02999E-04	2.16753E-05	-2.96226E-05	-5.86080E-06	-2.06562E-05	0.00000E+00
3056	9.17054E-05	2.17477E-05	-3.69573E-05	-6.62291E-06	-2.67181E-05	0.00000E+00
3057	1.05600E-04	2.15136E-05	-2.72611E-05	-5.64141E-06	-1.89069E-05	0.00000E+00
3058	8.86367E-05	2.16580E-05	-3.81601E-05	-7.15180E-06	-2.77873E-05	0.00000E+00
3059	1.08092E-04	2.16234E-05	-2.47224E-05	-5.40293E-06	-1.70288E-05	0.00000E+00
3060	1.10472E-04	2.14744E-05	-2.20187E-05	-5.15061E-06	-1.50285E-05	0.00000E+00
3061	1.12733E-04	2.15708E-05	-1.91803E-05	-4.89532E-06	-1.28807E-05	0.00000E+00
3062	1.14879E-04	2.14429E-05	-1.62032E-05	-4.65290E-06	-1.06031E-05	0.00000E+00
3063	1.16917E-04	2.15164E-05	-1.31314E-05	-4.45618E-06	-8.20439E-06	0.00000E+00
3064	1.18880E-04	2.14186E-05	-9.94670E-06	-4.37774E-06	-5.77794E-06	0.00000E+00
3065	1.20842E-04	2.14631E-05	-6.70689E-06	-4.59601E-06	-3.47581E-06	0.00000E+00
3066	1.24453E-04	2.92454E-05	-3.40848E-06	-2.71609E-06	-1.10345E-06	0.00000E+00
3067	1.23999E-04	2.65769E-05	-3.36475E-06	-3.17613E-06	-1.52089E-06	0.00000E+00
3068	1.23500E-04	2.40165E-05	-3.40820E-06	-4.26175E-06	-1.66723E-06	0.00000E+00
3069	1.22993E-04	2.14061E-05	-3.38810E-06	-5.32084E-06	-1.77956E-06	0.00000E+00
3070	0.00000E+00	0.00000E+00	0.00000E+00	-2.87747E-05	-2.80530E-06	-7.10746E-06
3071	-1.43081E-06	1.05602E-05	1.81177E-06	-2.11727E-05	-2.20119E-06	-8.11566E-06
3072	-1.62297E-06	1.58249E-05	3.95515E-07	-1.44965E-05	-1.47251E-06	-8.83134E-06
3073	-2.30280E-06	2.12113E-05	1.00748E-06	-1.40995E-05	-1.53756E-06	-9.72159E-06
3074	3.15253E-05	1.31311E-05	-4.00119E-05	-1.97582E-05	-1.13663E-05	0.00000E+00
3075	-2.59848E-06	2.59535E-05	6.10625E-07	-1.35221E-05	-1.03120E-06	-1.01329E-05
3076	1.77974E-06	2.61946E-05	-5.66961E-06	-1.41482E-05	-2.66045E-06	-1.07416E-05
3077	6.51883E-06	2.52295E-05	-1.19243E-05	-1.28628E-05	-5.11955E-06	-1.15199E-05
3078	1.12465E-05	2.56290E-05	-1.72618E-05	-1.13055E-05	-7.89366E-06	-1.18349E-05
3079	1.61659E-05	2.43800E-05	-2.21328E-05	-9.68878E-06	-1.05560E-05	-1.19737E-05
3080	2.10464E-05	2.48998E-05	-2.60475E-05	-8.33545E-06	-1.31301E-05	-1.19493E-05
3081	4.10511E-05	1.62095E-05	-4.73304E-05	-1.95835E-05	-1.43651E-05	0.00000E+00
3082	2.60119E-05	2.37296E-05	-2.96943E-05	-7.18262E-06	-1.54547E-05	-1.19175E-05
3083	5.04075E-05	1.74358E-05	-5.49456E-05	-1.91496E-05	-1.72812E-05	0.00000E+00
3084	3.09482E-05	2.41801E-05	-3.25418E-05	-5.95961E-06	-1.76016E-05	-1.18268E-05
3085	5.95041E-05	2.02626E-05	-6.08765E-05	-1.86050E-05	-2.00435E-05	0.00000E+00
3086	3.59158E-05	2.31397E-05	-3.51019E-05	-4.91018E-06	-1.95139E-05	-1.17469E-05
3087	6.83081E-05	2.15557E-05	-6.66024E-05	-1.80327E-05	-2.26272E-05	0.00000E+00
3088	4.08619E-05	2.34660E-05	-3.69753E-05	-3.80668E-06	-2.12335E-05	-1.16456E-05
3089	7.68200E-05	2.41317E-05	-7.11040E-05	-1.74792E-05	-2.50345E-05	0.00000E+00
3090	4.58126E-05	2.25873E-05	-3.85543E-05	-2.84244E-06	-2.27442E-05	-1.15549E-05
3091	8.50582E-05	2.54945E-05	-7.50496E-05	-1.69695E-05	-2.72801E-05	0.00000E+00

3092	5.07441E-05	2.27678E-05	-3.95383E-05	-1.85951E-06	-2.40738E-05	-1.14601E-05
3093	9.30488E-05	2.78061E-05	-7.80824E-05	-1.65062E-05	-2.93812E-05	0.00000E+00
3094	5.56668E-05	2.20661E-05	-4.02407E-05	-1.00034E-06	-2.52232E-05	-1.13674E-05
3095	1.00808E-04	2.92505E-05	-8.03482E-05	-1.60477E-05	-3.13401E-05	0.00000E+00
3096	6.05637E-05	2.21016E-05	-4.04334E-05	-1.12539E-07	-2.62117E-05	-1.12590E-05
3097	6.54344E-05	2.15713E-05	-4.03490E-05	7.13690E-07	-2.70154E-05	-1.11014E-05
3098	7.02624E-05	2.14724E-05	-3.97973E-05	1.58493E-06	-2.74608E-05	-1.06857E-05
3099	7.48915E-05	2.11348E-05	-3.89985E-05	1.81551E-06	-2.73239E-05	-8.68774E-06
3100	7.85415E-05	2.10086E-05	-3.81107E-05	2.21678E-06	-2.70200E-05	-7.50589E-06
3101	8.51710E-05	2.17830E-05	-3.90458E-05	1.52464E-06	-2.83552E-05	-8.67822E-06
3102	9.55676E-05	2.22751E-05	-3.91022E-05	1.55196E-06	-2.82521E-05	-8.61609E-06
3103	8.20371E-05	2.06569E-05	-3.69326E-05	2.92227E-06	-2.62072E-05	-7.11575E-06
3104	1.05738E-04	2.29253E-05	-3.92176E-05	1.67122E-06	-2.79284E-05	-8.55257E-06
3105	8.54644E-05	2.05458E-05	-3.54609E-05	3.54683E-06	-2.51061E-05	-6.93673E-06
3106	1.15819E-04	2.34901E-05	-3.92980E-05	1.53210E-06	-2.80955E-05	-8.53354E-06
3107	8.88596E-05	2.02006E-05	-3.37285E-05	4.08488E-06	-2.38322E-05	-6.78345E-06
3108	9.21837E-05	2.01338E-05	-3.17732E-05	4.56187E-06	-2.24452E-05	-6.62704E-06
3109	9.54725E-05	1.98067E-05	-2.96074E-05	5.01374E-06	-2.09104E-05	-6.46129E-06
3110	9.86873E-05	1.97702E-05	-2.72450E-05	5.42326E-06	-1.92534E-05	-6.27622E-06
3111	1.01854E-04	1.94778E-05	-2.47080E-05	5.79851E-06	-1.74460E-05	-6.08254E-06
3112	1.04945E-04	1.94621E-05	-2.20069E-05	6.13285E-06	-1.55104E-05	-5.87736E-06
3113	1.07980E-04	1.92139E-05	-1.91669E-05	6.43181E-06	-1.34305E-05	-5.67414E-06
3114	1.10942E-04	1.92070E-05	-1.61957E-05	6.69210E-06	-1.12311E-05	-5.48215E-06
3115	1.13855E-04	1.90094E-05	-1.31197E-05	6.92027E-06	-8.91374E-06	-5.32082E-06
3116	1.16708E-04	1.90009E-05	-9.94325E-06	7.11287E-06	-6.54447E-06	-5.24705E-06
3117	1.19553E-04	1.88648E-05	-6.69560E-06	7.26820E-06	-4.22248E-06	-5.34465E-06
3118	1.22388E-04	1.88537E-05	-3.38633E-06	7.35383E-06	-2.14526E-06	-5.76872E-06
3119	1.25295E-04	1.87975E-05	-6.70380E-08	7.30265E-06	-9.48649E-07	-6.17252E-06
3120	1.25592E-04	2.14272E-05	-7.29258E-08	7.20937E-06	-1.08291E-06	-6.51367E-06
3121	1.25945E-04	2.40121E-05	-3.67928E-08	7.21570E-06	-1.01321E-06	-7.08882E-06
3122	1.26179E-04	2.66350E-05	-6.15146E-08	7.29477E-06	-7.84935E-07	-7.61066E-06
3123	1.26382E-04	2.92720E-05	0.00000E+00	7.25153E-06	-2.18532E-07	-7.98320E-06
3124	2.88796E-05	6.56728E-06	-6.16044E-06	-1.74869E-05	-7.58091E-06	0.00000E+00
3125	3.72292E-05	8.15034E-06	-6.25947E-06	-1.71259E-05	-1.00694E-05	0.00000E+00
3126	4.53236E-05	8.18831E-06	-7.28880E-06	-1.65668E-05	-1.23931E-05	0.00000E+00
3127	5.31025E-05	9.48471E-06	-7.14203E-06	-1.59500E-05	-1.45025E-05	0.00000E+00
3128	6.05576E-05	9.43186E-06	-7.47041E-06	-1.53449E-05	-1.63888E-05	0.00000E+00
3129	6.77060E-05	1.04406E-05	-7.15203E-06	-1.47850E-05	-1.80648E-05	0.00000E+00
3130	7.45771E-05	1.03389E-05	-7.00117E-06	-1.42847E-05	-1.95533E-05	0.00000E+00
3131	8.12034E-05	1.10623E-05	-6.57814E-06	-1.38412E-05	-2.08776E-05	0.00000E+00
3132	8.76085E-05	1.09571E-05	-6.13780E-06	-1.34204E-05	-2.20489E-05	0.00000E+00
3133	1.17686E-04	1.13752E-05	-2.28733E-06	-3.72114E-06	-2.02922E-05	0.00000E+00
3134	1.19025E-04	1.13723E-05	-1.91000E-06	-3.42419E-06	-1.88600E-05	0.00000E+00
3135	1.20216E-04	1.12567E-05	-1.62703E-06	-3.11919E-06	-1.73540E-05	0.00000E+00
3136	1.21247E-04	1.12326E-05	-1.31837E-06	-2.78052E-06	-1.57718E-05	0.00000E+00
3137	1.22099E-04	1.11410E-05	-1.12409E-06	-2.40575E-06	-1.41014E-05	0.00000E+00
3138	1.22755E-04	1.11086E-05	-8.55932E-07	-2.00333E-06	-1.23310E-05	0.00000E+00
3139	1.23204E-04	1.10557E-05	-7.43440E-07	-1.59253E-06	-1.04545E-05	0.00000E+00
3140	1.23450E-04	1.10231E-05	-4.72176E-07	-1.21421E-06	-8.47828E-06	0.00000E+00
3141	1.23529E-04	1.10189E-05	-4.34418E-07	-9.54601E-07	-6.43302E-06	0.00000E+00
3142	-9.05951E-07	7.48236E-07	2.14277E-06	6.89874E-07	-2.02875E-05	0.00000E+00
3143	-7.87122E-07	7.63139E-06	5.00362E-07	-3.78619E-06	-1.76005E-05	0.00000E+00
3144	-1.54788E-06	1.34582E-05	1.58925E-06	-5.98485E-06	-1.37318E-05	0.00000E+00
3145	-1.70242E-06	1.79615E-05	7.03159E-07	-8.29898E-06	-1.18780E-05	0.00000E+00
3146	-2.30930E-06	2.23498E-05	9.58967E-07	-1.19112E-05	-1.10643E-06	-9.67945E-06
3147	2.38407E-06	2.18016E-05	-4.56599E-06	1.18086E-05	-3.24489E-06	0.00000E+00
3148	6.86239E-06	2.21197E-05	-9.70350E-06	1.06784E-05	-6.39228E-06	0.00000E+00
3149	1.16937E-05	2.11374E-05	-1.42226E-05	9.20157E-06	-8.85125E-06	0.00000E+00
3150	1.64420E-05	2.16148E-05	-1.80377E-05	7.73279E-06	-1.14960E-05	0.00000E+00
3151	2.13435E-05	2.05153E-05	-2.12459E-05	6.51029E-06	-1.36044E-05	0.00000E+00
3152	2.62119E-05	2.10155E-05	-2.39389E-05	5.46133E-06	-1.59292E-05	0.00000E+00
3153	3.11374E-05	1.99991E-05	-2.61792E-05	4.46472E-06	-1.77296E-05	0.00000E+00

3154	3.60427E-05	2.04237E-05	-2.79748E-05	3.53407E-06	-1.95957E-05	0.00000E+00
3155	4.09631E-05	1.95523E-05	-2.93658E-05	2.64859E-06	-2.09981E-05	0.00000E+00
3156	4.58720E-05	1.98588E-05	-3.03611E-05	1.82453E-06	-2.23864E-05	0.00000E+00
3157	5.07730E-05	1.91563E-05	-3.09985E-05	1.05392E-06	-2.33513E-05	0.00000E+00
3158	5.56628E-05	1.93299E-05	-3.12923E-05	3.40807E-07	-2.42460E-05	0.00000E+00
3159	6.05303E-05	1.88001E-05	-3.12695E-05	-3.54839E-07	-2.47747E-05	0.00000E+00
3160	6.53646E-05	1.88392E-05	-3.09237E-05	-1.05709E-06	-2.52338E-05	0.00000E+00
3161	7.01315E-05	1.84936E-05	-3.02919E-05	-1.56891E-06	-2.53752E-05	0.00000E+00
3162	7.47446E-05	1.84140E-05	-2.95661E-05	1.55079E-06	-2.52940E-05	-7.66592E-06
3163	8.46979E-05	1.88375E-05	-2.96243E-05	-7.80854E-06	1.27363E-06	0.00000E+00
3164	7.83989E-05	1.81924E-05	-2.87637E-05	-1.91486E-06	-2.49425E-05	0.00000E+00
3165	8.18972E-05	1.81478E-05	-2.78313E-05	-2.31045E-06	-2.43511E-05	0.00000E+00
3166	9.45292E-05	1.93472E-05	-2.97427E-05	-7.94388E-06	1.43331E-06	0.00000E+00
3167	1.04402E-04	1.98860E-05	-2.98708E-05	-8.23071E-06	1.47397E-06	0.00000E+00
3168	8.53533E-05	1.78883E-05	-2.66913E-05	-2.79072E-06	-2.35802E-05	0.00000E+00
3169	1.13572E-04	2.04264E-05	-3.03076E-05	-8.34375E-06	1.44849E-06	0.00000E+00
3170	8.87241E-05	1.78533E-05	-2.53500E-05	-3.18829E-06	-2.26283E-05	0.00000E+00
3171	9.20752E-05	1.76043E-05	-2.38399E-05	-3.52791E-06	-2.14952E-05	0.00000E+00
3172	9.53483E-05	1.75922E-05	-2.21808E-05	-3.83980E-06	-2.01803E-05	0.00000E+00
3173	9.85915E-05	1.73641E-05	-2.03842E-05	-4.12471E-06	-1.86892E-05	0.00000E+00
3174	1.01756E-04	1.73640E-05	-1.84644E-05	-4.38142E-06	-1.70478E-05	0.00000E+00
3175	1.04880E-04	1.71655E-05	-1.64343E-05	-4.61040E-06	-1.52613E-05	0.00000E+00
3176	1.07927E-04	1.71673E-05	-1.43076E-05	-4.81315E-06	-1.33590E-05	0.00000E+00
3177	1.10930E-04	1.70021E-05	-1.20955E-05	-4.99244E-06	-1.13443E-05	0.00000E+00
3178	1.13862E-04	1.69961E-05	-9.80772E-06	-5.15444E-06	-9.25174E-06	0.00000E+00
3179	1.16772E-04	1.68676E-05	-7.44687E-06	-5.31369E-06	-7.07980E-06	0.00000E+00
3180	1.19627E-04	1.68475E-05	-5.00821E-06	-5.46524E-06	-4.89202E-06	0.00000E+00
3181	1.22533E-04	1.67617E-05	-2.49340E-06	-5.56082E-06	-2.51609E-06	0.00000E+00
3182	1.25366E-04	1.67554E-05	5.76102E-08	5.61137E-06	-8.68766E-07	-6.38920E-06
3183	1.25739E-04	1.88416E-05	7.44748E-08	-7.48512E-06	5.67461E-06	0.00000E+00
3184	1.25946E-04	2.09649E-05	1.16784E-07	-9.32670E-06	5.67513E-06	0.00000E+00
3185	1.26238E-04	2.30811E-05	8.69034E-08	-1.12042E-05	5.67620E-06	0.00000E+00
3186	1.26350E-04	2.52147E-05	1.18761E-07	-1.23096E-05	6.08663E-06	0.00000E+00
3187	2.04365E-05	6.44073E-06	-4.20226E-06	-1.73726E-05	-5.03950E-06	0.00000E+00
3188	2.61373E-05	8.16664E-06	-5.50819E-06	-1.66098E-05	-7.61158E-06	0.00000E+00
3189	3.35888E-05	7.97282E-06	-6.97557E-06	-1.62866E-05	-1.00785E-05	0.00000E+00
3190	1.86038E-05	6.65186E-06	-5.30380E-06	-1.65293E-05	-5.12169E-06	0.00000E+00
3191	4.08423E-05	9.23094E-06	-6.91369E-06	-1.57946E-05	-1.23929E-05	0.00000E+00
3192	4.78565E-05	9.00707E-06	-7.57504E-06	-1.52553E-05	-1.44976E-05	0.00000E+00
3193	5.46271E-05	1.00289E-05	-7.28539E-06	-1.47264E-05	-1.63811E-05	0.00000E+00
3194	6.11671E-05	9.80023E-06	-7.38323E-06	-1.42361E-05	-1.80550E-05	0.00000E+00
3195	6.74975E-05	1.05811E-05	-6.93949E-06	-1.37968E-05	-1.95415E-05	0.00000E+00
3196	7.36426E-05	1.03837E-05	-6.67473E-06	-1.34074E-05	-2.08634E-05	0.00000E+00
3197	7.96224E-05	1.09213E-05	-6.14334E-06	-1.30416E-05	-2.20300E-05	0.00000E+00
3198	9.37819E-05	1.14010E-05	-5.66203E-06	-1.29177E-05	-2.30436E-05	0.00000E+00
3199	8.54366E-05	1.07897E-05	-5.68534E-06	-1.26154E-05	-2.30129E-05	0.00000E+00
3200	1.16187E-04	1.14980E-05	-2.65768E-06	-4.08865E-06	-2.16279E-05	0.00000E+00
3201	1.10336E-04	1.11453E-05	-2.25311E-06	-4.20494E-06	-2.02661E-05	0.00000E+00
3202	1.12194E-04	1.10557E-05	-1.93111E-06	-3.93618E-06	-1.88369E-05	0.00000E+00
3203	1.08354E-04	1.11009E-05	-2.67869E-06	-4.52679E-06	-2.15930E-05	0.00000E+00
3204	1.13932E-04	1.10685E-05	-1.58353E-06	-3.65652E-06	-1.73320E-05	0.00000E+00
3205	1.15538E-04	1.09918E-05	-1.35261E-06	-3.34638E-06	-1.57501E-05	0.00000E+00
3206	1.16996E-04	1.09834E-05	-1.06259E-06	-3.00449E-06	-1.40801E-05	0.00000E+00
3207	1.18294E-04	1.09319E-05	-9.17601E-07	-2.63840E-06	-1.23106E-05	0.00000E+00
3208	1.19423E-04	1.09083E-05	-6.50598E-07	-2.26414E-06	-1.04360E-05	0.00000E+00
3209	1.20384E-04	1.08922E-05	-5.80939E-07	-1.91567E-06	-8.46502E-06	0.00000E+00
3210	1.21202E-04	1.08561E-05	-2.87955E-07	-1.66696E-06	-6.43328E-06	0.00000E+00
3211	1.23539E-04	1.09895E-05	-9.52740E-08	-9.86521E-07	-4.38615E-06	0.00000E+00
3212	1.21947E-04	1.08807E-05	-2.82767E-07	-1.66971E-06	-4.42221E-06	0.00000E+00
3213	1.26425E-04	2.01158E-05	1.63438E-07	-1.35936E-05	3.78648E-06	0.00000E+00
3214	1.23694E-04	1.10288E-05	-1.44783E-07	-1.61691E-06	-2.45840E-06	0.00000E+00
3215	1.26371E-04	1.50206E-05	4.52113E-07	-1.23012E-05	1.47549E-06	0.00000E+00

3216	1.24411E-04	1.09903E-05	3.62917E-07	-3.45260E-06	-8.57589E-07	0.00000E+00
3217	1.26551E-04	1.09715E-05	0.00000E+00	1.91263E-07	-1.32188E-07	-7.78140E-06
3218	-5.72017E-07	1.66545E-06	4.35637E-07	8.04069E-07	-1.47746E-05	0.00000E+00
3219	-9.29522E-07	6.89884E-06	1.93645E-06	-1.12661E-06	-1.39592E-05	0.00000E+00
3220	-9.58083E-07	1.15455E-05	6.53022E-07	-4.53123E-06	-1.15181E-05	0.00000E+00
3221	-1.54687E-06	1.52830E-05	1.36017E-06	-7.45415E-06	-9.30727E-06	0.00000E+00
3222	-1.63890E-06	1.83784E-05	8.73430E-07	-8.94394E-06	-9.56069E-07	-9.17519E-06
3223	2.64106E-06	1.85489E-05	-3.27627E-06	9.32240E-06	-3.20104E-06	0.00000E+00
3224	7.34491E-06	1.78310E-05	-7.36596E-06	8.49954E-06	-6.34254E-06	0.00000E+00
3225	1.19394E-05	1.82393E-05	-1.09194E-05	7.13591E-06	-9.03726E-06	0.00000E+00
3226	1.67764E-05	1.72695E-05	-1.38491E-05	5.85783E-06	-1.14939E-05	0.00000E+00
3227	2.15464E-05	1.77786E-05	-1.62555E-05	4.77231E-06	-1.37314E-05	0.00000E+00
3228	2.64255E-05	1.67949E-05	-1.81931E-05	3.85845E-06	-1.57695E-05	0.00000E+00
3229	3.12700E-05	1.72903E-05	-1.97557E-05	3.03818E-06	-1.76164E-05	0.00000E+00
3230	3.61552E-05	1.64266E-05	-2.09466E-05	2.27380E-06	-1.92474E-05	0.00000E+00
3231	4.10260E-05	1.68381E-05	-2.18169E-05	1.57434E-06	-2.06575E-05	0.00000E+00
3232	4.59012E-05	1.61348E-05	-2.23738E-05	9.35432E-07	-2.18258E-05	0.00000E+00
3233	5.07706E-05	1.64330E-05	-2.26650E-05	3.63063E-07	-2.27471E-05	0.00000E+00
3234	5.56251E-05	1.59027E-05	-2.27015E-05	-1.58281E-07	-2.34084E-05	0.00000E+00
3235	6.04670E-05	1.60797E-05	-2.25132E-05	-6.64755E-07	-2.38063E-05	0.00000E+00
3236	6.52712E-05	1.57218E-05	-2.20795E-05	-1.19795E-06	-2.39514E-05	0.00000E+00
3237	6.99851E-05	1.57863E-05	-2.14215E-05	-1.60568E-06	-2.39502E-05	0.00000E+00
3238	7.46500E-05	1.55851E-05	-2.06791E-05	1.46009E-06	-2.39430E-05	-7.64798E-06
3239	8.41037E-05	1.60944E-05	-2.07261E-05	-7.61935E-06	1.26837E-06	0.00000E+00
3240	7.82125E-05	1.55781E-05	-2.00482E-05	-1.48126E-06	-2.35110E-05	0.00000E+00
3241	9.36638E-05	1.65282E-05	-2.08250E-05	-7.79834E-06	1.20484E-06	0.00000E+00
3242	8.17652E-05	1.54181E-05	-1.93061E-05	-1.83903E-06	-2.30527E-05	0.00000E+00
3243	8.51906E-05	1.54306E-05	-1.84000E-05	-2.16335E-06	-2.24542E-05	0.00000E+00
3244	1.02900E-04	1.69701E-05	-2.11090E-05	-8.03809E-06	1.25100E-06	0.00000E+00
3245	1.11961E-04	1.74253E-05	-2.13319E-05	-8.17664E-06	1.25882E-06	0.00000E+00
3246	8.85965E-05	1.52623E-05	-1.73652E-05	-2.40069E-06	-2.16487E-05	0.00000E+00
3247	9.19239E-05	1.52831E-05	-1.62360E-05	-2.58828E-06	-2.06235E-05	0.00000E+00
3248	9.52328E-05	1.51238E-05	-1.50270E-05	-2.75479E-06	-1.94087E-05	0.00000E+00
3249	9.84656E-05	1.51470E-05	-1.37468E-05	-2.90864E-06	-1.80109E-05	0.00000E+00
3250	1.01669E-04	1.50053E-05	-1.23994E-05	-3.04876E-06	-1.64629E-05	0.00000E+00
3251	1.04796E-04	1.50219E-05	-1.09931E-05	-3.17629E-06	-1.47730E-05	0.00000E+00
3252	1.07887E-04	1.49010E-05	-9.53084E-06	-3.29221E-06	-1.29772E-05	0.00000E+00
3253	1.10905E-04	1.49029E-05	-8.02017E-06	-3.39903E-06	-1.10798E-05	0.00000E+00
3254	1.13890E-04	1.48003E-05	-6.46138E-06	-3.50053E-06	-9.11206E-06	0.00000E+00
3255	1.16809E-04	1.47828E-05	-4.85845E-06	-3.60152E-06	-7.05328E-06	0.00000E+00
3256	1.19740E-04	1.46986E-05	-3.20848E-06	-3.69842E-06	-4.92706E-06	0.00000E+00
3257	1.22602E-04	1.46700E-05	-1.52425E-06	-3.74966E-06	-2.55107E-06	0.00000E+00
3258	1.25551E-04	1.46179E-05	1.71689E-07	3.77419E-06	-9.06096E-07	-6.64763E-06
3259	1.25768E-04	1.59911E-05	2.17542E-07	-7.91129E-06	3.80222E-06	0.00000E+00
3260	1.26107E-04	1.73678E-05	1.64011E-07	-1.00745E-05	3.80154E-06	0.00000E+00
3261	1.26204E-04	1.87424E-05	2.90071E-07	-1.23163E-05	3.79246E-06	0.00000E+00
3262	1.22436E-05	4.49224E-06	-3.85051E-06	-1.63333E-05	-2.64518E-06	0.00000E+00
3263	1.12508E-05	6.84570E-06	-2.78337E-06	-1.55824E-05	-2.83737E-06	0.00000E+00
3264	2.33635E-05	8.24744E-06	-6.31140E-06	-1.45258E-05	-7.85147E-06	0.00000E+00
3265	2.99118E-05	9.40327E-06	-6.47194E-06	-1.43035E-05	-1.03371E-05	0.00000E+00
3266	1.67492E-05	8.73256E-06	-4.47405E-06	-1.44808E-05	-5.30917E-06	0.00000E+00
3267	3.63227E-05	8.95359E-06	-7.42529E-06	-1.39794E-05	-1.26482E-05	0.00000E+00
3268	1.02441E-05	7.38820E-06	-3.97241E-06	-1.38462E-05	-2.96170E-06	0.00000E+00
3269	4.25744E-05	9.92436E-06	-7.27681E-06	-1.36275E-05	-1.47336E-05	0.00000E+00
3270	4.86647E-05	9.51831E-06	-7.59587E-06	-1.32808E-05	-1.65909E-05	0.00000E+00
3271	5.46012E-05	1.03018E-05	-7.22165E-06	-1.29560E-05	-1.82337E-05	0.00000E+00
3272	6.03964E-05	9.96713E-06	-7.11405E-06	-1.26613E-05	-1.96859E-05	0.00000E+00
3273	6.60648E-05	1.05525E-05	-6.59651E-06	-1.23982E-05	-2.09733E-05	0.00000E+00
3274	7.16211E-05	1.03158E-05	-6.23411E-06	-1.21549E-05	-2.21119E-05	0.00000E+00
3275	7.70710E-05	1.07011E-05	-5.65000E-06	-1.18921E-05	-2.30901E-05	0.00000E+00
3276	9.96290E-05	1.13283E-05	-5.10395E-06	-1.20978E-05	-2.37782E-05	0.00000E+00
3277	9.10250E-05	1.10866E-05	-5.12025E-06	-1.19190E-05	-2.37076E-05	0.00000E+00

3278	8.23934E-05	1.05871E-05	-5.16996E-06	-1.14812E-05	-2.38170E-05	0.00000E+00
3279	1.14449E-04	1.14649E-05	-3.12071E-06	-4.71303E-06	-2.27894E-05	0.00000E+00
3280	1.06200E-04	1.11905E-05	-3.08638E-06	-5.06454E-06	-2.27274E-05	0.00000E+00
3281	1.02984E-04	1.08007E-05	-2.27759E-06	-5.34182E-06	-2.02816E-05	0.00000E+00
3282	1.05362E-04	1.08530E-05	-1.89330E-06	-5.13514E-06	-1.88676E-05	0.00000E+00
3283	1.00515E-04	1.08633E-05	-2.64872E-06	-5.56843E-06	-2.16061E-05	0.00000E+00
3284	1.07644E-04	1.07943E-05	-1.61483E-06	-4.91496E-06	-1.73823E-05	0.00000E+00
3285	9.79340E-05	1.07736E-05	-3.11295E-06	-5.91028E-06	-2.27730E-05	0.00000E+00
3286	1.09821E-04	1.08180E-05	-1.30207E-06	-4.67276E-06	-1.58177E-05	0.00000E+00
3287	1.11883E-04	1.07742E-05	-1.11146E-06	-4.40937E-06	-1.41635E-05	0.00000E+00
3288	1.13822E-04	1.07729E-05	-8.45207E-07	-4.13020E-06	-1.24065E-05	0.00000E+00
3289	1.15630E-04	1.07516E-05	-7.29673E-07	-3.84451E-06	-1.05412E-05	0.00000E+00
3290	1.17309E-04	1.07266E-05	-4.74176E-07	-3.57148E-06	-8.57184E-06	0.00000E+00
3291	1.18869E-04	1.07328E-05	-4.13849E-07	-3.35573E-06	-6.53065E-06	0.00000E+00
3292	1.20352E-04	1.06891E-05	-1.27012E-07	-3.30234E-06	-4.49658E-06	0.00000E+00
3293	1.22784E-04	1.08336E-05	9.91723E-08	-2.21295E-06	-2.57013E-06	0.00000E+00
3294	1.21870E-04	1.07215E-05	-9.02016E-08	-3.63203E-06	-2.62915E-06	0.00000E+00
3295	1.26393E-04	1.44076E-05	1.72211E-07	-1.11594E-05	1.90736E-06	0.00000E+00
3296	1.24057E-04	1.08895E-05	3.10177E-08	-3.83510E-06	-1.18926E-06	0.00000E+00
3297	1.26401E-04	1.09023E-05	4.70588E-07	4.46540E-07	-5.80943E-07	-7.49364E-06
3298	1.26564E-04	7.26580E-06	6.93963E-07	-1.12392E-05	-4.81073E-07	0.00000E+00
3299	1.26384E-04	7.48967E-06	3.26482E-07	-1.04939E-05	-7.46182E-07	0.00000E+00
3300	-6.62618E-07	2.01848E-06	2.05159E-06	-2.23799E-06	-1.26551E-05	0.00000E+00
3301	-4.19935E-07	6.43845E-06	3.84744E-07	-1.87470E-06	-1.15761E-05	0.00000E+00
3302	-9.37944E-07	1.00508E-05	1.63175E-06	-5.00977E-06	-8.53033E-06	0.00000E+00
3303	-1.01502E-06	1.25916E-05	8.22031E-07	-7.67964E-06	-6.91268E-06	0.00000E+00
3304	-1.33109E-06	1.50619E-05	1.10155E-06	-7.04509E-06	-7.30974E-07	-9.06087E-06
3305	3.12070E-06	1.45293E-05	-2.17521E-06	7.05994E-06	-2.77956E-06	0.00000E+00
3306	7.57854E-06	1.48402E-05	-5.15846E-06	6.19212E-06	-5.62594E-06	0.00000E+00
3307	1.22977E-05	1.39950E-05	-7.72032E-06	5.07820E-06	-8.45287E-06	0.00000E+00
3308	1.69732E-05	1.44825E-05	-9.76115E-06	3.96570E-06	-1.08104E-05	0.00000E+00
3309	2.17918E-05	1.35380E-05	-1.13518E-05	3.05623E-06	-1.32508E-05	0.00000E+00
3310	2.65627E-05	1.40801E-05	-1.25644E-05	2.31492E-06	-1.51384E-05	0.00000E+00
3311	3.14021E-05	1.32242E-05	-1.34666E-05	1.64843E-06	-1.71058E-05	0.00000E+00
3312	3.62231E-05	1.37213E-05	-1.40774E-05	1.06525E-06	-1.86101E-05	0.00000E+00
3313	4.10638E-05	1.30144E-05	-1.44452E-05	5.44934E-07	-2.01098E-05	0.00000E+00
3314	4.59005E-05	1.34211E-05	-1.45893E-05	1.00962E-07	-2.11812E-05	0.00000E+00
3315	5.07319E-05	1.28858E-05	-1.45541E-05	-2.78367E-07	-2.21875E-05	0.00000E+00
3316	5.55614E-05	1.31843E-05	-1.43601E-05	-5.95435E-07	-2.27954E-05	0.00000E+00
3317	6.03685E-05	1.28252E-05	-1.40371E-05	-8.85835E-07	-2.32750E-05	0.00000E+00
3318	6.51534E-05	1.30163E-05	-1.35802E-05	-1.19448E-06	-2.33339E-05	0.00000E+00
3319	6.98641E-05	1.28126E-05	-1.29602E-05	-1.57017E-06	-2.32355E-05	0.00000E+00
3320	7.44696E-05	1.29047E-05	-1.22286E-05	1.27247E-06	-2.29745E-05	-7.63915E-06
3321	8.36309E-05	1.33283E-05	-1.22142E-05	-7.75265E-06	1.11650E-06	0.00000E+00
3322	7.80766E-05	1.28093E-05	-1.17463E-05	-1.14581E-06	-2.27445E-05	0.00000E+00
3323	9.26943E-05	1.37064E-05	-1.23212E-05	-7.97391E-06	1.04768E-06	0.00000E+00
3324	8.15805E-05	1.28645E-05	-1.11431E-05	-1.44561E-06	-2.23645E-05	0.00000E+00
3325	1.01728E-04	1.40726E-05	-1.24749E-05	-8.07074E-06	1.07520E-06	0.00000E+00
3326	8.50384E-05	1.27804E-05	-1.04383E-05	-1.58366E-06	-2.17545E-05	0.00000E+00
3327	8.84200E-05	1.28458E-05	-9.69259E-06	-1.64575E-06	-2.08886E-05	0.00000E+00
3328	1.10406E-04	1.44652E-05	-1.27966E-05	-8.17317E-06	1.10113E-06	0.00000E+00
3329	9.17840E-05	1.27584E-05	-8.93098E-06	-1.67972E-06	-1.98414E-05	0.00000E+00
3330	9.50801E-05	1.28138E-05	-8.15752E-06	-1.70820E-06	-1.85961E-05	0.00000E+00
3331	9.83521E-05	1.27337E-05	-7.37510E-06	-1.73565E-06	-1.72240E-05	0.00000E+00
3332	1.01556E-04	1.27722E-05	-6.57984E-06	-1.76567E-06	-1.56762E-05	0.00000E+00
3333	1.04726E-04	1.27034E-05	-5.77327E-06	-1.79636E-06	-1.40434E-05	0.00000E+00
3334	1.07831E-04	1.27193E-05	-4.95017E-06	-1.83274E-06	-1.22583E-05	0.00000E+00
3335	1.10897E-04	1.26597E-05	-4.11123E-06	-1.87202E-06	-1.04332E-05	0.00000E+00
3336	1.13901E-04	1.26485E-05	-3.25156E-06	-1.91576E-06	-8.48029E-06	0.00000E+00
3337	1.16879E-04	1.25887E-05	-2.37517E-06	-1.95839E-06	-6.51369E-06	0.00000E+00
3338	1.19800E-04	1.25580E-05	-1.48471E-06	-1.99518E-06	-4.46331E-06	0.00000E+00
3339	1.22749E-04	1.25043E-05	-5.95765E-07	-2.03260E-06	-2.32169E-06	0.00000E+00

3340	1.25633E-04	1.24527E-05	3.03195E-07	2.01367E-06	-8.03962E-07	-6.56176E-06
3341	1.25942E-04	1.31216E-05	2.71542E-07	-7.56748E-06	1.95592E-06	0.00000E+00
3342	1.26105E-04	1.37691E-05	3.54929E-07	-9.35969E-06	1.95488E-06	0.00000E+00
3343	4.95624E-06	4.30044E-06	-8.75453E-07	-1.33409E-05	-8.21132E-07	0.00000E+00
3344	4.61682E-06	4.79957E-06	-2.54276E-06	-1.30301E-05	-1.29828E-06	0.00000E+00
3345	4.22381E-06	8.17230E-06	-1.00591E-06	-1.20005E-05	-1.34737E-06	0.00000E+00
3346	2.04484E-05	1.00410E-05	-5.79304E-06	-1.24161E-05	-8.46826E-06	0.00000E+00
3347	2.60815E-05	9.33417E-06	-6.95263E-06	-1.23297E-05	-1.09720E-05	0.00000E+00
3348	1.47899E-05	9.11432E-06	-5.17194E-06	-1.23629E-05	-5.86917E-06	0.00000E+00
3349	3.16525E-05	1.01732E-05	-7.08972E-06	-1.21935E-05	-1.32381E-05	0.00000E+00
3350	9.19006E-06	9.90859E-06	-3.13000E-06	-1.19552E-05	-3.31938E-06	0.00000E+00
3351	3.71533E-05	9.55005E-06	-7.58347E-06	-1.20360E-05	-1.52755E-05	0.00000E+00
3352	3.88235E-06	9.30194E-06	-1.57808E-06	-1.09042E-05	-1.44749E-06	0.00000E+00
3353	4.25783E-05	1.02697E-05	-7.38767E-06	-1.18775E-05	-1.70700E-05	0.00000E+00
3354	4.79293E-05	9.75846E-06	-7.41142E-06	-1.17226E-05	-1.86439E-05	0.00000E+00
3355	5.32088E-05	1.03364E-05	-6.98814E-06	-1.15786E-05	-2.00219E-05	0.00000E+00
3356	5.84213E-05	9.95900E-06	-6.71082E-06	-1.14459E-05	-2.12187E-05	0.00000E+00
3357	6.35726E-05	1.03835E-05	-6.15878E-06	-1.13206E-05	-2.22697E-05	0.00000E+00
3358	6.86639E-05	1.01533E-05	-5.71877E-06	-1.11882E-05	-2.31701E-05	0.00000E+00
3359	7.36954E-05	1.04298E-05	-5.13212E-06	-1.10186E-05	-2.38996E-05	0.00000E+00
3360	1.04900E-04	1.14869E-05	-4.61560E-06	-1.05583E-05	-2.41112E-05	0.00000E+00
3361	9.61974E-05	1.10564E-05	-4.63554E-06	-1.06015E-05	-2.39804E-05	0.00000E+00
3362	8.74698E-05	1.07930E-05	-4.61134E-06	-1.05796E-05	-2.41642E-05	0.00000E+00
3363	7.86233E-05	1.03363E-05	-4.61885E-06	-1.04623E-05	-2.43266E-05	0.00000E+00
3364	1.12254E-04	1.15928E-05	-3.57445E-06	-5.99395E-06	-2.36059E-05	0.00000E+00
3365	1.03722E-04	1.10928E-05	-3.61308E-06	-6.13395E-06	-2.34918E-05	0.00000E+00
3366	9.51594E-05	1.08190E-05	-3.58670E-06	-6.59571E-06	-2.36288E-05	0.00000E+00
3367	9.56206E-05	1.05904E-05	-2.24978E-06	-6.44562E-06	-2.03112E-05	0.00000E+00
3368	9.85070E-05	1.05523E-05	-1.91599E-06	-6.29996E-06	-1.89604E-05	0.00000E+00
3369	9.26671E-05	1.05010E-05	-2.66785E-06	-6.59250E-06	-2.15897E-05	0.00000E+00
3370	1.01322E-04	1.06128E-05	-1.57835E-06	-6.14499E-06	-1.75201E-05	0.00000E+00
3371	8.96437E-05	1.05333E-05	-3.09689E-06	-6.77586E-06	-2.27447E-05	0.00000E+00
3372	1.04061E-04	1.05810E-05	-1.33467E-06	-5.97543E-06	-1.59998E-05	0.00000E+00
3373	8.65146E-05	1.04302E-05	-3.57791E-06	-7.19904E-06	-2.36640E-05	0.00000E+00
3374	1.06718E-04	1.06116E-05	-1.06214E-06	-5.79434E-06	-1.43759E-05	0.00000E+00
3375	1.09289E-04	1.05918E-05	-8.94665E-07	-5.60396E-06	-1.26506E-05	0.00000E+00
3376	1.11771E-04	1.05922E-05	-6.60983E-07	-5.41014E-06	-1.08105E-05	0.00000E+00
3377	1.14165E-04	1.05862E-05	-5.47768E-07	-5.22039E-06	-8.86311E-06	0.00000E+00
3378	1.16474E-04	1.05577E-05	-3.21467E-07	-5.05429E-06	-6.82226E-06	0.00000E+00
3379	1.18714E-04	1.05620E-05	-2.29308E-07	-4.96488E-06	-4.75890E-06	0.00000E+00
3380	1.20939E-04	1.05272E-05	1.47504E-08	-5.09651E-06	-2.80932E-06	0.00000E+00
3381	1.23672E-04	1.07022E-05	2.31514E-07	-4.74849E-06	-1.28308E-06	0.00000E+00
3382	1.23292E-04	1.05192E-05	1.28787E-07	-5.65141E-06	-1.36133E-06	0.00000E+00
3383	1.26242E-04	1.06944E-05	3.18264E-07	5.86628E-07	-7.23175E-07	-7.10518E-06
3384	1.26265E-04	7.69455E-06	6.23352E-07	-9.07569E-06	-6.23121E-07	0.00000E+00
3385	1.26510E-04	2.68934E-06	3.98913E-07	-1.22372E-05	-2.20004E-06	0.00000E+00
3386	1.26402E-04	3.47460E-06	8.03196E-07	-1.12803E-05	-2.12993E-06	0.00000E+00
3387	1.26356E-04	4.23046E-06	4.85025E-07	-9.59137E-06	-2.02648E-06	0.00000E+00
3388	1.28211E-04	-1.25158E-05	4.07938E-07	-7.94084E-06	-5.32749E-06	0.00000E+00
3389	1.28334E-04	-2.18690E-05	1.69604E-07	-8.10568E-06	-5.13681E-06	0.00000E+00
3390	0.00000E+00	0.00000E+00	0.00000E+00	-1.54543E-05	-4.51685E-07	-6.71377E-06
3391	-4.30452E-07	5.68412E-06	1.89238E-06	-1.00746E-05	-7.75647E-07	-7.43491E-06
3392	-5.37986E-07	7.64281E-06	6.39256E-07	-5.40806E-06	-6.61662E-07	-8.25687E-06
3393	-7.84164E-07	9.70721E-06	1.29748E-06	-5.14149E-06	-6.94211E-07	-9.02187E-06
3394	-8.97407E-07	1.12934E-05	9.20116E-07	-4.55927E-06	-7.15200E-07	-9.39924E-06
3395	3.38847E-06	1.15027E-05	-1.19641E-06	-4.92242E-06	-2.10787E-06	-1.04050E-05
3396	7.93047E-06	1.07542E-05	-3.35241E-06	-4.03057E-06	-4.46010E-06	-1.11190E-05
3397	1.25230E-05	1.11734E-05	-4.82272E-06	-3.01989E-06	-7.06647E-06	-1.14067E-05
3398	1.72327E-05	1.02260E-05	-6.07857E-06	-2.04515E-06	-9.60215E-06	-1.15000E-05
3399	2.19437E-05	1.08074E-05	-6.69283E-06	-1.31123E-06	-1.19991E-05	-1.14762E-05
3400	2.67109E-05	9.95137E-06	-7.28632E-06	-7.81366E-07	-1.41536E-05	-1.14373E-05
3401	3.14815E-05	1.05227E-05	-7.40140E-06	-2.34654E-07	-1.60890E-05	-1.13594E-05

3402	3.62722E-05	9.80678E-06	-7.51742E-06	1.26478E-07	-1.77875E-05	-1.12886E-05
3403	4.10696E-05	1.03095E-05	-7.28484E-06	5.04126E-07	-1.92611E-05	-1.12024E-05
3404	4.58656E-05	9.76209E-06	-7.07490E-06	7.32222E-07	-2.05234E-05	-1.11249E-05
3405	5.06688E-05	1.01697E-05	-6.62127E-06	9.57859E-07	-2.15753E-05	-1.10435E-05
3406	5.54582E-05	9.80291E-06	-6.21860E-06	1.06224E-06	-2.24430E-05	-1.09636E-05
3407	6.02488E-05	1.01063E-05	-5.65893E-06	1.17040E-06	-2.31140E-05	-1.08692E-05
3408	6.50082E-05	9.91114E-06	-5.16873E-06	1.19496E-06	-2.35824E-05	-1.07321E-05
3409	6.97479E-05	1.00994E-05	-4.56917E-06	1.29656E-06	-2.36782E-05	-1.03743E-05
3410	7.42862E-05	1.00627E-05	-4.01943E-06	1.09554E-06	-2.33302E-05	-8.43855E-06
3411	7.79176E-05	1.01890E-05	-3.55487E-06	9.91444E-07	-2.30365E-05	-7.52356E-06
3412	8.30746E-05	1.04654E-05	-4.03174E-06	9.11683E-07	-2.42300E-05	-8.42304E-06
3413	9.19421E-05	1.07494E-05	-4.09345E-06	9.26956E-07	-2.40918E-05	-8.33255E-06
3414	8.14059E-05	1.01684E-05	-3.10160E-06	9.97175E-07	-2.23802E-05	-7.19569E-06
3415	1.00594E-04	1.11511E-05	-4.16091E-06	1.00404E-06	-2.37698E-05	-8.24255E-06
3416	8.48419E-05	1.02838E-05	-2.65349E-06	9.19979E-07	-2.14428E-05	-7.04503E-06
3417	1.09159E-04	1.14810E-05	-4.24267E-06	8.95199E-07	-2.38806E-05	-8.21523E-06
3418	8.82500E-05	1.02689E-05	-2.25995E-06	8.30781E-07	-2.03278E-05	-6.91731E-06
3419	9.16067E-05	1.03675E-05	-1.89441E-06	7.26725E-07	-1.90991E-05	-6.79310E-06
3420	9.49362E-05	1.03516E-05	-1.59349E-06	6.43874E-07	-1.77435E-05	-6.66551E-06
3421	9.82133E-05	1.04202E-05	-1.30726E-06	5.55984E-07	-1.62835E-05	-6.52486E-06
3422	1.01454E-04	1.04077E-05	-1.08496E-06	4.94922E-07	-1.47060E-05	-6.38068E-06
3423	1.04641E-04	1.04437E-05	-8.59241E-07	4.31070E-07	-1.30257E-05	-6.22793E-06
3424	1.07786E-04	1.04351E-05	-6.93799E-07	3.97907E-07	-1.12375E-05	-6.07624E-06
3425	1.10880E-04	1.04364E-05	-5.02668E-07	3.68962E-07	-9.35498E-06	-5.92752E-06
3426	1.13930E-04	1.04246E-05	-3.63537E-07	3.65075E-07	-7.38811E-06	-5.79056E-06
3427	1.16929E-04	1.03942E-05	-1.79812E-07	3.77582E-07	-5.38655E-06	-5.70392E-06
3428	1.19896E-04	1.03640E-05	-3.06869E-08	4.24581E-07	-3.44291E-06	-5.73720E-06
3429	1.22835E-04	1.03192E-05	1.92073E-07	4.84657E-07	-1.72008E-06	-6.03526E-06
3430	1.25805E-04	1.02821E-05	3.93407E-07	5.58347E-07	-7.54723E-07	-6.43209E-06
3431	1.26010E-04	1.05106E-05	4.55013E-07	6.05585E-07	-7.71629E-07	-6.68553E-06
3432	1.26145E-04	7.84984E-06	4.73469E-07	-7.66919E-06	-5.59851E-07	0.00000E+00
3433	1.26239E-04	4.95791E-06	6.69384E-07	-7.96238E-06	-2.01721E-06	0.00000E+00
3434	1.26412E-04	-1.84643E-06	9.00516E-07	-1.10391E-05	-4.03064E-06	0.00000E+00
3435	1.26502E-04	-4.68122E-07	3.93728E-07	-1.00579E-05	-3.60716E-06	0.00000E+00
3436	1.26386E-04	8.40152E-07	7.38576E-07	-8.75936E-06	-3.42017E-06	0.00000E+00
3437	1.26350E-04	2.10493E-06	6.15106E-07	-7.43557E-06	-3.42196E-06	0.00000E+00
3438	1.28114E-04	-1.66289E-05	2.63532E-07	-7.90768E-06	-5.30341E-06	0.00000E+00
3439	1.28184E-04	-1.42395E-05	4.08385E-07	-7.86043E-06	-5.34905E-06	0.00000E+00
3440	1.28259E-04	-1.49162E-05	4.16464E-07	-7.95451E-06	-5.27356E-06	0.00000E+00
3441	1.28254E-04	-1.07923E-05	4.96350E-07	-8.01941E-06	-5.33879E-06	0.00000E+00
3442	1.28283E-04	-1.32080E-05	3.92361E-07	-8.00310E-06	-5.27532E-06	0.00000E+00
3443	1.28219E-04	-1.18705E-05	3.83049E-07	-7.84816E-06	-5.45543E-06	0.00000E+00
3444	1.28229E-04	-1.01121E-05	5.40922E-07	-7.97456E-06	-5.42729E-06	0.00000E+00
3445	1.28194E-04	-8.35721E-06	5.45972E-07	-8.10447E-06	-5.42367E-06	0.00000E+00
3446	1.28260E-04	-2.45494E-05	9.29171E-08	-8.05979E-06	-5.17858E-06	0.00000E+00
3447	1.28260E-04	-2.27061E-05	2.62876E-07	-8.04848E-06	-5.20517E-06	0.00000E+00
3448	1.28362E-04	-2.41494E-05	1.82342E-07	-8.10929E-06	-5.08684E-06	0.00000E+00
3449	1.28466E-04	-2.10606E-05	2.20785E-07	-8.16451E-06	-5.09211E-06	0.00000E+00
3450	1.28495E-04	-2.37775E-05	9.07809E-08	-8.13374E-06	-5.04435E-06	0.00000E+00
3451	1.28210E-04	-2.08651E-05	2.81945E-07	-8.01527E-06	-5.23510E-06	0.00000E+00
3452	1.28324E-04	-1.95919E-05	3.23861E-07	-8.07855E-06	-5.18574E-06	0.00000E+00
3453	1.28393E-04	-1.83381E-05	2.44970E-07	-8.15310E-06	-5.15239E-06	0.00000E+00
3454	-1.66174E-07	4.55400E-07	2.11437E-06	8.18724E-07	-9.06626E-06	0.00000E+00
3455	1.07896E-04	8.49013E-06	3.60783E-06	-8.19355E-06	7.59575E-07	0.00000E+00
3456	1.26410E-04	-5.47067E-06	0.00000E+00	-5.36040E-06	3.68520E-07	-6.83318E-06
3457	-1.26327E-07	1.47504E-06	5.05325E-07	1.25408E-06	-4.24875E-06	0.00000E+00
3458	1.07173E-04	5.51342E-06	1.14058E-05	-8.12349E-06	4.89230E-07	0.00000E+00
3459	1.24112E-04	-5.43778E-06	3.09177E-06	-4.61986E-06	-3.39446E-07	0.00000E+00
3460	-1.13493E-07	1.98043E-06	2.11933E-06	-1.95271E-06	-1.82484E-06	0.00000E+00
3461	1.06516E-04	2.54520E-06	1.91041E-05	-8.18467E-06	2.14591E-07	0.00000E+00
3462	1.22445E-04	-5.36964E-06	4.70323E-06	-3.80788E-06	-1.33026E-06	0.00000E+00
3463	0.00000E+00	0.00000E+00	0.00000E+00	-3.19638E-06	4.02986E-07	-8.96582E-06

3464	1.06373E-04	-4.50900E-07	2.67787E-05	-3.23593E-08	-2.30440E-05	-8.12072E-06
3465	1.21036E-04	-5.43595E-06	7.23635E-06	-3.56059E-06	-2.51019E-06	0.00000E+00
3466	5.25514E-06	2.81614E-06	3.24573E-06	-1.27232E-05	-3.33138E-07	0.00000E+00
3467	1.08591E-04	-1.34456E-06	2.63821E-05	-3.46673E-06	-2.23175E-05	0.00000E+00
3468	1.01358E-04	5.33874E-07	2.63377E-05	-1.27958E-05	-2.28890E-05	0.00000E+00
3469	1.19679E-04	-5.29274E-06	9.08080E-06	-3.57508E-06	-3.78614E-06	0.00000E+00
3470	1.18312E-05	2.58194E-06	3.83832E-06	-1.45818E-05	-1.77506E-06	0.00000E+00
3471	1.09226E-04	-2.06001E-06	2.56437E-05	-1.66417E-06	-2.05176E-05	0.00000E+00
3472	9.46974E-05	1.11384E-06	2.55986E-05	-1.47639E-05	-2.16518E-05	0.00000E+00
3473	1.18293E-04	-5.26031E-06	1.14019E-05	-3.66233E-06	-5.08543E-06	0.00000E+00
3474	1.89828E-05	3.78426E-06	6.82782E-06	-1.51675E-05	-3.52669E-06	0.00000E+00
3475	1.09442E-04	-2.64233E-06	2.46831E-05	-1.54340E-06	-1.82960E-05	0.00000E+00
3476	8.75326E-05	1.88670E-06	2.45793E-05	-1.50408E-05	-1.99464E-05	0.00000E+00
3477	1.16867E-04	-5.04090E-06	1.32763E-05	-3.73915E-06	-6.38913E-06	0.00000E+00
3478	2.62411E-05	3.41858E-06	8.08398E-06	-1.51312E-05	-5.40083E-06	0.00000E+00
3479	1.09798E-04	-3.15655E-06	2.34899E-05	-2.04781E-06	-1.60528E-05	0.00000E+00
3480	8.04274E-05	2.19225E-06	2.33491E-05	-1.46814E-05	-1.81426E-05	0.00000E+00
3481	1.15420E-04	-4.89661E-06	1.53809E-05	-3.75916E-06	-7.71116E-06	0.00000E+00
3482	3.33961E-05	4.18619E-06	1.08220E-05	-1.48351E-05	-7.21922E-06	0.00000E+00
3483	1.10466E-04	-3.60752E-06	2.21653E-05	-2.65147E-06	-1.39967E-05	0.00000E+00
3484	7.35499E-05	2.91303E-06	2.19692E-05	-1.42397E-05	-1.64423E-05	0.00000E+00
3485	1.13992E-04	-4.60623E-06	1.71634E-05	-3.68804E-06	-9.08411E-06	0.00000E+00
3486	4.03659E-05	3.67851E-06	1.24401E-05	-1.44633E-05	-8.92067E-06	0.00000E+00
3487	1.11437E-04	-3.98403E-06	2.06125E-05	-3.15140E-06	-1.21732E-05	0.00000E+00
3488	6.68777E-05	2.98641E-06	2.02962E-05	-1.39340E-05	-1.48818E-05	0.00000E+00
3489	1.12640E-04	-4.34841E-06	1.90164E-05	-3.49445E-06	-1.05534E-05	0.00000E+00
3490	4.71445E-05	4.11956E-06	1.48813E-05	-1.41282E-05	-1.04972E-05	0.00000E+00
3491	6.03195E-05	3.66885E-06	1.86773E-05	-1.38229E-05	-1.34168E-05	0.00000E+00
3492	5.37723E-05	3.50213E-06	1.65974E-05	-1.38988E-05	-1.19781E-05	0.00000E+00
3493	-2.70657E-07	3.38178E-06	5.16447E-07	-2.72433E-06	-7.02989E-06	0.00000E+00
3494	-4.09589E-07	5.56623E-06	1.71377E-06	-4.88340E-06	-4.37330E-06	0.00000E+00
3495	-4.69769E-07	6.85541E-06	9.23395E-07	-7.11868E-06	-3.16375E-06	0.00000E+00
3496	-5.96617E-07	8.09347E-06	1.21136E-06	-3.05268E-06	-9.70734E-07	-8.45676E-06
3497	3.81440E-06	7.68335E-06	-2.32137E-07	2.76472E-06	-2.99780E-06	0.00000E+00
3498	8.23005E-06	7.98689E-06	-1.31901E-06	1.95503E-06	-5.97495E-06	0.00000E+00
3499	1.28312E-05	7.23943E-06	-2.00494E-06	1.04621E-06	-8.30540E-06	0.00000E+00
3500	1.74278E-05	7.74231E-06	-2.26310E-06	2.07896E-07	-1.07889E-05	0.00000E+00
3501	2.21125E-05	6.94881E-06	-2.20264E-06	-3.80967E-07	-1.27726E-05	0.00000E+00
3502	2.68148E-05	7.51673E-06	-1.91572E-06	-7.87379E-07	-1.49116E-05	0.00000E+00
3503	3.15460E-05	6.81935E-06	-1.47473E-06	-1.10829E-06	-1.65516E-05	0.00000E+00
3504	3.62970E-05	7.35466E-06	-9.03180E-07	-1.33654E-06	-1.82251E-05	0.00000E+00
3505	4.10448E-05	6.80198E-06	-2.51762E-07	-1.49626E-06	-1.94560E-05	0.00000E+00
3506	4.58168E-05	7.26369E-06	4.60538E-07	-1.57807E-06	-2.06560E-05	0.00000E+00
3507	5.05658E-05	6.87700E-06	1.18982E-06	-1.59499E-06	-2.14565E-05	0.00000E+00
3508	5.53385E-05	7.25113E-06	1.91729E-06	-1.54480E-06	-2.21761E-05	0.00000E+00
3509	6.00766E-05	7.03803E-06	2.60694E-06	-1.43937E-06	-2.25255E-05	0.00000E+00
3510	6.48231E-05	7.31943E-06	3.23535E-06	-1.24853E-06	-2.27238E-05	0.00000E+00
3511	6.94907E-05	7.27743E-06	3.74233E-06	-9.44770E-07	-2.24885E-05	0.00000E+00
3512	7.40442E-05	7.45320E-06	4.10231E-06	7.65835E-07	-2.20554E-05	-7.32464E-06
3513	8.27492E-05	7.62600E-06	3.98366E-06	-7.50427E-06	6.04610E-07	0.00000E+00
3514	7.76689E-05	7.52177E-06	4.52058E-06	-8.41588E-07	-2.18177E-05	0.00000E+00
3515	8.11741E-05	7.69979E-06	4.81848E-06	-4.79428E-07	-2.13508E-05	0.00000E+00
3516	9.13169E-05	7.90202E-06	3.91867E-06	-7.71692E-06	7.69778E-07	0.00000E+00
3517	9.98963E-05	8.20065E-06	3.81001E-06	-8.04458E-06	7.81787E-07	0.00000E+00
3518	8.46390E-05	7.73525E-06	4.96312E-06	-1.99160E-07	-2.05743E-05	0.00000E+00
3519	8.80442E-05	7.87252E-06	4.99450E-06	3.30781E-08	-1.96026E-05	0.00000E+00
3520	9.14353E-05	7.90275E-06	4.92492E-06	2.50125E-07	-1.84446E-05	0.00000E+00
3521	9.47720E-05	7.99994E-06	4.76246E-06	4.45663E-07	-1.71723E-05	0.00000E+00
3522	9.80821E-05	8.02634E-06	4.51522E-06	6.20152E-07	-1.57471E-05	0.00000E+00
3523	1.01342E-04	8.08604E-06	4.19404E-06	7.71157E-07	-1.42556E-05	0.00000E+00
3524	1.04563E-04	8.11255E-06	3.80680E-06	9.00423E-07	-1.26360E-05	0.00000E+00
3525	1.07740E-04	8.13789E-06	3.36603E-06	1.00304E-06	-1.09903E-05	0.00000E+00

3526	1.10873E-04	8.16008E-06	2.88125E-06	1.07910E-06	-9.23445E-06	0.00000E+00
3527	1.13968E-04	8.15266E-06	2.36880E-06	1.11989E-06	-7.49258E-06	0.00000E+00
3528	1.17022E-04	8.15036E-06	1.84732E-06	1.10764E-06	-5.67295E-06	0.00000E+00
3529	1.20030E-04	8.10255E-06	1.34847E-06	1.05383E-06	-3.92200E-06	0.00000E+00
3530	1.23015E-04	8.06255E-06	8.92272E-07	9.54149E-07	-1.98889E-06	0.00000E+00
3531	1.25959E-04	8.02947E-06	5.23588E-07	-7.27590E-07	-6.81872E-07	-6.80566E-06
3532	1.26148E-04	5.72171E-06	5.79606E-07	-2.20424E-06	-6.90564E-07	-6.97160E-06
3533	1.26324E-04	3.38674E-06	7.07644E-07	-3.43561E-06	-4.83726E-07	-6.73665E-06
3534	1.26534E-04	-3.56792E-06	7.61499E-07	-4.37983E-06	-1.00400E-07	-6.69327E-06
3535	1.26412E-04	-2.02640E-06	5.60315E-07	-4.04749E-06	-2.56402E-07	-6.48376E-06
3536	1.26392E-04	-4.00464E-07	7.42332E-07	-4.07922E-06	5.74927E-08	-6.27512E-06
3537	1.26551E-04	1.13655E-06	6.57649E-07	-4.37062E-06	9.11574E-08	-6.22842E-06
3538	1.28198E-04	-1.83538E-05	3.92178E-07	-5.30775E-06	-7.82907E-07	-7.91515E-06
3539	1.28088E-04	-1.59762E-05	0.00000E+00	-5.54256E-06	2.47989E-07	-7.83497E-06
3540	1.28142E-04	-2.07516E-05	3.36049E-07	-5.30257E-06	3.02144E-07	-7.95212E-06
3541	1.28222E-04	-1.90356E-05	3.96130E-07	-5.26280E-06	9.91229E-08	-7.97671E-06
3542	1.28240E-04	-1.73254E-05	3.18018E-07	-5.23551E-06	2.18099E-07	-8.00603E-06
3543	1.28013E-04	-1.36417E-05	5.28386E-07	-5.47573E-06	1.24638E-06	-7.77352E-06
3544	1.28365E-04	-1.56294E-05	3.84540E-07	-5.22528E-06	3.32600E-07	-8.06697E-06
3545	1.28274E-04	-9.05512E-06	4.73936E-07	-5.40758E-06	2.96440E-07	-8.04633E-06
3546	1.28371E-04	-1.14968E-05	4.21358E-07	-5.32727E-06	2.30630E-07	-8.02287E-06
3547	1.28180E-04	-6.60299E-06	5.77565E-07	-5.46584E-06	2.60333E-07	-8.14558E-06
3548	1.28432E-04	-1.39287E-05	3.44373E-07	-5.28741E-06	2.00297E-07	-8.07985E-06
3549	1.28043E-04	-1.13089E-05	6.07426E-07	-5.55471E-06	2.23492E-07	-7.80360E-06
3550	1.28161E-04	-9.50045E-06	6.80615E-07	-5.48605E-06	2.24920E-07	-7.89518E-06
3551	1.28248E-04	-7.69038E-06	5.67576E-07	-5.46730E-06	-3.28199E-08	-8.07074E-06
3552	1.28201E-04	-5.88544E-06	5.99170E-07	-5.46924E-06	-4.29399E-07	-8.22137E-06
3553	1.27969E-04	-4.09179E-06	5.66491E-07	-5.58791E-06	-4.76608E-07	-8.25439E-06
3554	1.28137E-04	-2.64135E-05	0.00000E+00	-5.29248E-06	5.97991E-07	-8.05500E-06
3555	1.28163E-04	-2.49927E-05	2.25539E-07	-5.28107E-06	6.56113E-07	-8.04407E-06
3556	1.28295E-04	-2.63927E-05	1.71474E-07	-5.12084E-06	5.90329E-08	-8.06319E-06
3557	1.28361E-04	-2.64299E-05	6.09808E-08	-5.04097E-06	4.06230E-07	-8.10134E-06
3558	1.28141E-04	-2.35674E-05	2.57273E-07	-5.26996E-06	3.26079E-07	-8.01878E-06
3559	1.28166E-04	-2.21602E-05	3.37827E-07	-5.28087E-06	2.36962E-07	-7.98497E-06
3560	1.28538E-04	-2.64827E-05	8.97871E-09	-5.01526E-06	6.56327E-07	-8.08358E-06
3561	1.28600E-04	-2.02646E-05	1.46945E-07	-5.09513E-06	2.55425E-07	-8.17299E-06
3562	1.28695E-04	-2.34153E-05	6.69468E-08	-5.03016E-06	3.35213E-07	-8.12486E-06
3563	1.28544E-04	-1.71005E-05	2.71808E-07	-5.16156E-06	3.01556E-07	-8.18795E-06
3564	1.28786E-04	-2.65218E-05	-1.40196E-07	-5.11498E-06	6.30894E-07	-8.04301E-06
3565	-1.96512E-07	2.95771E-06	1.99355E-06	-5.88932E-07	-3.81236E-06	0.00000E+00
3566	9.91053E-05	5.33756E-06	1.15374E-05	-7.92597E-06	4.83438E-07	0.00000E+00
3567	1.23957E-04	-3.65247E-06	2.54569E-06	-4.90967E-06	-4.97533E-07	0.00000E+00
3568	-2.51382E-08	2.55538E-06	5.01165E-07	-2.25619E-06	-1.36778E-06	0.00000E+00
3569	9.86666E-05	2.47279E-06	1.91778E-05	-8.00616E-06	2.02188E-07	0.00000E+00
3570	1.21960E-04	-3.76380E-06	5.10438E-06	-4.16114E-06	-1.35381E-06	0.00000E+00
3571	1.04821E-07	1.32727E-06	1.92253E-06	-4.00854E-07	-2.36033E-07	-8.52297E-06
3572	9.81646E-05	-4.27366E-07	2.68872E-05	9.92640E-08	-2.26480E-05	-8.16956E-06
3573	1.20129E-04	-3.65300E-06	6.93103E-06	-3.99525E-06	-2.51225E-06	0.00000E+00
3574	5.05151E-06	5.42880E-07	1.69270E-06	-1.24722E-05	-6.48146E-07	0.00000E+00
3575	1.00550E-04	-9.59395E-07	2.64772E-05	-3.82060E-06	-2.20388E-05	0.00000E+00
3576	9.31171E-05	4.11457E-09	2.64430E-05	-1.26516E-05	-2.26040E-05	0.00000E+00
3577	1.18309E-04	-3.70814E-06	9.33357E-06	-4.02542E-06	-3.78083E-06	0.00000E+00
3578	1.11825E-05	1.98888E-06	4.91329E-06	-1.40517E-05	-1.85935E-06	0.00000E+00
3579	1.01786E-04	-1.41908E-06	2.57358E-05	-2.36461E-06	-2.04281E-05	0.00000E+00
3580	8.68492E-05	6.06522E-07	2.56827E-05	-1.42603E-05	-2.15593E-05	0.00000E+00
3581	1.16453E-04	-3.55043E-06	1.12303E-05	-4.11477E-06	-5.07679E-06	0.00000E+00
3582	1.77024E-05	1.53458E-06	5.87457E-06	-1.45228E-05	-3.57148E-06	0.00000E+00
3583	1.02797E-04	-1.83111E-06	2.47373E-05	-2.33632E-06	-1.82646E-05	0.00000E+00
3584	8.02910E-05	8.40301E-07	2.46358E-05	-1.44164E-05	-1.99194E-05	0.00000E+00
3585	1.14554E-04	-3.52200E-06	1.34480E-05	-4.19419E-06	-6.37823E-06	0.00000E+00
3586	2.42887E-05	2.47130E-06	8.76713E-06	-1.44881E-05	-5.41881E-06	0.00000E+00
3587	1.03966E-04	-2.18032E-06	2.35795E-05	-2.80306E-06	-1.60361E-05	0.00000E+00

3588	7.38398E-05	1.41843E-06	2.34569E-05	-1.40657E-05	-1.81320E-05	0.00000E+00
3589	1.12626E-04	-3.32474E-06	1.52952E-05	-4.22538E-06	-7.69878E-06	0.00000E+00
3590	3.07864E-05	1.97178E-06	1.02460E-05	-1.42219E-05	-7.22633E-06	0.00000E+00
3591	1.05383E-04	-2.47994E-06	2.21834E-05	-3.32700E-06	-1.39826E-05	0.00000E+00
3592	6.75824E-05	1.44905E-06	2.19478E-05	-1.36734E-05	-1.64357E-05	0.00000E+00
3593	1.10698E-04	-3.20881E-06	1.72888E-05	-4.17928E-06	-9.07072E-06	0.00000E+00
3594	3.71391E-05	2.60602E-06	1.28776E-05	-1.38944E-05	-8.92250E-06	0.00000E+00
3595	1.07019E-04	-2.76568E-06	2.07128E-05	-3.74789E-06	-1.21593E-05	0.00000E+00
3596	6.14800E-05	2.03133E-06	2.04662E-05	-1.34120E-05	-1.48762E-05	0.00000E+00
3597	1.08812E-04	-2.97047E-06	1.89904E-05	-4.02850E-06	-1.05396E-05	0.00000E+00
3598	4.33449E-05	2.05403E-06	1.45636E-05	-1.35996E-05	-1.04962E-05	0.00000E+00
3599	5.54565E-05	1.86161E-06	1.85367E-05	-1.33228E-05	-1.34124E-05	0.00000E+00
3600	4.94337E-05	2.44061E-06	1.68727E-05	-1.33954E-05	-1.19750E-05	0.00000E+00
3601	1.26917E-04	-1.53573E-07	6.16171E-07	4.99837E-06	-3.49878E-09	0.00000E+00
3602	1.27488E-04	-2.76711E-06	5.60366E-07	5.63743E-06	-1.70963E-07	0.00000E+00
3603	1.29006E-04	-3.06506E-05	-3.82655E-07	5.32090E-06	3.82821E-07	0.00000E+00
3604	1.27200E-04	-1.42994E-06	5.80267E-07	5.34876E-06	-5.85957E-08	0.00000E+00
3605	1.29000E-04	-3.47197E-05	-5.56857E-07	5.25467E-06	3.42504E-07	0.00000E+00
3606	1.29019E-04	-3.87550E-05	-7.21914E-07	5.22514E-06	3.42146E-07	0.00000E+00
3607	1.29011E-04	-4.27392E-05	-8.91045E-07	5.20807E-06	3.47358E-07	0.00000E+00
3608	-2.17468E-07	4.07345E-06	7.78498E-07	-3.71696E-06	-2.24453E-06	0.00000E+00
3609	-2.71877E-07	4.58610E-06	1.53338E-06	-6.45379E-06	-7.02744E-07	0.00000E+00
3610	-2.07870E-07	4.60139E-06	1.11713E-06	-2.72757E-07	-9.45277E-07	-8.10134E-06
3611	4.09111E-06	4.76511E-06	9.99571E-07	4.14758E-07	-3.05445E-06	0.00000E+00
3612	8.56492E-06	4.19495E-06	8.91794E-07	-6.46468E-08	-5.94148E-06	0.00000E+00
3613	1.30307E-05	4.60833E-06	1.10564E-06	-8.70035E-07	-8.39583E-06	0.00000E+00
3614	1.76247E-05	3.91846E-06	1.66985E-06	-1.51908E-06	-1.06208E-05	0.00000E+00
3615	2.22328E-05	4.46119E-06	2.47007E-06	-1.96318E-06	-1.26200E-05	0.00000E+00
3616	2.69020E-05	3.79655E-06	3.44473E-06	-2.22515E-06	-1.44219E-05	0.00000E+00
3617	3.15893E-05	4.35018E-06	4.49447E-06	-2.37104E-06	-1.60303E-05	0.00000E+00
3618	3.62900E-05	3.80343E-06	5.60287E-06	-2.43753E-06	-1.74378E-05	0.00000E+00
3619	4.10175E-05	4.30517E-06	6.71049E-06	-2.42241E-06	-1.86449E-05	0.00000E+00
3620	4.57272E-05	3.90612E-06	7.80210E-06	-2.33596E-06	-1.96441E-05	0.00000E+00
3621	5.04682E-05	4.33415E-06	8.82705E-06	-2.17561E-06	-2.04381E-05	0.00000E+00
3622	5.51761E-05	4.09832E-06	9.76820E-06	-1.94931E-06	-2.10171E-05	0.00000E+00
3623	5.99085E-05	4.45266E-06	1.05828E-05	-1.66190E-06	-2.13800E-05	0.00000E+00
3624	6.45979E-05	4.39364E-06	1.12523E-05	-1.29155E-06	-2.15399E-05	0.00000E+00
3625	6.92490E-05	4.68781E-06	1.17004E-05	-7.35719E-07	-2.15496E-05	0.00000E+00
3626	7.38308E-05	4.76973E-06	1.19227E-05	5.81590E-07	-2.13857E-05	-7.30183E-06
3627	8.23002E-05	4.99260E-06	1.18310E-05	-7.30090E-06	5.28054E-07	0.00000E+00
3628	7.73991E-05	4.99726E-06	1.22324E-05	-4.48077E-07	-2.08452E-05	0.00000E+00
3629	9.08454E-05	5.16655E-06	1.16611E-05	-7.57206E-06	4.70613E-07	0.00000E+00
3630	8.09491E-05	5.10194E-06	1.23254E-05	1.02931E-07	-2.01141E-05	0.00000E+00
3631	8.44031E-05	5.29839E-06	1.21879E-05	5.27090E-07	-1.92545E-05	0.00000E+00
3632	8.78521E-05	5.37893E-06	1.18712E-05	8.89443E-07	-1.82598E-05	0.00000E+00
3633	9.12436E-05	5.50985E-06	1.13932E-05	1.21591E-06	-1.71206E-05	0.00000E+00
3634	9.46186E-05	5.57667E-06	1.07743E-05	1.50424E-06	-1.58707E-05	0.00000E+00
3635	9.79431E-05	5.65886E-06	1.00287E-05	1.75481E-06	-1.45255E-05	0.00000E+00
3636	1.01236E-04	5.72025E-06	9.17733E-06	1.97063E-06	-1.31090E-05	0.00000E+00
3637	1.04486E-04	5.76356E-06	8.23173E-06	2.15101E-06	-1.16307E-05	0.00000E+00
3638	1.07695E-04	5.82090E-06	7.21342E-06	2.29672E-06	-1.01111E-05	0.00000E+00
3639	1.10872E-04	5.83180E-06	6.13308E-06	2.40494E-06	-8.55454E-06	0.00000E+00
3640	1.14007E-04	5.87185E-06	5.01623E-06	2.46724E-06	-6.97517E-06	0.00000E+00
3641	1.17119E-04	5.85062E-06	3.88054E-06	2.47576E-06	-5.36328E-06	0.00000E+00
3642	1.20187E-04	5.83760E-06	2.75775E-06	2.42576E-06	-3.73112E-06	0.00000E+00
3643	1.23185E-04	5.76703E-06	1.65726E-06	2.38387E-06	-1.94032E-06	0.00000E+00
3644	1.23403E-04	3.48793E-06	2.32649E-06	3.61765E-06	-1.53347E-06	0.00000E+00
3645	1.23679E-04	1.18264E-06	2.77300E-06	-4.65976E-06	-5.60505E-07	-6.29655E-06
3646	1.23817E-04	-2.02497E-06	2.83797E-06	-5.40784E-06	-4.78620E-07	0.00000E+00
3647	1.23723E-04	-4.16430E-07	2.69638E-06	-5.98028E-06	-3.43541E-07	0.00000E+00
3648	1.23781E-04	-4.32655E-08	2.89381E-06	5.04008E-06	-5.99448E-07	0.00000E+00
3649	1.24514E-04	-1.83227E-05	2.81103E-06	5.71222E-06	2.42134E-08	0.00000E+00

3650	1.24540E-04	-1.59450E-05	2.91122E-06	6.40232E-06	3.81693E-07	0.00000E+00
3651	1.24575E-04	-2.07470E-05	2.84780E-06	-5.59067E-06	9.23793E-08	-7.90708E-06
3652	1.24536E-04	-1.36098E-05	3.04304E-06	5.90626E-06	7.14041E-07	0.00000E+00
3653	1.24608E-04	-1.90063E-05	2.81923E-06	-7.90630E-06	1.49427E-07	0.00000E+00
3654	1.24556E-04	-2.21317E-05	2.78801E-06	5.51859E-06	3.17212E-07	0.00000E+00
3655	1.24667E-04	-1.73130E-05	2.88366E-06	-7.84585E-06	1.92169E-07	0.00000E+00
3656	1.24737E-04	-1.56012E-05	2.83191E-06	-7.89495E-06	2.87370E-07	0.00000E+00
3657	1.24506E-04	-1.13207E-05	3.27366E-06	-5.89223E-06	3.14649E-07	-7.85619E-06
3658	1.24852E-04	-1.39120E-05	2.85138E-06	-5.63139E-06	3.75255E-07	-7.84535E-06
3659	1.24736E-04	-1.14682E-05	2.95199E-06	5.78379E-06	3.85352E-07	0.00000E+00
3660	1.24617E-04	-9.03053E-06	3.09194E-06	5.98250E-06	4.89379E-07	0.00000E+00
3661	1.24429E-04	-6.54492E-06	3.23167E-06	6.07587E-06	3.52358E-07	0.00000E+00
3662	1.24217E-04	-4.08425E-06	3.24528E-06	-5.89372E-06	-5.59462E-07	-7.92438E-06
3663	1.24947E-04	-1.70859E-05	2.68329E-06	5.46905E-06	4.21336E-07	0.00000E+00
3664	1.24577E-04	-9.48440E-06	3.21426E-06	-7.90102E-06	1.31211E-07	0.00000E+00
3665	1.24575E-04	-7.69313E-06	3.28577E-06	-7.96800E-06	-1.28394E-07	0.00000E+00
3666	1.24457E-04	-5.88225E-06	3.23428E-06	-7.98324E-06	-4.58929E-07	0.00000E+00
3667	1.24168E-04	-2.66344E-06	3.13466E-06	5.64255E-06	-5.75361E-07	0.00000E+00
3668	1.24670E-04	-2.63623E-05	2.49713E-06	-9.47664E-06	-3.69656E-07	0.00000E+00
3669	1.24612E-04	-2.64000E-05	2.66033E-06	-5.64857E-06	2.36657E-07	-7.85668E-06
3670	1.24571E-04	-2.49557E-05	2.66259E-06	5.53522E-06	2.45138E-07	0.00000E+00
3671	1.24586E-04	-2.35507E-05	2.73179E-06	5.53911E-06	3.54064E-07	0.00000E+00
3672	1.24840E-04	-2.64365E-05	2.50020E-06	-9.37014E-06	-4.23958E-07	0.00000E+00
3673	1.25007E-04	-2.64717E-05	2.36045E-06	-9.32800E-06	-6.71341E-07	0.00000E+00
3674	1.25229E-04	-2.65403E-05	2.23947E-06	-5.31179E-06	5.26048E-07	-7.82638E-06
3675	1.25132E-04	-2.33947E-05	2.39901E-06	5.28482E-06	3.63133E-07	0.00000E+00
3676	1.25057E-04	-2.02661E-05	2.53848E-06	5.39137E-06	3.52197E-07	0.00000E+00
3677	1.25246E-04	-3.06272E-05	2.01498E-06	5.27188E-06	4.13216E-07	0.00000E+00
3678	-1.31861E-07	2.71526E-06	1.70377E-06	-5.09799E-06	4.57443E-07	0.00000E+00
3679	9.02666E-05	2.42321E-06	1.93104E-05	-7.79922E-06	2.11243E-07	0.00000E+00
3680	1.21493E-04	-2.01293E-06	4.81013E-06	-5.06877E-06	-1.32782E-06	0.00000E+00
3681	-1.20188E-07	8.66620E-08	8.12363E-07	2.33984E-06	-1.79237E-07	-9.51935E-06
3682	8.98953E-05	-4.90385E-07	2.69387E-05	8.55234E-08	-2.28238E-05	-8.34374E-06
3683	1.19226E-04	-2.10190E-06	7.17794E-06	-5.02726E-06	-2.53068E-06	0.00000E+00
3684	4.90354E-06	6.12286E-07	3.00650E-06	-1.17173E-05	-6.03985E-07	0.00000E+00
3685	9.24839E-05	-6.74181E-07	2.65189E-05	-4.85146E-06	-2.19948E-05	0.00000E+00
3686	8.48529E-05	-1.91902E-07	2.64948E-05	-1.21087E-05	-2.25978E-05	0.00000E+00
3687	1.16940E-04	-1.99041E-06	9.13721E-06	-5.08662E-06	-3.81034E-06	0.00000E+00
3688	1.05323E-05	-8.14623E-08	3.86246E-06	-1.26813E-05	-1.89523E-06	0.00000E+00
3689	9.43480E-05	-8.94648E-07	2.57579E-05	-4.09828E-06	-2.01645E-05	0.00000E+00
3690	7.89925E-05	-1.11883E-07	2.56916E-05	-1.29968E-05	-2.13517E-05	0.00000E+00
3691	1.14613E-04	-2.04206E-06	1.14066E-05	-5.17301E-06	-5.09432E-06	0.00000E+00
3692	1.64079E-05	8.97828E-07	6.67579E-06	-1.29884E-05	-3.71922E-06	0.00000E+00
3693	9.61889E-05	-1.08029E-06	2.47967E-05	-4.22617E-06	-1.79023E-05	0.00000E+00
3694	7.30726E-05	2.65493E-07	2.47263E-05	-1.29262E-05	-1.96230E-05	0.00000E+00
3695	1.12245E-04	-1.91313E-06	1.33282E-05	-5.25403E-06	-6.36954E-06	0.00000E+00
3696	2.23113E-05	3.32570E-07	8.08452E-06	-1.29564E-05	-5.60947E-06	0.00000E+00
3697	9.81841E-05	-1.26076E-06	2.35838E-05	-4.56609E-06	-1.56868E-05	0.00000E+00
3698	6.72875E-05	2.15743E-07	2.34205E-05	-1.26368E-05	-1.78586E-05	0.00000E+00
3699	1.09843E-04	-1.90909E-06	1.54209E-05	-5.30764E-06	-7.65537E-06	0.00000E+00
3700	2.81493E-05	1.08453E-06	1.07683E-05	-1.27815E-05	-7.42071E-06	0.00000E+00
3701	1.00347E-04	-1.42992E-06	2.22567E-05	-4.88946E-06	-1.36960E-05	0.00000E+00
3702	6.16447E-05	6.50006E-07	2.20874E-05	-1.23760E-05	-1.62432E-05	0.00000E+00
3703	1.07424E-04	-1.76882E-06	1.72249E-05	-5.31614E-06	-8.98207E-06	0.00000E+00
3704	3.38878E-05	5.37455E-07	1.24608E-05	-1.25683E-05	-9.09153E-06	0.00000E+00
3705	1.02638E-04	-1.55253E-06	2.06890E-05	-5.12389E-06	-1.19469E-05	0.00000E+00
3706	5.61003E-05	4.46940E-07	2.03522E-05	-1.22195E-05	-1.47762E-05	0.00000E+00
3707	1.05011E-04	-1.70548E-06	1.90835E-05	-5.26134E-06	-1.03949E-05	0.00000E+00
3708	3.95275E-05	1.08604E-06	1.49046E-05	-1.23756E-05	-1.06207E-05	0.00000E+00
3709	5.05978E-05	9.31525E-07	1.87554E-05	-1.21778E-05	-1.34011E-05	0.00000E+00
3710	4.50875E-05	5.62688E-07	1.66369E-05	-1.22370E-05	-1.20378E-05	0.00000E+00
3711	1.23968E-04	-1.37534E-06	3.01972E-06	5.39043E-06	-5.96883E-07	0.00000E+00

3712	1.25335E-04	-3.47403E-05	1.82360E-06	5.24693E-06	3.69877E-07	0.00000E+00
3713	1.25337E-04	-3.87393E-05	1.64250E-06	5.20734E-06	3.62960E-07	0.00000E+00
3714	1.25347E-04	-4.27566E-05	1.46508E-06	5.19016E-06	3.55775E-07	0.00000E+00
3715	-9.00555E-08	2.18282E-06	1.02236E-06	-7.27309E-06	1.47811E-06	0.00000E+00
3716	9.47595E-08	1.60484E-06	1.36965E-06	1.43296E-06	-5.92359E-07	-8.42308E-06
3717	4.43058E-06	1.12967E-06	2.02929E-06	-1.63886E-06	-2.39166E-06	0.00000E+00
3718	8.79060E-06	1.44326E-06	2.91719E-06	-2.14440E-06	-4.87318E-06	0.00000E+00
3719	1.32421E-05	8.47897E-07	4.01478E-06	-2.67717E-06	-7.35485E-06	0.00000E+00
3720	1.77521E-05	1.35813E-06	5.35721E-06	-3.15051E-06	-9.30570E-06	0.00000E+00
3721	2.23452E-05	7.34016E-07	6.86015E-06	-3.41596E-06	-1.13261E-05	0.00000E+00
3722	2.69557E-05	1.29780E-06	8.44849E-06	-3.51015E-06	-1.28005E-05	0.00000E+00
3723	3.16041E-05	7.66101E-07	1.00505E-05	-3.51569E-06	-1.43693E-05	0.00000E+00
3724	3.62772E-05	1.29915E-06	1.16382E-05	-3.42535E-06	-1.55122E-05	0.00000E+00
3725	4.09470E-05	8.97666E-07	1.31614E-05	-3.27080E-06	-1.67009E-05	0.00000E+00
3726	4.56484E-05	1.36737E-06	1.45975E-05	-3.03845E-06	-1.75451E-05	0.00000E+00
3727	5.03227E-05	1.11115E-06	1.59041E-05	-2.74684E-06	-1.84069E-05	0.00000E+00
3728	5.50263E-05	1.51342E-06	1.70584E-05	-2.38614E-06	-1.89959E-05	0.00000E+00
3729	5.96969E-05	1.42014E-06	1.80217E-05	-1.96689E-06	-1.95881E-05	0.00000E+00
3730	6.43728E-05	1.77516E-06	1.87763E-05	-1.49903E-06	-1.99610E-05	0.00000E+00
3731	6.90020E-05	1.86851E-06	1.93008E-05	-9.52940E-07	-2.03993E-05	0.00000E+00
3732	7.35652E-05	2.20885E-06	1.95700E-05	3.16804E-07	-2.05541E-05	-7.30614E-06
3733	8.18988E-05	2.34273E-06	1.93915E-05	-7.48528E-06	3.14454E-07	0.00000E+00
3734	7.71646E-05	2.36511E-06	1.95778E-05	3.44929E-07	-1.96737E-05	0.00000E+00
3735	8.06780E-05	2.64201E-06	1.93283E-05	8.84277E-07	-1.85446E-05	0.00000E+00
3736	8.41868E-05	2.78252E-06	1.88480E-05	1.36074E-06	-1.74468E-05	0.00000E+00
3737	8.76324E-05	2.95703E-06	1.81505E-05	1.80338E-06	-1.62636E-05	0.00000E+00
3738	9.10674E-05	3.06593E-06	1.72527E-05	2.19128E-06	-1.50749E-05	0.00000E+00
3739	9.44542E-05	3.17237E-06	1.61847E-05	2.52814E-06	-1.38126E-05	0.00000E+00
3740	9.78129E-05	3.26765E-06	1.49662E-05	2.82219E-06	-1.25670E-05	0.00000E+00
3741	1.01130E-04	3.32679E-06	1.36223E-05	3.07089E-06	-1.12441E-05	0.00000E+00
3742	1.04410E-04	3.41655E-06	1.21700E-05	3.28140E-06	-9.95786E-06	0.00000E+00
3743	1.07657E-04	3.43839E-06	1.06322E-05	3.44803E-06	-8.58472E-06	0.00000E+00
3744	1.10865E-04	3.51885E-06	9.02567E-06	3.57526E-06	-7.26637E-06	0.00000E+00
3745	1.14057E-04	3.51273E-06	7.37233E-06	3.66018E-06	-5.85053E-06	0.00000E+00
3746	1.17207E-04	3.56109E-06	5.69088E-06	3.69172E-06	-4.47290E-06	0.00000E+00
3747	1.20354E-04	3.52673E-06	4.00622E-06	3.68624E-06	-3.00535E-06	0.00000E+00
3748	1.20495E-04	1.22869E-06	4.88968E-06	-4.71445E-06	-1.77949E-06	-6.50396E-06
3749	1.20617E-04	-9.87230E-08	5.23053E-06	5.14909E-06	-1.63249E-06	0.00000E+00
3750	1.21038E-04	-4.41499E-07	4.95491E-06	-6.03997E-06	-1.41045E-06	0.00000E+00
3751	1.20677E-04	-1.35919E-06	5.52236E-06	5.47708E-06	-1.34358E-06	0.00000E+00
3752	1.20993E-04	-1.82834E-05	5.46075E-06	5.78604E-06	4.60777E-07	0.00000E+00
3753	1.20959E-04	-1.59059E-05	5.61320E-06	5.69305E-06	5.39983E-07	0.00000E+00
3754	1.20973E-04	-2.06824E-05	5.33053E-06	-5.51567E-06	3.39368E-07	-7.86389E-06
3755	1.20954E-04	-1.35758E-05	5.77394E-06	5.94089E-06	4.58591E-07	0.00000E+00
3756	1.21062E-04	-1.89805E-05	5.36854E-06	-7.79761E-06	2.05519E-07	0.00000E+00
3757	1.21004E-04	-2.20940E-05	5.27587E-06	5.45556E-06	3.69470E-07	0.00000E+00
3758	1.20954E-04	-1.12724E-05	5.86614E-06	-5.82842E-06	2.11882E-07	-7.83641E-06
3759	1.21119E-04	-1.72680E-05	5.33185E-06	-7.80047E-06	1.76685E-07	0.00000E+00
3760	1.20987E-04	-2.34803E-05	5.20300E-06	5.37618E-06	4.37521E-07	0.00000E+00
3761	1.21188E-04	-1.56020E-05	5.37386E-06	-7.76951E-06	2.67494E-07	0.00000E+00
3762	1.21306E-04	-1.38796E-05	5.36117E-06	-5.51566E-06	5.07606E-07	-7.76357E-06
3763	1.21010E-04	-9.46603E-06	5.92590E-06	-7.80224E-06	1.14521E-07	0.00000E+00
3764	1.21214E-04	-1.14554E-05	5.55593E-06	5.68258E-06	7.03655E-07	0.00000E+00
3765	1.21422E-04	-1.70962E-05	5.16612E-06	5.45504E-06	5.07232E-07	0.00000E+00
3766	1.21083E-04	-8.97757E-06	5.76984E-06	5.78945E-06	6.51485E-07	0.00000E+00
3767	1.20964E-04	-6.53683E-06	5.92290E-06	5.82723E-06	2.67696E-07	0.00000E+00
3768	1.20844E-04	-4.08370E-06	5.89810E-06	-5.77999E-06	-4.54733E-07	-7.48169E-06
3769	1.20715E-04	-2.75350E-06	5.75168E-06	5.68462E-06	-9.51153E-07	0.00000E+00
3770	1.20950E-04	-5.89109E-06	5.91935E-06	-7.57456E-06	-2.70827E-07	0.00000E+00
3771	1.21497E-04	-2.02489E-05	4.97700E-06	5.36642E-06	4.66627E-07	0.00000E+00
3772	1.21015E-04	-7.65340E-06	5.87811E-06	-7.71195E-06	-7.29445E-08	0.00000E+00
3773	1.21181E-04	-2.63752E-05	4.97977E-06	-9.39840E-06	-4.48455E-07	0.00000E+00

3774	1.20987E-04	-2.63208E-05	5.01423E-06	-5.18995E-06	5.19832E-07	-7.84543E-06
3775	1.21300E-04	-2.63983E-05	4.82471E-06	-9.35221E-06	-4.97970E-07	0.00000E+00
3776	1.21015E-04	-2.49139E-05	5.12263E-06	5.29850E-06	5.17334E-07	0.00000E+00
3777	1.21485E-04	-2.65094E-05	4.75050E-06	-9.43847E-06	-4.90339E-07	0.00000E+00
3778	1.21618E-04	-2.65509E-05	4.63229E-06	-5.25801E-06	4.60362E-07	-7.92220E-06
3779	1.21581E-04	-2.34300E-05	4.80480E-06	5.31410E-06	4.38447E-07	0.00000E+00
3780	1.21678E-04	-3.06862E-05	4.40301E-06	5.23737E-06	4.55701E-07	0.00000E+00
3781	1.21675E-04	-3.47249E-05	4.18864E-06	5.18916E-06	4.15472E-07	0.00000E+00
3782	4.87787E-08	-7.01517E-07	1.41457E-06	2.28817E-06	3.99612E-07	-9.63805E-06
3783	8.14299E-05	-4.63409E-07	2.69818E-05	1.23614E-07	-2.24619E-05	-8.49102E-06
3784	1.18305E-04	-3.91921E-07	7.02557E-06	-6.07675E-06	-2.65432E-06	0.00000E+00
3785	4.80643E-06	-1.02927E-06	2.43998E-06	-1.07054E-05	-4.20630E-07	0.00000E+00
3786	8.44174E-05	-4.49796E-07	2.64615E-05	-6.20331E-06	-2.12335E-05	0.00000E+00
3787	7.65624E-05	-5.76885E-07	2.64300E-05	-1.12970E-05	-2.19299E-05	0.00000E+00
3788	1.15549E-04	-4.71269E-07	9.27529E-06	-6.12913E-06	-3.92991E-06	0.00000E+00
3789	9.86300E-06	-4.74914E-07	4.58416E-06	-1.11513E-05	-2.18298E-06	0.00000E+00
3790	8.70852E-05	-3.69858E-07	2.57694E-05	-5.93455E-06	-1.91018E-05	0.00000E+00
3791	7.12757E-05	-4.89365E-07	2.57347E-05	-1.16384E-05	-2.03975E-05	0.00000E+00
3792	1.12760E-04	-3.97917E-07	1.12917E-05	-6.19796E-06	-5.16391E-06	0.00000E+00
3793	1.50223E-05	-1.11996E-06	6.07522E-06	-1.13761E-05	-4.17291E-06	0.00000E+00
3794	8.98067E-05	-3.76535E-07	2.47700E-05	-6.04816E-06	-1.68793E-05	0.00000E+00
3795	6.60449E-05	-6.74031E-07	2.46682E-05	-1.15175E-05	-1.87117E-05	0.00000E+00
3796	1.09938E-04	-4.67615E-07	1.34329E-05	-6.27083E-06	-6.38456E-06	0.00000E+00
3797	2.02197E-05	-3.86753E-07	8.58591E-06	-1.14181E-05	-6.11786E-06	0.00000E+00
3798	9.26088E-05	-3.78339E-07	2.36181E-05	-6.20334E-06	-1.48497E-05	0.00000E+00
3799	6.08999E-05	-4.44158E-07	2.35104E-05	-1.13589E-05	-1.71789E-05	0.00000E+00
3800	1.07081E-04	-4.02943E-07	1.53442E-05	-6.33578E-06	-7.59323E-06	0.00000E+00
3801	2.53958E-05	-9.68734E-07	1.03595E-05	-1.13719E-05	-7.90411E-06	0.00000E+00
3802	9.54745E-05	-3.83379E-07	2.22281E-05	-6.32273E-06	-1.30777E-05	0.00000E+00
3803	5.58186E-05	-7.16430E-07	2.19992E-05	-1.12356E-05	-1.58113E-05	0.00000E+00
3804	1.04195E-04	-4.46787E-07	1.73001E-05	-6.38444E-06	-8.82991E-06	0.00000E+00
3805	3.05357E-05	-3.41401E-07	1.28055E-05	-1.13011E-05	-9.50307E-06	0.00000E+00
3806	9.83760E-05	-4.13977E-07	2.07417E-05	-6.38940E-06	-1.15203E-05	0.00000E+00
3807	5.07756E-05	-3.82962E-07	2.04987E-05	-1.11667E-05	-1.45922E-05	0.00000E+00
3808	1.01289E-04	-3.97397E-07	1.90365E-05	-6.40599E-06	-1.01217E-05	0.00000E+00
3809	3.56354E-05	-8.50469E-07	1.46481E-05	-1.12281E-05	-1.09218E-05	0.00000E+00
3810	4.57426E-05	-7.68942E-07	1.86026E-05	-1.11495E-05	-1.34046E-05	0.00000E+00
3811	4.07017E-05	-3.43111E-07	1.68650E-05	-1.11747E-05	-1.22142E-05	0.00000E+00
3812	1.21705E-04	-3.87863E-05	3.99079E-06	5.15062E-06	3.89430E-07	0.00000E+00
3813	1.21700E-04	-4.27236E-05	3.80318E-06	5.12977E-06	3.71695E-07	0.00000E+00
3814	3.83880E-07	-1.95741E-06	1.06246E-06	3.38964E-06	5.43886E-07	-9.80463E-06
3815	4.74601E-06	-1.70743E-06	2.74791E-06	3.59162E-06	-8.24626E-07	-1.01622E-05
3816	8.99143E-06	-2.23956E-06	4.35566E-06	3.99711E-06	-3.05378E-06	-1.04336E-05
3817	1.33970E-05	-1.76969E-06	6.39133E-06	4.36253E-06	-5.13240E-06	-1.06739E-05
3818	1.78737E-05	-2.38336E-06	8.33342E-06	4.63156E-06	-7.04319E-06	-1.07471E-05
3819	2.24097E-05	-1.80105E-06	1.06114E-05	4.70803E-06	-8.71109E-06	-1.07684E-05
3820	2.69867E-05	-2.31775E-06	1.26263E-05	4.60151E-06	-1.01660E-05	-1.07691E-05
3821	3.16026E-05	-1.75319E-06	1.48257E-05	4.50871E-06	-1.14135E-05	-1.07467E-05
3822	3.62249E-05	-2.14864E-06	1.67426E-05	4.24338E-06	-1.25188E-05	-1.07376E-05
3823	4.08828E-05	-1.64130E-06	1.87197E-05	4.00887E-06	-1.34732E-05	-1.07254E-05
3824	4.55231E-05	-1.90721E-06	2.04102E-05	3.64308E-06	-1.43681E-05	-1.07338E-05
3825	5.01933E-05	-1.46823E-06	2.20685E-05	3.29355E-06	-1.51966E-05	-1.07616E-05
3826	5.48350E-05	-1.59608E-06	2.34330E-05	2.84766E-06	-1.60642E-05	-1.08071E-05
3827	5.94936E-05	-1.21342E-06	2.46947E-05	2.38270E-06	-1.69684E-05	-1.08811E-05
3828	6.41286E-05	-1.17846E-06	2.56345E-05	1.84721E-06	-1.79768E-05	-1.08992E-05
3829	6.87469E-05	-8.19462E-07	2.64277E-05	1.30874E-06	-1.88902E-05	-1.06791E-05
3830	7.32757E-05	-5.23711E-07	2.68164E-05	3.17913E-08	-1.91525E-05	-8.57134E-06
3831	7.68806E-05	-6.92532E-08	2.64370E-05	-1.25280E-06	-1.81769E-05	-7.06227E-06
3832	8.04379E-05	1.27244E-07	2.56871E-05	-1.78985E-06	-1.65947E-05	-6.85514E-06
3833	8.39407E-05	3.52692E-07	2.47555E-05	-2.27909E-06	-1.50001E-05	-6.86084E-06
3834	8.74303E-05	5.04243E-07	2.35721E-05	-2.73232E-06	-1.35296E-05	-6.90937E-06
3835	9.08809E-05	6.36886E-07	2.22346E-05	-3.11980E-06	-1.21928E-05	-6.92305E-06

3836	9.42998E-05	7.64161E-07	2.07012E-05	-3.45391E-06	-1.09552E-05	-6.91711E-06
3837	9.76836E-05	8.39498E-07	1.90606E-05	-3.76051E-06	-9.78425E-06	-6.88024E-06
3838	1.01028E-04	9.57825E-07	1.72531E-05	-4.00829E-06	-8.65788E-06	-6.82956E-06
3839	1.04342E-04	9.88885E-07	1.53853E-05	-4.23765E-06	-7.54405E-06	-6.76404E-06
3840	1.07616E-04	1.10171E-06	1.33736E-05	-4.40955E-06	-6.43856E-06	-6.69892E-06
3841	1.10871E-04	1.09749E-06	1.13481E-05	-4.55335E-06	-5.30971E-06	-6.62917E-06
3842	1.14090E-04	1.19632E-06	9.20695E-06	-4.66134E-06	-4.16795E-06	-6.57819E-06
3843	1.17313E-04	1.17589E-06	7.08378E-06	-4.72367E-06	-2.97296E-06	-6.52716E-06
3844	1.17342E-04	-8.28310E-08	7.60543E-06	5.13937E-06	-2.51298E-06	0.00000E+00
3845	1.17402E-04	-1.46141E-06	8.04062E-06	5.45379E-06	-1.95500E-06	0.00000E+00
3846	1.17476E-04	-2.74449E-06	8.35929E-06	5.64057E-06	-1.25897E-06	0.00000E+00
3847	1.17401E-04	-1.81938E-05	7.99769E-06	5.47441E-06	6.18271E-07	0.00000E+00
3848	1.17409E-04	-1.58359E-05	8.19079E-06	5.62602E-06	6.44429E-07	0.00000E+00
3849	1.17431E-04	-2.06196E-05	7.82649E-06	-5.42735E-06	4.94507E-07	-7.81993E-06
3850	1.17392E-04	-1.34913E-05	8.38144E-06	5.64347E-06	5.94488E-07	0.00000E+00
3851	1.17537E-04	-1.89044E-05	7.81519E-06	-7.77838E-06	2.31434E-07	0.00000E+00
3852	1.17417E-04	-2.19896E-05	7.72390E-06	5.34541E-06	5.91820E-07	0.00000E+00
3853	1.17383E-04	-1.12138E-05	8.53940E-06	-5.76982E-06	3.68569E-07	-7.78615E-06
3854	1.17602E-04	-1.72562E-05	7.85414E-06	-7.72626E-06	1.99472E-07	0.00000E+00
3855	1.17449E-04	-2.34189E-05	7.61419E-06	5.27366E-06	6.21024E-07	0.00000E+00
3856	1.17494E-04	-9.39364E-06	8.51031E-06	-7.72296E-06	2.78788E-07	0.00000E+00
3857	1.17681E-04	-1.55608E-05	7.83306E-06	-7.68965E-06	3.29558E-07	0.00000E+00
3858	1.17431E-04	-2.48109E-05	7.50259E-06	5.21090E-06	5.91159E-07	0.00000E+00
3859	1.17835E-04	-1.39102E-05	7.84964E-06	-5.44756E-06	6.43701E-07	-7.62937E-06
3860	1.17751E-04	-1.14291E-05	8.09234E-06	5.52606E-06	8.85172E-07	0.00000E+00
3861	1.17909E-04	-1.70819E-05	7.60900E-06	5.33377E-06	6.05428E-07	0.00000E+00
3862	1.17566E-04	-7.64554E-06	8.55768E-06	-7.56293E-06	1.19549E-07	0.00000E+00
3863	1.17679E-04	-9.00198E-06	8.35605E-06	5.62510E-06	7.78961E-07	0.00000E+00
3864	1.17986E-04	-2.02985E-05	7.38530E-06	5.25471E-06	5.58511E-07	0.00000E+00
3865	1.17591E-04	-6.53342E-06	8.53459E-06	5.71937E-06	3.40811E-07	0.00000E+00
3866	1.17497E-04	-4.13193E-06	8.53489E-06	-5.73742E-06	-4.15090E-07	-7.38487E-06
3867	1.17576E-04	-5.85955E-06	8.52692E-06	-7.42891E-06	-1.14442E-07	0.00000E+00
3868	1.18027E-04	-2.34420E-05	7.18080E-06	5.17751E-06	5.04066E-07	0.00000E+00
3869	1.17618E-04	-2.62980E-05	7.26618E-06	-9.30676E-06	-5.04930E-07	0.00000E+00
3870	1.17468E-04	-2.62581E-05	7.40696E-06	-5.22244E-06	5.51332E-07	-7.78355E-06
3871	1.17801E-04	-2.64290E-05	7.20913E-06	-9.32107E-06	-4.51857E-07	0.00000E+00
3872	1.17921E-04	-2.64985E-05	7.08252E-06	-9.34312E-06	-4.44880E-07	0.00000E+00
3873	1.18078E-04	-2.66300E-05	6.99276E-06	-5.13524E-06	4.85821E-07	-7.78882E-06
3874	1.18083E-04	-3.07060E-05	6.74959E-06	5.11019E-06	4.89138E-07	0.00000E+00
3875	1.18106E-04	-3.48097E-05	6.51677E-06	5.07782E-06	4.52733E-07	0.00000E+00
3876	1.18092E-04	-3.87847E-05	6.30197E-06	5.04352E-06	4.17478E-07	0.00000E+00
3877	1.18092E-04	-4.27747E-05	6.10372E-06	5.02409E-06	3.86698E-07	0.00000E+00
3878	8.16734E-07	-3.19779E-06	8.56294E-07	-4.49664E-06	7.39139E-07	0.00000E+00
3879	4.84606E-06	-3.59537E-06	2.90682E-06	-4.55353E-06	-7.03016E-07	0.00000E+00
3880	9.11604E-06	-3.26946E-06	5.03857E-06	-4.89191E-06	-3.10297E-06	0.00000E+00
3881	1.34804E-05	-3.68273E-06	7.37725E-06	-5.14601E-06	-4.84086E-06	0.00000E+00
3882	1.79299E-05	-3.31156E-06	9.75819E-06	-5.27767E-06	-6.62781E-06	0.00000E+00
3883	2.24319E-05	-3.68386E-06	1.22175E-05	-5.24468E-06	-7.79640E-06	0.00000E+00
3884	2.70110E-05	-3.27658E-06	1.45703E-05	-5.07337E-06	-9.08604E-06	0.00000E+00
3885	3.15721E-05	-3.56678E-06	1.68861E-05	-4.87564E-06	-9.87609E-06	0.00000E+00
3886	3.62234E-05	-3.17308E-06	1.90452E-05	-4.56977E-06	-1.07645E-05	0.00000E+00
3887	4.08099E-05	-3.36878E-06	2.10979E-05	-4.24944E-06	-1.12732E-05	0.00000E+00
3888	4.54917E-05	-3.00808E-06	2.29600E-05	-3.85094E-06	-1.18576E-05	0.00000E+00
3889	5.00839E-05	-3.10166E-06	2.46688E-05	-3.43790E-06	-1.21627E-05	0.00000E+00
3890	5.47593E-05	-2.77235E-06	2.61616E-05	-2.96218E-06	-1.25356E-05	0.00000E+00
3891	5.93435E-05	-2.75199E-06	2.74612E-05	-2.44963E-06	-1.27037E-05	0.00000E+00
3892	6.39675E-05	-2.43035E-06	2.85099E-05	-1.89478E-06	-1.29323E-05	0.00000E+00
3893	6.85218E-05	-2.26761E-06	2.93126E-05	-1.19468E-06	-1.28716E-05	0.00000E+00
3894	7.28496E-05	-1.82297E-06	2.96212E-05	1.29662E-07	-1.25559E-05	0.00000E+00
3895	7.66684E-05	-1.48240E-06	2.91900E-05	1.42343E-06	-1.22122E-05	0.00000E+00
3896	8.02555E-05	-1.21125E-06	2.82841E-05	2.10585E-06	-1.15989E-05	0.00000E+00
3897	8.38040E-05	-1.01229E-06	2.71412E-05	2.60746E-06	-1.08034E-05	0.00000E+00

3898	8.73195E-05	-8.52447E-07	2.57821E-05	3.07156E-06	-1.00366E-05	0.00000E+00
3899	9.07816E-05	-6.93183E-07	2.42456E-05	3.47037E-06	-9.22283E-06	0.00000E+00
3900	9.42273E-05	-5.97977E-07	2.25431E-05	3.81544E-06	-8.44753E-06	0.00000E+00
3901	9.76129E-05	-4.61220E-07	2.07061E-05	4.12453E-06	-7.61766E-06	0.00000E+00
3902	1.00986E-04	-4.11263E-07	1.87358E-05	4.38443E-06	-6.83534E-06	0.00000E+00
3903	1.04301E-04	-2.88468E-07	1.66665E-05	4.61500E-06	-5.97901E-06	0.00000E+00
3904	1.07608E-04	-2.73673E-07	1.44936E-05	4.79765E-06	-5.18026E-06	0.00000E+00
3905	1.10864E-04	-1.64025E-07	1.22577E-05	4.94804E-06	-4.28662E-06	0.00000E+00
3906	1.14129E-04	-1.73897E-07	9.94838E-06	5.06495E-06	-3.45215E-06	0.00000E+00
3907	1.14145E-04	-1.44206E-06	1.05309E-05	5.36820E-06	-2.56541E-06	0.00000E+00
3908	1.14157E-04	-2.82937E-06	1.09332E-05	5.55239E-06	-1.53841E-06	0.00000E+00
3909	1.14197E-04	-4.13418E-06	1.11287E-05	-5.64271E-06	-3.70474E-07	-7.34296E-06
3910	1.13859E-04	-1.81001E-05	1.04606E-05	5.38083E-06	7.55505E-07	0.00000E+00
3911	1.13832E-04	-1.57077E-05	1.06943E-05	5.43559E-06	7.68198E-07	0.00000E+00
3912	1.13857E-04	-2.04819E-05	1.02425E-05	-5.27869E-06	6.54326E-07	-7.84999E-06
3913	1.13829E-04	-1.33967E-05	1.09170E-05	5.55587E-06	6.81485E-07	0.00000E+00
3914	1.14017E-04	-1.88531E-05	1.02754E-05	-7.77796E-06	3.51195E-07	0.00000E+00
3915	1.13884E-04	-2.19048E-05	1.01180E-05	5.21949E-06	7.52670E-07	0.00000E+00
3916	1.13814E-04	-1.10821E-05	1.11022E-05	-5.61834E-06	5.84947E-07	-7.76017E-06
3917	1.14107E-04	-1.71860E-05	1.02652E-05	-7.70616E-06	2.58745E-07	0.00000E+00
3918	1.13868E-04	-2.32793E-05	9.97605E-06	5.14423E-06	8.17469E-07	0.00000E+00
3919	1.14007E-04	-9.34134E-06	1.11484E-05	-7.69281E-06	5.17099E-07	0.00000E+00
3920	1.14208E-04	-1.55872E-05	1.02912E-05	-7.63632E-06	4.02843E-07	0.00000E+00
3921	1.13904E-04	-2.47230E-05	9.82764E-06	5.06103E-06	8.31229E-07	0.00000E+00
3922	1.14159E-04	-7.57457E-06	1.11251E-05	-7.52394E-06	3.33022E-07	0.00000E+00
3923	1.14390E-04	-1.39094E-05	1.02830E-05	-5.30842E-06	7.67195E-07	-7.58452E-06
3924	1.13885E-04	-2.61198E-05	9.67851E-06	-5.00862E-06	7.56719E-07	-7.82308E-06
3925	1.14350E-04	-1.14887E-05	1.05714E-05	5.41747E-06	1.04908E-06	0.00000E+00
3926	1.14447E-04	-1.71501E-05	9.99647E-06	5.19882E-06	7.23518E-07	0.00000E+00
3927	1.14294E-04	-9.00622E-06	1.08842E-05	5.52722E-06	9.36962E-07	0.00000E+00
3928	1.14482E-04	-2.03135E-05	9.72947E-06	5.09155E-06	6.62198E-07	0.00000E+00
3929	1.14233E-04	-5.88655E-06	1.11492E-05	-7.39600E-06	4.06729E-08	0.00000E+00
3930	1.14246E-04	-6.59417E-06	1.11068E-05	5.63420E-06	4.51733E-07	0.00000E+00
3931	1.14523E-04	-2.35339E-05	9.48857E-06	5.01106E-06	5.91421E-07	0.00000E+00
3932	1.14534E-04	-2.66655E-05	9.27697E-06	-4.95984E-06	4.99795E-07	-7.79341E-06
3933	1.14120E-04	-2.62686E-05	9.58562E-06	-9.23780E-06	-5.36816E-07	0.00000E+00
3934	1.14256E-04	-2.63757E-05	9.45901E-06	-9.21279E-06	-4.32015E-07	0.00000E+00
3935	1.14405E-04	-2.65661E-05	9.39290E-06	-9.22305E-06	-4.11613E-07	0.00000E+00
3936	1.14548E-04	-3.08173E-05	9.02768E-06	4.93577E-06	5.09247E-07	0.00000E+00
3937	1.14535E-04	-3.48428E-05	8.78157E-06	4.91185E-06	4.83213E-07	0.00000E+00
3938	1.14528E-04	-3.88920E-05	8.55355E-06	4.88779E-06	4.40418E-07	0.00000E+00
3939	1.14511E-04	-4.27744E-05	8.34612E-06	4.87257E-06	4.00671E-07	0.00000E+00
3940	9.30160E-07	-7.28973E-06	-1.44518E-07	-7.17067E-06	9.05726E-06	0.00000E+00
3941	9.66536E-07	-1.49234E-05	-1.81694E-07	-6.66805E-06	1.41182E-05	0.00000E+00
3942	1.15851E-06	-4.92068E-06	5.89066E-07	-5.35549E-06	9.47359E-07	0.00000E+00
3943	4.93591E-06	-4.78350E-06	3.05785E-06	-5.44903E-06	-4.74334E-07	0.00000E+00
3944	9.24482E-06	-5.01829E-06	5.63005E-06	-5.67115E-06	-2.50084E-06	0.00000E+00
3945	1.35344E-05	-4.81061E-06	8.29316E-06	-5.80532E-06	-3.97902E-06	0.00000E+00
3946	1.79799E-05	-5.02631E-06	1.09786E-05	-5.80530E-06	-5.29346E-06	0.00000E+00
3947	2.24703E-05	-4.79704E-06	1.36302E-05	-5.67570E-06	-6.21487E-06	0.00000E+00
3948	2.69923E-05	-4.95634E-06	1.61894E-05	-5.44006E-06	-7.08588E-06	0.00000E+00
3949	3.15953E-05	-4.70677E-06	1.86268E-05	-5.15472E-06	-7.66711E-06	0.00000E+00
3950	3.61516E-05	-4.80185E-06	2.09151E-05	-4.80011E-06	-8.19840E-06	0.00000E+00
3951	4.08123E-05	-4.55164E-06	2.30325E-05	-4.40856E-06	-8.49477E-06	0.00000E+00
3952	4.53787E-05	-4.57712E-06	2.49604E-05	-3.96854E-06	-8.73287E-06	0.00000E+00
3953	5.00532E-05	-4.32985E-06	2.66832E-05	-3.49809E-06	-8.77104E-06	0.00000E+00
3954	5.46093E-05	-4.27677E-06	2.81852E-05	-2.98199E-06	-8.73560E-06	0.00000E+00
3955	5.92549E-05	-4.01963E-06	2.94481E-05	-2.42521E-06	-8.51523E-06	0.00000E+00
3956	6.37664E-05	-3.87303E-06	3.04534E-05	-1.82162E-06	-8.20182E-06	0.00000E+00
3957	6.83064E-05	-3.55567E-06	3.11473E-05	-1.00612E-06	-7.67918E-06	0.00000E+00
3958	7.25052E-05	-3.22028E-06	3.13425E-05	2.56252E-07	-7.21426E-06	0.00000E+00
3959	7.64462E-05	-2.85494E-06	3.09023E-05	1.49617E-06	-7.11637E-06	0.00000E+00

3960	8.00697E-05	-2.57577E-06	2.99793E-05	2.27218E-06	-7.07218E-06	0.00000E+00
3961	8.36823E-05	-2.38693E-06	2.87693E-05	2.81385E-06	-6.87131E-06	0.00000E+00
3962	8.71910E-05	-2.18443E-06	2.73339E-05	3.29392E-06	-6.59028E-06	0.00000E+00
3963	9.07039E-05	-2.06805E-06	2.57001E-05	3.71186E-06	-6.21622E-06	0.00000E+00
3964	9.41346E-05	-1.90435E-06	2.38943E-05	4.07264E-06	-5.79637E-06	0.00000E+00
3965	9.75646E-05	-1.83684E-06	2.19380E-05	4.38996E-06	-5.31195E-06	0.00000E+00
3966	1.00926E-04	-1.69946E-06	1.98501E-05	4.66166E-06	-4.81309E-06	0.00000E+00
3967	1.04279E-04	-1.66757E-06	1.76484E-05	4.89679E-06	-4.26661E-06	0.00000E+00
3968	1.07584E-04	-1.54924E-06	1.53500E-05	5.08863E-06	-3.72442E-06	0.00000E+00
3969	1.10875E-04	-1.54602E-06	1.29727E-05	5.24613E-06	-3.13914E-06	0.00000E+00
3970	1.10884E-04	-2.82985E-06	1.34585E-05	5.42866E-06	-1.82924E-06	0.00000E+00
3971	1.10883E-04	-4.21414E-06	1.36838E-05	-5.52202E-06	-3.52508E-07	-7.36530E-06
3972	1.10894E-04	-5.84480E-06	1.36845E-05	-7.41060E-06	1.74128E-07	0.00000E+00
3973	1.10906E-04	-6.61021E-06	1.36327E-05	5.51066E-06	5.91308E-07	0.00000E+00
3974	1.10278E-04	-1.79251E-05	1.28633E-05	5.22324E-06	8.52883E-07	0.00000E+00
3975	1.10276E-04	-1.55835E-05	1.31278E-05	5.30816E-06	8.85567E-07	0.00000E+00
3976	1.10306E-04	-2.03657E-05	1.26156E-05	-5.14057E-06	7.87288E-07	-7.84385E-06
3977	1.10253E-04	-1.32212E-05	1.33982E-05	5.41983E-06	9.05333E-07	0.00000E+00
3978	1.10493E-04	-1.87244E-05	1.26272E-05	-7.78484E-06	4.35161E-07	0.00000E+00
3979	1.10298E-04	-2.17268E-05	1.24524E-05	5.06451E-06	9.66092E-07	0.00000E+00
3980	1.10246E-04	-1.09602E-05	1.36721E-05	-5.53604E-06	8.51805E-07	-7.77477E-06
3981	1.10615E-04	-1.71736E-05	1.26581E-05	-7.70839E-06	3.53326E-07	0.00000E+00
3982	1.10335E-04	-2.31699E-05	1.22705E-05	4.98355E-06	1.02420E-06	0.00000E+00
3983	1.10525E-04	-9.20764E-06	1.36683E-05	-7.70545E-06	7.69000E-07	0.00000E+00
3984	1.10747E-04	-1.55536E-05	1.26522E-05	-7.63048E-06	5.13425E-07	0.00000E+00
3985	1.10317E-04	-2.45530E-05	1.20876E-05	4.90581E-06	9.76289E-07	0.00000E+00
3986	1.10757E-04	-7.55388E-06	1.37028E-05	-7.53514E-06	5.47419E-07	0.00000E+00
3987	1.10973E-04	-1.40022E-05	1.26575E-05	-5.16067E-06	9.18699E-07	-7.56102E-06
3988	1.10351E-04	-2.60147E-05	1.19245E-05	-4.88106E-06	8.50926E-07	-7.79956E-06
3989	1.10947E-04	-1.15073E-05	1.29944E-05	5.27516E-06	1.22141E-06	0.00000E+00
3990	1.10989E-04	-1.71748E-05	1.23127E-05	5.02316E-06	8.68185E-07	0.00000E+00
3991	1.10575E-04	-2.61533E-05	1.17665E-05	-9.13778E-06	-5.88481E-07	0.00000E+00
3992	1.10931E-04	-9.09170E-06	1.33615E-05	5.39829E-06	1.11282E-06	0.00000E+00
3993	1.11013E-04	-2.04211E-05	1.19940E-05	4.90474E-06	7.85171E-07	0.00000E+00
3994	1.11017E-04	-2.35758E-05	1.17135E-05	4.81374E-06	6.67361E-07	0.00000E+00
3995	1.11027E-04	-2.67988E-05	1.14831E-05	-4.75965E-06	5.34215E-07	-7.73218E-06
3996	1.10876E-04	-2.65605E-05	1.15814E-05	-9.09876E-06	-4.13925E-07	0.00000E+00
3997	1.11012E-04	-3.08720E-05	1.12177E-05	4.72891E-06	5.33731E-07	0.00000E+00
3998	1.10757E-04	-2.63944E-05	1.16900E-05	-9.10495E-06	-4.33417E-07	0.00000E+00
3999	1.10999E-04	-3.49847E-05	1.09621E-05	4.70802E-06	5.01448E-07	0.00000E+00
4000	1.10977E-04	-3.89422E-05	1.07249E-05	4.69059E-06	4.58217E-07	0.00000E+00
4001	1.10952E-04	-4.29040E-05	1.05106E-05	4.67975E-06	4.11004E-07	0.00000E+00
4002	1.29961E-06	-5.12898E-06	-1.32877E-07	-7.10165E-06	8.45468E-06	0.00000E+00
4003	1.15190E-06	-7.76519E-06	-6.58771E-08	-7.82323E-06	7.93758E-06	0.00000E+00
4004	1.46843E-06	-1.01298E-05	-1.99899E-07	-7.80704E-06	8.51727E-06	0.00000E+00
4005	1.27953E-06	-4.19040E-06	-1.58805E-07	-6.56677E-06	1.02774E-05	0.00000E+00
4006	6.17381E-07	-2.21427E-06	3.48481E-08	-5.87265E-06	8.78698E-06	0.00000E+00
4007	1.33269E-06	-9.49608E-06	-2.71626E-07	-7.05606E-06	9.72700E-06	0.00000E+00
4008	1.19122E-06	-1.24954E-05	-2.06570E-07	-7.74586E-06	9.16606E-06	0.00000E+00
4009	7.84073E-07	-6.22758E-06	-3.18150E-07	-6.75492E-06	9.96392E-06	0.00000E+00
4010	1.26547E-06	-1.32544E-05	-3.83482E-07	-5.68105E-06	1.21840E-05	0.00000E+00
4011	1.21866E-06	-1.73015E-05	-2.64202E-07	-7.48601E-06	1.11679E-05	0.00000E+00
4012	1.69765E-06	-1.99256E-05	-6.10818E-07	-8.02655E-06	1.19877E-05	0.00000E+00
4013	1.14850E-06	-9.59261E-06	-3.08881E-07	-2.14113E-06	1.59089E-05	0.00000E+00
4014	8.84637E-07	-9.10059E-06	-3.26522E-07	-2.95488E-06	1.27059E-05	0.00000E+00
4015	1.64982E-06	-1.73156E-05	-7.30781E-07	-8.26207E-06	1.46097E-05	0.00000E+00
4016	1.26770E-06	-2.26196E-05	-4.02348E-07	-8.53131E-06	1.19822E-05	0.00000E+00
4017	5.07650E-07	-1.00605E-05	-6.54617E-08	-5.16295E-06	1.93223E-05	0.00000E+00
4018	1.27046E-06	-6.20730E-06	2.90948E-07	-6.17522E-06	9.53585E-07	0.00000E+00
4019	5.13482E-06	-6.37052E-06	3.14534E-06	-6.16367E-06	-5.65114E-08	0.00000E+00
4020	9.28505E-06	-6.31413E-06	6.05976E-06	-6.26599E-06	-1.43067E-06	0.00000E+00
4021	1.36176E-05	-6.36703E-06	8.98401E-06	-6.28594E-06	-2.37677E-06	0.00000E+00

4022	1.80163E-05	-6.30722E-06	1.18736E-05	-6.17693E-06	-3.19875E-06	0.00000E+00
4023	2.24819E-05	-6.32483E-06	1.46726E-05	-5.97268E-06	-3.78555E-06	0.00000E+00
4024	2.70180E-05	-6.23742E-06	1.73570E-05	-5.68146E-06	-4.30556E-06	0.00000E+00
4025	3.15475E-05	-6.20929E-06	1.98812E-05	-5.33073E-06	-4.65047E-06	0.00000E+00
4026	3.61623E-05	-6.09613E-06	2.22353E-05	-4.92699E-06	-4.92848E-06	0.00000E+00
4027	4.07182E-05	-6.02475E-06	2.43849E-05	-4.47653E-06	-5.04263E-06	0.00000E+00
4028	4.53658E-05	-5.88941E-06	2.63230E-05	-3.98907E-06	-5.08154E-06	0.00000E+00
4029	4.99193E-05	-5.76876E-06	2.80231E-05	-3.46111E-06	-4.96011E-06	0.00000E+00
4030	5.45579E-05	-5.60348E-06	2.94756E-05	-2.89274E-06	-4.74414E-06	0.00000E+00
4031	5.90744E-05	-5.41817E-06	3.06535E-05	-2.27858E-06	-4.36059E-06	0.00000E+00
4032	6.36482E-05	-5.20483E-06	3.15415E-05	-1.60949E-06	-3.86117E-06	0.00000E+00
4033	6.80251E-05	-4.90749E-06	3.20825E-05	-7.57336E-07	-3.24726E-06	0.00000E+00
4034	7.22787E-05	-4.58969E-06	3.21700E-05	3.55990E-07	-2.84360E-06	0.00000E+00
4035	7.61741E-05	-4.22302E-06	3.17389E-05	1.45215E-06	-2.85037E-06	0.00000E+00
4036	7.99344E-05	-3.97696E-06	3.08700E-05	2.25378E-06	-3.06608E-06	0.00000E+00
4037	8.35175E-05	-3.71863E-06	2.96840E-05	2.85164E-06	-3.19731E-06	0.00000E+00
4038	8.71042E-05	-3.57648E-06	2.82459E-05	3.36712E-06	-3.23156E-06	0.00000E+00
4039	9.05898E-05	-3.37561E-06	2.65861E-05	3.81746E-06	-3.16490E-06	0.00000E+00
4040	9.40771E-05	-3.28955E-06	2.47368E-05	4.20268E-06	-3.03593E-06	0.00000E+00
4041	9.74887E-05	-3.13072E-06	2.27228E-05	4.53751E-06	-2.84626E-06	0.00000E+00
4042	1.00892E-04	-3.08231E-06	2.05683E-05	4.82188E-06	-2.62484E-06	0.00000E+00
4043	1.04242E-04	-2.95452E-06	1.82931E-05	5.06613E-06	-2.37443E-06	0.00000E+00
4044	1.07572E-04	-2.93297E-06	1.59170E-05	5.26447E-06	-2.10694E-06	0.00000E+00
4045	1.07561E-04	-4.22840E-06	1.61648E-05	-5.35069E-06	-3.28365E-07	-7.39899E-06
4046	1.07540E-04	-5.87841E-06	1.61829E-05	-7.44792E-06	3.09497E-07	0.00000E+00
4047	1.07559E-04	-6.71290E-06	1.60917E-05	5.33780E-06	7.17113E-07	0.00000E+00
4048	1.07344E-04	-7.44605E-06	1.61681E-05	-7.57157E-06	7.58843E-07	0.00000E+00
4049	1.07551E-04	-9.12194E-06	1.57701E-05	5.22028E-06	1.30496E-06	0.00000E+00
4050	1.06717E-04	-1.77772E-05	1.51885E-05	5.03461E-06	9.93364E-07	0.00000E+00
4051	1.06687E-04	-1.53637E-05	1.54944E-05	5.12893E-06	1.03041E-06	0.00000E+00
4052	1.06723E-04	-2.01498E-05	1.48925E-05	-4.92866E-06	9.53957E-07	-7.87766E-06
4053	1.06681E-04	-1.30655E-05	1.58105E-05	5.24573E-06	1.04734E-06	0.00000E+00
4054	1.06964E-04	-1.86461E-05	1.49284E-05	-7.80813E-06	5.64494E-07	0.00000E+00
4055	1.06753E-04	-2.15912E-05	1.47017E-05	4.85859E-06	1.14867E-06	0.00000E+00
4056	1.06660E-04	-1.07357E-05	1.61303E-05	-5.32913E-06	1.10504E-06	-7.80515E-06
4057	1.07118E-04	-1.70801E-05	1.49358E-05	-7.72952E-06	4.44268E-07	0.00000E+00
4058	1.06737E-04	-2.29597E-05	1.44839E-05	4.77810E-06	1.24023E-06	0.00000E+00
4059	1.07031E-04	-9.11304E-06	1.61733E-05	-7.73835E-06	1.02582E-06	0.00000E+00
4060	1.07283E-04	-1.56067E-05	1.49533E-05	-7.64994E-06	6.18788E-07	0.00000E+00
4061	1.06778E-04	-2.44216E-05	1.42600E-05	4.69144E-06	1.21698E-06	0.00000E+00
4062	1.07548E-04	-1.40372E-05	1.49475E-05	-4.95127E-06	1.07674E-06	-7.58193E-06
4063	1.06766E-04	-2.58119E-05	1.40487E-05	-4.65051E-06	1.05609E-06	-7.84464E-06
4064	1.07555E-04	-1.16210E-05	1.53417E-05	5.08484E-06	1.42458E-06	0.00000E+00
4065	1.07547E-04	-1.73010E-05	1.45420E-05	4.81382E-06	1.02337E-06	0.00000E+00
4066	1.07063E-04	-2.60989E-05	1.39072E-05	-9.03837E-06	-6.54830E-07	0.00000E+00
4067	1.07535E-04	-2.04709E-05	1.41675E-05	4.68848E-06	9.16229E-07	0.00000E+00
4068	1.07228E-04	-2.63257E-05	1.37818E-05	-8.99224E-06	-4.47797E-07	0.00000E+00
4069	1.07531E-04	-2.37219E-05	1.38428E-05	4.58909E-06	7.66724E-07	0.00000E+00
4070	1.07514E-04	-2.68665E-05	1.35844E-05	-4.52470E-06	5.65414E-07	-7.75769E-06
4071	1.07372E-04	-2.66490E-05	1.37049E-05	-8.97873E-06	-4.17200E-07	0.00000E+00
4072	1.07492E-04	-3.10375E-05	1.33088E-05	4.49696E-06	5.52529E-07	0.00000E+00
4073	1.07466E-04	-3.50630E-05	1.30436E-05	4.47625E-06	5.19209E-07	0.00000E+00
4074	1.07432E-04	-3.91177E-05	1.27994E-05	4.46146E-06	4.70525E-07	0.00000E+00
4075	1.07407E-04	-4.29829E-05	1.25800E-05	4.45313E-06	4.18657E-07	0.00000E+00
4076	1.00665E-06	-2.94114E-06	2.00539E-08	8.09551E-06	8.50787E-07	-7.36431E-06
4077	1.34032E-06	-5.40788E-06	-6.64911E-08	7.74415E-06	7.19490E-07	-7.89064E-06
4078	9.78452E-07	-5.67868E-07	-9.90650E-08	8.23817E-06	7.50599E-07	-6.27105E-06
4079	1.37154E-06	-7.74762E-06	1.89350E-08	7.26210E-06	5.12615E-07	-8.17557E-06
4080	1.53232E-06	-1.02675E-05	-1.58459E-07	7.74736E-06	1.33812E-07	-8.03601E-06
4081	1.32461E-06	-1.27903E-05	-1.52585E-07	8.28256E-06	-5.61160E-08	-8.04190E-06
4082	1.59646E-06	-1.53931E-05	-2.32116E-07	9.00699E-06	-1.21050E-09	-7.99439E-06
4083	0.00000E+00	0.00000E+00	0.00000E+00	1.08453E-05	6.80959E-07	-6.42373E-06

4084	1.05715E-06	4.66442E-07	-1.66274E-08	8.63401E-06	-6.59201E-07	-4.87995E-06
4085	8.63735E-07	-3.30260E-06	-4.16428E-07	9.72467E-06	5.72681E-07	-7.15437E-06
4086	7.42211E-07	2.02655E-06	-1.09636E-07	7.98518E-06	7.58053E-07	-6.02991E-06
4087	1.05160E-06	-1.16015E-05	-3.11014E-07	1.05413E-05	8.60117E-07	-6.35931E-06
4088	1.44186E-06	-1.48456E-05	-3.25790E-07	9.95400E-06	8.94005E-07	-7.54694E-06
4089	1.07459E-06	-8.29510E-06	-4.29545E-07	1.08597E-05	3.41469E-07	-4.94543E-06
4090	1.44066E-06	-1.79049E-05	-2.31996E-07	9.63306E-06	1.93726E-07	-8.05213E-06
4091	9.05828E-07	-4.82280E-06	-3.97661E-07	1.05106E-05	-1.05837E-07	-4.38561E-06
4092	1.74950E-06	-2.12047E-05	-5.07518E-07	1.07544E-05	2.29029E-07	-7.97817E-06
4093	1.40203E-06	-2.43848E-05	-4.10590E-07	1.12110E-05	-2.51074E-07	-8.36901E-06
4094	1.79293E-06	-2.78650E-05	-5.31353E-07	1.17499E-05	3.11129E-07	-8.70407E-06
4095	1.00915E-06	-4.94001E-06	-3.13383E-07	1.50239E-05	-1.04422E-06	2.03319E-08
4096	1.24639E-06	-5.24515E-06	-3.79706E-07	1.19648E-05	-6.95120E-07	-2.37791E-06
4097	1.45778E-06	-4.12033E-06	-2.04108E-07	1.99014E-05	-1.10438E-06	3.69765E-06
4098	1.18822E-06	-1.93655E-05	-4.24284E-07	1.23616E-05	-2.18348E-07	-8.06632E-06
4099	1.68135E-06	-2.56722E-05	-5.29917E-07	1.19907E-05	1.24999E-06	-8.91422E-06
4100	1.30082E-06	-1.34275E-05	-8.84504E-07	1.91559E-05	2.20634E-06	-8.36589E-06
4101	1.60102E-06	-3.09113E-05	-4.65090E-07	1.13144E-05	-8.11900E-07	-8.17146E-06
4102	0.00000E+00	0.00000E+00	0.00000E+00	2.29099E-05	2.18008E-06	1.98199E-06
4103	1.86504E-06	-3.56451E-05	9.93916E-08	-1.06505E-05	-9.40043E-07	0.00000E+00
4104	1.67627E-06	-3.95561E-05	5.53493E-07	-9.58846E-06	-6.19119E-07	0.00000E+00
4105	1.73496E-06	-4.46418E-05	8.39543E-07	-9.10096E-06	-3.73899E-07	0.00000E+00
4106	1.68115E-06	-4.86322E-05	1.00788E-06	-8.89446E-06	-2.71498E-07	0.00000E+00
4107	5.26515E-06	-7.77246E-06	3.13580E-06	6.56850E-06	4.34862E-07	-8.68647E-06
4108	9.35382E-06	-7.72266E-06	6.24760E-06	6.71150E-06	1.68759E-07	-9.24479E-06
4109	1.36740E-05	-7.80477E-06	9.30272E-06	6.58699E-06	-2.95284E-08	-9.60921E-06
4110	1.80433E-05	-7.68580E-06	1.23063E-05	6.40526E-06	-3.00796E-07	-9.80412E-06
4111	2.25114E-05	-7.75746E-06	1.51766E-05	6.14321E-06	-5.07399E-07	-9.94415E-06
4112	2.69995E-05	-7.59857E-06	1.79321E-05	5.80846E-06	-7.11195E-07	-1.00355E-05
4113	3.15530E-05	-7.63558E-06	2.04910E-05	5.41175E-06	-8.32002E-07	-1.00927E-05
4114	3.61035E-05	-7.44928E-06	2.28784E-05	4.97046E-06	-9.28713E-07	-1.01207E-05
4115	4.06992E-05	-7.44609E-06	2.50242E-05	4.47621E-06	-9.24615E-07	-1.01214E-05
4116	4.52705E-05	-7.23493E-06	2.69533E-05	3.95295E-06	-8.87196E-07	-1.00990E-05
4117	4.98688E-05	-7.18419E-06	2.86072E-05	3.37934E-06	-7.39992E-07	-1.00524E-05
4118	5.44218E-05	-6.93481E-06	3.00013E-05	2.77046E-06	-5.52780E-07	-9.97834E-06
4119	5.89771E-05	-6.81992E-06	3.10820E-05	2.10626E-06	-2.49943E-07	-9.86554E-06
4120	6.34495E-05	-6.50681E-06	3.18525E-05	1.39013E-06	9.13958E-08	-9.67391E-06
4121	6.78380E-05	-6.29792E-06	3.22536E-05	5.45985E-07	4.67121E-07	-9.37175E-06
4122	7.20120E-05	-5.90594E-06	3.22644E-05	-4.27430E-07	6.57737E-07	-8.97412E-06
4123	7.59833E-05	-5.65604E-06	3.18495E-05	-1.38806E-06	6.27115E-07	-8.57988E-06
4124	7.97427E-05	-5.30689E-06	3.10584E-05	-2.17448E-06	4.13181E-07	-8.26880E-06
4125	8.34032E-05	-5.13706E-06	2.99338E-05	-2.81564E-06	2.11465E-07	-8.06367E-06
4126	8.69764E-05	-4.87987E-06	2.85372E-05	-3.36416E-06	3.67269E-08	-7.91664E-06
4127	9.05130E-05	-4.77616E-06	2.68955E-05	-3.84415E-06	-7.50436E-08	-7.80106E-06
4128	9.39911E-05	-4.58210E-06	2.50517E-05	-4.24946E-06	-1.67756E-07	-7.69599E-06
4129	9.74391E-05	-4.52148E-06	2.30301E-05	-4.60240E-06	-2.22857E-07	-7.60687E-06
4130	1.00841E-04	-4.37345E-06	2.08606E-05	-4.89518E-06	-2.70826E-07	-7.52406E-06
4131	1.04217E-04	-4.34050E-06	1.85662E-05	-5.15018E-06	-3.01309E-07	-7.45797E-06
4132	1.04165E-04	-5.82583E-06	1.85745E-05	-7.50312E-06	4.43635E-07	0.00000E+00
4133	1.04187E-04	-6.74619E-06	1.84637E-05	5.12531E-06	8.64103E-07	0.00000E+00
4134	1.03909E-04	-7.40513E-06	1.85832E-05	-7.62387E-06	9.65806E-07	0.00000E+00
4135	1.04167E-04	-9.25108E-06	1.80875E-05	4.99728E-06	1.50935E-06	0.00000E+00
4136	1.03519E-04	-8.91187E-06	1.85537E-05	-7.78609E-06	1.26910E-06	0.00000E+00
4137	1.04137E-04	-1.16663E-05	1.75939E-05	4.85532E-06	1.63857E-06	0.00000E+00
4138	1.03115E-04	-1.75164E-05	1.74187E-05	4.80615E-06	1.12930E-06	0.00000E+00
4139	1.03108E-04	-1.51802E-05	1.77679E-05	4.90821E-06	1.17997E-06	0.00000E+00
4140	1.03147E-04	-1.99827E-05	1.70826E-05	-4.70124E-06	1.10364E-06	-7.91383E-06
4141	1.03077E-04	-1.27949E-05	1.81364E-05	5.03811E-06	1.27014E-06	0.00000E+00
4142	1.03420E-04	-1.84657E-05	1.71090E-05	-7.84574E-06	6.56342E-07	0.00000E+00
4143	1.03142E-04	-2.13389E-05	1.68538E-05	4.62352E-06	1.36533E-06	0.00000E+00
4144	1.03066E-04	-1.05419E-05	1.85384E-05	-5.14963E-06	1.36065E-06	-7.85070E-06
4145	1.03606E-04	-1.70666E-05	1.71373E-05	-7.76826E-06	5.42537E-07	0.00000E+00

4146	1.03185E-04	-2.28036E-05	1.65951E-05	4.54018E-06	1.45703E-06	0.00000E+00
4147	1.03804E-04	-1.55768E-05	1.71405E-05	-7.68902E-06	7.38725E-07	0.00000E+00
4148	1.03168E-04	-2.41820E-05	1.63344E-05	4.45713E-06	1.38992E-06	0.00000E+00
4149	1.04119E-04	-1.41798E-05	1.71392E-05	-4.72284E-06	1.25218E-06	-7.61732E-06
4150	1.03203E-04	-2.56644E-05	1.61009E-05	-4.42433E-06	1.18419E-06	-7.86706E-06
4151	1.04086E-04	-1.73578E-05	1.66690E-05	4.57271E-06	1.18421E-06	0.00000E+00
4152	1.03509E-04	-2.59432E-05	1.59053E-05	-8.93585E-06	-7.29493E-07	0.00000E+00
4153	1.04061E-04	-2.06314E-05	1.62360E-05	4.44253E-06	1.05668E-06	0.00000E+00
4154	1.03715E-04	-2.63438E-05	1.58042E-05	-8.88535E-06	-4.74788E-07	0.00000E+00
4155	1.04030E-04	-2.37958E-05	1.58651E-05	4.34221E-06	8.61166E-07	0.00000E+00
4156	1.03846E-04	-2.66513E-05	1.56970E-05	-8.86605E-06	-4.31385E-07	0.00000E+00
4157	1.04004E-04	-2.70489E-05	1.55816E-05	-4.28023E-06	6.05821E-07	-7.75874E-06
4158	1.03967E-04	-3.11299E-05	1.52889E-05	4.24302E-06	5.77600E-07	0.00000E+00
4159	1.03926E-04	-3.52659E-05	1.50147E-05	4.22139E-06	5.33597E-07	0.00000E+00
4160	1.03895E-04	-3.92287E-05	1.47642E-05	4.20752E-06	4.81443E-07	0.00000E+00
4161	1.03842E-04	-4.32074E-05	1.45407E-05	4.20013E-06	4.24552E-07	0.00000E+00
4162	4.61891E-06	-3.06603E-06	3.08891E-06	-8.16219E-06	1.24057E-06	0.00000E+00
4163	4.10286E-06	-5.16593E-07	3.14407E-06	-7.56121E-06	1.34002E-06	0.00000E+00
4164	5.00025E-06	-5.36353E-06	3.17383E-06	-8.46713E-06	9.18344E-07	0.00000E+00
4165	3.66761E-06	1.78685E-06	3.12714E-06	6.66290E-06	1.15193E-06	-7.26302E-06
4166	5.33327E-06	-1.02031E-05	3.24342E-06	-7.38354E-06	-7.84067E-07	0.00000E+00
4167	5.61458E-06	-1.28017E-05	3.55494E-06	-8.11612E-06	-1.15699E-06	0.00000E+00
4168	5.49718E-06	-1.52542E-05	3.91170E-06	-8.94527E-06	-8.98751E-07	0.00000E+00
4169	5.69647E-06	-1.79404E-05	4.03189E-06	9.27802E-06	3.72686E-07	-9.38167E-06
4170	4.12276E-06	-1.85937E-06	3.58762E-06	-6.37388E-06	-9.54672E-07	0.00000E+00
4171	3.62559E-06	-3.28246E-06	3.80767E-06	-8.48704E-06	-5.62781E-07	0.00000E+00
4172	3.26592E-06	5.53127E-07	3.23258E-06	-6.35088E-06	-9.77128E-07	0.00000E+00
4173	3.53159E-06	-5.34379E-06	4.02436E-06	9.48772E-06	-1.39157E-06	-6.69451E-06
4174	4.31422E-06	-1.18834E-05	4.04105E-06	-7.79547E-06	2.45441E-06	0.00000E+00
4175	3.57850E-06	-8.59212E-06	4.07566E-06	-6.69409E-06	1.42172E-06	0.00000E+00
4176	5.11625E-06	-1.48138E-05	4.08449E-06	-8.68094E-06	2.32393E-06	0.00000E+00
4177	5.57928E-06	-2.09909E-05	4.16048E-06	-9.79644E-06	-6.65601E-07	0.00000E+00
4178	3.09106E-06	-5.63191E-06	4.63070E-06	-1.01783E-05	-3.77079E-06	0.00000E+00
4179	5.91434E-06	-2.45036E-05	4.43899E-06	-1.03519E-05	-7.60672E-07	0.00000E+00
4180	5.69027E-06	-2.74881E-05	4.72769E-06	-1.12314E-05	-6.31911E-07	0.00000E+00
4181	5.91699E-06	-3.13042E-05	4.83751E-06	1.13896E-05	2.08597E-07	-9.35280E-06
4182	3.09028E-06	-6.18483E-06	5.51966E-06	-1.04934E-05	-4.42550E-06	0.00000E+00
4183	2.22182E-06	-5.60335E-06	6.40750E-06	-1.00872E-05	-3.42835E-06	0.00000E+00
4184	3.68432E-06	-8.77504E-06	6.91287E-06	9.25747E-06	-1.30837E-06	-1.05423E-05
4185	4.97639E-06	-2.04988E-05	5.58588E-06	5.13153E-07	-2.87380E-06	0.00000E+00
4186	5.58533E-06	-2.51767E-05	5.07393E-06	-5.87760E-07	-1.51788E-06	0.00000E+00
4187	4.28985E-06	-1.20230E-05	7.07703E-06	1.72000E-06	-2.79903E-06	0.00000E+00
4188	5.75677E-06	-3.51237E-05	4.81250E-06	-1.02202E-05	-1.54286E-07	0.00000E+00
4189	5.92155E-06	-4.00866E-05	4.87369E-06	-9.42201E-06	-1.60645E-07	0.00000E+00
4190	5.84400E-06	-4.40987E-05	4.93077E-06	-8.92102E-06	-1.24366E-07	0.00000E+00
4191	5.89177E-06	-4.91795E-05	4.99753E-06	-8.70826E-06	-1.67065E-07	0.00000E+00
4192	9.06612E-06	-5.47906E-06	6.22723E-06	-9.13895E-06	1.23670E-06	0.00000E+00
4193	9.57739E-06	-1.02995E-05	6.51150E-06	-7.20754E-06	-1.66084E-06	0.00000E+00
4194	1.33556E-05	-5.40797E-06	9.34410E-06	-9.55604E-06	1.39475E-06	0.00000E+00
4195	1.37499E-05	-1.01745E-05	9.71030E-06	-6.97774E-06	-2.27126E-06	0.00000E+00
4196	1.77802E-05	-5.58321E-06	1.23008E-05	-9.80064E-06	1.38224E-06	0.00000E+00
4197	1.81856E-05	-1.02746E-05	1.27880E-05	-6.64246E-06	-2.54966E-06	0.00000E+00
4198	2.22796E-05	-5.51155E-06	1.52168E-05	-9.95672E-06	1.32595E-06	0.00000E+00
4199	2.25527E-05	-1.00831E-05	1.57117E-05	-6.26507E-06	-2.64928E-06	0.00000E+00
4200	2.68298E-05	-5.70386E-06	1.79338E-05	-1.00590E-05	1.21305E-06	0.00000E+00
4201	2.70783E-05	-1.01660E-05	1.84584E-05	-5.83377E-06	-2.49728E-06	0.00000E+00
4202	3.14094E-05	-5.64524E-06	2.05305E-05	-1.01170E-05	1.12455E-06	0.00000E+00
4203	3.15480E-05	-9.94285E-06	2.10017E-05	-5.35655E-06	-2.26016E-06	0.00000E+00
4204	3.60037E-05	-5.83164E-06	2.28864E-05	-1.01400E-05	1.03351E-06	0.00000E+00
4205	3.61272E-05	-9.99226E-06	2.33242E-05	-4.84331E-06	-1.85844E-06	0.00000E+00
4206	4.05969E-05	-5.78401E-06	2.50608E-05	-1.01328E-05	1.00402E-06	0.00000E+00
4207	4.06455E-05	-9.75237E-06	2.54054E-05	-4.29186E-06	-1.43670E-06	0.00000E+00

4208	4.51790E-05	-5.95241E-06	2.69650E-05	-1.01001E-05	9.93921E-07	0.00000E+00
4209	4.52386E-05	-9.75761E-06	2.72322E-05	-3.71248E-06	-9.13609E-07	0.00000E+00
4210	4.97369E-05	-5.90232E-06	2.86399E-05	-1.00425E-05	1.05957E-06	0.00000E+00
4211	4.97586E-05	-9.49772E-06	2.87864E-05	-3.09420E-06	-4.07331E-07	0.00000E+00
4212	5.42613E-05	-6.03760E-06	3.00134E-05	-9.95768E-06	1.15174E-06	0.00000E+00
4213	5.43204E-05	-9.44557E-06	3.00530E-05	-2.44009E-06	1.51741E-07	0.00000E+00
4214	5.87356E-05	-5.96534E-06	3.11080E-05	-9.83331E-06	1.32082E-06	0.00000E+00
4215	5.87889E-05	-9.14800E-06	3.10108E-05	-1.74168E-06	6.62125E-07	0.00000E+00
4216	6.31377E-05	-6.04989E-06	3.18577E-05	-9.63914E-06	1.50255E-06	0.00000E+00
4217	6.32455E-05	-9.01604E-06	3.16434E-05	-1.00602E-06	1.16891E-06	0.00000E+00
4218	6.74288E-05	-5.94433E-06	3.22622E-05	-9.34893E-06	1.69076E-06	0.00000E+00
4219	6.75430E-05	-8.65408E-06	3.19313E-05	-2.31243E-07	1.56106E-06	0.00000E+00
4220	7.15731E-05	-5.98919E-06	3.22566E-05	-8.98092E-06	1.75927E-06	0.00000E+00
4221	7.17257E-05	-8.44303E-06	3.18638E-05	5.57500E-07	1.84614E-06	0.00000E+00
4222	7.55533E-05	-5.87372E-06	3.18556E-05	-8.61370E-06	1.70675E-06	0.00000E+00
4223	7.56870E-05	-8.06392E-06	3.14388E-05	1.33020E-06	1.94923E-06	0.00000E+00
4224	7.93862E-05	-5.90782E-06	3.10647E-05	-8.31947E-06	1.53322E-06	0.00000E+00
4225	7.95221E-05	-7.87020E-06	3.06750E-05	2.04780E-06	1.93997E-06	0.00000E+00
4226	8.31052E-05	-5.81036E-06	2.99517E-05	-8.11405E-06	1.34616E-06	0.00000E+00
4227	8.32062E-05	-7.56573E-06	2.95998E-05	2.69539E-06	1.82732E-06	0.00000E+00
4228	8.67440E-05	-5.86056E-06	2.85517E-05	-7.96550E-06	1.15737E-06	0.00000E+00
4229	8.68381E-05	-7.43782E-06	2.82482E-05	3.26603E-06	1.68940E-06	0.00000E+00
4230	9.03203E-05	-5.79354E-06	2.69136E-05	-7.84630E-06	1.00062E-06	0.00000E+00
4231	9.03857E-05	-7.20561E-06	2.66530E-05	3.76453E-06	1.51802E-06	0.00000E+00
4232	9.38449E-05	-5.85463E-06	2.50682E-05	-7.74202E-06	8.47246E-07	0.00000E+00
4233	9.39052E-05	-7.12175E-06	2.48487E-05	4.19019E-06	1.35176E-06	0.00000E+00
4234	9.73232E-05	-5.80536E-06	2.30444E-05	-7.65095E-06	7.12145E-07	0.00000E+00
4235	9.73627E-05	-6.94076E-06	2.28647E-05	4.55592E-06	1.17907E-06	0.00000E+00
4236	1.00762E-04	-5.86558E-06	2.08775E-05	-7.57054E-06	5.74608E-07	0.00000E+00
4237	1.00797E-04	-6.88634E-06	2.07287E-05	4.86344E-06	1.01693E-06	0.00000E+00
4238	1.00447E-04	-7.25795E-06	2.08683E-05	-7.68998E-06	1.16715E-06	0.00000E+00
4239	1.00744E-04	-9.30185E-06	2.02943E-05	4.73210E-06	1.72653E-06	0.00000E+00
4240	9.99816E-05	-8.76800E-06	2.08595E-05	-7.84673E-06	1.51152E-06	0.00000E+00
4241	1.00707E-04	-1.18237E-05	1.97322E-05	4.58380E-06	1.86030E-06	0.00000E+00
4242	9.94423E-05	-1.02160E-05	2.08130E-05	-4.87226E-06	1.60515E-06	-7.90866E-06
4243	1.00661E-04	-1.42404E-05	1.92165E-05	-4.44328E-06	1.42286E-06	-7.67722E-06
4244	9.95194E-05	-1.73120E-05	1.95363E-05	4.53717E-06	1.29377E-06	0.00000E+00
4245	9.94826E-05	-1.48673E-05	1.99349E-05	4.64869E-06	1.35165E-06	0.00000E+00
4246	9.95300E-05	-1.96874E-05	1.91472E-05	-4.42316E-06	1.28093E-06	-7.96044E-06
4247	9.94717E-05	-1.25693E-05	2.03574E-05	4.77961E-06	1.44096E-06	0.00000E+00
4248	9.98578E-05	-1.83618E-05	1.91893E-05	-7.89664E-06	7.83664E-07	0.00000E+00
4249	9.95650E-05	-2.11550E-05	1.88876E-05	4.34845E-06	1.55861E-06	0.00000E+00
4250	1.00075E-04	-1.69476E-05	1.92079E-05	-7.82290E-06	6.28890E-07	0.00000E+00
4251	9.95482E-05	-2.25212E-05	1.85918E-05	4.26678E-06	1.67656E-06	0.00000E+00
4252	1.00304E-04	-1.56524E-05	1.92212E-05	-7.74662E-06	8.45605E-07	0.00000E+00
4253	9.95959E-05	-2.40084E-05	1.82900E-05	4.18179E-06	1.62539E-06	0.00000E+00
4254	9.95877E-05	-2.53967E-05	1.80109E-05	-4.14473E-06	1.38698E-06	-7.92508E-06
4255	1.00612E-04	-1.75322E-05	1.86796E-05	4.29929E-06	1.35239E-06	0.00000E+00
4256	9.99611E-05	-2.58693E-05	1.78193E-05	-8.83291E-06	-8.10005E-07	0.00000E+00
4257	1.00560E-04	-2.07097E-05	1.81872E-05	4.17063E-06	1.19550E-06	0.00000E+00
4258	1.00164E-04	-2.62579E-05	1.76804E-05	-8.78117E-06	-5.00150E-07	0.00000E+00
4259	1.00517E-04	-2.39904E-05	1.77698E-05	4.06927E-06	9.62265E-07	0.00000E+00
4260	1.00315E-04	-2.67640E-05	1.75891E-05	-8.76136E-06	-4.49352E-07	0.00000E+00
4261	1.00475E-04	-2.71468E-05	1.74578E-05	-4.00236E-06	6.46727E-07	-7.82662E-06
4262	1.00422E-04	-3.13492E-05	1.71500E-05	3.96993E-06	6.01503E-07	0.00000E+00
4263	1.00382E-04	-3.53905E-05	1.68658E-05	3.94712E-06	5.49567E-07	0.00000E+00
4264	1.00323E-04	-3.94814E-05	1.66091E-05	3.93322E-06	4.91040E-07	0.00000E+00
4265	1.00290E-04	-4.33679E-05	1.63819E-05	3.92619E-06	4.30088E-07	0.00000E+00
4266	8.50183E-06	-3.01085E-06	6.29068E-06	-8.88391E-06	1.86096E-06	0.00000E+00
4267	7.80375E-06	-7.71243E-07	6.23732E-06	-8.57051E-06	2.14504E-06	0.00000E+00
4268	7.02108E-06	1.92054E-06	6.25976E-06	6.79727E-06	2.03657E-06	-8.45781E-06
4269	7.38268E-06	-4.15860E-07	6.12512E-06	-6.68331E-06	-8.87643E-07	0.00000E+00

4270	9.57441E-06	-1.26795E-05	7.15985E-06	-7.74008E-06	-2.30733E-06	0.00000E+00
4271	9.81442E-06	-1.53273E-05	7.81403E-06	-8.24733E-06	-1.73784E-06	0.00000E+00
4272	9.74623E-06	-1.76708E-05	8.11806E-06	8.65753E-06	-9.13595E-09	-9.10480E-06
4273	9.22224E-06	-1.50453E-05	8.12432E-06	-9.18980E-06	2.94129E-06	0.00000E+00
4274	9.97995E-06	-2.11621E-05	8.37581E-06	-8.90179E-06	-1.22447E-06	0.00000E+00
4275	6.85744E-06	-2.02219E-06	6.63826E-06	-7.10489E-06	-2.23598E-06	0.00000E+00
4276	7.16237E-06	-4.25074E-06	7.40508E-06	-7.59040E-06	-2.51868E-06	0.00000E+00
4277	6.91711E-06	-5.84546E-06	8.14351E-06	8.36379E-06	-2.06771E-06	-8.58706E-06
4278	7.04734E-06	-9.24282E-06	8.14087E-06	-8.60969E-06	2.14423E-06	0.00000E+00
4279	7.04112E-06	-6.96938E-06	8.77783E-06	-8.27366E-06	-4.14860E-06	0.00000E+00
4280	8.05671E-06	-1.19959E-05	8.17711E-06	-8.75354E-06	3.66777E-06	0.00000E+00
4281	9.84257E-06	-2.41088E-05	8.94791E-06	-9.44311E-06	-1.60785E-06	0.00000E+00
4282	6.80742E-06	-7.44362E-06	9.63283E-06	-8.10919E-06	-4.67831E-06	0.00000E+00
4283	1.01027E-05	-2.78104E-05	9.50749E-06	-9.76036E-06	-1.12502E-06	0.00000E+00
4284	9.96857E-06	-3.05902E-05	9.64012E-06	9.63945E-06	6.94284E-07	-8.85183E-06
4285	9.48084E-06	-2.61089E-05	1.00521E-05	-2.01743E-06	-2.58071E-06	0.00000E+00
4286	1.00677E-05	-3.56027E-05	9.25422E-06	-9.27302E-06	6.89770E-07	0.00000E+00
4287	7.90072E-06	-9.70829E-06	1.04235E-05	-8.24751E-06	-3.79114E-06	0.00000E+00
4288	7.21518E-06	-9.61707E-06	1.09437E-05	8.57145E-06	-1.76979E-06	-7.58238E-06
4289	7.49373E-06	-1.56229E-05	1.12111E-05	-2.81920E-06	-2.08598E-06	0.00000E+00
4290	8.68726E-06	-1.95262E-05	1.10896E-05	-1.62936E-06	-3.35020E-06	0.00000E+00
4291	9.99100E-06	-3.95567E-05	8.98948E-06	-8.72077E-06	3.70511E-07	0.00000E+00
4292	1.00760E-05	-4.46222E-05	8.85438E-06	-8.34799E-06	1.66958E-07	0.00000E+00
4293	1.00431E-05	-4.86715E-05	8.81319E-06	-8.15447E-06	-9.21872E-010	0.00000E+00
4294	1.26941E-05	-3.24087E-06	9.30382E-06	-9.44930E-06	2.19837E-06	0.00000E+00
4295	1.39568E-05	-1.27902E-05	1.05565E-05	-7.24792E-06	-2.98548E-06	0.00000E+00
4296	1.70830E-05	-3.21110E-06	1.23437E-05	-9.78218E-06	2.37218E-06	0.00000E+00
4297	1.81899E-05	-1.25773E-05	1.37281E-05	-6.73343E-06	-3.29726E-06	0.00000E+00
4298	2.15803E-05	-3.52021E-06	1.51859E-05	-9.99205E-06	2.42557E-06	0.00000E+00
4299	2.26795E-05	-1.26923E-05	1.66586E-05	-6.18654E-06	-3.27785E-06	0.00000E+00
4300	2.61518E-05	-3.55094E-06	1.79640E-05	-1.01181E-05	2.39364E-06	0.00000E+00
4301	2.70593E-05	-1.24305E-05	1.93393E-05	-5.63314E-06	-3.01491E-06	0.00000E+00
4302	3.07582E-05	-3.89686E-06	2.05077E-05	-1.01752E-05	2.33529E-06	0.00000E+00
4303	3.16129E-05	-1.25276E-05	2.17682E-05	-5.06912E-06	-2.56319E-06	0.00000E+00
4304	3.53781E-05	-3.98415E-06	2.29045E-05	-1.01829E-05	2.27284E-06	0.00000E+00
4305	3.60748E-05	-1.22517E-05	2.39375E-05	-4.49568E-06	-1.99445E-06	0.00000E+00
4306	3.99885E-05	-4.34889E-06	2.50413E-05	-1.01519E-05	2.22935E-06	0.00000E+00
4307	4.06557E-05	-1.23114E-05	2.58458E-05	-3.91137E-06	-1.34850E-06	0.00000E+00
4308	4.45774E-05	-4.47297E-06	2.69739E-05	-1.00900E-05	2.21232E-06	0.00000E+00
4309	4.51454E-05	-1.20287E-05	2.74838E-05	-3.31300E-06	-6.69370E-07	0.00000E+00
4310	4.91288E-05	-4.83737E-06	2.86212E-05	-1.00008E-05	2.22930E-06	0.00000E+00
4311	4.97092E-05	-1.20353E-05	2.88479E-05	-2.69742E-06	1.34114E-08	0.00000E+00
4312	5.36335E-05	-4.97801E-06	3.00145E-05	-9.88412E-06	2.28038E-06	0.00000E+00
4313	5.41725E-05	-1.17354E-05	2.99249E-05	-2.05736E-06	6.69167E-07	0.00000E+00
4314	5.80747E-05	-5.32471E-06	3.10864E-05	-9.73196E-06	2.36121E-06	0.00000E+00
4315	5.86617E-05	-1.16718E-05	3.07071E-05	-1.39355E-06	1.27016E-06	0.00000E+00
4316	6.24363E-05	-5.46571E-06	3.18452E-05	-9.53166E-06	2.45338E-06	0.00000E+00
4317	6.30189E-05	-1.13324E-05	3.11810E-05	-7.07213E-07	1.79189E-06	0.00000E+00
4318	6.66933E-05	-5.78788E-06	3.22258E-05	-9.27819E-06	2.52178E-06	0.00000E+00
4319	6.73272E-05	-1.11860E-05	3.13420E-05	-7.74290E-09	2.20945E-06	0.00000E+00
4320	7.08286E-05	-5.92444E-06	3.22276E-05	-8.98935E-06	2.52804E-06	0.00000E+00
4321	7.14480E-05	-1.08107E-05	3.11848E-05	6.94048E-07	2.50607E-06	0.00000E+00
4322	7.48332E-05	-6.21783E-06	3.18221E-05	-8.70206E-06	2.45341E-06	0.00000E+00
4323	7.54619E-05	-1.06270E-05	3.07158E-05	1.37742E-06	2.67278E-06	0.00000E+00
4324	7.87172E-05	-6.33889E-06	3.10490E-05	-8.45190E-06	2.31058E-06	0.00000E+00
4325	7.92946E-05	-1.02836E-05	2.99448E-05	2.02488E-06	2.72172E-06	0.00000E+00
4326	8.24983E-05	-6.59590E-06	2.99381E-05	-8.25289E-06	2.13000E-06	0.00000E+00
4327	8.30485E-05	-1.01353E-05	2.88926E-05	2.62175E-06	2.67174E-06	0.00000E+00
4328	8.61991E-05	-6.69899E-06	2.85446E-05	-8.09742E-06	1.93857E-06	0.00000E+00
4329	8.66858E-05	-9.86322E-06	2.75812E-05	3.16175E-06	2.54865E-06	0.00000E+00
4330	8.98347E-05	-6.92270E-06	2.69086E-05	-7.97050E-06	1.74693E-06	0.00000E+00
4331	9.02849E-05	-9.75963E-06	2.60392E-05	3.63964E-06	2.37322E-06	0.00000E+00

4332	9.34167E-05	-7.00795E-06	2.50616E-05	-7.86248E-06	1.55599E-06	0.00000E+00
4333	9.38068E-05	-9.54503E-06	2.42931E-05	4.05793E-06	2.16826E-06	0.00000E+00
4334	9.69517E-05	-7.19472E-06	2.30459E-05	-7.76931E-06	1.36336E-06	0.00000E+00
4335	9.73036E-05	-9.47152E-06	2.23703E-05	4.41967E-06	1.94788E-06	0.00000E+00
4336	9.64135E-05	-8.49384E-06	2.30166E-05	-7.92154E-06	1.73742E-06	0.00000E+00
4337	9.72321E-05	-1.18909E-05	2.17385E-05	4.27224E-06	2.08770E-06	0.00000E+00
4338	9.57999E-05	-9.93950E-06	2.29845E-05	-4.58637E-06	1.84093E-06	-7.98124E-06
4339	9.71781E-05	-1.44277E-05	2.11591E-05	-4.13885E-06	1.59865E-06	-7.75541E-06
4340	9.58182E-05	-1.21975E-05	2.24523E-05	4.47902E-06	1.66463E-06	0.00000E+00
4341	9.67739E-05	-1.56212E-05	2.11649E-05	-7.82124E-06	9.58624E-07	0.00000E+00
4342	9.71009E-05	-1.76129E-05	2.05591E-05	3.99448E-06	1.50973E-06	0.00000E+00
4343	9.58696E-05	-1.69632E-05	2.15226E-05	4.22906E-06	1.45213E-06	0.00000E+00
4344	9.58580E-05	-1.46180E-05	2.19721E-05	4.34249E-06	1.52547E-06	0.00000E+00
4345	9.59091E-05	-1.94698E-05	2.10884E-05	-4.11678E-06	1.43236E-06	-8.03462E-06
4346	9.62671E-05	-1.81274E-05	2.11264E-05	-7.96530E-06	8.67591E-07	0.00000E+00
4347	9.59041E-05	-2.08261E-05	2.07918E-05	4.04157E-06	1.77047E-06	0.00000E+00
4348	9.65141E-05	-1.69325E-05	2.11561E-05	-7.89312E-06	7.19262E-07	0.00000E+00
4349	9.59559E-05	-2.23212E-05	2.04562E-05	3.96175E-06	1.88900E-06	0.00000E+00
4350	9.59366E-05	-2.37001E-05	2.01182E-05	3.88132E-06	1.79849E-06	0.00000E+00
4351	9.59768E-05	-2.52109E-05	1.98158E-05	-3.84794E-06	1.51607E-06	-7.99166E-06
4352	9.63641E-05	-2.56722E-05	1.95766E-05	-8.73159E-06	-8.84360E-07	0.00000E+00
4353	9.70359E-05	-2.09165E-05	2.00089E-05	3.87031E-06	1.33382E-06	0.00000E+00
4354	9.66008E-05	-2.62790E-05	1.94520E-05	-8.68308E-06	-5.32936E-07	0.00000E+00
4355	9.69738E-05	-2.40901E-05	1.95457E-05	3.77438E-06	1.05950E-06	0.00000E+00
4356	9.67480E-05	-2.67705E-05	1.93394E-05	-8.66367E-06	-4.62445E-07	0.00000E+00
4357	9.69166E-05	-2.73763E-05	1.92068E-05	-3.71385E-06	6.86270E-07	-7.88252E-06
4358	9.68607E-05	-3.14757E-05	1.88827E-05	3.67726E-06	6.27478E-07	0.00000E+00
4359	9.67937E-05	-3.56566E-05	1.85885E-05	3.65511E-06	5.64859E-07	0.00000E+00
4360	9.67543E-05	-3.96508E-05	1.83258E-05	3.64166E-06	5.00429E-07	0.00000E+00
4361	9.66746E-05	-4.36902E-05	1.80950E-05	3.63496E-06	4.35312E-07	0.00000E+00
4362	1.18623E-05	-7.25589E-07	9.34736E-06	-9.24723E-06	2.43485E-06	0.00000E+00
4363	1.10872E-05	1.45049E-06	9.29403E-06	6.65542E-06	2.18017E-06	-9.16460E-06
4364	1.08208E-05	-4.81673E-07	9.17024E-06	-6.75793E-06	-1.04820E-06	0.00000E+00
4365	1.11790E-05	-2.88840E-06	9.82066E-06	-6.97521E-06	-2.90968E-06	0.00000E+00
4366	1.39229E-05	-1.50943E-05	1.14117E-05	-7.55739E-06	-2.32031E-06	0.00000E+00
4367	1.40842E-05	-1.77988E-05	1.18391E-05	7.74704E-06	-9.91933E-08	-9.53631E-06
4368	1.34471E-05	-1.49368E-05	1.18679E-05	-9.45304E-06	3.32494E-06	0.00000E+00
4369	1.40427E-05	-2.07748E-05	1.21958E-05	-7.94369E-06	-1.57374E-06	0.00000E+00
4370	1.21890E-05	-1.25372E-05	1.18497E-05	-9.46321E-06	3.95968E-06	0.00000E+00
4371	1.42774E-05	-2.44025E-05	1.29108E-05	-8.03289E-06	-1.96548E-06	0.00000E+00
4372	1.09172E-05	-4.74408E-06	1.08158E-05	-7.36853E-06	-3.34629E-06	0.00000E+00
4373	1.11555E-05	-7.16271E-06	1.17391E-05	7.51132E-06	-2.44983E-06	-9.50471E-06
4374	1.11296E-05	-9.60267E-06	1.18704E-05	-9.43059E-06	1.98777E-06	0.00000E+00
4375	1.10964E-05	-8.01288E-06	1.23719E-05	-7.56100E-06	-4.02399E-06	0.00000E+00
4376	1.16230E-05	-9.89032E-06	1.31921E-05	-7.59065E-06	-4.58640E-06	0.00000E+00
4377	1.41587E-05	-2.72218E-05	1.35640E-05	-8.08408E-06	-1.22028E-06	0.00000E+00
4378	1.09233E-05	-1.02817E-05	1.40349E-05	-7.59730E-06	-4.18944E-06	0.00000E+00
4379	1.42717E-05	-3.10211E-05	1.36384E-05	8.02679E-06	1.05607E-06	-9.55631E-06
4380	1.36255E-05	-2.54085E-05	1.42285E-05	-3.53355E-06	-3.03359E-06	0.00000E+00
4381	1.42187E-05	-3.49694E-05	1.31315E-05	-7.82572E-06	9.63474E-07	0.00000E+00
4382	1.24001E-05	-2.14877E-05	1.45979E-05	-3.69275E-06	-3.16606E-06	0.00000E+00
4383	1.42836E-05	-4.00556E-05	1.27068E-05	-7.65291E-06	6.85980E-07	0.00000E+00
4384	1.17031E-05	-1.27116E-05	1.47345E-05	7.53474E-06	-2.70630E-06	-9.97717E-06
4385	1.16306E-05	-1.59579E-05	1.50880E-05	-3.65221E-06	-1.22591E-06	0.00000E+00
4386	1.42557E-05	-4.40963E-05	1.24435E-05	-7.46575E-06	3.67310E-07	0.00000E+00
4387	1.42818E-05	-4.92114E-05	1.23188E-05	-7.34145E-06	1.36343E-07	0.00000E+00
4388	1.61716E-05	-1.11865E-06	1.22879E-05	-9.67416E-06	2.77519E-06	0.00000E+00
4389	1.83518E-05	-1.52271E-05	1.46642E-05	-6.80061E-06	-2.53177E-06	0.00000E+00
4390	2.06357E-05	-1.19060E-06	1.52070E-05	-9.98350E-06	2.81508E-06	0.00000E+00
4391	2.26441E-05	-1.49210E-05	1.75844E-05	-6.08486E-06	-2.50311E-06	0.00000E+00
4392	2.52114E-05	-1.66189E-06	1.79172E-05	-1.01405E-05	2.86820E-06	0.00000E+00
4393	2.71551E-05	-1.50588E-05	2.01777E-05	-5.38892E-06	-2.22647E-06	0.00000E+00

4394	2.98309E-05	-1.85021E-06	2.05066E-05	-1.02130E-05	2.81142E-06	0.00000E+00
4395	3.15603E-05	-1.47381E-05	2.24668E-05	-4.73763E-06	-1.80145E-06	0.00000E+00
4396	3.44693E-05	-2.38538E-06	2.28586E-05	-1.02131E-05	2.80224E-06	0.00000E+00
4397	3.61157E-05	-1.48514E-05	2.44613E-05	-4.10404E-06	-1.27808E-06	0.00000E+00
4398	3.90936E-05	-2.65615E-06	2.50237E-05	-1.01696E-05	2.75888E-06	0.00000E+00
4399	4.05771E-05	-1.45357E-05	2.61743E-05	-3.48986E-05	-6.85628E-07	0.00000E+00
4400	4.36903E-05	-3.22694E-06	2.69265E-05	-1.00867E-05	2.77105E-06	0.00000E+00
4401	4.51325E-05	-1.46004E-05	2.76089E-05	-2.88242E-06	-8.74786E-08	0.00000E+00
4402	4.82405E-05	-3.55285E-06	2.85918E-05	-9.97688E-06	2.77651E-06	0.00000E+00
4403	4.95931E-05	-1.42844E-05	2.87702E-05	-2.27698E-06	5.23330E-07	0.00000E+00
4404	5.27351E-05	-4.13861E-06	2.99642E-05	-9.83930E-06	2.83231E-06	0.00000E+00
4405	5.40967E-05	-1.42838E-05	2.96555E-05	-1.66600E-06	1.07832E-06	0.00000E+00
4406	5.71593E-05	-4.50136E-06	3.10464E-05	-9.67555E-06	2.87972E-06	0.00000E+00
4407	5.84903E-05	-1.39508E-05	3.02634E-05	-1.04588E-06	1.59739E-06	0.00000E+00
4408	6.15022E-05	-5.08850E-06	3.17872E-05	-9.48007E-06	2.94720E-06	0.00000E+00
4409	6.28678E-05	-1.38723E-05	3.05891E-05	-4.18829E-07	2.01755E-06	0.00000E+00
4410	6.57484E-05	-5.47184E-06	3.21718E-05	-9.25749E-06	2.96953E-06	0.00000E+00
4411	6.70983E-05	-1.35110E-05	3.06314E-05	2.11782E-07	2.36835E-06	0.00000E+00
4412	6.98896E-05	-6.04078E-06	3.21642E-05	-9.01800E-06	2.96050E-06	0.00000E+00
4413	7.12504E-05	-1.33690E-05	3.03901E-05	8.35443E-07	2.60275E-06	0.00000E+00
4414	7.39216E-05	-6.41240E-06	3.17685E-05	-8.78314E-06	2.87594E-06	0.00000E+00
4415	7.52333E-05	-1.30096E-05	2.98711E-05	1.44353E-06	2.75692E-06	0.00000E+00
4416	7.78518E-05	-6.92620E-06	3.10000E-05	-8.56993E-06	2.75027E-06	0.00000E+00
4417	7.91234E-05	-1.28598E-05	2.90837E-05	2.02288E-06	2.80017E-06	0.00000E+00
4418	8.16915E-05	-7.24840E-06	2.98980E-05	-8.38959E-06	2.57249E-06	0.00000E+00
4419	8.28768E-05	-1.25506E-05	2.80431E-05	2.56584E-06	2.77273E-06	0.00000E+00
4420	8.54562E-05	-7.68247E-06	2.85118E-05	-8.24001E-06	2.38377E-06	0.00000E+00
4421	8.65685E-05	-1.24311E-05	2.67670E-05	3.06356E-06	2.65980E-06	0.00000E+00
4422	8.91582E-05	-7.94232E-06	2.68758E-05	-8.11596E-06	2.17278E-06	0.00000E+00
4423	9.01692E-05	-1.21816E-05	2.52767E-05	3.51428E-06	2.50397E-06	0.00000E+00
4424	9.28082E-05	-8.29454E-06	2.50407E-05	-8.01054E-06	1.96342E-06	0.00000E+00
4425	9.37326E-05	-1.20914E-05	2.35934E-05	3.91586E-06	2.30158E-06	0.00000E+00
4426	9.21137E-05	-9.50202E-06	2.49863E-05	-4.21408E-06	2.07108E-06	-8.06777E-06
4427	9.36490E-05	-1.45099E-05	2.29565E-05	-3.78664E-06	1.75844E-06	-7.84844E-06
4428	9.21538E-05	-1.18934E-05	2.43982E-05	4.12118E-06	1.84569E-06	0.00000E+00
4429	9.32064E-05	-1.57186E-05	2.29612E-05	-7.91230E-06	1.05498E-06	0.00000E+00
4430	9.35566E-05	-1.78322E-05	2.22931E-05	3.65749E-06	1.66686E-06	0.00000E+00
4431	9.21705E-05	-1.42074E-05	2.38616E-05	3.98989E-06	1.70571E-06	0.00000E+00
4432	9.29186E-05	-1.67847E-05	2.29494E-05	-7.98165E-06	7.95818E-07	0.00000E+00
4433	9.34683E-05	-2.10165E-05	2.16885E-05	3.54456E-06	1.46052E-06	0.00000E+00
4434	9.22171E-05	-1.66994E-05	2.33601E-05	3.87774E-06	1.62214E-06	0.00000E+00
4435	9.22306E-05	-1.90931E-05	2.28725E-05	-3.76866E-06	1.60677E-06	-8.10420E-06
4436	9.26432E-05	-1.79980E-05	2.29226E-05	-8.04868E-06	9.90852E-07	0.00000E+00
4437	9.22737E-05	-2.05964E-05	2.25464E-05	3.69898E-06	1.95285E-06	0.00000E+00
4438	9.22527E-05	-2.19657E-05	2.21762E-05	3.62541E-06	2.09158E-06	0.00000E+00
4439	9.23100E-05	-2.34876E-05	2.18005E-05	3.55128E-06	2.01388E-06	0.00000E+00
4440	9.23019E-05	-2.48801E-05	2.14565E-05	-3.52014E-06	1.70189E-06	-8.07274E-06
4441	9.27508E-05	-2.55822E-05	2.12202E-05	-8.63427E-06	-9.57974E-07	0.00000E+00
4442	9.29871E-05	-2.61726E-05	2.10651E-05	-8.59102E-06	-5.53349E-07	0.00000E+00
4443	9.33913E-05	-2.43299E-05	2.11829E-05	3.45616E-06	1.14912E-06	0.00000E+00
4444	9.31488E-05	-2.69073E-05	2.09622E-05	-8.57451E-06	-4.83621E-07	0.00000E+00
4445	9.33258E-05	-2.74977E-05	2.08190E-05	-3.39767E-06	7.27351E-07	-7.99315E-06
4446	9.32458E-05	-3.17472E-05	2.04788E-05	3.36779E-06	6.51693E-07	0.00000E+00
4447	9.31942E-05	-3.58211E-05	2.01752E-05	3.34695E-06	5.79546E-07	0.00000E+00
4448	9.31117E-05	-3.99790E-05	1.99068E-05	3.33464E-06	5.09103E-07	0.00000E+00
4449	9.30713E-05	-4.39238E-05	1.96727E-05	3.32875E-06	4.40021E-07	0.00000E+00
4450	1.51885E-05	1.41333E-06	1.22901E-05	6.48583E-06	2.56180E-06	-9.60234E-06
4451	1.53605E-05	-1.18583E-06	1.21557E-05	-6.49143E-06	-1.25942E-06	0.00000E+00
4452	1.51337E-05	-3.27186E-06	1.29016E-05	-6.61110E-06	-3.28502E-06	0.00000E+00
4453	1.54405E-05	-5.83587E-06	1.40188E-05	-6.72292E-06	-3.71104E-06	0.00000E+00
4454	1.83077E-05	-1.74277E-05	1.51458E-05	6.83978E-06	-3.20565E-07	-9.53080E-06
4455	1.77889E-05	-1.53165E-05	1.51570E-05	-9.65904E-06	3.11832E-06	0.00000E+00

4456	1.84805E-05	-2.10114E-05	1.55434E-05	-6.82040E-06	-1.60301E-06	0.00000E+00
4457	1.65525E-05	-1.26631E-05	1.51688E-05	-9.74369E-06	3.92942E-06	0.00000E+00
4458	1.83990E-05	-2.39055E-05	1.62477E-05	-6.70018E-06	-1.88935E-06	0.00000E+00
4459	1.54943E-05	-1.05541E-05	1.50887E-05	-9.78761E-06	2.14828E-06	0.00000E+00
4460	1.85672E-05	-2.75997E-05	1.68552E-05	-6.48147E-06	-1.10977E-06	0.00000E+00
4461	1.54224E-05	-7.94138E-06	1.50090E-05	6.77484E-06	-2.36869E-06	-9.75081E-06
4462	1.56659E-05	-9.68066E-06	1.56183E-05	-6.70103E-06	-3.87663E-06	0.00000E+00
4463	1.53155E-05	-1.04611E-05	1.64092E-05	-6.56575E-06	-4.36349E-06	0.00000E+00
4464	1.61256E-05	-1.26841E-05	1.71893E-05	-6.38899E-06	-3.75234E-06	0.00000E+00
4465	1.85186E-05	-3.02874E-05	1.69121E-05	6.32964E-06	1.08785E-06	-9.40231E-06
4466	1.57719E-05	-1.34378E-05	1.77513E-05	6.31585E-06	-2.10472E-06	-9.40197E-06
4467	1.77628E-05	-2.64893E-05	1.72235E-05	-4.66372E-06	-2.90623E-06	0.00000E+00
4468	1.85440E-05	-3.54395E-05	1.63516E-05	-6.42488E-06	1.05270E-06	0.00000E+00
4469	1.67941E-05	-2.14609E-05	1.79070E-05	-4.74958E-06	-2.94399E-06	0.00000E+00
4470	1.85348E-05	-3.94747E-05	1.59060E-05	-6.46915E-06	7.50714E-07	0.00000E+00
4471	1.58982E-05	-1.80285E-05	1.80966E-05	-4.84633E-06	-1.33725E-06	0.00000E+00
4472	1.85402E-05	-4.45869E-05	1.55981E-05	-6.43958E-06	4.77832E-07	0.00000E+00
4473	1.85498E-05	-4.87245E-05	1.54245E-05	-6.38923E-06	2.26140E-07	0.00000E+00
4474	1.97009E-05	8.53304E-07	1.51499E-05	6.18022E-06	2.53241E-06	-9.99076E-06
4475	2.27485E-05	-1.75984E-05	1.80526E-05	5.99039E-06	-2.28278E-07	-9.76428E-06
4476	2.42143E-05	6.05764E-07	1.78914E-05	5.84307E-06	2.63326E-06	-1.01362E-05
4477	2.71074E-05	-1.72158E-05	2.05848E-05	5.18103E-06	-1.72954E-07	-9.76138E-06
4478	2.88790E-05	-7.36785E-08	2.04424E-05	5.40716E-06	2.57852E-06	-1.02329E-05
4479	3.16150E-05	-1.73836E-05	2.27655E-05	4.47696E-06	8.17383E-08	-9.90671E-06
4480	3.34928E-05	-4.62407E-07	2.28104E-05	4.96217E-06	2.62851E-06	-1.02224E-05
4481	3.60546E-05	-1.70223E-05	2.46427E-05	3.79776E-06	2.74240E-07	-9.87774E-06
4482	3.81462E-05	-1.21796E-06	2.49529E-05	4.43849E-06	2.61267E-06	-1.01824E-05
4483	4.05839E-05	-1.71482E-05	2.62094E-05	3.16830E-06	5.79686E-07	-9.94341E-06
4484	4.27204E-05	-1.70185E-06	2.68625E-05	3.90355E-06	2.68129E-06	-1.00887E-05
4485	4.50472E-05	-1.68039E-05	2.75092E-05	2.55658E-06	8.26338E-07	-9.87310E-06
4486	4.72801E-05	-2.50331E-06	2.85151E-05	3.30312E-06	2.71835E-06	-9.97554E-06
4487	4.95478E-05	-1.68658E-05	2.85206E-05	1.96142E-06	1.13379E-06	-9.85961E-06
4488	5.17439E-05	-3.05919E-06	2.98886E-05	2.67286E-06	2.81908E-06	-9.82909E-06
4489	5.39729E-05	-1.65235E-05	2.92801E-05	1.37757E-06	1.38094E-06	-9.73664E-06
4490	5.61637E-05	-3.89278E-06	3.09634E-05	1.97163E-06	2.88912E-06	-9.66423E-06
4491	5.83846E-05	-1.65101E-05	2.97606E-05	7.91011E-07	1.64522E-06	-9.63189E-06
4492	6.04771E-05	-4.50854E-06	3.17013E-05	1.21565E-06	2.98435E-06	-9.46938E-06
4493	6.26952E-05	-1.61561E-05	2.99915E-05	2.13744E-07	1.83989E-06	-9.43072E-06
4494	6.47266E-05	-5.35810E-06	3.20833E-05	3.93829E-07	3.01915E-06	-9.25817E-06
4495	6.69388E-05	-1.60714E-05	2.99477E-05	-3.69147E-07	2.01699E-06	-9.22679E-06
4496	6.88646E-05	-5.99719E-06	3.20745E-05	-4.50370E-07	3.02958E-06	-9.03222E-06
4497	7.10518E-05	-1.57122E-05	2.96556E-05	-9.34421E-07	2.11707E-06	-8.96098E-06
4498	7.29310E-05	-6.80576E-06	3.16858E-05	-1.28367E-06	2.95785E-06	-8.81452E-06
4499	7.50650E-05	-1.55876E-05	2.90990E-05	-1.49251E-06	2.18074E-06	-8.71811E-06
4500	7.68953E-05	-7.39183E-06	3.09202E-05	-2.04636E-06	2.84911E-06	-8.61251E-06
4501	7.89491E-05	-1.52542E-05	2.83070E-05	-2.01733E-06	2.17247E-06	-8.47139E-06
4502	8.07979E-05	-8.08851E-06	2.98322E-05	-2.72717E-06	2.68051E-06	-8.44035E-06
4503	8.27440E-05	-1.51307E-05	2.72744E-05	-2.51923E-06	2.12882E-06	-8.27601E-06
4504	8.46198E-05	-8.56852E-06	2.84463E-05	-3.30097E-06	2.49725E-06	-8.29335E-06
4505	8.64420E-05	-1.48467E-05	2.60322E-05	-2.97720E-06	2.03106E-06	-8.10066E-06
4506	8.83968E-05	-9.13040E-06	2.68273E-05	-3.80350E-06	2.28566E-06	-8.17183E-06
4507	9.00788E-05	-1.47431E-05	2.45831E-05	-3.40534E-06	1.91119E-06	-7.96729E-06
4508	8.84239E-05	-1.14122E-05	2.61698E-05	3.70695E-06	2.05369E-06	0.00000E+00
4509	8.95937E-05	-1.56833E-05	2.45925E-05	-8.02264E-06	1.15774E-06	0.00000E+00
4510	8.99572E-05	-1.79328E-05	2.38675E-05	3.28963E-06	1.79555E-06	0.00000E+00
4511	8.84754E-05	-1.38868E-05	2.55779E-05	3.58313E-06	1.87363E-06	0.00000E+00
4512	8.92774E-05	-1.67686E-05	2.45798E-05	-8.08792E-06	8.81515E-07	0.00000E+00
4513	8.98541E-05	-2.12678E-05	2.32149E-05	3.19255E-06	1.57473E-06	0.00000E+00
4514	8.84904E-05	-1.62592E-05	2.50275E-05	3.48184E-06	1.77177E-06	0.00000E+00
4515	8.89745E-05	-1.77074E-05	2.45469E-05	-8.15532E-06	1.06088E-06	0.00000E+00
4516	8.97622E-05	-2.44483E-05	2.26714E-05	3.11814E-06	1.23211E-06	0.00000E+00
4517	8.85390E-05	-1.88257E-05	2.44988E-05	-3.38442E-06	1.73646E-06	-8.22011E-06

4518	8.85314E-05	-2.01888E-05	2.41403E-05	3.32306E-06	2.13576E-06	0.00000E+00
4519	8.85955E-05	-2.17255E-05	2.37359E-05	3.25886E-06	2.27109E-06	0.00000E+00
4520	8.85706E-05	-2.31114E-05	2.33300E-05	3.19422E-06	2.15382E-06	0.00000E+00
4521	8.86180E-05	-2.46611E-05	2.29684E-05	-3.16662E-06	1.80032E-06	-8.18723E-06
4522	8.90730E-05	-2.53423E-05	2.26905E-05	-8.54437E-06	-1.01465E-06	0.00000E+00
4523	8.93381E-05	-2.61977E-05	2.25490E-05	-8.50832E-06	-5.81951E-07	0.00000E+00
4524	8.94975E-05	-2.69117E-05	2.24306E-05	-8.49371E-06	-4.89719E-07	0.00000E+00
4525	8.96773E-05	-2.77713E-05	2.22841E-05	-3.07050E-06	7.58286E-07	-8.09786E-06
4526	8.96040E-05	-3.18988E-05	2.19312E-05	3.04137E-06	6.73515E-07	0.00000E+00
4527	8.95142E-05	-3.61460E-05	2.16188E-05	3.02363E-06	5.92974E-07	0.00000E+00
4528	8.94685E-05	-4.01953E-05	2.13454E-05	3.01345E-06	5.16307E-07	0.00000E+00
4529	8.93645E-05	-4.43357E-05	2.11087E-05	3.00892E-06	4.43713E-07	0.00000E+00
4530	1.95950E-05	-1.46208E-06	1.50246E-05	-6.16692E-06	-1.29532E-06	0.00000E+00
4531	1.98388E-05	-4.17114E-06	1.57890E-05	-6.12144E-06	-3.35372E-06	0.00000E+00
4532	1.97399E-05	-6.41846E-06	1.69125E-05	-6.04940E-06	-3.66217E-06	0.00000E+00
4533	1.99894E-05	-9.20929E-06	1.78724E-05	5.89721E-06	-2.32882E-06	-1.00086E-05
4534	2.21862E-05	-1.51851E-05	1.80690E-05	-9.77242E-06	3.08490E-06	0.00000E+00
4535	2.27155E-05	-2.05769E-05	1.84057E-05	-5.81925E-06	-1.44092E-06	0.00000E+00
4536	2.10003E-05	-1.33390E-05	1.80312E-05	-9.90728E-06	3.78017E-06	0.00000E+00
4537	2.28687E-05	-2.42022E-05	1.90225E-05	-5.55312E-06	-1.62665E-06	0.00000E+00
4538	1.99817E-05	-1.09646E-05	1.79900E-05	-1.00055E-05	1.94534E-06	0.00000E+00
4539	2.27920E-05	-2.70342E-05	1.95082E-05	-5.27642E-06	-7.29123E-07	0.00000E+00
4540	2.28521E-05	-3.07317E-05	1.94502E-05	5.15604E-06	1.07269E-06	-9.70904E-06
4541	1.98727E-05	-1.02803E-05	1.84455E-05	-5.76211E-06	-3.56488E-06	0.00000E+00
4542	2.03930E-05	-1.23352E-05	1.91586E-05	-5.58975E-06	-3.94725E-06	0.00000E+00
4543	1.99191E-05	-1.32380E-05	1.98667E-05	-5.41571E-06	-3.51760E-06	0.00000E+00
4544	2.04108E-05	-1.54331E-05	2.04359E-05	5.34287E-06	-2.18995E-06	-1.02203E-05
4545	2.22042E-05	-2.61866E-05	1.99223E-05	-5.42269E-06	-2.79202E-06	0.00000E+00
4546	2.28735E-05	-3.48279E-05	1.89934E-05	-5.25893E-06	8.73017E-07	0.00000E+00
4547	2.03566E-05	-1.84340E-05	2.06674E-05	-5.65189E-06	-1.17895E-06	0.00000E+00
4548	2.11343E-05	-2.27952E-05	2.03369E-05	-5.58377E-06	-2.84844E-06	0.00000E+00
4549	2.28617E-05	-3.99137E-05	1.85860E-05	-5.36583E-06	7.41439E-07	0.00000E+00
4550	2.28761E-05	-4.40475E-05	1.82818E-05	-5.40971E-06	4.90705E-07	0.00000E+00
4551	2.28290E-05	-4.92089E-05	1.80943E-05	-5.40795E-06	2.68487E-07	0.00000E+00
4552	8.56723E-05	-4.46232E-05	2.23969E-05	2.67617E-06	4.45514E-07	0.00000E+00
4553	2.72469E-05	-4.87120E-05	2.03308E-05	-4.47699E-06	2.78092E-07	0.00000E+00
4554	8.18386E-05	-4.51072E-05	2.35316E-05	2.33061E-06	4.45137E-07	0.00000E+00
4555	3.15308E-05	-4.90494E-05	2.21660E-05	-3.63351E-06	2.80965E-07	0.00000E+00
4556	7.80287E-05	-4.54185E-05	2.45070E-05	1.97187E-06	4.41705E-07	0.00000E+00
4557	3.60200E-05	-4.85582E-05	2.36394E-05	-2.88308E-06	2.84397E-07	0.00000E+00
4558	7.40439E-05	-4.59492E-05	2.53170E-05	1.59901E-06	4.35428E-07	0.00000E+00
4559	4.02952E-05	-4.87206E-05	2.47912E-05	-2.21372E-06	2.97431E-07	0.00000E+00
4560	7.01020E-05	-4.62455E-05	2.59547E-05	1.21061E-06	4.25571E-07	0.00000E+00
4561	4.47741E-05	-4.82246E-05	2.56544E-05	-1.60995E-06	3.14544E-07	0.00000E+00
4562	6.59582E-05	-4.67935E-05	2.64128E-05	8.04699E-07	4.12842E-07	0.00000E+00
4563	4.90164E-05	-4.82241E-05	2.62561E-05	-1.05807E-06	3.35924E-07	0.00000E+00
4564	6.18889E-05	-4.70312E-05	2.66828E-05	3.78714E-07	3.96607E-07	0.00000E+00
4565	5.34244E-05	-4.77075E-05	2.66171E-05	-5.47616E-07	3.57138E-07	0.00000E+00
4566	5.75978E-05	-4.75707E-05	2.67547E-05	-7.06032E-08	3.78183E-07	0.00000E+00
4567	2.43256E-05	-2.22886E-06	1.77303E-05	-5.76838E-06	-1.16861E-06	0.00000E+00
4568	2.66267E-05	-1.56044E-05	2.05862E-05	-9.84964E-06	2.78816E-06	0.00000E+00
4569	2.72147E-05	-2.08000E-05	2.08492E-05	-4.94880E-06	-1.10643E-06	0.00000E+00
4570	2.88409E-05	-2.60888E-06	2.02503E-05	-5.31730E-06	-9.37820E-07	0.00000E+00
4571	3.10943E-05	-1.54658E-05	2.27782E-05	-9.92019E-06	2.66211E-06	0.00000E+00
4572	3.15726E-05	-2.03884E-05	2.29203E-05	-4.19212E-06	-7.64233E-07	0.00000E+00
4573	3.35812E-05	-3.41508E-06	2.25569E-05	-4.82995E-06	-6.13742E-07	0.00000E+00
4574	3.55842E-05	-1.58444E-05	2.46414E-05	-9.94240E-06	2.37450E-06	0.00000E+00
4575	3.60990E-05	-2.05633E-05	2.46683E-05	-3.50721E-06	-3.58323E-07	0.00000E+00
4576	3.81425E-05	-3.86041E-06	2.46364E-05	-4.30083E-06	-2.30798E-07	0.00000E+00
4577	4.00774E-05	-1.57010E-05	2.62209E-05	-9.94547E-06	2.23498E-06	0.00000E+00
4578	4.05192E-05	-2.01867E-05	2.61134E-05	-2.86518E-06	3.78015E-07	0.00000E+00
4579	4.28026E-05	-4.68379E-06	2.64675E-05	-3.74144E-06	1.88257E-07	0.00000E+00

4580	4.45636E-05	-1.60106E-05	2.75071E-05	-9.90588E-06	2.01283E-06	0.00000E+00
4581	4.50271E-05	-2.02947E-05	2.72771E-05	-2.26026E-06	3.97240E-07	0.00000E+00
4582	4.72974E-05	-5.17916E-06	2.80379E-05	-3.14374E-06	6.34797E-07	0.00000E+00
4583	4.90268E-05	-1.58626E-05	2.85327E-05	-9.84466E-06	1.91176E-06	0.00000E+00
4584	4.94441E-05	-1.99369E-05	2.81709E-05	-1.67845E-06	7.30926E-07	0.00000E+00
4585	5.18257E-05	-6.00515E-06	2.93267E-05	-2.50782E-06	1.06981E-06	0.00000E+00
4586	5.34546E-05	-1.60935E-05	2.92801E-05	-9.74231E-06	1.77005E-06	0.00000E+00
4587	5.38838E-05	-1.99684E-05	2.88058E-05	-1.11662E-06	1.07879E-06	0.00000E+00
4588	5.61960E-05	-6.54153E-06	3.03169E-05	-1.82292E-06	1.49779E-06	0.00000E+00
4589	5.78299E-05	-1.59362E-05	2.97747E-05	-9.60824E-06	1.71757E-06	0.00000E+00
4590	5.82284E-05	-1.96119E-05	2.91881E-05	-5.65988E-07	1.35087E-06	0.00000E+00
4591	6.05589E-05	-7.35871E-06	3.09830E-05	-1.08654E-06	1.86220E-06	0.00000E+00
4592	6.21358E-05	-1.60905E-05	2.99955E-05	-9.42794E-06	1.63583E-06	0.00000E+00
4593	6.25391E-05	-1.95671E-05	2.93233E-05	-2.66985E-08	1.61220E-06	0.00000E+00
4594	6.47682E-05	-7.91739E-06	3.13050E-05	-3.04420E-07	2.16910E-06	0.00000E+00
4595	6.63539E-05	-1.59240E-05	2.99639E-05	-9.21452E-06	1.60514E-06	0.00000E+00
4596	6.67376E-05	-1.92061E-05	2.92158E-05	5.04233E-07	1.78847E-06	0.00000E+00
4597	6.89425E-05	-8.69999E-06	3.12659E-05	4.97691E-07	2.35877E-06	0.00000E+00
4598	7.04704E-05	-1.60171E-05	2.96626E-05	-8.97393E-06	1.53805E-06	0.00000E+00
4599	7.08588E-05	-1.91037E-05	2.88703E-05	1.02214E-06	1.93503E-06	0.00000E+00
4600	7.29738E-05	-9.24073E-06	3.08669E-05	1.28228E-06	2.46029E-06	0.00000E+00
4601	7.44791E-05	-1.58528E-05	2.91150E-05	-8.73356E-06	1.49095E-06	0.00000E+00
4602	7.48591E-05	-1.87542E-05	2.82935E-05	1.52485E-06	1.99677E-06	0.00000E+00
4603	7.69628E-05	-9.94679E-06	3.01235E-05	2.01019E-06	2.44127E-06	0.00000E+00
4604	7.83836E-05	-1.59097E-05	2.83141E-05	-8.50860E-06	1.40821E-06	0.00000E+00
4605	7.87694E-05	-1.86295E-05	2.74935E-05	2.00587E-06	2.02431E-06	0.00000E+00
4606	8.08343E-05	-1.04242E-05	2.90680E-05	2.65927E-06	2.36610E-06	0.00000E+00
4607	8.21947E-05	-1.57631E-05	2.72873E-05	-8.31599E-06	1.33719E-06	0.00000E+00
4608	8.25745E-05	-1.83163E-05	2.64811E-05	2.46252E-06	1.98107E-06	0.00000E+00
4609	8.46733E-05	-1.10214E-05	2.77374E-05	3.22156E-06	2.21288E-06	0.00000E+00
4610	8.59269E-05	-1.58048E-05	2.60379E-05	-8.15446E-06	1.24220E-06	0.00000E+00
4611	8.63048E-05	-1.81984E-05	2.52680E-05	2.89066E-06	1.91291E-06	0.00000E+00
4612	8.46950E-05	-1.33736E-05	2.70977E-05	3.11807E-06	2.02099E-06	0.00000E+00
4613	8.55842E-05	-1.65896E-05	2.60262E-05	-8.21985E-06	9.55401E-07	0.00000E+00
4614	8.61784E-05	-2.13844E-05	2.45762E-05	2.81727E-06	1.66432E-06	0.00000E+00
4615	8.47527E-05	-1.59354E-05	2.65056E-05	3.03750E-06	1.90610E-06	0.00000E+00
4616	8.52542E-05	-1.75540E-05	2.59925E-05	-8.28151E-06	1.18031E-06	0.00000E+00
4617	8.60697E-05	-2.47310E-05	2.40027E-05	2.76040E-06	1.29375E-06	0.00000E+00
4618	8.47671E-05	-1.83655E-05	2.59340E-05	-2.96227E-06	1.87991E-06	-8.32217E-06
4619	8.59825E-05	-2.79063E-05	2.35981E-05	-2.72121E-06	7.92024E-07	-8.24845E-06
4620	8.48206E-05	-1.99168E-05	2.55536E-05	2.91454E-06	2.26946E-06	0.00000E+00
4621	8.47911E-05	-2.12961E-05	2.51243E-05	2.86574E-06	2.41887E-06	0.00000E+00
4622	8.48621E-05	-2.28647E-05	2.46905E-05	2.81877E-06	2.31786E-06	0.00000E+00
4623	8.48507E-05	-2.42686E-05	2.42956E-05	-2.79996E-06	1.94537E-06	-8.30154E-06
4624	8.53593E-05	-2.52389E-05	2.40286E-05	-8.46535E-06	-1.06822E-06	0.00000E+00
4625	8.56201E-05	-2.60656E-05	2.38608E-05	-8.43667E-06	-5.93539E-07	0.00000E+00
4626	8.57913E-05	-2.70707E-05	2.37512E-05	-8.42282E-06	-5.12307E-07	0.00000E+00
4627	8.58787E-05	-3.22172E-05	2.32320E-05	2.70037E-06	6.92284E-07	0.00000E+00
4628	8.58182E-05	-3.63368E-05	2.29128E-05	2.68610E-06	6.03169E-07	0.00000E+00
4629	8.57154E-05	-4.05893E-05	2.26354E-05	2.67874E-06	5.21880E-07	0.00000E+00
4630	2.42311E-05	-4.61874E-06	1.84475E-05	-5.60705E-06	-3.17290E-06	0.00000E+00
4631	2.44688E-05	-7.46282E-06	1.95114E-05	-5.40923E-06	-3.46790E-06	0.00000E+00
4632	2.44686E-05	-9.82662E-06	2.03983E-05	5.18955E-06	-1.95315E-06	-1.01845E-05
4633	2.45732E-05	-1.19006E-05	2.04924E-05	-1.01843E-05	1.99087E-06	0.00000E+00
4634	2.47391E-05	-1.17323E-05	2.08875E-05	-4.98246E-06	-3.05579E-06	0.00000E+00
4635	2.55270E-05	-1.34561E-05	2.05694E-05	-1.00345E-05	3.50322E-06	0.00000E+00
4636	2.71482E-05	-2.37295E-05	2.13242E-05	-4.63960E-06	-1.23472E-06	0.00000E+00
4637	2.72445E-05	-2.73580E-05	2.16856E-05	-4.38844E-06	-5.52667E-07	0.00000E+00
4638	2.72313E-05	-3.01841E-05	2.16279E-05	4.32688E-06	1.02317E-06	-9.68963E-06
4639	2.65795E-05	-2.69537E-05	2.19519E-05	-6.00220E-06	-2.54955E-06	0.00000E+00
4640	2.72304E-05	-3.52091E-05	2.11572E-05	-4.33805E-06	8.43633E-07	0.00000E+00
4641	2.44249E-05	-1.28010E-05	2.15006E-05	-4.73671E-06	-3.34390E-06	0.00000E+00

4642	2.49924E-05	-1.49265E-05	2.20918E-05	-4.46625E-06	-2.80309E-06	0.00000E+00
4643	2.47849E-05	-1.60700E-05	2.25063E-05	4.34231E-06	-1.49901E-06	-1.00564E-05
4644	2.49473E-05	-1.98492E-05	2.27453E-05	-6.32265E-06	-1.25858E-06	0.00000E+00
4645	2.56904E-05	-2.28720E-05	2.24805E-05	-6.22480E-06	-2.58410E-06	0.00000E+00
4646	2.72487E-05	-3.93628E-05	2.07958E-05	-4.40955E-06	6.46997E-07	0.00000E+00
4647	2.71953E-05	-4.44439E-05	2.05169E-05	-4.46206E-06	4.77145E-07	0.00000E+00
4648	8.19629E-05	-4.08320E-05	2.37707E-05	2.33083E-06	5.24507E-07	0.00000E+00
4649	3.16345E-05	-4.39319E-05	2.23454E-05	-3.62234E-06	4.45978E-07	0.00000E+00
4650	7.80682E-05	-4.12755E-05	2.47453E-05	1.96943E-06	5.24845E-07	0.00000E+00
4651	3.59597E-05	-4.41803E-05	2.38168E-05	-2.88207E-06	4.35975E-07	0.00000E+00
4652	7.41828E-05	-4.15166E-05	2.55528E-05	1.59383E-06	5.21473E-07	0.00000E+00
4653	4.04271E-05	-4.36980E-05	2.49710E-05	-2.22089E-06	4.31614E-07	0.00000E+00
4654	7.01298E-05	-4.19891E-05	2.61867E-05	1.20269E-06	5.15891E-07	0.00000E+00
4655	4.47301E-05	-4.37961E-05	2.58405E-05	-1.62233E-06	4.40886E-07	0.00000E+00
4656	6.61052E-05	-4.21951E-05	2.66394E-05	7.94201E-07	5.06479E-07	0.00000E+00
4657	4.91609E-05	-4.33230E-05	2.64502E-05	-1.07299E-06	4.51728E-07	0.00000E+00
4658	6.18968E-05	-4.26767E-05	2.69026E-05	3.65931E-07	4.95615E-07	0.00000E+00
4659	5.34065E-05	-4.32902E-05	2.68203E-05	-5.63027E-07	4.67494E-07	0.00000E+00
4660	5.77466E-05	-4.28125E-05	2.69666E-05	-8.51446E-08	4.81329E-07	0.00000E+00
4661	2.90125E-05	-5.51544E-06	2.08727E-05	-5.07854E-06	-2.80703E-06	0.00000E+00
4662	3.00858E-05	-1.41030E-05	2.27419E-05	-1.01073E-05	3.20285E-06	0.00000E+00
4663	3.16549E-05	-2.39678E-05	2.32516E-05	-3.87614E-06	-8.71235E-07	0.00000E+00
4664	3.35430E-05	-5.96987E-06	2.30524E-05	-4.52738E-06	-2.32265E-06	0.00000E+00
4665	3.46804E-05	-1.41825E-05	2.46190E-05	-1.01361E-05	2.84420E-06	0.00000E+00
4666	3.60349E-05	-2.35517E-05	2.48463E-05	-3.18461E-06	-4.82515E-07	0.00000E+00
4667	3.82784E-05	-6.84856E-06	2.49806E-05	-3.96395E-06	-1.74691E-06	0.00000E+00
4668	3.92639E-05	-1.47516E-05	2.61873E-05	-1.01109E-05	2.54896E-06	0.00000E+00
4669	4.05374E-05	-2.37136E-05	2.61445E-05	-2.55328E-06	-1.13652E-07	0.00000E+00
4670	4.27928E-05	-7.31451E-06	2.66490E-05	-3.38157E-06	-1.13357E-06	0.00000E+00
4671	4.38401E-05	-1.48067E-05	2.74852E-05	-1.00575E-05	2.23312E-06	0.00000E+00
4672	4.49456E-05	-2.33339E-05	2.71631E-05	-1.95981E-06	2.44145E-07	0.00000E+00
4673	4.74135E-05	-8.16338E-06	2.80493E-05	-2.78117E-06	-4.96723E-07	0.00000E+00
4674	4.83725E-05	-1.52870E-05	2.85022E-05	-9.95897E-06	2.00783E-06	0.00000E+00
4675	4.93997E-05	-2.34132E-05	2.79228E-05	-1.40101E-06	5.77553E-07	0.00000E+00
4676	5.18329E-05	-8.64646E-06	2.91719E-05	-2.15556E-06	1.20814E-07	0.00000E+00
4677	5.28632E-05	-1.53263E-05	2.92604E-05	-9.83822E-06	1.78075E-06	0.00000E+00
4678	5.37683E-05	-2.30484E-05	2.84331E-05	-8.65312E-07	8.78651E-07	0.00000E+00
4679	5.62975E-05	-9.45963E-06	3.00035E-05	-1.50020E-06	7.05083E-07	0.00000E+00
4680	5.72824E-05	-1.57211E-05	2.97480E-05	-9.67417E-06	1.63769E-06	0.00000E+00
4681	5.81229E-05	-2.30462E-05	2.87072E-05	-3.50575E-07	1.14567E-06	0.00000E+00
4682	6.05756E-05	-9.95519E-06	3.05310E-05	-8.12464E-07	1.21585E-06	0.00000E+00
4683	6.16273E-05	-1.57478E-05	2.99783E-05	-9.48506E-06	1.49209E-06	0.00000E+00
4684	6.23847E-05	-2.26832E-05	2.87504E-05	1.49444E-07	1.36548E-06	0.00000E+00
4685	6.48558E-05	-1.07227E-05	3.07395E-05	-9.83076E-08	1.63439E-06	0.00000E+00
4686	6.58730E-05	-1.60677E-05	2.99407E-05	-9.26012E-06	1.40288E-06	0.00000E+00
4687	6.65860E-05	-2.26117E-05	2.85720E-05	6.34178E-07	1.54066E-06	0.00000E+00
4688	6.89637E-05	-1.12114E-05	3.06224E-05	6.24074E-07	1.93164E-06	0.00000E+00
4689	7.00184E-05	-1.60855E-05	2.96476E-05	-9.02535E-06	1.29724E-06	0.00000E+00
4690	7.06842E-05	-2.22540E-05	2.81761E-05	1.10565E-06	1.66030E-06	0.00000E+00
4691	7.30490E-05	-1.19136E-05	3.01803E-05	1.32873E-06	2.10570E-06	0.00000E+00
4692	7.40523E-05	-1.63454E-05	2.90954E-05	-8.78626E-06	1.22071E-06	0.00000E+00
4693	7.46963E-05	-2.21402E-05	2.75716E-05	1.56092E-06	1.73144E-06	0.00000E+00
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4695	7.79856E-05	-1.63598E-05	2.83012E-05	-8.56954E-06	1.12336E-06	0.00000E+00
4696	7.86081E-05	-2.18053E-05	2.67639E-05	1.99975E-06	1.74982E-06	0.00000E+00
4697	8.08981E-05	-1.29811E-05	2.83909E-05	2.58736E-06	2.12481E-06	0.00000E+00
4698	8.18234E-05	-1.65745E-05	2.72714E-05	-8.37744E-06	1.04626E-06	0.00000E+00
4699	8.24347E-05	-2.16802E-05	2.57629E-05	2.41866E-06	1.72707E-06	0.00000E+00
4700	8.09135E-05	-1.54025E-05	2.77701E-05	2.54242E-06	1.98877E-06	0.00000E+00
4701	8.14667E-05	-1.72048E-05	2.72340E-05	-8.43942E-06	1.22871E-06	0.00000E+00
4702	8.23139E-05	-2.48594E-05	2.51684E-05	2.38611E-06	1.34322E-06	0.00000E+00
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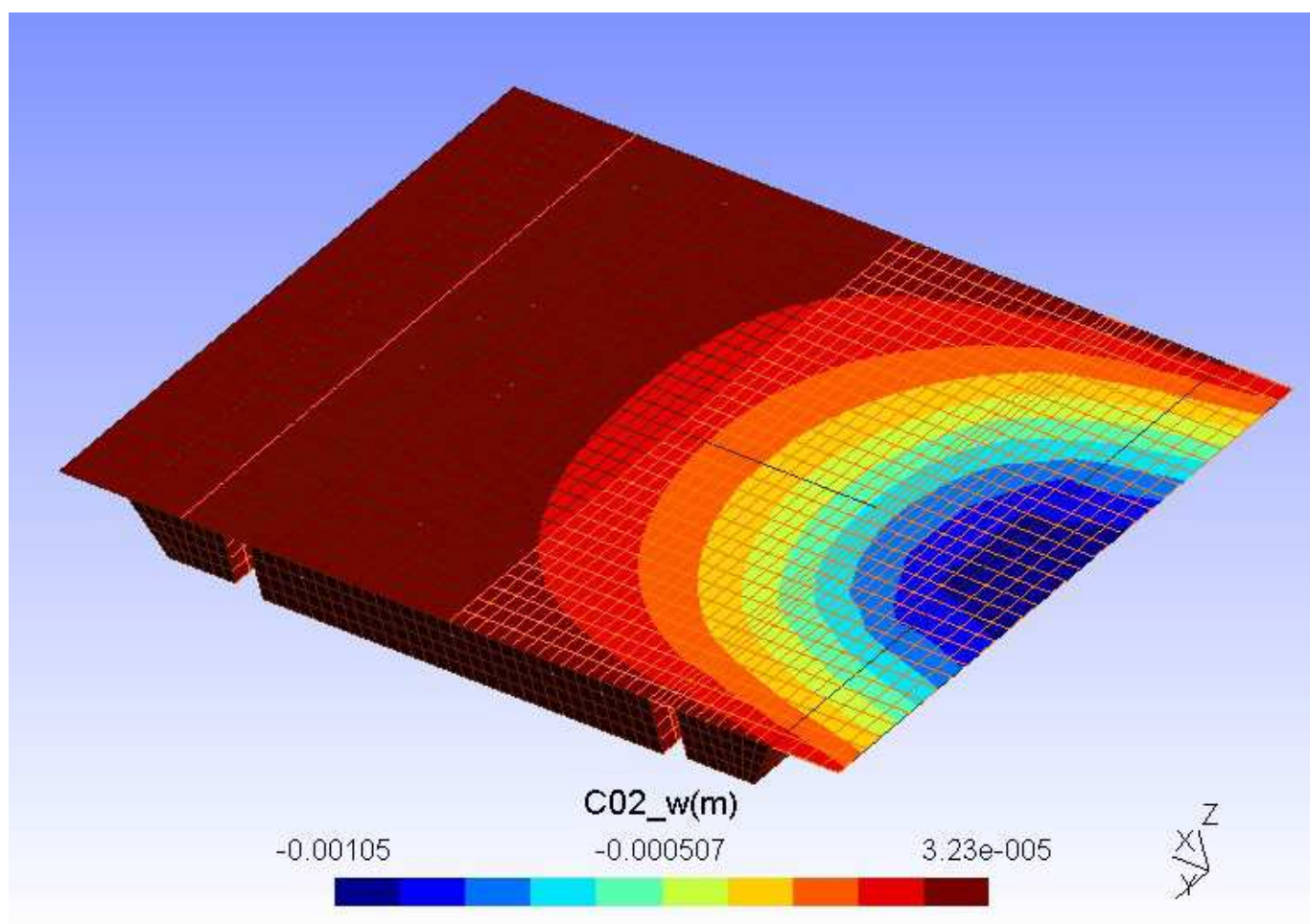
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4705	8.09586E-05	-1.94292E-05	2.67767E-05	2.47337E-06	2.37699E-06	0.00000E+00
4706	8.20158E-05	-2.70631E-05	2.49052E-05	-8.36109E-06	-5.16865E-07	0.00000E+00
4707	8.21187E-05	-3.23799E-05	2.43755E-05	2.34471E-06	7.05909E-07	0.00000E+00
4708	8.10395E-05	-2.10209E-05	2.63275E-05	2.44566E-06	2.51648E-06	0.00000E+00
4709	8.10041E-05	-2.24210E-05	2.58784E-05	2.41725E-06	2.37684E-06	0.00000E+00
4710	8.10620E-05	-2.40223E-05	2.54802E-05	-2.40415E-06	1.97490E-06	-8.47128E-06
4711	8.15585E-05	-2.49528E-05	2.51782E-05	-8.39972E-06	-1.09736E-06	0.00000E+00
4712	8.18453E-05	-2.60939E-05	2.50286E-05	-8.37735E-06	-6.21573E-07	0.00000E+00
4713	8.20105E-05	-3.67108E-05	2.40506E-05	2.33479E-06	6.11428E-07	0.00000E+00
4714	2.89683E-05	-7.97783E-06	2.18136E-05	-4.77374E-06	-3.03818E-06	0.00000E+00
4715	2.91890E-05	-1.09731E-05	2.25833E-05	4.44530E-06	-1.70858E-06	-1.02603E-05
4716	2.92201E-05	-1.22308E-05	2.26860E-05	-1.02662E-05	1.68764E-06	0.00000E+00
4717	2.90612E-05	-1.22065E-05	2.29835E-05	-4.22187E-06	-2.46009E-06	0.00000E+00
4718	2.94880E-05	-1.42413E-05	2.34689E-05	-3.96437E-06	-2.66100E-06	0.00000E+00
4719	3.16012E-05	-2.68897E-05	2.34911E-05	-3.60855E-06	-2.61827E-07	0.00000E+00
4720	3.16258E-05	-3.05189E-05	2.33620E-05	3.48693E-06	9.80143E-07	-9.79278E-06
4721	3.10734E-05	-2.67381E-05	2.37322E-05	-6.47161E-06	-2.28429E-06	0.00000E+00
4722	3.16458E-05	-3.46947E-05	2.29456E-05	-3.55029E-06	7.56665E-07	0.00000E+00
4723	3.02322E-05	-2.38088E-05	2.41358E-05	-6.70667E-06	-2.36701E-06	0.00000E+00
4724	3.16020E-05	-3.96823E-05	2.26052E-05	-3.59187E-06	6.14108E-07	0.00000E+00
4725	2.91705E-05	-1.54320E-05	2.39404E-05	-3.70188E-06	-2.30304E-06	0.00000E+00
4726	2.95038E-05	-1.75156E-05	2.43050E-05	3.59303E-06	-1.31671E-06	-1.03689E-05
4727	2.95494E-05	-2.01937E-05	2.44021E-05	-6.82445E-06	-1.14963E-06	0.00000E+00
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4729	3.60464E-05	-3.91908E-05	2.40663E-05	-2.86970E-06	5.75450E-07	0.00000E+00
4730	7.42257E-05	-3.73169E-05	2.58333E-05	1.59063E-06	6.16913E-07	0.00000E+00
4731	4.03985E-05	-3.93737E-05	2.52177E-05	-2.22191E-06	5.73535E-07	0.00000E+00
4732	7.02565E-05	-3.74945E-05	2.64652E-05	1.19614E-06	6.13719E-07	0.00000E+00
4733	4.48376E-05	-3.89198E-05	2.60890E-05	-1.63139E-06	5.67312E-07	0.00000E+00
4734	6.61356E-05	-3.79228E-05	2.69145E-05	7.84586E-07	6.10320E-07	0.00000E+00
4735	4.91499E-05	-3.89758E-05	2.67033E-05	-1.08622E-06	5.77741E-07	0.00000E+00
4736	6.20241E-05	-3.80512E-05	2.71731E-05	3.53783E-07	6.01636E-07	0.00000E+00
4737	5.35271E-05	-3.85362E-05	2.70792E-05	-5.77547E-07	5.83031E-07	0.00000E+00
4738	5.77576E-05	-3.84867E-05	2.72315E-05	-9.91064E-08	5.95039E-07	0.00000E+00
4739	3.37303E-05	-8.95760E-06	2.38385E-05	-4.16394E-06	-2.53482E-06	0.00000E+00
4740	3.38964E-05	-1.30758E-05	2.45503E-05	-1.02770E-05	1.72521E-06	0.00000E+00
4741	3.60722E-05	-2.71225E-05	2.49622E-05	-2.92628E-06	-5.84484E-08	0.00000E+00
4742	3.82590E-05	-9.42814E-06	2.55813E-05	-3.55641E-06	-1.92571E-06	0.00000E+00
4743	3.85623E-05	-1.33480E-05	2.61301E-05	-1.02474E-05	1.46789E-06	0.00000E+00
4744	4.04801E-05	-2.67136E-05	2.61399E-05	-2.29932E-06	2.03858E-07	0.00000E+00
4745	4.29450E-05	-1.03350E-05	2.70560E-05	-2.96016E-06	-1.29799E-06	0.00000E+00
4746	4.32067E-05	-1.40870E-05	2.74235E-05	-1.01540E-05	1.52964E-06	0.00000E+00
4747	4.49288E-05	-2.68498E-05	2.70437E-05	-1.72231E-06	4.08542E-07	0.00000E+00
4748	4.74091E-05	-1.07888E-05	2.82549E-05	-2.35940E-06	-6.52385E-07	0.00000E+00
4749	4.77979E-05	-1.43273E-05	2.84474E-05	-1.00454E-05	1.35940E-06	0.00000E+00
4750	4.93210E-05	-2.64706E-05	2.76957E-05	-1.18050E-06	6.34756E-07	0.00000E+00
4751	5.19577E-05	-1.16254E-05	2.91846E-05	-1.75387E-06	-3.05596E-08	0.00000E+00
4752	5.23333E-05	-1.49674E-05	2.92046E-05	-9.88691E-06	1.44595E-06	0.00000E+00
4753	5.36991E-05	-2.65150E-05	2.81092E-05	-6.69490E-07	8.12238E-07	0.00000E+00
4754	5.63020E-05	-1.20745E-05	2.98336E-05	-1.13499E-06	5.45801E-07	0.00000E+00
4755	5.67870E-05	-1.51889E-05	2.96968E-05	-9.71727E-06	1.35081E-06	0.00000E+00
4756	5.80134E-05	-2.61465E-05	2.82975E-05	-1.81542E-07	9.90613E-07	0.00000E+00
4757	6.06770E-05	-1.28442E-05	3.02026E-05	-5.02596E-07	1.05387E-06	0.00000E+00
4758	6.11574E-05	-1.57424E-05	2.99274E-05	-9.50750E-06	1.43931E-06	0.00000E+00
4759	6.22705E-05	-2.61112E-05	2.82700E-05	2.85631E-07	1.12069E-06	0.00000E+00
4760	6.48648E-05	-1.32852E-05	3.02806E-05	1.39909E-07	1.46184E-06	0.00000E+00
4761	6.54244E-05	-1.59494E-05	2.98935E-05	-9.29134E-06	1.37408E-06	0.00000E+00
4762	6.64511E-05	-2.57477E-05	2.80355E-05	7.36084E-07	1.23808E-06	0.00000E+00
4763	6.90460E-05	-1.39851E-05	3.00703E-05	7.81487E-07	1.76307E-06	0.00000E+00
4764	6.95899E-05	-1.64274E-05	2.96017E-05	-9.05540E-06	1.42484E-06	0.00000E+00
4765	7.05460E-05	-2.56543E-05	2.76014E-05	1.17030E-06	1.30606E-06	0.00000E+00

4766	7.30615E-05	-1.44034E-05	2.95719E-05	1.40572E-06	1.93940E-06	0.00000E+00
4767	7.36456E-05	-1.66195E-05	2.90530E-05	-8.83320E-06	1.34321E-06	0.00000E+00
4768	7.45572E-05	-2.53043E-05	2.69744E-05	1.59036E-06	1.35465E-06	0.00000E+00
4769	7.70549E-05	-1.50245E-05	2.88002E-05	1.99680E-06	2.01306E-06	0.00000E+00
4770	7.76030E-05	-1.70304E-05	2.82612E-05	-8.62020E-06	1.33660E-06	0.00000E+00
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4772	7.70677E-05	-1.75078E-05	2.81942E-05	-2.00463E-06	2.00799E-06	-8.63063E-06
4773	7.83709E-05	-2.83531E-05	2.57364E-05	-1.98519E-06	8.33061E-07	-8.57794E-06
4774	7.71345E-05	-1.91209E-05	2.77903E-05	2.00495E-06	2.40212E-06	0.00000E+00
4775	7.81662E-05	-2.72396E-05	2.58973E-05	-8.30732E-06	-5.51278E-07	0.00000E+00
4776	7.82504E-05	-3.27362E-05	2.53541E-05	1.97584E-06	7.16572E-07	0.00000E+00
4777	7.70910E-05	-2.05166E-05	2.73368E-05	2.00557E-06	2.55127E-06	0.00000E+00
4778	7.79807E-05	-2.59270E-05	2.60124E-05	-8.33046E-06	-6.34460E-07	0.00000E+00
4779	7.71811E-05	-2.21454E-05	2.68796E-05	2.00866E-06	2.44234E-06	0.00000E+00
4780	7.71630E-05	-2.35675E-05	2.64631E-05	-2.01153E-06	2.04817E-06	-8.62321E-06
4781	7.77030E-05	-2.48372E-05	2.61879E-05	-8.34824E-06	-1.12686E-06	0.00000E+00
4782	3.37300E-05	-1.14797E-05	2.44547E-05	3.80637E-06	-1.17378E-06	-1.02281E-05
4783	3.39674E-05	-1.34108E-05	2.47500E-05	-3.55266E-06	-1.81346E-06	0.00000E+00
4784	3.37211E-05	-1.46697E-05	2.51094E-05	-3.27342E-06	-1.92087E-06	0.00000E+00
4785	3.41236E-05	-1.67041E-05	2.54418E-05	-2.98194E-06	-1.50933E-06	0.00000E+00
4786	3.60547E-05	-3.00684E-05	2.48115E-05	2.84522E-06	9.44538E-07	-9.78553E-06
4787	3.55359E-05	-2.72818E-05	2.51044E-05	-6.85858E-06	-2.00998E-06	0.00000E+00
4788	3.60294E-05	-3.49538E-05	2.43894E-05	-2.84413E-06	7.50950E-07	0.00000E+00
4789	3.48228E-05	-2.38696E-05	2.54970E-05	-7.10035E-06	-2.05551E-06	0.00000E+00
4790	3.42301E-05	-2.12322E-05	2.57629E-05	-7.21163E-06	-1.17940E-06	0.00000E+00
4791	3.39922E-05	-1.80365E-05	2.56503E-05	2.85233E-06	-6.39841E-07	-1.02016E-05
4792	7.43449E-05	-3.28902E-05	2.61633E-05	1.59269E-06	7.21313E-07	0.00000E+00
4793	4.04669E-05	-3.45044E-05	2.55365E-05	-2.21270E-06	7.16297E-07	0.00000E+00
4794	7.03152E-05	-3.32724E-05	2.67947E-05	1.19530E-06	7.25007E-07	0.00000E+00
4795	4.48364E-05	-3.46404E-05	2.64044E-05	-1.62838E-06	7.20948E-07	0.00000E+00
4796	6.62551E-05	-3.33926E-05	2.72433E-05	7.81009E-07	7.22809E-07	0.00000E+00
4797	4.92407E-05	-3.42236E-05	2.70212E-05	-1.08959E-06	7.10196E-07	0.00000E+00
4798	6.20675E-05	-3.37886E-05	2.74989E-05	3.48934E-07	7.22957E-07	0.00000E+00
4799	5.35483E-05	-3.42513E-05	2.73987E-05	-5.82291E-07	7.17951E-07	0.00000E+00
4800	5.78667E-05	-3.38476E-05	2.75551E-05	-1.05154E-07	7.16484E-07	0.00000E+00
4801	3.84408E-05	-1.24914E-05	2.60390E-05	3.15944E-06	-8.18536E-07	-1.02315E-05
4802	4.04681E-05	-3.02811E-05	2.59314E-05	2.18688E-06	9.10152E-07	-9.79343E-06
4803	4.29478E-05	-1.29385E-05	2.73310E-05	2.56295E-06	-2.50455E-07	-1.00685E-05
4804	4.48918E-05	-2.98796E-05	2.68041E-05	1.63442E-06	8.92371E-07	-9.73989E-06
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4808	5.36348E-05	-2.96009E-05	2.77905E-05	5.90715E-07	8.67067E-07	-9.57264E-06
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4810	5.79255E-05	-2.96076E-05	2.79405E-05	1.06395E-07	8.53786E-07	-9.44968E-06
4811	6.06858E-05	-1.54412E-05	2.98457E-05	2.24818E-07	1.40168E-06	-9.42797E-06
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4817	7.31324E-05	-1.71549E-05	2.89881E-05	-1.47279E-06	1.94692E-06	-8.85251E-06
4818	7.44362E-05	-2.86959E-05	2.65469E-05	-1.59951E-06	8.37771E-07	-8.75394E-06
4819	7.31089E-05	-1.85523E-05	2.85882E-05	1.50916E-06	2.36950E-06	0.00000E+00
4820	7.42330E-05	-2.72054E-05	2.67119E-05	-8.25745E-06	-5.70804E-07	0.00000E+00
4821	7.32131E-05	-2.02123E-05	2.81408E-05	1.54355E-06	2.50331E-06	0.00000E+00
4822	7.40425E-05	-2.59552E-05	2.68447E-05	-8.29142E-06	-6.78793E-07	0.00000E+00
4823	7.31615E-05	-2.16313E-05	2.76942E-05	1.57487E-06	2.36316E-06	0.00000E+00
4824	7.37357E-05	-2.44970E-05	2.69960E-05	-8.30837E-06	-1.12820E-06	0.00000E+00
4825	7.32347E-05	-2.32979E-05	2.72985E-05	-1.58607E-06	1.96812E-06	-8.84610E-06
4826	3.83339E-05	-1.38313E-05	2.62253E-05	-2.91044E-06	-1.13374E-06	0.00000E+00
4827	3.86626E-05	-1.58048E-05	2.64468E-05	-2.64132E-06	-1.18573E-06	0.00000E+00

4828	3.84446E-05	-1.71477E-05	2.66523E-05	-2.37233E-06	-9.49081E-07	0.00000E+00
4829	3.86798E-05	-1.91419E-05	2.67947E-05	2.26078E-06	-3.67867E-07	-1.02882E-05
4830	4.00264E-05	-2.70929E-05	2.62225E-05	-7.17843E-06	-1.73224E-06	0.00000E+00
4831	3.94049E-05	-2.45563E-05	2.65561E-05	-7.40075E-06	-1.82098E-06	0.00000E+00
4832	3.88432E-05	-2.15032E-05	2.67697E-05	-7.50734E-06	-1.10143E-06	0.00000E+00
4833	4.31376E-05	-1.48374E-05	2.74121E-05	-2.31416E-06	-4.89529E-07	0.00000E+00
4834	4.44876E-05	-2.74707E-05	2.70532E-05	-7.44042E-06	-1.49505E-06	0.00000E+00
4835	4.74752E-05	-1.52287E-05	2.83389E-05	-1.73542E-06	1.51066E-07	0.00000E+00
4836	4.89250E-05	-2.72870E-05	2.76428E-05	-7.65554E-06	-1.26089E-06	0.00000E+00
4837	5.21107E-05	-1.60871E-05	2.89993E-05	-1.17306E-06	7.10283E-07	0.00000E+00
4838	5.33169E-05	-2.75365E-05	2.80023E-05	-7.82666E-06	-1.08708E-06	0.00000E+00
4839	5.63610E-05	-1.64603E-05	2.94124E-05	-6.20783E-07	1.23475E-06	0.00000E+00
4840	5.76515E-05	-2.73498E-05	2.81392E-05	-7.96224E-06	-9.13854E-07	0.00000E+00
4841	6.07972E-05	-1.72061E-05	2.95697E-05	-7.29561E-08	1.64824E-06	0.00000E+00
4842	6.19196E-05	-2.75014E-05	2.80752E-05	-8.06547E-06	-8.04496E-07	0.00000E+00
4843	6.49167E-05	-1.75631E-05	2.94852E-05	4.64936E-07	1.99802E-06	0.00000E+00
4844	6.61084E-05	-2.73117E-05	2.78066E-05	-8.14444E-06	-6.91131E-07	0.00000E+00
4845	6.91416E-05	-1.82158E-05	2.91533E-05	9.95918E-07	2.22129E-06	0.00000E+00
4846	7.02149E-05	-2.73925E-05	2.73540E-05	-8.20557E-06	-6.35601E-07	0.00000E+00
4847	6.90777E-05	-1.96293E-05	2.87341E-05	1.06902E-06	2.36410E-06	0.00000E+00
4848	6.99978E-05	-2.57393E-05	2.74811E-05	-8.25637E-06	-7.13317E-07	0.00000E+00
4849	6.91953E-05	-2.13304E-05	2.83092E-05	1.14294E-06	2.28267E-06	0.00000E+00
4850	6.97021E-05	-2.43676E-05	2.76634E-05	-8.27466E-06	-1.13973E-06	0.00000E+00
4851	6.91672E-05	-2.27734E-05	2.79169E-05	-1.17604E-06	1.94265E-06	-9.02128E-06
4852	4.29554E-05	-1.62015E-05	2.75099E-05	-2.05116E-06	-4.68214E-07	0.00000E+00
4853	4.32458E-05	-1.81498E-05	2.75824E-05	-1.78318E-06	-2.08243E-07	0.00000E+00
4854	4.31580E-05	-1.95711E-05	2.75839E-05	1.66580E-06	2.35311E-07	-1.00837E-05
4855	4.34870E-05	-2.22972E-05	2.75758E-05	-7.73251E-06	-1.12402E-06	0.00000E+00
4856	4.39556E-05	-2.45891E-05	2.73367E-05	-7.64515E-06	-1.54610E-06	0.00000E+00
4857	4.77223E-05	-1.71281E-05	2.83108E-05	-1.49499E-06	1.97823E-07	0.00000E+00
4858	4.84815E-05	-2.50995E-05	2.78996E-05	-7.82944E-06	-1.35435E-06	0.00000E+00
4859	5.19802E-05	-1.74991E-05	2.88654E-05	-9.54884E-07	8.06743E-07	0.00000E+00
4860	5.29328E-05	-2.51074E-05	2.82075E-05	-7.97595E-06	-1.14617E-06	0.00000E+00
4861	5.65452E-05	-1.82800E-05	2.91779E-05	-4.34826E-07	1.33493E-06	0.00000E+00
4862	5.73359E-05	-2.54880E-05	2.83346E-05	-8.08125E-06	-1.01372E-06	0.00000E+00
4863	6.07053E-05	-1.86294E-05	2.92580E-05	7.89799E-08	1.77855E-06	0.00000E+00
4864	6.16396E-05	-2.54771E-05	2.82300E-05	-8.16048E-06	-8.73269E-07	0.00000E+00
4865	6.50542E-05	-1.93011E-05	2.91073E-05	5.77362E-07	2.12106E-06	0.00000E+00
4866	6.58739E-05	-2.57622E-05	2.79612E-05	-8.21433E-06	-7.96510E-07	0.00000E+00
4867	6.49796E-05	-2.07368E-05	2.87276E-05	6.83219E-07	2.02131E-06	0.00000E+00
4868	6.55388E-05	-2.39588E-05	2.81139E-05	-8.23892E-06	-1.12093E-06	0.00000E+00
4869	6.50749E-05	-2.24795E-05	2.83877E-05	-7.25023E-07	1.72363E-06	-9.27508E-06
4870	4.75703E-05	-1.85430E-05	2.82697E-05	-1.25973E-06	3.02033E-07	0.00000E+00
4871	4.77412E-05	-2.04518E-05	2.82087E-05	1.16319E-06	5.08688E-07	-1.00443E-05
4872	4.80239E-05	-2.25120E-05	2.80782E-05	-7.90375E-06	-1.08406E-06	0.00000E+00
4873	5.21926E-05	-1.93634E-05	2.87125E-05	-7.35905E-07	9.21096E-07	0.00000E+00
4874	5.25516E-05	-2.31353E-05	2.84199E-05	-8.03208E-06	-1.11250E-06	0.00000E+00
4875	5.64387E-05	-1.97191E-05	2.89361E-05	-2.56617E-07	1.32082E-06	0.00000E+00
4876	5.69531E-05	-2.33107E-05	2.84945E-05	-8.12577E-06	-1.09796E-06	0.00000E+00
4877	6.08622E-05	-2.04105E-05	2.89350E-05	2.30306E-07	1.77336E-06	0.00000E+00
4878	6.13130E-05	-2.38106E-05	2.84234E-05	-8.19222E-06	-1.12665E-06	0.00000E+00
4879	6.08206E-05	-2.18686E-05	2.86226E-05	-2.96474E-07	1.59158E-06	-9.43944E-06
4880	5.21322E-05	-2.08191E-05	2.85349E-05	6.40425E-07	1.00541E-06	-9.81069E-06
4881	5.65653E-05	-2.15438E-05	2.87098E-05	1.84604E-07	1.22666E-06	-9.69310E-06

Reacciones:

Nodo	Rfx (kN)	Rfy (kN)	Rfz (kN)	Rmx (kN.m)	Rmy (kN.m)	Rmz (kN.m)
393	-27.828	4.433	157.202	0.000	0.000	0.000
397	0.000	0.000	198.586	0.000	-0.000	0.000
773	-42.564	25.790	61.280	0.000	0.000	0.000
808	0.000	-0.000	23.121	0.000	-0.000	-0.000
1312	8.908	22.870	43.168	-0.000	0.000	0.000
1320	0.000	0.000	12.555	0.000	0.000	-0.000
1519	7.051	-1.557	15.013	-0.000	0.000	-0.000
1563	0.000	0.000	16.620	0.000	0.000	-0.000
1573	12.281	0.522	10.793	0.000	-0.000	0.000
1810	16.914	-15.347	-3.489	-0.000	-0.000	-0.000
1863	0.000	0.000	9.121	0.000	0.000	-0.000
2110	15.256	-20.170	-5.263	-0.000	0.000	-0.000
2163	-0.000	-0.000	4.416	0.000	-0.000	0.000
2410	11.296	-20.325	-6.008	0.000	-0.000	-0.000
2463	0.000	-0.000	2.223	-0.000	0.000	-0.000
2710	7.249	-17.761	-5.948	0.000	0.000	0.000
2763	0.000	0.000	1.056	-0.000	0.000	-0.000
3070	3.694	-13.848	-5.468	0.000	-0.000	-0.000
3123	-0.000	0.000	0.005	-0.000	0.000	-0.000
3217	0.000	0.000	-1.279	-0.000	0.000	0.000
3390	1.097	-10.131	-5.220	-0.000	-0.000	-0.000
3456	-0.000	0.000	-1.365	0.000	-0.000	0.000
3463	0.399	-5.290	-3.898	0.000	0.000	-0.000
3539	-0.000	-0.000	-3.030	-0.000	-0.000	-0.000
3554	0.000	-0.000	-1.189	-0.000	-0.000	0.000
4083	-6.096	10.448	1.186	-0.000	0.000	0.000
4102	-7.657	40.366	5.814	0.000	-0.000	-0.000
Total:	0.000	-0.000	520.000	0.000	0.000	-0.000



PRUEBA DE CARGA - DESPLAZAMIENTOS W (m)