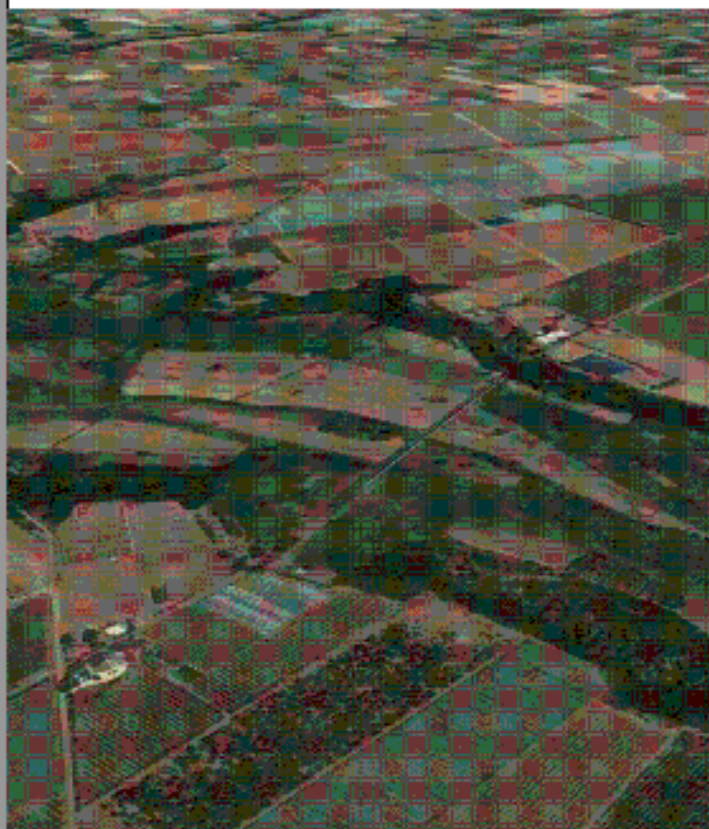


CONSORZIO DI BONIFICA STORNARA E TARA

viale Magna Grecia, 240 - 74121 TARANTO

PROGETTO DI FATTIBILITA' TECNICO-ECONOMICA DI RIPRISTINO DEL
"PONTE TUBO DELL'IMPIANTO IRRIGUO CONSORTILE SX BRADANO
UBICATO IN ATTRAVERSAMENTO NELLA LAMA DI LATERZA"
NEL COMUNE DI CASTELLANETA (TA)
CIG ZE320C0FE5



Capogruppo R.T.P.
ing. Francesco LASIGNA
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ing. Giuseppe CARLUCCI
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dott. geol. Antonio TRAMONTE
via Vittorio Veneto, 134 - 74016 MASSAFRA

R.U.P. Consorzio di Bonifica
ing. Santo CALASSO

ELABORATO	DATA	SCALA	ALLEGATO
<i>Analisi strutturale dello stato di fatto (parte 1)</i>	07/2018	varie	R.4.a

AGGIORNAMENTO	DATA	DESCRIZIONE

DATI STRUTTURA:

Unita` di misura :
 LUNGHEZZE : cm
 SUPERFICI : cm²
 DATI SEZIONALI : cm
 ANGOLI : gradi
 FORZE : kN
 MOMENTI : kNm
 CARICHI LINEARI : kN/m
 CARICHI SUPERFIC. : kN/m²
 TENSIONI : N/mm²
 PESI DI VOLUME : kN/m³
 COEFF. DI WINKLER: daN/cm³
 RIGIDENZE VINCOL. : kN/cm - kNm/rad

NODI				num = 878			
Nome	Coord. X	Coord. Y	Coord. Z				
Nodi di base delle Pile							
1	2563.000	0.000	-245.500	212	2563.000	-120.700	29.500
2	5126.000	0.000	-427.900	213	2644.500	-120.700	29.500
3	7689.000	0.000	-425.400	214	2673.000	-120.700	29.500
4	10252.000	0.000	-452.800	215	2453.000	0.000	29.500
5	12815.000	0.000	-490.300	216	2481.500	0.000	29.500
6	15378.000	0.000	-402.700	217	2563.000	0.000	29.500
7	17941.000	0.000	-445.200	218	2644.500	0.000	29.500
8	20504.000	0.000	-452.600	219	2673.000	0.000	29.500
9	23067.000	0.000	-465.100	220	2453.000	120.700	29.500
10	25630.000	0.000	-462.500	221	2481.500	120.700	29.500
11	28193.000	0.000	-390.000	222	2563.000	120.700	29.500
12	30756.000	0.000	-472.400	223	2644.500	120.700	29.500
13	33319.000	0.000	-429.900	224	2673.000	120.700	29.500
14	35882.000	0.000	-397.300	225	2453.000	152.200	29.500
15	38445.000	0.000	-294.800	226	2481.500	152.200	29.500
Nodi di base delle Spalle							
100	-150.000	-275.000	0.000	227	2563.000	152.200	29.500
101	-75.000	-275.000	0.000	228	2644.500	152.200	29.500
102	0.000	-275.000	0.000	229	2673.000	152.200	29.500
103	81.500	-275.000	0.000	230	2453.000	183.700	29.500
104	110.000	-275.000	0.000	231	2481.500	183.700	29.500
105	-150.000	-152.200	0.000	232	2563.000	183.700	29.500
106	-75.000	-152.200	0.000	233	2644.500	183.700	29.500
107	0.000	-152.200	0.000	234	2673.000	183.700	29.500
108	81.500	-152.200	0.000	235	5016.000	-183.700	32.100
109	110.000	-152.200	0.000	236	5044.500	-183.700	32.100
110	-150.000	0.000	0.000	237	5126.000	-183.700	32.100
111	-75.000	0.000	0.000	238	5207.500	-183.700	32.100
112	0.000	0.000	0.000	239	5236.000	-183.700	32.100
113	81.500	0.000	0.000	240	5016.000	-152.200	32.100
114	110.000	0.000	0.000	241	5044.500	-152.200	32.100
115	-150.000	152.200	0.000	242	5126.000	-152.200	32.100
116	-75.000	152.200	0.000	243	5207.500	-152.200	32.100
117	0.000	152.200	0.000	244	5236.000	-152.200	32.100
118	81.500	152.200	0.000	245	5016.000	-120.700	32.100
119	110.000	152.200	0.000	246	5044.500	-120.700	32.100
120	-150.000	275.000	0.000	247	5126.000	-120.700	32.100
121	-75.000	275.000	0.000	248	5207.500	-120.700	32.100
122	0.000	275.000	0.000	249	5236.000	-120.700	32.100
123	81.500	275.000	0.000	250	5016.000	0.000	32.100
124	110.000	275.000	0.000	251	5044.500	0.000	32.100
125	40898.000	-275.000	40.800	252	5126.000	0.000	32.100
126	40926.500	-275.000	40.800	253	5207.500	0.000	32.100
127	41008.000	-275.000	40.800	254	5236.000	0.000	32.100
128	41083.000	-275.000	40.800	255	5016.000	120.700	32.100
129	41158.000	-275.000	40.800	256	5044.500	120.700	32.100
130	40898.000	-152.200	40.800	257	5126.000	120.700	32.100
131	40926.500	-152.200	40.800	258	5207.500	120.700	32.100
132	41008.000	-152.200	40.800	259	5236.000	120.700	32.100
133	41083.000	-152.200	40.800	260	5016.000	152.200	32.100
134	41158.000	-152.200	40.800	261	5044.500	152.200	32.100
135	40898.000	0.000	40.800	262	5126.000	152.200	32.100
136	40926.500	0.000	40.800	263	5207.500	152.200	32.100
137	41008.000	0.000	40.800	264	5236.000	152.200	32.100
138	41083.000	0.000	40.800	265	5016.000	183.700	32.100
139	41158.000	0.000	40.800	266	5044.500	183.700	32.100
140	40898.000	152.200	40.800	267	5126.000	183.700	32.100
141	40926.500	152.200	40.800	268	5207.500	183.700	32.100
142	41008.000	152.200	40.800	269	5236.000	183.700	32.100
143	41083.000	152.200	40.800	270	7579.000	-183.700	34.600
144	41158.000	152.200	40.800	271	7607.500	-183.700	34.600
145	40898.000	275.000	40.800	272	7689.000	-183.700	34.600
146	40926.500	275.000	40.800	273	7770.500	-183.700	34.600
147	41008.000	275.000	40.800	274	7799.000	-183.700	34.600
148	41083.000	275.000	40.800	275	7579.000	-152.200	34.600
149	41158.000	275.000	40.800	276	7607.500	-152.200	34.600
Nodi dei Pulvini							
200	2453.000	-183.700	29.500	277	7689.000	-152.200	34.600
201	2481.500	-183.700	29.500	278	7770.500	-152.200	34.600
202	2563.000	-183.700	29.500	279	7799.000	-152.200	34.600
203	2644.500	-183.700	29.500	280	7579.000	-120.700	34.600
204	2673.000	-183.700	29.500	281	7607.500	-120.700	34.600
205	2453.000	-152.200	29.500	282	7689.000	-120.700	34.600
206	2481.500	-152.200	29.500	283	7770.500	-120.700	34.600
207	2563.000	-152.200	29.500	284	7799.000	-120.700	34.600
208	2644.500	-152.200	29.500	285	7579.000	0.000	34.600
209	2673.000	-152.200	29.500	286	7607.500	0.000	34.600
210	2453.000	-120.700	29.500	287	7689.000	0.000	34.600
211	2481.500	-120.700	29.500	288	7770.500	0.000	34.600
				289	7799.000	0.000	34.600
				290	7579.000	120.700	34.600

1159	22985.500	152.200	57.900	1224	32037.500	-152.200	66.900
1160	23054.500	-152.200	57.900	1225	32037.500	152.200	66.900
1161	23054.500	152.200	57.900	1226	32547.500	-152.200	67.400
1162	23079.500	-152.200	58.000	1227	32547.500	152.200	67.400
1163	23079.500	152.200	58.000	1228	33056.500	-152.200	67.900
1164	23148.500	-152.200	58.000	1229	33056.500	152.200	67.900
1165	23148.500	152.200	58.000	1230	33237.500	-152.200	68.100
1166	23329.500	-152.200	58.200	1231	33237.500	152.200	68.100
1167	23329.500	152.200	58.200	1232	33306.500	-152.200	68.100
1168	23838.500	-152.200	58.700	1233	33306.500	152.200	68.100
1169	23838.500	152.200	58.700	1234	33331.500	-152.200	68.200
1170	24348.500	-152.200	59.200	1235	33331.500	152.200	68.200
1171	24348.500	152.200	59.200	1236	33400.500	-152.200	68.200
1172	24858.500	-152.200	59.700	1237	33400.500	152.200	68.200
1173	24858.500	152.200	59.700	1238	33581.500	-152.200	68.400
1174	25367.500	-152.200	60.200	1239	33581.500	152.200	68.400
1175	25367.500	152.200	60.200	1240	34090.500	-152.200	68.900
1176	25548.500	-152.200	60.400	1241	34090.500	152.200	68.900
1177	25548.500	152.200	60.400	1242	34600.500	-152.200	69.400
1178	25617.500	-152.200	60.500	1243	34600.500	152.200	69.400
1179	25617.500	152.200	60.500	1244	35110.500	-152.200	69.900
1180	25642.500	-152.200	60.500	1245	35110.500	152.200	69.900
1181	25642.500	152.200	60.500	1246	35619.500	-152.200	70.400
1182	25711.500	-152.200	60.600	1247	35619.500	152.200	70.400
1183	25711.500	152.200	60.600	1248	35800.500	-152.200	70.600
1184	25892.500	-152.200	60.800	1249	35800.500	152.200	70.600
1185	25892.500	152.200	60.800	1250	35869.500	-152.200	70.700
1186	26401.500	-152.200	61.300	1251	35869.500	152.200	70.700
1187	26401.500	152.200	61.300	1252	35894.500	-152.200	70.700
1188	26911.500	-152.200	61.800	1253	35894.500	152.200	70.700
1189	26911.500	152.200	61.800	1254	35963.500	-152.200	70.800
1190	27421.500	-152.200	62.300	1255	35963.500	152.200	70.800
1191	27421.500	152.200	62.300	1256	36144.500	-152.200	71.000
1192	27930.500	-152.200	62.800	1257	36144.500	152.200	71.000
1193	27930.500	152.200	62.800	1258	36653.500	-152.200	71.500
1194	28111.500	-152.200	63.000	1259	36653.500	152.200	71.500
1195	28111.500	152.200	63.000	1260	37163.500	-152.200	72.000
1196	28180.500	-152.200	63.000	1261	37163.500	152.200	72.000
1197	28180.500	152.200	63.000	1262	37673.500	-152.200	72.500
1198	28205.500	-152.200	63.100	1263	37673.500	152.200	72.500
1199	28205.500	152.200	63.100	1264	38182.500	-152.200	73.000
1200	28274.500	-152.200	63.100	1265	38182.500	152.200	73.000
1201	28274.500	152.200	63.100	1266	38363.500	-152.200	73.200
1202	28455.500	-152.200	63.300	1267	38363.500	152.200	73.200
1203	28455.500	152.200	63.300	1268	38432.500	-152.200	73.200
1204	28964.500	-152.200	63.800	1269	38432.500	152.200	73.200
1205	28964.500	152.200	63.800	1270	38457.500	-152.200	73.300
1206	29474.500	-152.200	64.300	1271	38457.500	152.200	73.300
1207	29474.500	152.200	64.300	1272	38526.500	-152.200	73.300
1208	29984.500	-152.200	64.800	1273	38526.500	152.200	73.300
1209	29984.500	152.200	64.800	1274	38707.500	-152.200	73.500
1210	30493.500	-152.200	65.300	1275	38707.500	152.200	73.500
1211	30493.500	152.200	65.300	1276	39216.500	-152.200	74.000
1212	30674.500	-152.200	65.500	1277	39216.500	152.200	74.000
1213	30674.500	152.200	65.500	1278	39726.500	-152.200	74.500
1214	30743.500	-152.200	65.600	1279	39726.500	152.200	74.500
1215	30743.500	152.200	65.600	1280	40236.500	-152.200	75.000
1216	30768.500	-152.200	65.600	1281	40236.500	152.200	75.000
1217	30768.500	152.200	65.600	1282	40745.500	-152.200	75.500
1218	30837.500	-152.200	65.700	1283	40745.500	152.200	75.500
1219	30837.500	152.200	65.700	1284	40926.500	-152.200	75.700
1220	31018.500	-152.200	65.900	1285	40926.500	152.200	75.700
1221	31018.500	152.200	65.900	1286	40995.500	-152.200	75.800
1222	31527.500	-152.200	66.400	1287	40995.500	152.200	75.800
1223	31527.500	152.200	66.400				

ASTE - Nome Pile	Proprieta`	Nodo iniz.	Nodo fin.	Rilasci in.	Rilasci fin.	num = Orient.
1	3	1	217			0.0
2	3	2	252			0.0
3	3	3	287			0.0
4	3	4	322			0.0
5	3	5	357			0.0
6	3	6	392			0.0
7	3	7	427			0.0
8	3	8	462			0.0
9	3	9	497			0.0
10	3	10	532			0.0
11	3	11	567			0.0
12	3	12	602			0.0
13	3	13	637			0.0
14	3	14	672			0.0
15	3	15	707			0.0
Travi						
101	5	1000	1002			0.0
102	6	1001	1003			0.0
103	5	1002	1004			0.0
104	6	1003	1005			0.0
105	5	1004	1006			0.0
106	6	1005	1007			0.0
107	5	1006	1008			0.0
108	6	1007	1009			0.0
109	5	1008	1010			0.0
110	6	1009	1011			0.0
111	5	1010	1012			0.0
112	6	1011	1013			0.0
113	5	1012	1014			0.0
114	6	1013	1015			0.0

115	5	1014	1016	0.0
116	6	1015	1017	0.0
117	5	1018	1020	0.0
118	6	1019	1021	0.0
119	5	1020	1022	0.0
120	6	1021	1023	0.0
121	5	1022	1024	0.0
122	6	1023	1025	0.0
123	5	1024	1026	0.0
124	6	1025	1027	0.0
125	5	1026	1028	0.0
126	6	1027	1029	0.0
127	5	1028	1030	0.0
128	6	1029	1031	0.0
129	5	1030	1032	0.0
130	6	1031	1033	0.0
131	5	1032	1034	0.0
132	6	1033	1035	0.0
133	5	1036	1038	0.0
134	6	1037	1039	0.0
135	5	1038	1040	0.0
136	6	1039	1041	0.0
137	5	1040	1042	0.0
138	6	1041	1043	0.0
139	5	1042	1044	0.0
140	6	1043	1045	0.0
141	5	1044	1046	0.0
142	6	1045	1047	0.0
143	5	1046	1048	0.0
144	6	1047	1049	0.0
145	5	1048	1050	0.0
146	6	1049	1051	0.0
147	5	1050	1052	0.0
148	6	1051	1053	0.0
149	5	1054	1056	0.0
150	6	1055	1057	0.0
151	5	1056	1058	0.0
152	6	1057	1059	0.0
153	5	1058	1060	0.0
154	6	1059	1061	0.0
155	5	1060	1062	0.0
156	6	1061	1063	0.0
157	5	1062	1064	0.0
158	6	1063	1065	0.0
159	5	1064	1066	0.0
160	6	1065	1067	0.0
161	5	1066	1068	0.0
162	6	1067	1069	0.0
163	5	1068	1070	0.0
164	6	1069	1071	0.0
165	5	1072	1074	0.0
166	6	1073	1075	0.0
167	5	1074	1076	0.0
168	6	1075	1077	0.0
169	5	1076	1078	0.0
170	6	1077	1079	0.0
171	5	1078	1080	0.0
172	6	1079	1081	0.0
173	5	1080	1082	0.0
174	6	1081	1083	0.0
175	5	1082	1084	0.0
176	6	1083	1085	0.0
177	5	1084	1086	0.0
178	6	1085	1087	0.0
179	5	1086	1088	0.0
180	6	1087	1089	0.0
181	5	1090	1092	0.0
182	6	1091	1093	0.0
183	5	1092	1094	0.0
184	6	1093	1095	0.0
185	5	1094	1096	0.0
186	6	1095	1097	0.0
187	5	1096	1098	0.0
188	6	1097	1099	0.0
189	5	1098	1100	0.0
190	6	1099	1101	0.0
191	5	1100	1102	0.0
192	6	1101	1103	0.0
193	5	1102	1104	0.0
194	6	1103	1105	0.0
195	5	1104	1106	0.0
196	6	1105	1107	0.0
197	5	1108	1110	0.0
198	6	1109	1111	0.0
199	5	1110	1112	0.0
200	6	1111	1113	0.0
201	5	1112	1114	0.0
202	6	1113	1115	0.0
203	5	1114	1116	0.0
204	6	1115	1117	0.0
205	5	1116	1118	0.0
206	6	1117	1119	0.0
207	5	1118	1120	0.0
208	6	1119	1121	0.0
209	5	1120	1122	0.0
210	6	1121	1123	0.0
211	5	1122	1124	0.0
212	6	1123	1125	0.0
213	5	1126	1128	0.0

214	6	1127	1129	0.0
215	5	1128	1130	0.0
216	6	1129	1131	0.0
217	5	1130	1132	0.0
218	6	1131	1133	0.0
219	5	1132	1134	0.0
220	6	1133	1135	0.0
221	5	1134	1136	0.0
222	6	1135	1137	0.0
223	5	1136	1138	0.0
224	6	1137	1139	0.0
225	5	1138	1140	0.0
226	6	1139	1141	0.0
227	5	1140	1142	0.0
228	6	1141	1143	0.0
229	5	1144	1146	0.0
230	6	1145	1147	0.0
231	5	1146	1148	0.0
232	6	1147	1149	0.0
233	5	1148	1150	0.0
234	6	1149	1151	0.0
235	5	1150	1152	0.0
236	6	1151	1153	0.0
237	5	1152	1154	0.0
238	6	1153	1155	0.0
239	5	1154	1156	0.0
240	6	1155	1157	0.0
241	5	1156	1158	0.0
242	6	1157	1159	0.0
243	5	1158	1160	0.0
244	6	1159	1161	0.0
245	5	1162	1164	0.0
246	6	1163	1165	0.0
247	5	1164	1166	0.0
248	6	1165	1167	0.0
249	5	1166	1168	0.0
250	6	1167	1169	0.0
251	5	1168	1170	0.0
252	6	1169	1171	0.0
253	5	1170	1172	0.0
254	6	1171	1173	0.0
255	5	1172	1174	0.0
256	6	1173	1175	0.0
257	5	1174	1176	0.0
258	6	1175	1177	0.0
259	5	1176	1178	0.0
260	6	1177	1179	0.0
261	5	1180	1182	0.0
262	6	1181	1183	0.0
263	5	1182	1184	0.0
264	6	1183	1185	0.0
265	5	1184	1186	0.0
266	6	1185	1187	0.0
267	5	1186	1188	0.0
268	6	1187	1189	0.0
269	5	1188	1190	0.0
270	6	1189	1191	0.0
271	5	1190	1192	0.0
272	6	1191	1193	0.0
273	5	1192	1194	0.0
274	6	1193	1195	0.0
275	5	1194	1196	0.0
276	6	1195	1197	0.0
277	5	1198	1200	0.0
278	6	1199	1201	0.0
279	5	1200	1202	0.0
280	6	1201	1203	0.0
281	5	1202	1204	0.0
282	6	1203	1205	0.0
283	5	1204	1206	0.0
284	6	1205	1207	0.0
285	5	1206	1208	0.0
286	6	1207	1209	0.0
287	5	1208	1210	0.0
288	6	1209	1211	0.0
289	5	1210	1212	0.0
290	6	1211	1213	0.0
291	5	1212	1214	0.0
292	6	1213	1215	0.0
293	5	1216	1218	0.0
294	6	1217	1219	0.0
295	5	1218	1220	0.0
296	6	1219	1221	0.0
297	5	1220	1222	0.0
298	6	1221	1223	0.0
299	5	1222	1224	0.0
300	6	1223	1225	0.0
301	5	1224	1226	0.0
302	6	1225	1227	0.0
303	5	1226	1228	0.0
304	6	1227	1229	0.0
305	5	1228	1230	0.0
306	6	1229	1231	0.0
307	5	1230	1232	0.0
308	6	1231	1233	0.0
309	5	1234	1236	0.0
310	6	1235	1237	0.0
311	5	1236	1238	0.0
312	6	1237	1239	0.0

313	5	1238	1240	0.0
314	6	1239	1241	0.0
315	5	1240	1242	0.0
316	6	1241	1243	0.0
317	5	1242	1244	0.0
318	6	1243	1245	0.0
319	5	1244	1246	0.0
320	6	1245	1247	0.0
321	5	1246	1248	0.0
322	6	1247	1249	0.0
323	5	1248	1250	0.0
324	6	1249	1251	0.0
325	5	1252	1254	0.0
326	6	1253	1255	0.0
327	5	1254	1256	0.0
328	6	1255	1257	0.0
329	5	1256	1258	0.0
330	6	1257	1259	0.0
331	5	1258	1260	0.0
332	6	1259	1261	0.0
333	5	1260	1262	0.0
334	6	1261	1263	0.0
335	5	1262	1264	0.0
336	6	1263	1265	0.0
337	5	1264	1266	0.0
338	6	1265	1267	0.0
339	5	1266	1268	0.0
340	6	1267	1269	0.0
341	5	1270	1272	0.0
342	6	1271	1273	0.0
343	5	1272	1274	0.0
344	6	1273	1275	0.0
345	5	1274	1276	0.0
346	6	1275	1277	0.0
347	5	1276	1278	0.0
348	6	1277	1279	0.0
349	5	1278	1280	0.0
350	6	1279	1281	0.0
351	5	1280	1282	0.0
352	6	1281	1283	0.0
353	5	1282	1284	0.0
354	6	1283	1285	0.0
355	5	1284	1286	0.0
356	6	1285	1287	0.0
<u>Selle di testa</u>				
501	1	1003	1002	0.0
502	1	1015	1014	0.0
503	1	1021	1020	0.0
504	1	1033	1032	0.0
505	1	1039	1038	0.0
506	1	1051	1050	0.0
507	1	1057	1056	0.0
508	1	1069	1068	0.0
509	1	1075	1074	0.0
510	1	1087	1086	0.0
511	1	1093	1092	0.0
512	1	1105	1104	0.0
513	1	1111	1110	0.0
514	1	1123	1122	0.0
515	1	1129	1128	0.0
516	1	1141	1140	0.0
517	1	1147	1146	0.0
518	1	1159	1158	0.0
519	1	1165	1164	0.0
520	1	1177	1176	0.0
521	1	1183	1182	0.0
522	1	1195	1194	0.0
523	1	1201	1200	0.0
524	1	1213	1212	0.0
525	1	1219	1218	0.0
526	1	1231	1230	0.0
527	1	1237	1236	0.0
528	1	1249	1248	0.0
529	1	1255	1254	0.0
530	1	1267	1266	0.0
531	1	1273	1272	0.0
532	1	1285	1284	0.0
<u>Selle intermedie</u>				
701	2	1005	1004	0.0
702	2	1007	1006	0.0
703	2	1009	1008	0.0
704	2	1011	1010	0.0
705	2	1013	1012	0.0
706	2	1023	1022	0.0
707	2	1025	1024	0.0
708	2	1027	1026	0.0
709	2	1029	1028	0.0
710	2	1031	1030	0.0
711	2	1041	1040	0.0
712	2	1043	1042	0.0
713	2	1045	1044	0.0
714	2	1047	1046	0.0
715	2	1049	1048	0.0
716	2	1059	1058	0.0
717	2	1061	1060	0.0
718	2	1063	1062	0.0
719	2	1065	1064	0.0
720	2	1067	1066	0.0
721	2	1077	1076	0.0

722	2	1079	1078		0.0
723	2	1081	1080		0.0
724	2	1083	1082		0.0
725	2	1085	1084		0.0
726	2	1095	1094		0.0
727	2	1097	1096		0.0
728	2	1099	1098		0.0
729	2	1101	1100		0.0
730	2	1103	1102		0.0
731	2	1113	1112		0.0
732	2	1115	1114		0.0
733	2	1117	1116		0.0
734	2	1119	1118		0.0
735	2	1121	1120		0.0
736	2	1131	1130		0.0
737	2	1133	1132		0.0
738	2	1135	1134		0.0
739	2	1137	1136		0.0
740	2	1139	1138		0.0
741	2	1149	1148		0.0
742	2	1151	1150		0.0
743	2	1153	1152		0.0
744	2	1155	1154		0.0
745	2	1157	1156		0.0
746	2	1167	1166		0.0
747	2	1169	1168		0.0
748	2	1171	1170		0.0
749	2	1173	1172		0.0
750	2	1175	1174		0.0
751	2	1185	1184		0.0
752	2	1187	1186		0.0
753	2	1189	1188		0.0
754	2	1191	1190		0.0
755	2	1193	1192		0.0
756	2	1203	1202		0.0
757	2	1205	1204		0.0
758	2	1207	1206		0.0
759	2	1209	1208		0.0
760	2	1211	1210		0.0
761	2	1221	1220		0.0
762	2	1223	1222		0.0
763	2	1225	1224		0.0
764	2	1227	1226		0.0
765	2	1229	1228		0.0
766	2	1239	1238		0.0
767	2	1241	1240		0.0
768	2	1243	1242		0.0
769	2	1245	1244		0.0
770	2	1247	1246		0.0
771	2	1257	1256		0.0
772	2	1259	1258		0.0
773	2	1261	1260		0.0
774	2	1263	1262		0.0
775	2	1265	1264		0.0
776	2	1275	1274		0.0
777	2	1277	1276		0.0
778	2	1279	1278		0.0
779	2	1281	1280		0.0
780	2	1283	1282		0.0
<u>Appoggi e Carrelli</u>					
1001	4	108	1002	RxRyRz	0.0
1002	4	118	1003	RxRyRz	0.0
1003	4	206	1014	RyRz	0.0
1004	4	226	1015	RyRz	0.0
1005	4	208	1020	RyRz	0.0
1006	4	228	1021	RyRz	0.0
1007	4	241	1032	RxRyRz	0.0
1008	4	261	1033	RxRyRz	0.0
1009	4	243	1038	RxRyRz	0.0
1010	4	263	1039	RxRyRz	0.0
1011	4	276	1050	RyRz	0.0
1012	4	296	1051	RyRz	0.0
1013	4	278	1056	RyRz	0.0
1014	4	298	1057	RyRz	0.0
1015	4	311	1068	RxRyRz	0.0
1016	4	331	1069	RxRyRz	0.0
1017	4	313	1074	RxRyRz	0.0
1018	4	333	1075	RxRyRz	0.0
1019	4	346	1086	RyRz	0.0
1020	4	366	1087	RyRz	0.0
1021	4	348	1092	RyRz	0.0
1022	4	368	1093	RyRz	0.0
1023	4	381	1104	RxRyRz	0.0
1024	4	401	1105	RxRyRz	0.0
1025	4	383	1110	RxRyRz	0.0
1026	4	403	1111	RxRyRz	0.0
1027	4	416	1122	RyRz	0.0
1028	4	436	1123	RyRz	0.0
1029	4	418	1128	RyRz	0.0
1030	4	438	1129	RyRz	0.0
1031	4	451	1140	RxRyRz	0.0
1032	4	471	1141	RxRyRz	0.0
1033	4	453	1146	RxRyRz	0.0
1034	4	473	1147	RxRyRz	0.0
1035	4	486	1158	RyRz	0.0
1036	4	506	1159	RyRz	0.0
1037	4	488	1164	RyRz	0.0
1038	4	508	1165	RyRz	0.0
1039	4	521	1176	RxRyRz	0.0

1040	4	541	1177	RxRyRz	0.0
1041	4	523	1182	RxRyRz	0.0
1042	4	543	1183	RxRyRz	0.0
1043	4	131	1284	RxRyRz	0.0
1044	4	141	1285	RxRyRz	0.0
1045	4	556	1194	RyRz	0.0
1046	4	576	1195	RyRz	0.0
1047	4	558	1200	RyRz	0.0
1048	4	578	1201	RyRz	0.0
1049	4	591	1212	RxRyRz	0.0
1050	4	611	1213	RxRyRz	0.0
1051	4	593	1218	RxRyRz	0.0
1052	4	613	1219	RxRyRz	0.0
1053	4	626	1230	RyRz	0.0
1054	4	646	1231	RyRz	0.0
1055	4	628	1236	RyRz	0.0
1056	4	648	1237	RyRz	0.0
1057	4	661	1248	RxRyRz	0.0
1058	4	681	1249	RxRyRz	0.0
1059	4	663	1254	RxRyRz	0.0
1060	4	683	1255	RxRyRz	0.0
1061	4	696	1266	RyRz	0.0
1062	4	716	1267	RyRz	0.0
1063	4	698	1272	RyRz	0.0
1064	4	718	1273	RyRz	0.0

GUSCI RETTANGOLARI		----- ----- ----- ----- num = 392			
Nome	Proprieta`	Nodo 1	Nodo 2	Nodo 3	Nodo 4
<u>Platee di spalla</u>					
1	3	105	100	101	106
2	3	106	101	102	107
3	3	107	102	103	108
4	3	108	103	104	109
5	3	110	105	106	111
6	3	111	106	107	112
7	3	112	107	108	113
8	3	113	108	109	114
9	3	115	110	111	116
10	3	116	111	112	117
11	3	117	112	113	118
12	3	118	113	114	119
13	3	120	115	116	121
14	3	121	116	117	122
15	3	122	117	118	123
16	3	123	118	119	124
17	3	130	125	126	131
18	3	131	126	127	132
19	3	132	127	128	133
20	3	133	128	129	134
21	3	135	130	131	136
22	3	136	131	132	137
23	3	137	132	133	138
24	3	133	134	139	138
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27	3	142	137	138	143
28	3	138	139	144	143
29	3	145	140	141	146
30	3	146	141	142	147
31	3	147	142	143	148
32	3	143	144	149	148
<u>Pulvi ni</u>					
101	1	205	200	201	206
102	1	206	201	202	207
103	1	207	202	203	208
104	1	208	203	204	209
105	1	205	206	211	210
106	1	206	207	212	211
107	1	207	208	213	212
108	1	208	209	214	213
109	2	215	210	211	216
110	2	216	211	212	217
111	2	217	212	213	218
112	2	218	213	214	219
113	2	220	215	216	221
114	2	221	216	217	222
115	2	222	217	218	223
116	2	223	218	219	224
117	1	220	221	226	225
118	1	221	222	227	226
119	1	222	223	228	227
120	1	223	224	229	228
121	1	225	226	231	230
122	1	226	227	232	231
123	1	227	228	233	232
124	1	228	229	234	233
125	1	240	235	236	241
126	1	241	236	237	242
127	1	242	237	238	243
128	1	243	238	239	244
129	1	240	241	246	245
130	1	241	242	247	246
131	1	242	243	248	247
132	1	243	244	249	248
133	2	250	245	246	251
134	2	251	246	247	252
135	2	252	247	248	253
136	2	253	248	249	254
137	2	255	250	251	256

138	2	256	251	252	257
139	2	257	252	253	258
140	2	258	253	254	259
141	1	255	256	261	260
142	1	256	257	262	261
143	1	257	258	263	262
144	1	258	259	264	263
145	1	260	261	266	265
146	1	261	262	267	266
147	1	262	263	268	267
148	1	263	264	269	268
149	1	275	270	271	276
150	1	276	271	272	277
151	1	277	272	273	278
152	1	278	273	274	279
153	1	275	276	281	280
154	1	276	277	282	281
155	1	277	278	283	282
156	1	278	279	284	283
157	2	285	280	281	286
158	2	286	281	282	287
159	2	287	282	283	288
160	2	288	283	284	289
161	2	290	285	286	291
162	2	291	286	287	292
163	2	292	287	288	293
164	2	293	288	289	294
165	1	290	291	296	295
166	1	291	292	297	296
167	1	292	293	298	297
168	1	293	294	299	298
169	1	295	296	301	300
170	1	296	297	302	301
171	1	297	298	303	302
172	1	298	299	304	303
173	1	310	305	306	311
174	1	311	306	307	312
175	1	312	307	308	313
176	1	313	308	309	314
177	1	310	311	316	315
178	1	311	312	317	316
179	1	312	313	318	317
180	1	313	314	319	318
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184	2	323	318	319	324
185	2	325	320	321	326
186	2	326	321	322	327
187	2	327	322	323	328
188	2	328	323	324	329
189	1	325	326	331	330
190	1	326	327	332	331
191	1	327	328	333	332
192	1	328	329	334	333
193	1	330	331	336	335
194	1	331	332	337	336
195	1	332	333	338	337
196	1	333	334	339	338
197	1	345	340	341	346
198	1	346	341	342	347
199	1	347	342	343	348
200	1	348	343	344	349
201	1	345	346	351	350
202	1	346	347	352	351
203	1	347	348	353	352
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205	2	355	350	351	356
206	2	356	351	352	357
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208	2	358	353	354	359
209	2	360	355	356	361
210	2	361	356	357	362
211	2	362	357	358	363
212	2	363	358	359	364
213	1	360	361	366	365
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215	1	362	363	368	367
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225	1	380	381	386	385
226	1	381	382	387	386
227	1	382	383	388	387
228	1	383	384	389	388
229	2	390	385	386	391
230	2	391	386	387	392
231	2	392	387	388	393
232	2	393	388	389	394
233	2	395	390	391	396
234	2	396	391	392	397
235	2	397	392	393	398
236	2	398	393	394	399

237	1	395	396	401	400
238	1	396	397	402	401
239	1	397	398	403	402
240	1	398	399	404	403
241	1	400	401	406	405
242	1	401	402	407	406
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244	1	403	404	409	408
245	1	415	410	411	416
246	1	416	411	412	417
247	1	417	412	413	418
248	1	418	413	414	419
249	1	415	416	421	420
250	1	416	417	422	421
251	1	417	418	423	422
252	1	418	419	424	423
253	2	425	420	421	426
254	2	426	421	422	427
255	2	427	422	423	428
256	2	428	423	424	429
257	2	430	425	426	431
258	2	431	426	427	432
259	2	432	427	428	433
260	2	433	428	429	434
261	1	430	431	436	435
262	1	431	432	437	436
263	1	432	433	438	437
264	1	433	434	439	438
265	1	435	436	441	440
266	1	436	437	442	441
267	1	437	438	443	442
268	1	438	439	444	443
269	1	450	445	446	451
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271	1	452	447	448	453
272	1	453	448	449	454
273	1	450	451	456	455
274	1	451	452	457	456
275	1	452	453	458	457
276	1	453	454	459	458
277	2	460	455	456	461
278	2	461	456	457	462
279	2	462	457	458	463
280	2	463	458	459	464
281	2	465	460	461	466
282	2	466	461	462	467
283	2	467	462	463	468
284	2	468	463	464	469
285	1	465	466	471	470
286	1	466	467	472	471
287	1	467	468	473	472
288	1	468	469	474	473
289	1	470	471	476	475
290	1	471	472	477	476
291	1	472	473	478	477
292	1	473	474	479	478
293	1	485	480	481	486
294	1	486	481	482	487
295	1	487	482	483	488
296	1	488	483	484	489
297	1	485	486	491	490
298	1	486	487	492	491
299	1	487	488	493	492
300	1	488	489	494	493
301	2	495	490	491	496
302	2	496	491	492	497
303	2	497	492	493	498
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305	2	500	495	496	501
306	2	501	496	497	502
307	2	502	497	498	503
308	2	503	498	499	504
309	1	500	501	506	505
310	1	501	502	507	506
311	1	502	503	508	507
312	1	503	504	509	508
313	1	505	506	511	510
314	1	506	507	512	511
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325	2	530	525	526	531
326	2	531	526	527	532
327	2	532	527	528	533
328	2	533	528	529	534
329	2	535	530	531	536
330	2	536	531	532	537
331	2	537	532	533	538
332	2	538	533	534	539
333	1	535	536	541	540
334	1	536	537	542	541
335	1	537	538	543	542

336	1	538	539	544	543
337	1	540	541	546	545
338	1	541	542	547	546
339	1	542	543	548	547
340	1	543	544	549	548
341	1	555	550	551	556
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343	1	557	552	553	558
344	1	558	553	554	559
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346	1	556	557	562	561
347	1	557	558	563	562
348	1	558	559	564	563
349	2	565	560	561	566
350	2	566	561	562	567
351	2	567	562	563	568
352	2	568	563	564	569
353	2	570	565	566	571
354	2	571	566	567	572
355	2	572	567	568	573
356	2	573	568	569	574
357	1	570	571	576	575
358	1	571	572	577	576
359	1	572	573	578	577
360	1	573	574	579	578
361	1	575	576	581	580
362	1	576	577	582	581
363	1	577	578	583	582
364	1	578	579	584	583
365	1	590	585	586	591
366	1	591	586	587	592
367	1	592	587	588	593
368	1	593	588	589	594
369	1	590	591	596	595
370	1	591	592	597	596
371	1	592	593	598	597
372	1	593	594	599	598
373	2	600	595	596	601
374	2	601	596	597	602
375	2	602	597	598	603
376	2	603	598	599	604
377	2	605	600	601	606
378	2	606	601	602	607
379	2	607	602	603	608
380	2	608	603	604	609
381	1	605	606	611	610
382	1	606	607	612	611
383	1	607	608	613	612
384	1	608	609	614	613
385	1	610	611	616	615
386	1	611	612	617	616
387	1	612	613	618	617
388	1	613	614	619	618
389	1	625	620	621	626
390	1	626	621	622	627
391	1	627	622	623	628
392	1	628	623	624	629
393	1	625	626	631	630
394	1	626	627	632	631
395	1	627	628	633	632
396	1	628	629	634	633
397	2	635	630	631	636
398	2	636	631	632	637
399	2	637	632	633	638
400	2	638	633	634	639
401	2	640	635	636	641
402	2	641	636	637	642
403	2	642	637	638	643
404	2	643	638	639	644
405	1	640	641	646	645
406	1	641	642	647	646
407	1	642	643	648	647
408	1	643	644	649	648
409	1	645	646	651	650
410	1	646	647	652	651
411	1	647	648	653	652
412	1	648	649	654	653
413	1	660	655	656	661
414	1	661	656	657	662
415	1	662	657	658	663
416	1	663	658	659	664
417	1	660	661	666	665
418	1	661	662	667	666
419	1	662	663	668	667
420	1	663	664	669	668
421	2	670	665	666	671
422	2	671	666	667	672
423	2	672	667	668	673
424	2	673	668	669	674
425	2	675	670	671	676
426	2	676	671	672	677
427	2	677	672	673	678
428	2	678	673	674	679
429	1	675	676	681	680
430	1	676	677	682	681
431	1	677	678	683	682
432	1	678	679	684	683
433	1	680	681	686	685
434	1	681	682	687	686

435	1	682	683	688	687
436	1	683	684	689	688
437	1	695	690	691	696
438	1	696	691	692	697
439	1	697	692	693	698
440	1	698	693	694	699
441	1	695	696	701	700
442	1	696	697	702	701
443	1	697	698	703	702
444	1	698	699	704	703
445	2	705	700	701	706
446	2	706	701	702	707
447	2	707	702	703	708
448	2	708	703	704	709
449	2	710	705	706	711
450	2	711	706	707	712
451	2	712	707	708	713
452	2	713	708	709	714
453	1	710	711	716	715
454	1	711	712	717	716
455	1	712	713	718	717
456	1	713	714	719	718
457	1	715	716	721	720
458	1	716	717	722	721
459	1	717	718	723	722
460	1	718	719	724	723

PROPRIETA` ASTE---		-----		-----		-----		-----		num =	6
Nome	Materiale	Base	Altezza	Area	Area tag.	Y	Area tag.	Z			
		Kw vertic.	Kw orizz.	J tors.	J fless.	Y	J fless.	Z			
1	2	40.00 0.000000	60.00 0.000000	2.40000E+03 7.51241E+05	2.00000E+03 3.20000E+05		2.00000E+03 7.20000E+05				Selle di testa
2	2	25.00 0.000000	70.00 0.000000	1.75000E+03 2.82661E+05	1.45833E+03 9.11458E+04		1.45833E+03 7.14583E+05				Selle intermedie
3	1	120.00 0.000000	120.00 0.000000	1.13097E+04 2.03575E+07	1.01788E+04 1.01788E+07		1.01788E+04 1.01788E+07				Pile
4	3	30.00 0.000000	30.00 0.000000	7.06858E+02 7.95216E+04	6.36172E+02 3.97608E+04		6.36172E+02 3.97608E+04				Appoggi
5	2	185.00 0.000000	190.00 0.000000	6.61100E+03 1.00000E+00	6.61100E+03 1.29900E+07		6.61100E+03 2.98345E+07				Trave a Z sinistra
6	2	185.00 0.000000	190.00 0.000000	6.61100E+03 1.00000E+00	6.61100E+03 1.29900E+07		6.61100E+03 2.98345E+07				Trave a Z destra

PROPRIETA` GUSCI--		-----		-----		-----		-----		num =	3
Nome	Materiale	Sp. membr.	Sp. piastra	Kw							
1	1	55.00	55.00	0.000000							Sbalzi laterali Pulvini
2	1	82.00	82.00	0.000000							Centro Pulvini
3	1	60.00	60.00	16.000000							Platee di Spalla

MATERIALI-----		-----		-----		-----		-----		num =	3
Nome	Mod. elast.	Coeff. nu	Mod. tang.	Peso spec.	Dil. te.						
1	2.20000E+04	1.50000E-01	8.80000E+03	2.50000E+01	1.00000E-05				Calcestruzzo R150		
2	2.85000E+04	1.50000E-01	1.14000E+04	2.50000E+01	1.00000E-05				Calcestruzzo R300		
3	2.10000E+05	3.00000E-01	8.50000E+04	7.85000E+01	1.00000E-05				Acciaio Appoggi e Carrelli		

VINCOLI-----		-----		-----		-----		-----		num =	65
Nodo	Rigi d. X	Rigi d. Y	Rigi d. Z	Rigi d. RX	Rigi d. RY	Rigi d. RZ					
Platee											
100	bloccato	bloccato	libero	libero	libero	libero					
101	bloccato	bloccato	libero	libero	libero	libero					
102	bloccato	bloccato	libero	libero	libero	libero					
103	bloccato	bloccato	libero	libero	libero	libero					
104	bloccato	bloccato	libero	libero	libero	libero					
105	bloccato	bloccato	libero	libero	libero	libero					
106	bloccato	bloccato	libero	libero	libero	libero					
107	bloccato	bloccato	libero	libero	libero	libero					
108	bloccato	bloccato	libero	libero	libero	libero					
109	bloccato	bloccato	libero	libero	libero	libero					
110	bloccato	bloccato	libero	libero	libero	libero					
111	bloccato	bloccato	libero	libero	libero	libero					
112	bloccato	bloccato	libero	libero	libero	libero					
113	bloccato	bloccato	libero	libero	libero	libero					
114	bloccato	bloccato	libero	libero	libero	libero					
115	bloccato	bloccato	libero	libero	libero	libero					
116	bloccato	bloccato	libero	libero	libero	libero					
117	bloccato	bloccato	libero	libero	libero	libero					
118	bloccato	bloccato	libero	libero	libero	libero					
119	bloccato	bloccato	libero	libero	libero	libero					
120	bloccato	bloccato	libero	libero	libero	libero					
121	bloccato	bloccato	libero	libero	libero	libero					
122	bloccato	bloccato	libero	libero	libero	libero					
123	bloccato	bloccato	libero	libero	libero	libero					
124	bloccato	bloccato	libero	libero	libero	libero					
125	bloccato	bloccato	libero	libero	libero	libero					
126	bloccato	bloccato	libero	libero	libero	libero					
127	bloccato	bloccato	libero	libero	libero	libero					
128	bloccato	bloccato	libero	libero	libero	libero					
129	bloccato	bloccato	libero	libero	libero	libero					
130	bloccato	bloccato	libero	libero	libero	libero					
131	bloccato	bloccato	libero	libero	libero	libero					
132	bloccato	bloccato	libero	libero	libero	libero					
133	bloccato	bloccato	libero	libero	libero	libero					
134	bloccato	bloccato	libero	libero	libero	libero					
135	bloccato	bloccato	libero	libero	libero	libero					
136	bloccato	bloccato	libero	libero	libero	libero					
137	bloccato	bloccato	libero	libero	libero	libero					
138	bloccato	bloccato	libero	libero	libero	libero					
139	bloccato	bloccato	libero	libero	libero	libero					
140	bloccato	bloccato	libero	libero	libero	libero					

141	bloccato	bloccato	libero	libero	libero	libero
142	bloccato	bloccato	libero	libero	libero	libero
143	bloccato	bloccato	libero	libero	libero	libero
144	bloccato	bloccato	libero	libero	libero	libero
145	bloccato	bloccato	libero	libero	libero	libero
146	bloccato	bloccato	libero	libero	libero	libero
147	bloccato	bloccato	libero	libero	libero	libero
148	bloccato	bloccato	libero	libero	libero	libero
149	bloccato	bloccato	libero	libero	libero	libero
Plinti						
15	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
14	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
2	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
3	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
4	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
5	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
6	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
7	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
8	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
9	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
10	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
11	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
12	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
13	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato
1	bloccato	bloccato	1.92000E+04	2.56000E+06	1.44000E+06	bloccato

CARICHI	ASTE	----- ----- ----- -----				num = 1063
Nome		Asta	Dir	Tip	RIF	Parametro 1 Parametro 2 Parametro 3 Parametro 4
1	P_Tubo_2	701	Z	FD	glo	-5.000
2	P_Tubo_3	702	Z	FD	glo	-6.700
3	P_Tubo_4	703	Z	FD	glo	-7.500
4	P_Tubo_3	704	Z	FD	glo	-6.700
5	P_Tubo_2	705	Z	FD	glo	-5.000
6	P_Tubo_2	706	Z	FD	glo	-5.000
7	P_Tubo_3	707	Z	FD	glo	-6.700
8	P_Tubo_4	708	Z	FD	glo	-7.500
9	P_Tubo_3	709	Z	FD	glo	-6.700
10	P_Tubo_2	710	Z	FD	glo	-5.000
11	P_Tubo_2	711	Z	FD	glo	-5.000
12	P_Tubo_3	712	Z	FD	glo	-6.700
13	P_Tubo_4	713	Z	FD	glo	-7.500
14	P_Tubo_3	714	Z	FD	glo	-6.700
15	P_Tubo_2	715	Z	FD	glo	-5.000
16	P_Tubo_2	716	Z	FD	glo	-5.000
17	P_Tubo_3	717	Z	FD	glo	-6.700
18	P_Tubo_4	718	Z	FD	glo	-7.500
19	P_Tubo_3	719	Z	FD	glo	-6.700
20	P_Tubo_2	720	Z	FD	glo	-5.000
21	P_Tubo_2	721	Z	FD	glo	-5.000
22	P_Tubo_3	722	Z	FD	glo	-6.700
23	P_Tubo_4	723	Z	FD	glo	-7.500
24	P_Tubo_3	724	Z	FD	glo	-6.700
25	P_Tubo_2	725	Z	FD	glo	-5.000
26	P_Tubo_2	726	Z	FD	glo	-5.000
27	P_Tubo_3	727	Z	FD	glo	-6.700
28	P_Tubo_4	728	Z	FD	glo	-7.500
29	P_Tubo_3	729	Z	FD	glo	-6.700
30	P_Tubo_2	730	Z	FD	glo	-5.000
31	P_Tubo_2	731	Z	FD	glo	-5.000
32	P_Tubo_3	732	Z	FD	glo	-6.700
33	P_Tubo_4	733	Z	FD	glo	-7.500
34	P_Tubo_3	734	Z	FD	glo	-6.700
35	P_Tubo_2	735	Z	FD	glo	-5.000
36	P_Tubo_2	736	Z	FD	glo	-5.000
37	P_Tubo_3	737	Z	FD	glo	-6.700
38	P_Tubo_4	738	Z	FD	glo	-7.500
39	P_Tubo_3	739	Z	FD	glo	-6.700
40	P_Tubo_2	740	Z	FD	glo	-5.000
41	P_Tubo_2	741	Z	FD	glo	-5.000
42	P_Tubo_3	742	Z	FD	glo	-6.700
43	P_Tubo_4	743	Z	FD	glo	-7.500
44	P_Tubo_3	744	Z	FD	glo	-6.700
45	P_Tubo_2	745	Z	FD	glo	-5.000
46	P_Tubo_2	746	Z	FD	glo	-5.000
47	P_Tubo_3	747	Z	FD	glo	-6.700
48	P_Tubo_4	748	Z	FD	glo	-7.500
49	P_Tubo_3	749	Z	FD	glo	-6.700
50	P_Tubo_2	750	Z	FD	glo	-5.000
51	P_Tubo_2	751	Z	FD	glo	-5.000
52	P_Tubo_3	752	Z	FD	glo	-6.700
53	P_Tubo_4	753	Z	FD	glo	-7.500
54	P_Tubo_3	754	Z	FD	glo	-6.700
55	P_Tubo_2	755	Z	FD	glo	-5.000
56	P_Tubo_2	756	Z	FD	glo	-5.000
57	P_Tubo_3	757	Z	FD	glo	-6.700
58	P_Tubo_4	758	Z	FD	glo	-7.500
59	P_Tubo_3	759	Z	FD	glo	-6.700
60	P_Tubo_2	760	Z	FD	glo	-5.000
61	P_Tubo_2	761	Z	FD	glo	-5.000
62	P_Tubo_3	762	Z	FD	glo	-6.700
63	P_Tubo_4	763	Z	FD	glo	-7.500
64	P_Tubo_3	764	Z	FD	glo	-6.700
65	P_Tubo_2	765	Z	FD	glo	-5.000
66	P_Tubo_2	766	Z	FD	glo	-5.000
67	P_Tubo_3	767	Z	FD	glo	-6.700
68	P_Tubo_4	768	Z	FD	glo	-7.500
69	P_Tubo_3	769	Z	FD	glo	-6.700
70	P_Tubo_2	770	Z	FD	glo	-5.000
71	P_Tubo_2	771	Z	FD	glo	-5.000

72	P_Tubo_3	772	Z	FD	o	-6.700
73	P_Tubo_4	773	Z	FD	o	-7.500
74	P_Tubo_3	774	Z	FD	o	-6.700
75	P_Tubo_2	775	Z	FD	o	-5.000
76	P_Tubo_2	776	Z	FD	o	-5.000
77	P_Tubo_3	777	Z	FD	o	-6.700
78	P_Tubo_4	778	Z	FD	o	-7.500
79	P_Tubo_3	779	Z	FD	o	-6.700
80	P_Tubo_2	780	Z	FD	o	-5.000
81	P_Tubo_1	501	Z	FD	o	-1.300
82	P_Tubo_1	502	Z	FD	o	-1.300
83	P_Tubo_1	503	Z	FD	o	-1.300
84	P_Tubo_1	504	Z	FD	o	-1.300
85	P_Tubo_1	505	Z	FD	o	-1.300
86	P_Tubo_1	506	Z	FD	o	-1.300
87	P_Tubo_1	507	Z	FD	o	-1.300
88	P_Tubo_1	508	Z	FD	o	-1.300
89	P_Tubo_1	509	Z	FD	o	-1.300
90	P_Tubo_1	510	Z	FD	o	-1.300
91	P_Tubo_1	511	Z	FD	o	-1.300
92	P_Tubo_1	512	Z	FD	o	-1.300
93	P_Tubo_1	513	Z	FD	o	-1.300
94	P_Tubo_1	514	Z	FD	o	-1.300
95	P_Tubo_1	515	Z	FD	o	-1.300
96	P_Tubo_1	516	Z	FD	o	-1.300
97	P_Tubo_1	517	Z	FD	o	-1.300
98	P_Tubo_1	518	Z	FD	o	-1.300
99	P_Tubo_1	519	Z	FD	o	-1.300
100	P_Tubo_1	520	Z	FD	o	-1.300
101	P_Tubo_1	521	Z	FD	o	-1.300
102	P_Tubo_1	522	Z	FD	o	-1.300
103	P_Tubo_1	523	Z	FD	o	-1.300
104	P_Tubo_1	524	Z	FD	o	-1.300
105	P_Tubo_1	525	Z	FD	o	-1.300
106	P_Tubo_1	526	Z	FD	o	-1.300
107	P_Tubo_1	527	Z	FD	o	-1.300
108	P_Tubo_1	528	Z	FD	o	-1.300
109	P_Tubo_1	529	Z	FD	o	-1.300
110	P_Tubo_1	530	Z	FD	o	-1.300
111	P_Tubo_1	531	Z	FD	o	-1.300
112	P_Tubo_1	532	Z	FD	o	-1.300
113	P_H20_2	701	Z	FD	o	-39.100
114	P_H20_3	702	Z	FD	o	-52.000
115	P_H20_4	703	Z	FD	o	-58.500
116	P_H20_3	704	Z	FD	o	-52.000
117	P_H20_2	705	Z	FD	o	-39.100
118	P_H20_2	706	Z	FD	o	-39.100
119	P_H20_3	707	Z	FD	o	-52.000
120	P_H20_4	708	Z	FD	o	-58.500
121	P_H20_3	709	Z	FD	o	-52.000
122	P_H20_2	710	Z	FD	o	-39.100
123	P_H20_2	711	Z	FD	o	-39.100
124	P_H20_3	712	Z	FD	o	-52.000
125	P_H20_4	713	Z	FD	o	-58.500
126	P_H20_3	714	Z	FD	o	-52.000
127	P_H20_2	715	Z	FD	o	-39.100
128	P_H20_2	716	Z	FD	o	-39.100
129	P_H20_3	717	Z	FD	o	-52.000
130	P_H20_4	718	Z	FD	o	-58.500
131	P_H20_3	719	Z	FD	o	-52.000
132	P_H20_2	720	Z	FD	o	-39.100
133	P_H20_2	721	Z	FD	o	-39.100
134	P_H20_3	722	Z	FD	o	-52.000
135	P_H20_4	723	Z	FD	o	-58.500
136	P_H20_3	724	Z	FD	o	-52.000
137	P_H20_2	725	Z	FD	o	-39.100
138	P_H20_2	726	Z	FD	o	-39.100
139	P_H20_3	727	Z	FD	o	-52.000
140	P_H20_4	728	Z	FD	o	-58.500
141	P_H20_3	729	Z	FD	o	-52.000
142	P_H20_2	730	Z	FD	o	-39.100
143	P_H20_2	731	Z	FD	o	-39.100
144	P_H20_3	732	Z	FD	o	-52.000
145	P_H20_4	733	Z	FD	o	-58.500
146	P_H20_3	734	Z	FD	o	-52.000
147	P_H20_2	735	Z	FD	o	-39.100
148	P_H20_2	736	Z	FD	o	-39.100
149	P_H20_3	737	Z	FD	o	-52.000
150	P_H20_4	738	Z	FD	o	-58.500
151	P_H20_3	739	Z	FD	o	-52.000
152	P_H20_2	740	Z	FD	o	-39.100
153	P_H20_2	741	Z	FD	o	-39.100
154	P_H20_3	742	Z	FD	o	-52.000
155	P_H20_4	743	Z	FD	o	-58.500
156	P_H20_3	744	Z	FD	o	-52.000
157	P_H20_2	745	Z	FD	o	-39.100
158	P_H20_2	746	Z	FD	o	-39.100
159	P_H20_3	747	Z	FD	o	-52.000
160	P_H20_4	748	Z	FD	o	-58.500
161	P_H20_3	749	Z	FD	o	-52.000
162	P_H20_2	750	Z	FD	o	-39.100
163	P_H20_2	751	Z	FD	o	-39.100
164	P_H20_3	752	Z	FD	o	-52.000
165	P_H20_4	753	Z	FD	o	-58.500
166	P_H20_3	754	Z	FD	o	-52.000
167	P_H20_2	755	Z	FD	o	-39.100
168	P_H20_2	756	Z	FD	o	-39.100
169	P_H20_3	757	Z	FD	o	-52.000
170	P_H20_4	758	Z	FD	o	-58.500

171	P_H20_3	759	Z	FD	o	- 52. 000
172	P_H20_2	760	Z	FD	o	- 39. 100
173	P_H20_2	761	Z	FD	o	- 39. 100
174	P_H20_3	762	Z	FD	o	- 52. 000
175	P_H20_4	763	Z	FD	o	- 58. 500
176	P_H20_3	764	Z	FD	o	- 52. 000
177	P_H20_2	765	Z	FD	o	- 39. 100
178	P_H20_2	766	Z	FD	o	- 39. 100
179	P_H20_3	767	Z	FD	o	- 52. 000
180	P_H20_4	768	Z	FD	o	- 58. 500
181	P_H20_3	769	Z	FD	o	- 52. 000
182	P_H20_2	770	Z	FD	o	- 39. 100
183	P_H20_2	771	Z	FD	o	- 39. 100
184	P_H20_3	772	Z	FD	o	- 52. 000
185	P_H20_4	773	Z	FD	o	- 58. 500
186	P_H20_3	774	Z	FD	o	- 52. 000
187	P_H20_2	775	Z	FD	o	- 39. 100
188	P_H20_2	776	Z	FD	o	- 39. 100
189	P_H20_3	777	Z	FD	o	- 52. 000
190	P_H20_4	778	Z	FD	o	- 58. 500
191	P_H20_3	779	Z	FD	o	- 52. 000
192	P_H20_2	780	Z	FD	o	- 39. 100
193	P_H20_1	501	Z	FD	o	- 10. 000
194	P_H20_1	502	Z	FD	o	- 10. 000
195	P_H20_1	503	Z	FD	o	- 10. 000
196	P_H20_1	504	Z	FD	o	- 10. 000
197	P_H20_1	505	Z	FD	o	- 10. 000
198	P_H20_1	506	Z	FD	o	- 10. 000
199	P_H20_1	507	Z	FD	o	- 10. 000
200	P_H20_1	508	Z	FD	o	- 10. 000
201	P_H20_1	509	Z	FD	o	- 10. 000
202	P_H20_1	510	Z	FD	o	- 10. 000
203	P_H20_1	511	Z	FD	o	- 10. 000
204	P_H20_1	512	Z	FD	o	- 10. 000
205	P_H20_1	513	Z	FD	o	- 10. 000
206	P_H20_1	514	Z	FD	o	- 10. 000
207	P_H20_1	515	Z	FD	o	- 10. 000
208	P_H20_1	516	Z	FD	o	- 10. 000
209	P_H20_1	517	Z	FD	o	- 10. 000
210	P_H20_1	518	Z	FD	o	- 10. 000
211	P_H20_1	519	Z	FD	o	- 10. 000
212	P_H20_1	520	Z	FD	o	- 10. 000
213	P_H20_1	521	Z	FD	o	- 10. 000
214	P_H20_1	522	Z	FD	o	- 10. 000
215	P_H20_1	523	Z	FD	o	- 10. 000
216	P_H20_1	524	Z	FD	o	- 10. 000
217	P_H20_1	525	Z	FD	o	- 10. 000
218	P_H20_1	526	Z	FD	o	- 10. 000
219	P_H20_1	527	Z	FD	o	- 10. 000
220	P_H20_1	528	Z	FD	o	- 10. 000
221	P_H20_1	529	Z	FD	o	- 10. 000
222	P_H20_1	530	Z	FD	o	- 10. 000
223	P_H20_1	531	Z	FD	o	- 10. 000
224	P_H20_1	532	Z	FD	o	- 10. 000
225	VentoY	101	Y	FD	o	4. 500
226	VentoY	103	Y	FD	o	4. 500
227	VentoY	105	Y	FD	o	4. 500
228	VentoY	107	Y	FD	o	4. 500
229	VentoY	109	Y	FD	o	4. 500
230	VentoY	111	Y	FD	o	4. 500
231	VentoY	113	Y	FD	o	4. 500
232	VentoY	115	Y	FD	o	4. 500
233	VentoY	117	Y	FD	o	4. 500
234	VentoY	119	Y	FD	o	4. 500
235	VentoY	121	Y	FD	o	4. 500
236	VentoY	123	Y	FD	o	4. 500
237	VentoY	125	Y	FD	o	4. 500
238	VentoY	127	Y	FD	o	4. 500
239	VentoY	129	Y	FD	o	4. 500
240	VentoY	131	Y	FD	o	4. 500
241	VentoY	133	Y	FD	o	4. 500
242	VentoY	135	Y	FD	o	4. 500
243	VentoY	137	Y	FD	o	4. 500
244	VentoY	139	Y	FD	o	4. 500
245	VentoY	141	Y	FD	o	4. 500
246	VentoY	143	Y	FD	o	4. 500
247	VentoY	145	Y	FD	o	4. 500
248	VentoY	147	Y	FD	o	4. 500
249	VentoY	149	Y	FD	o	4. 500
250	VentoY	151	Y	FD	o	4. 500
251	VentoY	153	Y	FD	o	4. 500
252	VentoY	155	Y	FD	o	4. 500
253	VentoY	157	Y	FD	o	4. 500
254	VentoY	159	Y	FD	o	4. 500
255	VentoY	161	Y	FD	o	4. 500
256	VentoY	163	Y	FD	o	4. 500
257	VentoY	165	Y	FD	o	4. 500
258	VentoY	167	Y	FD	o	4. 500
259	VentoY	169	Y	FD	o	4. 500
260	VentoY	171	Y	FD	o	4. 500
261	VentoY	173	Y	FD	o	4. 500
262	VentoY	175	Y	FD	o	4. 500
263	VentoY	177	Y	FD	o	4. 500
264	VentoY	179	Y	FD	o	4. 500
265	VentoY	181	Y	FD	o	4. 500
266	VentoY	183	Y	FD	o	4. 500
267	VentoY	185	Y	FD	o	4. 500
268	VentoY	187	Y	FD	o	4. 500
269	VentoY	189	Y	FD	o	4. 500

270	VentoY	191	Y	FD	4.500
271	VentoY	193	Y	FD	4.500
272	VentoY	195	Y	FD	4.500
273	VentoY	197	Y	FD	4.500
274	VentoY	199	Y	FD	4.500
275	VentoY	201	Y	FD	4.500
276	VentoY	203	Y	FD	4.500
277	VentoY	205	Y	FD	4.500
278	VentoY	207	Y	FD	4.500
279	VentoY	209	Y	FD	4.500
280	VentoY	211	Y	FD	4.500
281	VentoY	213	Y	FD	4.500
282	VentoY	215	Y	FD	4.500
283	VentoY	217	Y	FD	4.500
284	VentoY	219	Y	FD	4.500
285	VentoY	221	Y	FD	4.500
286	VentoY	223	Y	FD	4.500
287	VentoY	225	Y	FD	4.500
288	VentoY	227	Y	FD	4.500
289	VentoY	229	Y	FD	4.500
290	VentoY	231	Y	FD	4.500
291	VentoY	233	Y	FD	4.500
292	VentoY	235	Y	FD	4.500
293	VentoY	237	Y	FD	4.500
294	VentoY	239	Y	FD	4.500
295	VentoY	241	Y	FD	4.500
296	VentoY	243	Y	FD	4.500
297	VentoY	245	Y	FD	4.500
298	VentoY	247	Y	FD	4.500
299	VentoY	249	Y	FD	4.500
300	VentoY	251	Y	FD	4.500
301	VentoY	253	Y	FD	4.500
302	VentoY	255	Y	FD	4.500
303	VentoY	257	Y	FD	4.500
304	VentoY	259	Y	FD	4.500
305	VentoY	261	Y	FD	4.500
306	VentoY	263	Y	FD	4.500
307	VentoY	265	Y	FD	4.500
308	VentoY	267	Y	FD	4.500
309	VentoY	269	Y	FD	4.500
310	VentoY	271	Y	FD	4.500
311	VentoY	273	Y	FD	4.500
312	VentoY	275	Y	FD	4.500
313	VentoY	277	Y	FD	4.500
314	VentoY	279	Y	FD	4.500
315	VentoY	281	Y	FD	4.500
316	VentoY	283	Y	FD	4.500
317	VentoY	285	Y	FD	4.500
318	VentoY	287	Y	FD	4.500
319	VentoY	289	Y	FD	4.500
320	VentoY	291	Y	FD	4.500
321	VentoY	293	Y	FD	4.500
322	VentoY	295	Y	FD	4.500
323	VentoY	297	Y	FD	4.500
324	VentoY	299	Y	FD	4.500
325	VentoY	301	Y	FD	4.500
326	VentoY	303	Y	FD	4.500
327	VentoY	305	Y	FD	4.500
328	VentoY	307	Y	FD	4.500
329	VentoY	309	Y	FD	4.500
330	VentoY	311	Y	FD	4.500
331	VentoY	313	Y	FD	4.500
332	VentoY	315	Y	FD	4.500
333	VentoY	317	Y	FD	4.500
334	VentoY	319	Y	FD	4.500
335	VentoY	321	Y	FD	4.500
336	VentoY	323	Y	FD	4.500
337	VentoY	325	Y	FD	4.500
338	VentoY	327	Y	FD	4.500
339	VentoY	329	Y	FD	4.500
340	VentoY	331	Y	FD	4.500
341	VentoY	333	Y	FD	4.500
342	VentoY	335	Y	FD	4.500
343	VentoY	337	Y	FD	4.500
344	VentoY	339	Y	FD	4.500
345	VentoY	341	Y	FD	4.500
346	VentoY	343	Y	FD	4.500
347	VentoY	345	Y	FD	4.500
348	VentoY	347	Y	FD	4.500
349	VentoY	349	Y	FD	4.500
350	VentoY	351	Y	FD	4.500
351	VentoY	353	Y	FD	4.500
352	VentoY	355	Y	FD	4.500
353	Manutenzi one	101	Z	FD	-0.500
354	Manutenzi one	102	Z	FD	-0.500
355	Manutenzi one	103	Z	FD	-0.500
356	Manutenzi one	104	Z	FD	-0.500
357	Manutenzi one	105	Z	FD	-0.500
358	Manutenzi one	106	Z	FD	-0.500
359	Manutenzi one	107	Z	FD	-0.500
360	Manutenzi one	108	Z	FD	-0.500
361	Manutenzi one	109	Z	FD	-0.500
362	Manutenzi one	110	Z	FD	-0.500
363	Manutenzi one	111	Z	FD	-0.500
364	Manutenzi one	112	Z	FD	-0.500
365	Manutenzi one	113	Z	FD	-0.500
366	Manutenzi one	114	Z	FD	-0.500
367	Manutenzi one	115	Z	FD	-0.500
368	Manutenzi one	116	Z	FD	-0.500

468	Manutenzi one	216	Z	FD	gl o	-0.500	
469	Manutenzi one	217	Z	FD	gl o	-0.500	
470	Manutenzi one	218	Z	FD	gl o	-0.500	
471	Manutenzi one	219	Z	FD	gl o	-0.500	
472	Paranco	219	Z	FC	gl o	-6.000	255.000
473	Manutenzi one	220	Z	FD	gl o	-0.500	
474	Paranco	220	Z	FC	gl o	-6.000	255.000
475	Manutenzi one	221	Z	FD	gl o	-0.500	
476	Paranco	221	Z	FC	gl o	-6.000	255.000
477	Manutenzi one	222	Z	FD	gl o	-0.500	
478	Paranco	222	Z	FC	gl o	-6.000	255.000
479	Manutenzi one	223	Z	FD	gl o	-0.500	
480	Manutenzi one	224	Z	FD	gl o	-0.500	
481	Manutenzi one	225	Z	FD	gl o	-0.500	
482	Manutenzi one	226	Z	FD	gl o	-0.500	
483	Manutenzi one	227	Z	FD	gl o	-0.500	
484	Manutenzi one	228	Z	FD	gl o	-0.500	
485	Manutenzi one	229	Z	FD	gl o	-0.500	
486	Manutenzi one	230	Z	FD	gl o	-0.500	
487	Manutenzi one	231	Z	FD	gl o	-0.500	
488	Manutenzi one	232	Z	FD	gl o	-0.500	
489	Manutenzi one	233	Z	FD	gl o	-0.500	
490	Manutenzi one	234	Z	FD	gl o	-0.500	
491	Manutenzi one	235	Z	FD	gl o	-0.500	
492	Paranco	235	Z	FC	gl o	-6.000	255.000
493	Manutenzi one	236	Z	FD	gl o	-0.500	
494	Paranco	236	Z	FC	gl o	-6.000	255.000
495	Manutenzi one	237	Z	FD	gl o	-0.500	
496	Paranco	237	Z	FC	gl o	-6.000	255.000
497	Manutenzi one	238	Z	FD	gl o	-0.500	
498	Paranco	238	Z	FC	gl o	-6.000	255.000
499	Manutenzi one	239	Z	FD	gl o	-0.500	
500	Manutenzi one	240	Z	FD	gl o	-0.500	
501	Manutenzi one	241	Z	FD	gl o	-0.500	
502	Manutenzi one	242	Z	FD	gl o	-0.500	
503	Manutenzi one	243	Z	FD	gl o	-0.500	
504	Manutenzi one	244	Z	FD	gl o	-0.500	
505	Manutenzi one	245	Z	FD	gl o	-0.500	
506	Manutenzi one	246	Z	FD	gl o	-0.500	
507	Manutenzi one	247	Z	FD	gl o	-0.500	
508	Manutenzi one	248	Z	FD	gl o	-0.500	
509	Manutenzi one	249	Z	FD	gl o	-0.500	
510	Manutenzi one	250	Z	FD	gl o	-0.500	
511	Manutenzi one	251	Z	FD	gl o	-0.500	
512	Manutenzi one	252	Z	FD	gl o	-0.500	
513	Manutenzi one	253	Z	FD	gl o	-0.500	
514	Manutenzi one	254	Z	FD	gl o	-0.500	
515	Manutenzi one	255	Z	FD	gl o	-0.500	
516	Manutenzi one	256	Z	FD	gl o	-0.500	
517	Manutenzi one	257	Z	FD	gl o	-0.500	
518	Manutenzi one	258	Z	FD	gl o	-0.500	
519	Manutenzi one	259	Z	FD	gl o	-0.500	
520	Manutenzi one	260	Z	FD	gl o	-0.500	
521	Manutenzi one	261	Z	FD	gl o	-0.500	
522	Manutenzi one	262	Z	FD	gl o	-0.500	
523	Manutenzi one	263	Z	FD	gl o	-0.500	
524	Manutenzi one	264	Z	FD	gl o	-0.500	
525	Manutenzi one	265	Z	FD	gl o	-0.500	
526	Manutenzi one	266	Z	FD	gl o	-0.500	
527	Manutenzi one	267	Z	FD	gl o	-0.500	
528	Manutenzi one	268	Z	FD	gl o	-0.500	
529	Manutenzi one	269	Z	FD	gl o	-0.500	
530	Manutenzi one	270	Z	FD	gl o	-0.500	
531	Manutenzi one	271	Z	FD	gl o	-0.500	
532	Manutenzi one	272	Z	FD	gl o	-0.500	
533	Manutenzi one	273	Z	FD	gl o	-0.500	
534	Manutenzi one	274	Z	FD	gl o	-0.500	
535	Manutenzi one	275	Z	FD	gl o	-0.500	
536	Manutenzi one	276	Z	FD	gl o	-0.500	
537	Manutenzi one	277	Z	FD	gl o	-0.500	
538	Manutenzi one	278	Z	FD	gl o	-0.500	
539	Manutenzi one	279	Z	FD	gl o	-0.500	
540	Manutenzi one	280	Z	FD	gl o	-0.500	
541	Manutenzi one	281	Z	FD	gl o	-0.500	
542	Manutenzi one	282	Z	FD	gl o	-0.500	
543	Manutenzi one	283	Z	FD	gl o	-0.500	
544	Manutenzi one	284	Z	FD	gl o	-0.500	
545	Manutenzi one	285	Z	FD	gl o	-0.500	
546	Manutenzi one	286	Z	FD	gl o	-0.500	
547	Manutenzi one	287	Z	FD	gl o	-0.500	
548	Manutenzi one	288	Z	FD	gl o	-0.500	
549	Manutenzi one	289	Z	FD	gl o	-0.500	
550	Manutenzi one	290	Z	FD	gl o	-0.500	
551	Manutenzi one	291	Z	FD	gl o	-0.500	
552	Manutenzi one	292	Z	FD	gl o	-0.500	
553	Manutenzi one	293	Z	FD	gl o	-0.500	
554	Manutenzi one	294	Z	FD	gl o	-0.500	
555	Manutenzi one	295	Z	FD	gl o	-0.500	
556	Manutenzi one	296	Z	FD	gl o	-0.500	
557	Manutenzi one	297	Z	FD	gl o	-0.500	
558	Manutenzi one	298	Z	FD	gl o	-0.500	
559	Manutenzi one	299	Z	FD	gl o	-0.500	
560	Manutenzi one	300	Z	FD	gl o	-0.500	
561	Manutenzi one	301	Z	FD	gl o	-0.500	
562	Manutenzi one	302	Z	FD	gl o	-0.500	
563	Manutenzi one	303	Z	FD	gl o	-0.500	
564	Manutenzi one	304	Z	FD	gl o	-0.500	
565	Manutenzi one	305	Z	FD	gl o	-0.500	
566	Manutenzi one	306	Z	FD	gl o	-0.500	

567	Manutenzi one	307	Z	FD	ggl o	-0.500
568	Manutenzi one	308	Z	FD	ggl o	-0.500
569	Manutenzi one	309	Z	FD	ggl o	-0.500
570	Manutenzi one	310	Z	FD	ggl o	-0.500
571	Manutenzi one	311	Z	FD	ggl o	-0.500
572	Manutenzi one	312	Z	FD	ggl o	-0.500
573	Manutenzi one	313	Z	FD	ggl o	-0.500
574	Manutenzi one	314	Z	FD	ggl o	-0.500
575	Manutenzi one	315	Z	FD	ggl o	-0.500
576	Manutenzi one	316	Z	FD	ggl o	-0.500
577	Manutenzi one	317	Z	FD	ggl o	-0.500
578	Manutenzi one	318	Z	FD	ggl o	-0.500
579	Manutenzi one	319	Z	FD	ggl o	-0.500
580	Manutenzi one	320	Z	FD	ggl o	-0.500
581	Manutenzi one	321	Z	FD	ggl o	-0.500
582	Manutenzi one	322	Z	FD	ggl o	-0.500
583	Manutenzi one	323	Z	FD	ggl o	-0.500
584	Manutenzi one	324	Z	FD	ggl o	-0.500
585	Manutenzi one	325	Z	FD	ggl o	-0.500
586	Manutenzi one	326	Z	FD	ggl o	-0.500
587	Manutenzi one	327	Z	FD	ggl o	-0.500
588	Manutenzi one	328	Z	FD	ggl o	-0.500
589	Manutenzi one	329	Z	FD	ggl o	-0.500
590	Manutenzi one	330	Z	FD	ggl o	-0.500
591	Manutenzi one	331	Z	FD	ggl o	-0.500
592	Manutenzi one	332	Z	FD	ggl o	-0.500
593	Manutenzi one	333	Z	FD	ggl o	-0.500
594	Manutenzi one	334	Z	FD	ggl o	-0.500
595	Manutenzi one	335	Z	FD	ggl o	-0.500
596	Manutenzi one	336	Z	FD	ggl o	-0.500
597	Manutenzi one	337	Z	FD	ggl o	-0.500
598	Manutenzi one	338	Z	FD	ggl o	-0.500
599	Manutenzi one	339	Z	FD	ggl o	-0.500
600	Manutenzi one	340	Z	FD	ggl o	-0.500
601	Manutenzi one	341	Z	FD	ggl o	-0.500
602	Manutenzi one	342	Z	FD	ggl o	-0.500
603	Manutenzi one	343	Z	FD	ggl o	-0.500
604	Manutenzi one	344	Z	FD	ggl o	-0.500
605	Manutenzi one	345	Z	FD	ggl o	-0.500
606	Manutenzi one	346	Z	FD	ggl o	-0.500
607	Manutenzi one	347	Z	FD	ggl o	-0.500
608	Manutenzi one	348	Z	FD	ggl o	-0.500
609	Manutenzi one	349	Z	FD	ggl o	-0.500
610	Manutenzi one	350	Z	FD	ggl o	-0.500
611	Manutenzi one	351	Z	FD	ggl o	-0.500
612	Manutenzi one	352	Z	FD	ggl o	-0.500
613	Manutenzi one	353	Z	FD	ggl o	-0.500
614	Manutenzi one	354	Z	FD	ggl o	-0.500
615	Manutenzi one	355	Z	FD	ggl o	-0.500
616	Manutenzi one	356	Z	FD	ggl o	-0.500

PESI PROPRI ASTE- |-----|-----|-----|-----|-----|
Cond. Nome Carichi Aste
1 617-1063 1-15, 101-356, 501-532, 701-780, 1001-1064

PESI PROPRI GUSCI- |-----|-----|-----|-----|-----|
Cond. Nome Carichi Gusci
1 1064-1455 1-32, 101-460

CONDIZIONI DI CARICO-----|-----|-----|-----| num = 5
Nome
1 Peso_Proprio_Str N. carichi: 839
Lista carichi: 617-1455
2 Peso_Tubazi one N. carichi: 112
Lista carichi: 1-112
3 Acqua N. carichi: 112
Lista carichi: 113-224
4 Azione_Vento N. carichi: 128
Lista carichi: 225-352
5 Manutenzi one N. carichi: 264
Lista carichi: 353-616

RISULTANTI DEI CARICHI (punto di applicazione nell'origine degli assi):

cond.	FX	FY	FZ	MX	MY	MZ
1	0.000000E+00	0.000000E+00	-1.969613E+04	0.000000E+00	4.044396E+06	0.000000E+00
2	0.000000E+00	0.000000E+00	-1.631584E+03	0.000000E+00	3.345400E+05	0.000000E+00
3	0.000000E+00	0.000000E+00	-1.269713E+04	0.000000E+00	2.603420E+06	0.000000E+00
4	0.000000E+00	1.827361E+03	0.000000E+00	-1.012358E+03	0.000000E+00	3.746821E+05
5	0.000000E+00	0.000000E+00	-4.540802E+02	0.000000E+00	9.310460E+04	0.000000E+00
coord.				X	Y	Z
1				205.339	0.000	0.293
2				205.040	0.000	0.554
3				205.040	0.000	0.554
4				205.040	-1.522	0.554
5				205.040	0.000	0.554

DESCRIZIONE CASI DI CARICO:

NOME	DESCRIZIONE	VERIFICA	TIPO	CONDIZ. INSERITE			CASI INSERITI	
				Num.	Coeff.	Segno	Num.	Coeff.
1	SLU	S. L. U.	sonma	1	1.300	+		
				2	1.500	+		
				3	1.500	+		
				5	1.500	+		
2	SLU VENTOY	S. L. U.	sonma	1	1.300	+		
				2	1.500	+		
				3	1.500	+		
				4	1.500	±		
5	1.500	+						
3	Rara	Rara	sonma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				5	1.000	+		
4	Rara VentoY	Rara	sonma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	±		
5	1.000	+						
5	Frequente	Freq.	sonma	1	1.000	+		
				2	1.000	+		
				3	0.900	+		
				5	0.300	+		
6	Quasi Perm	Quasi Perm.	sonma	1	1.000	+		
				2	1.000	+		
				3	0.750	+		
7	SLUGeo	SLU_GEO	sonma	1	1.000	+		
				2	1.300	+		
				3	1.300	+		
				5	1.300	+		
8	SLUEqu	SLU_EQU	sonma	1	1.000	+		
				2	1.500	+		
				3	1.500	+		
				5	1.500	+		

SPOSTAMENTI NODALI :

FILE: defoc001.bin							
Caso di carico: 1 - SLU (1.3xC1 + 1.5xC2 + 1.5xC3 + 1.5xC5)							
Punto	Sest.	Sx (cm)	Sy (cm)	Sz (cm)	Rx (rad)	Ry (rad)	Rz (rad)
1	1	1.066E-30	-5.892E-31	-1.509E-01	-3.576E-16	9.025E-16	0.000E+00
2	1	2.021E-31	-5.891E-30	-1.546E-01	8.662E-16	1.633E-08	0.000E+00
3	1	-6.574E-30	-4.053E-30	-1.545E-01	-9.177E-17	5.865E-16	0.000E+00
4	1	2.366E-30	1.160E-30	-1.552E-01	5.003E-16	1.633E-08	0.000E+00
5	1	-4.174E-30	3.468E-30	-1.558E-01	-6.624E-19	9.196E-17	0.000E+00
6	1	-4.157E-30	7.778E-30	-1.543E-01	-8.440E-18	1.633E-08	0.000E+00
7	1	1.784E-29	1.000E-29	-1.560E-01	-3.601E-16	1.019E-05	0.000E+00
8	1	-3.299E-30	4.203E-30	-1.573E-01	3.630E-16	1.633E-08	0.000E+00
9	1	-2.414E-29	-4.456E-30	-1.565E-01	6.300E-16	-1.019E-05	0.000E+00
10	1	1.972E-30	-3.518E-30	-1.557E-01	-3.932E-16	1.633E-08	0.000E+00
11	1	-1.214E-30	-9.407E-31	-1.542E-01	2.613E-16	-4.660E-16	0.000E+00
12	1	-7.016E-30	-1.346E-30	-1.560E-01	2.593E-16	1.633E-08	0.000E+00
13	1	-5.723E-31	-6.810E-32	-1.551E-01	1.309E-16	4.265E-16	0.000E+00
14	1	3.422E-30	9.753E-30	-1.546E-01	1.053E-16	1.633E-08	0.000E+00
15	1	2.542E-30	-5.828E-31	-1.526E-01	1.067E-15	-4.274E-16	0.000E+00
100	1	-2.489E-58	-4.326E-59	5.456E-02	-4.743E-05	8.741E-04	0.000E+00
101	1	-3.301E-45	-1.967E-45	-1.114E-02	-6.791E-05	8.910E-04	0.000E+00
102	1	-2.484E-32	-3.216E-32	-7.958E-02	-1.079E-04	9.535E-04	0.000E+00
103	1	-3.593E-43	9.536E-34	-1.595E-01	-1.438E-04	1.003E-03	0.000E+00
104	1	2.484E-32	-4.619E-32	-1.886E-01	-1.486E-04	1.041E-03	0.000E+00
105	1	7.171E-58	9.916E-59	4.969E-02	-1.630E-05	8.859E-04	0.000E+00
106	1	1.805E-45	-2.628E-45	-1.734E-02	-1.721E-05	9.175E-04	0.000E+00
107	1	6.413E-43	-5.963E-32	-8.881E-02	-1.567E-05	1.006E-03	0.000E+00
108	1	4.182E-30	-1.280E-18	-1.742E-01	-1.595E-06	1.065E-03	0.000E+00
109	1	2.125E-42	-2.538E-31	-2.037E-01	-8.458E-07	1.015E-03	0.000E+00
110	1	4.788E-49	-1.058E-49	4.950E-02	4.220E-19	8.731E-04	0.000E+00
111	1	1.176E-44	6.950E-49	-1.635E-02	-2.631E-17	8.857E-04	0.000E+00
112	1	4.968E-32	1.917E-44	-8.466E-02	-5.708E-17	9.337E-04	0.000E+00
113	1	-6.038E-43	-9.076E-45	-1.635E-01	-1.067E-16	9.770E-04	0.000E+00
114	1	-4.968E-32	2.799E-44	-1.922E-01	-1.275E-16	1.032E-03	0.000E+00
115	1	-2.102E-35	1.131E-35	4.969E-02	1.630E-05	8.859E-04	0.000E+00
116	1	1.805E-45	2.628E-45	-1.734E-02	1.721E-05	9.175E-04	0.000E+00
117	1	5.190E-43	5.963E-32	-8.881E-02	1.567E-05	1.006E-03	0.000E+00
118	1	3.386E-30	1.280E-18	-1.742E-01	1.595E-06	1.065E-03	0.000E+00
119	1	1.459E-42	2.538E-31	-2.037E-01	8.458E-07	1.015E-03	0.000E+00
120	1	-2.663E-37	3.117E-37	5.456E-02	4.743E-05	8.741E-04	0.000E+00
121	1	4.371E-36	-1.536E-36	-1.114E-02	6.791E-05	8.910E-04	0.000E+00
122	1	-2.484E-32	3.216E-32	-7.958E-02	1.079E-04	9.535E-04	0.000E+00
123	1	-3.980E-43	-9.536E-34	-1.595E-01	1.438E-04	1.003E-03	0.000E+00
124	1	2.484E-32	4.619E-32	-1.886E-01	1.486E-04	1.041E-03	0.000E+00
125	1	-2.442E-32	-4.540E-32	-1.886E-01	-1.486E-04	-1.041E-03	0.000E+00
126	1	-2.678E-44	9.373E-34	-1.595E-01	-1.438E-04	-1.003E-03	0.000E+00
127	1	2.442E-32	-3.161E-32	-7.958E-02	-1.079E-04	-9.535E-04	0.000E+00
128	1	3.247E-45	5.052E-26	-1.114E-02	-6.792E-05	-8.910E-04	0.000E+00
129	1	4.011E-35	-3.367E-37	5.456E-02	-4.744E-05	-8.741E-04	0.000E+00
130	1	1.183E-43	-2.494E-31	-2.037E-01	-8.602E-07	-1.015E-03	0.000E+00
131	1	2.354E-31	-1.258E-18	-1.742E-01	-1.609E-06	-1.065E-03	0.000E+00
132	1	2.856E-43	-5.861E-32	-8.881E-02	-1.568E-05	-1.006E-03	0.000E+00
133	1	-1.768E-45	-2.580E-45	-1.734E-02	-1.722E-05	-9.175E-04	0.000E+00
134	1	-1.023E-35	-3.652E-37	4.969E-02	-1.631E-05	-8.859E-04	0.000E+00
135	1	4.883E-32	9.260E-44	-1.922E-01	-4.391E-16	-1.032E-03	0.000E+00
136	1	-5.293E-43	6.164E-45	-1.635E-01	-3.941E-16	-9.770E-04	0.000E+00
137	1	-4.883E-32	-9.165E-44	-8.466E-02	-2.506E-16	-9.337E-04	0.000E+00
138	1	-1.153E-44	-1.837E-48	-1.635E-02	-1.497E-16	-8.857E-04	0.000E+00
139	1	1.903E-34	-2.796E-35	4.950E-02	-7.081E-17	-8.731E-04	0.000E+00
140	1	2.035E-42	2.494E-31	-2.037E-01	8.602E-07	-1.015E-03	0.000E+00
141	1	4.238E-30	1.258E-18	-1.742E-01	1.609E-06	-1.065E-03	0.000E+00

142	1	8.894E-43	5.861E-32	-8.881E-02	1.568E-05	-1.006E-03	0.000E+00
143	1	-1.774E-45	2.583E-45	-1.734E-02	1.722E-05	-9.175E-04	0.000E+00
144	1	-6.455E-38	5.569E-38	4.969E-02	1.631E-05	-8.859E-04	0.000E+00
145	1	-2.442E-32	4.540E-32	-1.886E-01	1.486E-04	-1.041E-03	0.000E+00
146	1	-5.927E-43	-9.373E-34	-1.595E-01	1.438E-04	-1.003E-03	0.000E+00
147	1	2.442E-32	3.161E-32	-7.958E-02	1.079E-04	-9.535E-04	0.000E+00
148	1	3.244E-45	1.933E-45	-1.114E-02	6.792E-05	-8.910E-04	0.000E+00
149	1	1.741E-37	2.777E-38	5.456E-02	4.744E-05	-8.741E-04	0.000E+00
200	1	-3.677E-10	2.207E-10	-2.906E-01	7.613E-04	-1.220E-04	0.000E+00
201	1	-3.677E-10	1.636E-10	-2.869E-01	7.489E-04	-1.456E-04	0.000E+00
202	1	-3.677E-10	2.530E-13	-2.770E-01	7.309E-04	2.586E-15	0.000E+00
203	1	-3.677E-10	-1.631E-10	-2.869E-01	7.489E-04	1.456E-04	0.000E+00
204	1	-3.677E-10	-2.202E-10	-2.906E-01	7.613E-04	1.220E-04	0.000E+00
205	1	-3.046E-10	2.207E-10	-2.663E-01	7.847E-04	-1.061E-04	0.000E+00
206	1	-3.046E-10	1.636E-10	-2.632E-01	7.648E-04	-1.401E-04	0.000E+00
207	1	-3.046E-10	2.530E-13	-2.540E-01	7.126E-04	2.579E-15	0.000E+00
208	1	-3.046E-10	-1.631E-10	-2.632E-01	7.648E-04	1.401E-04	0.000E+00
209	1	-3.046E-10	-2.202E-10	-2.663E-01	7.847E-04	1.061E-04	0.000E+00
210	1	-2.414E-10	2.207E-10	-2.423E-01	6.801E-04	-6.578E-05	0.000E+00
211	1	-2.414E-10	1.636E-10	-2.396E-01	6.765E-04	-1.120E-04	0.000E+00
212	1	-2.414E-10	2.530E-13	-2.326E-01	6.088E-04	2.584E-15	0.000E+00
213	1	-2.414E-10	-1.631E-10	-2.396E-01	6.765E-04	1.120E-04	0.000E+00
214	1	-2.414E-10	-2.202E-10	-2.423E-01	6.801E-04	6.578E-05	0.000E+00
215	1	4.675E-13	2.207E-10	-1.934E-01	-1.375E-15	-1.090E-04	0.000E+00
216	1	4.675E-13	1.636E-10	-1.905E-01	-1.426E-15	-1.001E-04	0.000E+00
217	1	4.675E-13	2.530E-13	-1.824E-01	-1.483E-15	2.497E-15	0.000E+00
218	1	4.675E-13	-1.631E-10	-1.905E-01	-1.774E-15	1.001E-04	0.000E+00
219	1	4.675E-13	-2.202E-10	-1.934E-01	-1.833E-15	1.090E-04	0.000E+00
220	1	2.424E-10	2.207E-10	-2.423E-01	-6.801E-04	-6.578E-05	0.000E+00
221	1	2.424E-10	1.636E-10	-2.396E-01	-6.765E-04	-1.120E-04	0.000E+00
222	1	2.424E-10	2.530E-13	-2.326E-01	-6.088E-04	3.124E-15	0.000E+00
223	1	2.424E-10	-1.631E-10	-2.396E-01	-6.765E-04	1.120E-04	0.000E+00
224	1	2.424E-10	-2.202E-10	-2.423E-01	-6.801E-04	6.578E-05	0.000E+00
225	1	3.055E-10	2.207E-10	-2.663E-01	-7.847E-04	-1.061E-04	0.000E+00
226	1	3.055E-10	1.636E-10	-2.632E-01	-7.648E-04	-1.401E-04	0.000E+00
227	1	3.055E-10	2.530E-13	-2.540E-01	-7.126E-04	3.241E-15	0.000E+00
228	1	3.055E-10	-1.631E-10	-2.632E-01	-7.648E-04	1.401E-04	0.000E+00
229	1	3.055E-10	-2.202E-10	-2.663E-01	-7.847E-04	1.061E-04	0.000E+00
230	1	3.686E-10	2.207E-10	-2.906E-01	-7.613E-04	-1.220E-04	0.000E+00
231	1	3.686E-10	1.636E-10	-2.869E-01	-7.489E-04	-1.456E-04	0.000E+00
232	1	3.686E-10	2.530E-13	-2.770E-01	-7.309E-04	3.344E-15	0.000E+00
233	1	3.686E-10	-1.631E-10	-2.869E-01	-7.489E-04	1.456E-04	0.000E+00
234	1	3.686E-10	-2.202E-10	-2.906E-01	-7.613E-04	1.220E-04	0.000E+00
235	1	-1.630E-04	1.789E-03	-3.137E-01	7.316E-04	-1.248E-04	0.000E+00
236	1	-3.125E-04	1.835E-03	-3.100E-01	7.192E-04	-1.458E-04	0.000E+00
237	1	7.376E-06	8.554E-04	-3.003E-01	7.066E-04	-2.636E-07	0.000E+00
238	1	3.219E-04	1.847E-03	-3.099E-01	7.184E-04	1.456E-04	0.000E+00
239	1	1.690E-04	1.796E-03	-3.137E-01	7.308E-04	1.247E-04	0.000E+00
240	1	-2.122E-04	1.594E-03	-2.904E-01	7.565E-04	-1.082E-04	0.000E+00
241	1	-1.351E-04	1.974E-03	-2.872E-01	7.319E-04	-1.411E-04	0.000E+00
242	1	4.556E-06	7.128E-04	-2.780E-01	6.926E-04	-1.127E-07	0.000E+00
243	1	1.447E-04	1.989E-03	-2.872E-01	7.310E-04	1.410E-04	0.000E+00
244	1	2.232E-04	1.597E-03	-2.904E-01	7.557E-04	1.082E-04	0.000E+00
245	1	-1.671E-04	1.273E-03	-2.671E-01	6.653E-04	-6.768E-05	0.000E+00
246	1	-1.021E-04	1.228E-03	-2.643E-01	6.619E-04	-1.136E-04	0.000E+00
247	1	4.149E-06	7.377E-04	-2.572E-01	5.944E-04	5.705E-09	0.000E+00
248	1	1.130E-04	1.226E-03	-2.643E-01	6.617E-04	1.136E-04	0.000E+00
249	1	1.797E-04	1.267E-03	-2.671E-01	6.651E-04	6.770E-05	0.000E+00
250	1	-3.491E-05	2.252E-05	-2.191E-01	5.758E-15	-1.113E-04	0.000E+00
251	1	1.711E-06	1.669E-05	-2.160E-01	5.714E-15	-1.019E-04	0.000E+00
252	1	1.862E-05	-1.442E-12	-2.079E-01	5.394E-15	6.464E-08	0.000E+00
253	1	3.739E-05	-1.669E-05	-2.161E-01	5.767E-15	1.020E-04	0.000E+00

254	1	7.531E-05	-2.252E-05	-2.191E-01	5.804E-15	1.115E-04	0.000E+00
255	1	-1.177E-04	-1.228E-03	-2.671E-01	-6.653E-04	-6.768E-05	0.000E+00
256	1	-5.264E-05	-1.195E-03	-2.643E-01	-6.619E-04	-1.136E-04	0.000E+00
257	1	5.358E-05	-7.377E-04	-2.572E-01	-5.944E-04	5.705E-09	0.000E+00
258	1	1.624E-04	-1.259E-03	-2.643E-01	-6.617E-04	1.136E-04	0.000E+00
259	1	2.291E-04	-1.312E-03	-2.671E-01	-6.651E-04	6.770E-05	0.000E+00
260	1	-1.499E-04	-1.549E-03	-2.904E-01	-7.565E-04	-1.082E-04	0.000E+00
261	1	-7.279E-05	-1.941E-03	-2.872E-01	-7.319E-04	-1.411E-04	0.000E+00
262	1	6.688E-05	-7.128E-04	-2.780E-01	-6.926E-04	-1.127E-07	0.000E+00
263	1	2.070E-04	-2.022E-03	-2.872E-01	-7.310E-04	1.410E-04	0.000E+00
264	1	2.855E-04	-1.642E-03	-2.904E-01	-7.557E-04	1.082E-04	0.000E+00
265	1	-8.774E-05	-1.744E-03	-3.137E-01	-7.316E-04	-1.248E-04	0.000E+00
266	1	-2.373E-04	-1.801E-03	-3.100E-01	-7.192E-04	-1.458E-04	0.000E+00
267	1	8.260E-05	-8.554E-04	-3.003E-01	-7.066E-04	-2.636E-07	0.000E+00
268	1	3.972E-04	-1.881E-03	-3.099E-01	-7.184E-04	1.456E-04	0.000E+00
269	1	2.442E-04	-1.841E-03	-3.137E-01	-7.308E-04	1.247E-04	0.000E+00
270	1	-4.939E-02	2.958E-02	-3.160E-01	7.613E-04	-1.220E-04	0.000E+00
271	1	-4.939E-02	2.191E-02	-3.123E-01	7.489E-04	-1.456E-04	0.000E+00
272	1	-4.939E-02	1.560E-13	-3.023E-01	7.309E-04	2.517E-15	0.000E+00
273	1	-4.939E-02	-2.191E-02	-3.123E-01	7.489E-04	1.456E-04	0.000E+00
274	1	-4.939E-02	-2.958E-02	-3.160E-01	7.613E-04	1.220E-04	0.000E+00
275	1	-4.092E-02	2.958E-02	-2.917E-01	7.847E-04	-1.061E-04	0.000E+00
276	1	-4.092E-02	2.191E-02	-2.885E-01	7.648E-04	-1.401E-04	0.000E+00
277	1	-4.092E-02	1.559E-13	-2.793E-01	7.126E-04	2.499E-15	0.000E+00
278	1	-4.092E-02	-2.191E-02	-2.885E-01	7.648E-04	1.401E-04	0.000E+00
279	1	-4.092E-02	-2.958E-02	-2.917E-01	7.847E-04	1.061E-04	0.000E+00
280	1	-3.245E-02	2.958E-02	-2.676E-01	6.801E-04	-6.578E-05	0.000E+00
281	1	-3.245E-02	2.191E-02	-2.650E-01	6.765E-04	-1.120E-04	0.000E+00
282	1	-3.245E-02	1.559E-13	-2.579E-01	6.088E-04	2.492E-15	0.000E+00
283	1	-3.245E-02	-2.191E-02	-2.650E-01	6.765E-04	1.120E-04	0.000E+00
284	1	-3.245E-02	-2.958E-02	-2.676E-01	6.801E-04	6.578E-05	0.000E+00
285	1	6.732E-13	2.958E-02	-2.188E-01	-5.654E-16	-1.090E-04	0.000E+00
286	1	6.732E-13	2.191E-02	-2.158E-01	-5.837E-16	-1.001E-04	0.000E+00
287	1	6.732E-13	1.559E-13	-2.078E-01	-5.935E-16	2.352E-15	0.000E+00
288	1	6.732E-13	-2.191E-02	-2.158E-01	-6.743E-16	1.001E-04	0.000E+00
289	1	6.732E-13	-2.958E-02	-2.188E-01	-7.032E-16	1.090E-04	0.000E+00
290	1	3.245E-02	2.958E-02	-2.676E-01	-6.801E-04	-6.578E-05	0.000E+00
291	1	3.245E-02	2.191E-02	-2.650E-01	-6.765E-04	-1.120E-04	0.000E+00
292	1	3.245E-02	1.559E-13	-2.579E-01	-6.088E-04	2.623E-15	0.000E+00
293	1	3.245E-02	-2.191E-02	-2.650E-01	-6.765E-04	1.120E-04	0.000E+00
294	1	3.245E-02	-2.958E-02	-2.676E-01	-6.801E-04	6.578E-05	0.000E+00
295	1	4.092E-02	2.958E-02	-2.917E-01	-7.847E-04	-1.061E-04	0.000E+00
296	1	4.092E-02	2.191E-02	-2.885E-01	-7.648E-04	-1.401E-04	0.000E+00
297	1	4.092E-02	1.559E-13	-2.793E-01	-7.126E-04	2.670E-15	0.000E+00
298	1	4.092E-02	-2.191E-02	-2.885E-01	-7.648E-04	1.401E-04	0.000E+00
299	1	4.092E-02	-2.958E-02	-2.917E-01	-7.847E-04	1.061E-04	0.000E+00
300	1	4.939E-02	2.958E-02	-3.160E-01	-7.613E-04	-1.220E-04	0.000E+00
301	1	4.939E-02	2.191E-02	-3.123E-01	-7.489E-04	-1.456E-04	0.000E+00
302	1	4.939E-02	1.559E-13	-3.023E-01	-7.309E-04	2.716E-15	0.000E+00
303	1	4.939E-02	-2.191E-02	-3.123E-01	-7.489E-04	1.456E-04	0.000E+00
304	1	4.939E-02	-2.958E-02	-3.160E-01	-7.613E-04	1.220E-04	0.000E+00
305	1	-2.704E-04	1.855E-03	-3.179E-01	7.316E-04	-1.248E-04	0.000E+00
306	1	-4.199E-04	1.883E-03	-3.141E-01	7.192E-04	-1.458E-04	0.000E+00
307	1	-1.000E-04	8.554E-04	-3.044E-01	7.066E-04	-2.604E-07	0.000E+00
308	1	2.145E-04	1.799E-03	-3.141E-01	7.184E-04	1.456E-04	0.000E+00
309	1	6.160E-05	1.731E-03	-3.179E-01	7.308E-04	1.247E-04	0.000E+00
310	1	-3.009E-04	1.660E-03	-2.946E-01	7.565E-04	-1.082E-04	0.000E+00
311	1	-2.238E-04	2.023E-03	-2.914E-01	7.319E-04	-1.411E-04	0.000E+00
312	1	-8.408E-05	7.128E-04	-2.822E-01	6.926E-04	-1.096E-07	0.000E+00
313	1	5.605E-05	1.940E-03	-2.913E-01	7.310E-04	1.410E-04	0.000E+00
314	1	1.345E-04	1.531E-03	-2.945E-01	7.557E-04	1.082E-04	0.000E+00
315	1	-2.370E-04	1.339E-03	-2.712E-01	6.653E-04	-6.768E-05	0.000E+00

316	1	-1.720E-04	1.277E-03	-2.685E-01	6.619E-04	-1.136E-04	0.000E+00
317	1	-6.573E-05	7.377E-04	-2.613E-01	5.944E-04	8.855E-09	0.000E+00
318	1	4.311E-05	1.177E-03	-2.685E-01	6.617E-04	1.136E-04	0.000E+00
319	1	1.098E-04	1.201E-03	-2.712E-01	6.651E-04	6.770E-05	0.000E+00
320	1	-3.292E-05	8.802E-05	-2.232E-01	3.350E-15	-1.113E-04	0.000E+00
321	1	3.697E-06	6.521E-05	-2.202E-01	3.368E-15	-1.019E-04	0.000E+00
322	1	2.061E-05	-9.327E-13	-2.121E-01	3.309E-15	6.779E-08	0.000E+00
323	1	3.938E-05	-6.521E-05	-2.202E-01	3.631E-15	1.020E-04	0.000E+00
324	1	7.730E-05	-8.802E-05	-2.233E-01	3.678E-15	1.115E-04	0.000E+00
325	1	-4.384E-05	-1.163E-03	-2.712E-01	-6.653E-04	-6.768E-05	0.000E+00
326	1	2.121E-05	-1.146E-03	-2.685E-01	-6.619E-04	-1.136E-04	0.000E+00
327	1	1.274E-04	-7.377E-04	-2.613E-01	-5.944E-04	8.855E-09	0.000E+00
328	1	2.363E-04	-1.308E-03	-2.685E-01	-6.617E-04	1.136E-04	0.000E+00
329	1	3.030E-04	-1.377E-03	-2.712E-01	-6.651E-04	6.770E-05	0.000E+00
330	1	-5.730E-05	-1.484E-03	-2.946E-01	-7.565E-04	-1.082E-04	0.000E+00
331	1	1.982E-05	-1.892E-03	-2.914E-01	-7.319E-04	-1.411E-04	0.000E+00
332	1	1.595E-04	-7.128E-04	-2.822E-01	-6.926E-04	-1.096E-07	0.000E+00
333	1	2.996E-04	-2.071E-03	-2.913E-01	-7.310E-04	1.410E-04	0.000E+00
334	1	3.781E-04	-1.707E-03	-2.945E-01	-7.557E-04	1.082E-04	0.000E+00
335	1	2.363E-05	-1.679E-03	-3.179E-01	-7.316E-04	-1.248E-04	0.000E+00
336	1	-1.259E-04	-1.753E-03	-3.141E-01	-7.192E-04	-1.458E-04	0.000E+00
337	1	1.940E-04	-8.554E-04	-3.044E-01	-7.066E-04	-2.604E-07	0.000E+00
338	1	5.085E-04	-1.929E-03	-3.141E-01	-7.184E-04	1.456E-04	0.000E+00
339	1	3.556E-04	-1.907E-03	-3.179E-01	-7.308E-04	1.247E-04	0.000E+00
340	1	7.448E-03	-4.460E-03	-3.257E-01	7.613E-04	-1.220E-04	0.000E+00
341	1	7.448E-03	-3.305E-03	-3.220E-01	7.489E-04	-1.456E-04	0.000E+00
342	1	7.448E-03	-2.213E-15	-3.121E-01	7.309E-04	3.619E-16	0.000E+00
343	1	7.448E-03	3.305E-03	-3.220E-01	7.489E-04	1.456E-04	0.000E+00
344	1	7.448E-03	4.460E-03	-3.257E-01	7.613E-04	1.220E-04	0.000E+00
345	1	6.171E-03	-4.460E-03	-3.014E-01	7.847E-04	-1.061E-04	0.000E+00
346	1	6.171E-03	-3.305E-03	-2.983E-01	7.648E-04	-1.401E-04	0.000E+00
347	1	6.171E-03	-2.213E-15	-2.890E-01	7.126E-04	3.668E-16	0.000E+00
348	1	6.171E-03	3.305E-03	-2.983E-01	7.648E-04	1.401E-04	0.000E+00
349	1	6.171E-03	4.460E-03	-3.014E-01	7.847E-04	1.061E-04	0.000E+00
350	1	4.894E-03	-4.460E-03	-2.774E-01	6.801E-04	-6.578E-05	0.000E+00
351	1	4.894E-03	-3.305E-03	-2.747E-01	6.765E-04	-1.120E-04	0.000E+00
352	1	4.894E-03	-2.214E-15	-2.676E-01	6.088E-04	3.826E-16	0.000E+00
353	1	4.894E-03	3.305E-03	-2.747E-01	6.765E-04	1.120E-04	0.000E+00
354	1	4.894E-03	4.460E-03	-2.774E-01	6.801E-04	6.578E-05	0.000E+00
355	1	1.362E-13	-4.460E-03	-2.285E-01	1.390E-16	-1.090E-04	0.000E+00
356	1	1.362E-13	-3.305E-03	-2.255E-01	1.039E-16	-1.001E-04	0.000E+00
357	1	1.362E-13	-2.223E-15	-2.175E-01	1.708E-17	4.316E-16	0.000E+00
358	1	1.362E-13	3.305E-03	-2.255E-01	-3.129E-17	1.001E-04	0.000E+00
359	1	1.362E-13	4.460E-03	-2.285E-01	-4.718E-17	1.090E-04	0.000E+00
360	1	-4.894E-03	-4.460E-03	-2.774E-01	-6.801E-04	-6.578E-05	0.000E+00
361	1	-4.894E-03	-3.305E-03	-2.747E-01	-6.765E-04	-1.120E-04	0.000E+00
362	1	-4.894E-03	-2.215E-15	-2.676E-01	-6.088E-04	5.840E-16	0.000E+00
363	1	-4.894E-03	3.305E-03	-2.747E-01	-6.765E-04	1.120E-04	0.000E+00
364	1	-4.894E-03	4.460E-03	-2.774E-01	-6.801E-04	6.578E-05	0.000E+00
365	1	-6.171E-03	-4.460E-03	-3.014E-01	-7.847E-04	-1.061E-04	0.000E+00
366	1	-6.171E-03	-3.305E-03	-2.983E-01	-7.648E-04	-1.401E-04	0.000E+00
367	1	-6.171E-03	-2.216E-15	-2.890E-01	-7.126E-04	6.273E-16	0.000E+00
368	1	-6.171E-03	3.305E-03	-2.983E-01	-7.648E-04	1.401E-04	0.000E+00
369	1	-6.171E-03	4.460E-03	-3.014E-01	-7.847E-04	1.061E-04	0.000E+00
370	1	-7.448E-03	-4.460E-03	-3.257E-01	-7.613E-04	-1.220E-04	0.000E+00
371	1	-7.448E-03	-3.305E-03	-3.220E-01	-7.489E-04	-1.456E-04	0.000E+00
372	1	-7.448E-03	-2.216E-15	-3.121E-01	-7.309E-04	6.667E-16	0.000E+00
373	1	-7.448E-03	3.305E-03	-3.220E-01	-7.489E-04	1.456E-04	0.000E+00
374	1	-7.448E-03	4.460E-03	-3.257E-01	-7.613E-04	1.220E-04	0.000E+00
375	1	5.898E-05	1.656E-03	-3.117E-01	7.316E-04	-1.248E-04	0.000E+00
376	1	-9.057E-05	1.736E-03	-3.079E-01	7.192E-04	-1.458E-04	0.000E+00
377	1	2.293E-04	8.554E-04	-2.982E-01	7.066E-04	-2.652E-07	0.000E+00

378	1	5.439E-04	1.946E-03	-3.079E-01	7.184E-04	1.456E-04	0.000E+00
379	1	3.909E-04	1.930E-03	-3.116E-01	7.308E-04	1.247E-04	0.000E+00
380	1	-2.851E-05	1.461E-03	-2.883E-01	7.565E-04	-1.082E-04	0.000E+00
381	1	4.861E-05	1.875E-03	-2.851E-01	7.319E-04	-1.411E-04	0.000E+00
382	1	1.883E-04	7.128E-04	-2.759E-01	6.926E-04	-1.143E-07	0.000E+00
383	1	3.284E-04	2.088E-03	-2.851E-01	7.310E-04	1.410E-04	0.000E+00
384	1	4.069E-04	1.730E-03	-2.883E-01	7.557E-04	1.082E-04	0.000E+00
385	1	-2.162E-05	1.140E-03	-2.650E-01	6.653E-04	-6.768E-05	0.000E+00
386	1	4.343E-05	1.129E-03	-2.623E-01	6.619E-04	-1.136E-04	0.000E+00
387	1	1.497E-04	7.377E-04	-2.551E-01	5.944E-04	4.130E-09	0.000E+00
388	1	2.585E-04	1.325E-03	-2.623E-01	6.617E-04	1.136E-04	0.000E+00
389	1	3.252E-04	1.400E-03	-2.650E-01	6.651E-04	6.769E-05	0.000E+00
390	1	-3.587E-05	-1.110E-04	-2.170E-01	-1.290E-16	-1.113E-04	0.000E+00
391	1	7.528E-07	-8.221E-05	-2.140E-01	-1.101E-16	-1.019E-04	0.000E+00
392	1	1.766E-05	8.593E-15	-2.059E-01	-1.698E-17	6.306E-08	0.000E+00
393	1	3.643E-05	8.221E-05	-2.140E-01	1.471E-16	1.020E-04	0.000E+00
394	1	7.436E-05	1.110E-04	-2.170E-01	2.033E-16	1.115E-04	0.000E+00
395	1	-2.651E-04	-1.362E-03	-2.650E-01	-6.653E-04	-6.768E-05	0.000E+00
396	1	-2.001E-04	-1.294E-03	-2.623E-01	-6.619E-04	-1.136E-04	0.000E+00
397	1	-9.384E-05	-7.377E-04	-2.551E-01	-5.944E-04	4.130E-09	0.000E+00
398	1	1.501E-05	-1.160E-03	-2.623E-01	-6.617E-04	1.136E-04	0.000E+00
399	1	8.172E-05	-1.178E-03	-2.650E-01	-6.651E-04	6.769E-05	0.000E+00
400	1	-3.356E-04	-1.683E-03	-2.883E-01	-7.565E-04	-1.082E-04	0.000E+00
401	1	-2.584E-04	-2.040E-03	-2.851E-01	-7.319E-04	-1.411E-04	0.000E+00
402	1	-1.188E-04	-7.128E-04	-2.759E-01	-6.926E-04	-1.143E-07	0.000E+00
403	1	2.137E-05	-1.923E-03	-2.851E-01	-7.310E-04	1.410E-04	0.000E+00
404	1	9.984E-05	-1.508E-03	-2.883E-01	-7.557E-04	1.082E-04	0.000E+00
405	1	-3.116E-04	-1.878E-03	-3.117E-01	-7.316E-04	-1.248E-04	0.000E+00
406	1	-4.612E-04	-1.900E-03	-3.079E-01	-7.192E-04	-1.458E-04	0.000E+00
407	1	-1.413E-04	-8.554E-04	-2.982E-01	-7.066E-04	-2.652E-07	0.000E+00
408	1	1.733E-04	-1.782E-03	-3.079E-01	-7.184E-04	1.456E-04	0.000E+00
409	1	2.035E-05	-1.708E-03	-3.116E-01	-7.308E-04	1.247E-04	0.000E+00
410	1	1.286E-02	1.237E-09	-3.169E-01	7.645E-04	-7.601E-05	0.000E+00
411	1	1.286E-02	9.167E-10	-3.145E-01	7.522E-04	-9.927E-05	0.000E+00
412	1	1.286E-02	6.625E-13	-3.084E-01	7.357E-04	4.792E-05	0.000E+00
413	1	1.286E-02	-9.154E-10	-3.223E-01	7.556E-04	1.938E-04	0.000E+00
414	1	1.286E-02	-1.236E-09	-3.274E-01	7.683E-04	1.696E-04	0.000E+00
415	1	1.286E-02	1.237E-09	-2.925E-01	7.876E-04	-6.030E-05	0.000E+00
416	1	1.286E-02	9.167E-10	-2.907E-01	7.680E-04	-9.423E-05	0.000E+00
417	1	1.286E-02	6.625E-13	-2.852E-01	7.174E-04	4.722E-05	0.000E+00
418	1	1.286E-02	-9.154E-10	-2.984E-01	7.719E-04	1.877E-04	0.000E+00
419	1	1.286E-02	-1.236E-09	-3.029E-01	7.923E-04	1.532E-04	0.000E+00
420	1	1.286E-02	1.237E-09	-2.684E-01	6.825E-04	-2.031E-05	0.000E+00
421	1	1.286E-02	9.167E-10	-2.670E-01	6.790E-04	-6.666E-05	0.000E+00
422	1	1.286E-02	6.625E-13	-2.637E-01	6.129E-04	4.650E-05	0.000E+00
423	1	1.286E-02	-9.154E-10	-2.746E-01	6.830E-04	1.589E-04	0.000E+00
424	1	1.286E-02	-1.236E-09	-2.786E-01	6.868E-04	1.121E-04	0.000E+00
425	1	1.286E-02	1.237E-09	-2.194E-01	-2.619E-15	-6.437E-05	0.000E+00
426	1	1.286E-02	9.167E-10	-2.177E-01	-2.575E-15	-5.560E-05	0.000E+00
427	1	1.286E-02	6.625E-13	-2.132E-01	-2.324E-15	4.229E-05	0.000E+00
428	1	1.286E-02	-9.154E-10	-2.249E-01	-2.326E-15	1.459E-04	0.000E+00
429	1	1.286E-02	-1.236E-09	-2.292E-01	-2.306E-15	1.550E-04	0.000E+00
430	1	1.286E-02	1.237E-09	-2.684E-01	-6.825E-04	-2.031E-05	0.000E+00
431	1	1.286E-02	9.167E-10	-2.670E-01	-6.790E-04	-6.666E-05	0.000E+00
432	1	1.286E-02	6.625E-13	-2.637E-01	-6.129E-04	4.650E-05	0.000E+00
433	1	1.286E-02	-9.154E-10	-2.746E-01	-6.830E-04	1.589E-04	0.000E+00
434	1	1.286E-02	-1.236E-09	-2.786E-01	-6.868E-04	1.121E-04	0.000E+00
435	1	1.286E-02	1.237E-09	-2.925E-01	-7.876E-04	-6.030E-05	0.000E+00
436	1	1.286E-02	9.167E-10	-2.907E-01	-7.680E-04	-9.423E-05	0.000E+00
437	1	1.286E-02	6.625E-13	-2.852E-01	-7.174E-04	4.722E-05	0.000E+00
438	1	1.286E-02	-9.154E-10	-2.984E-01	-7.719E-04	1.877E-04	0.000E+00
439	1	1.286E-02	-1.236E-09	-3.029E-01	-7.923E-04	1.532E-04	0.000E+00

440	1	1.286E-02	1.237E-09	-3.169E-01	-7.645E-04	-7.601E-05	0.000E+00
441	1	1.286E-02	9.167E-10	-3.145E-01	-7.522E-04	-9.927E-05	0.000E+00
442	1	1.286E-02	6.625E-13	-3.084E-01	-7.357E-04	4.792E-05	0.000E+00
443	1	1.286E-02	-9.154E-10	-3.223E-01	-7.556E-04	1.938E-04	0.000E+00
444	1	1.286E-02	-1.236E-09	-3.274E-01	-7.683E-04	1.696E-04	0.000E+00
445	1	-1.287E-04	1.793E-03	-3.233E-01	7.413E-04	-1.264E-04	0.000E+00
446	1	-2.803E-04	1.844E-03	-3.195E-01	7.288E-04	-1.478E-04	0.000E+00
447	1	4.389E-05	8.668E-04	-3.097E-01	7.161E-04	-2.639E-07	0.000E+00
448	1	3.626E-04	1.887E-03	-3.194E-01	7.280E-04	1.475E-04	0.000E+00
449	1	2.077E-04	1.841E-03	-3.233E-01	7.405E-04	1.264E-04	0.000E+00
450	1	-1.845E-04	1.595E-03	-2.996E-01	7.666E-04	-1.096E-04	0.000E+00
451	1	-1.063E-04	1.985E-03	-2.964E-01	7.417E-04	-1.430E-04	0.000E+00
452	1	3.521E-05	7.223E-04	-2.871E-01	7.018E-04	-1.110E-07	0.000E+00
453	1	1.772E-04	2.030E-03	-2.964E-01	7.408E-04	1.429E-04	0.000E+00
454	1	2.567E-04	1.638E-03	-2.996E-01	7.658E-04	1.096E-04	0.000E+00
455	1	-1.446E-04	1.270E-03	-2.760E-01	6.742E-04	-6.855E-05	0.000E+00
456	1	-7.867E-05	1.229E-03	-2.732E-01	6.707E-04	-1.151E-04	0.000E+00
457	1	2.896E-05	7.476E-04	-2.660E-01	6.023E-04	9.033E-09	0.000E+00
458	1	1.393E-04	1.257E-03	-2.732E-01	6.705E-04	1.151E-04	0.000E+00
459	1	2.069E-04	1.304E-03	-2.760E-01	6.740E-04	6.857E-05	0.000E+00
460	1	-3.295E-05	2.468E-06	-2.274E-01	2.480E-15	-1.128E-04	0.000E+00
461	1	4.157E-06	1.829E-06	-2.243E-01	2.491E-15	-1.032E-04	0.000E+00
462	1	2.129E-05	-7.039E-13	-2.161E-01	2.461E-15	6.885E-08	0.000E+00
463	1	4.031E-05	-1.829E-06	-2.243E-01	2.737E-15	1.033E-04	0.000E+00
464	1	7.874E-05	-2.468E-06	-2.274E-01	2.788E-15	1.129E-04	0.000E+00
465	1	-1.392E-04	-1.265E-03	-2.760E-01	-6.742E-04	-6.855E-05	0.000E+00
466	1	-7.326E-05	-1.226E-03	-2.732E-01	-6.707E-04	-1.151E-04	0.000E+00
467	1	3.438E-05	-7.476E-04	-2.660E-01	-6.023E-04	9.033E-09	0.000E+00
468	1	1.447E-04	-1.261E-03	-2.732E-01	-6.705E-04	1.151E-04	0.000E+00
469	1	2.123E-04	-1.309E-03	-2.760E-01	-6.740E-04	6.857E-05	0.000E+00
470	1	-1.776E-04	-1.590E-03	-2.996E-01	-7.666E-04	-1.096E-04	0.000E+00
471	1	-9.950E-05	-1.982E-03	-2.964E-01	-7.417E-04	-1.430E-04	0.000E+00
472	1	4.204E-05	-7.223E-04	-2.871E-01	-7.018E-04	-1.110E-07	0.000E+00
473	1	1.840E-04	-2.034E-03	-2.964E-01	-7.408E-04	1.429E-04	0.000E+00
474	1	2.636E-04	-1.643E-03	-2.996E-01	-7.658E-04	1.096E-04	0.000E+00
475	1	-1.205E-04	-1.788E-03	-3.233E-01	-7.413E-04	-1.264E-04	0.000E+00
476	1	-2.720E-04	-1.841E-03	-3.195E-01	-7.288E-04	-1.478E-04	0.000E+00
477	1	5.214E-05	-8.668E-04	-3.097E-01	-7.161E-04	-2.639E-07	0.000E+00
478	1	3.709E-04	-1.891E-03	-3.194E-01	-7.280E-04	1.475E-04	0.000E+00
479	1	2.159E-04	-1.846E-03	-3.233E-01	-7.405E-04	1.264E-04	0.000E+00
480	1	-1.393E-02	-4.201E-10	-3.310E-01	7.683E-04	-1.712E-04	0.000E+00
481	1	-1.393E-02	-3.116E-10	-3.259E-01	7.556E-04	-1.954E-04	0.000E+00
482	1	-1.393E-02	-1.275E-12	-3.119E-01	7.357E-04	-4.956E-05	0.000E+00
483	1	-1.393E-02	3.090E-10	-3.179E-01	7.522E-04	9.764E-05	0.000E+00
484	1	-1.393E-02	4.176E-10	-3.202E-01	7.645E-04	7.437E-05	0.000E+00
485	1	-1.393E-02	-4.201E-10	-3.065E-01	7.923E-04	-1.548E-04	0.000E+00
486	1	-1.393E-02	-3.116E-10	-3.020E-01	7.719E-04	-1.894E-04	0.000E+00
487	1	-1.393E-02	-1.275E-12	-2.887E-01	7.174E-04	-4.886E-05	0.000E+00
488	1	-1.393E-02	3.090E-10	-2.940E-01	7.680E-04	9.259E-05	0.000E+00
489	1	-1.393E-02	4.176E-10	-2.958E-01	7.876E-04	5.866E-05	0.000E+00
490	1	-1.393E-02	-4.201E-10	-2.822E-01	6.868E-04	-1.137E-04	0.000E+00
491	1	-1.393E-02	-3.116E-10	-2.782E-01	6.830E-04	-1.605E-04	0.000E+00
492	1	-1.393E-02	-1.275E-12	-2.672E-01	6.129E-04	-4.813E-05	0.000E+00
493	1	-1.393E-02	3.090E-10	-2.704E-01	6.790E-04	6.502E-05	0.000E+00
494	1	-1.393E-02	4.176E-10	-2.717E-01	6.825E-04	1.867E-05	0.000E+00
495	1	-1.393E-02	-4.201E-10	-2.329E-01	4.637E-15	-1.567E-04	0.000E+00
496	1	-1.393E-02	-3.116E-10	-2.286E-01	4.599E-15	-1.475E-04	0.000E+00
497	1	-1.393E-02	-1.275E-12	-2.167E-01	4.313E-15	-4.393E-05	0.000E+00
498	1	-1.393E-02	3.090E-10	-2.210E-01	4.471E-15	5.397E-05	0.000E+00
499	1	-1.393E-02	4.176E-10	-2.227E-01	4.462E-15	6.273E-05	0.000E+00
500	1	-1.393E-02	-4.201E-10	-2.822E-01	-6.868E-04	-1.137E-04	0.000E+00
501	1	-1.393E-02	-3.116E-10	-2.782E-01	-6.830E-04	-1.605E-04	0.000E+00

502	1	-1.393E-02	-1.275E-12	-2.672E-01	-6.129E-04	-4.813E-05	0.000E+00
503	1	-1.393E-02	3.090E-10	-2.704E-01	-6.790E-04	6.502E-05	0.000E+00
504	1	-1.393E-02	4.176E-10	-2.717E-01	-6.825E-04	1.867E-05	0.000E+00
505	1	-1.393E-02	-4.201E-10	-3.065E-01	-7.923E-04	-1.548E-04	0.000E+00
506	1	-1.393E-02	-3.116E-10	-3.020E-01	-7.719E-04	-1.894E-04	0.000E+00
507	1	-1.393E-02	-1.275E-12	-2.887E-01	-7.174E-04	-4.886E-05	0.000E+00
508	1	-1.393E-02	3.090E-10	-2.940E-01	-7.680E-04	9.259E-05	0.000E+00
509	1	-1.393E-02	4.176E-10	-2.958E-01	-7.876E-04	5.866E-05	0.000E+00
510	1	-1.393E-02	-4.201E-10	-3.310E-01	-7.683E-04	-1.712E-04	0.000E+00
511	1	-1.393E-02	-3.116E-10	-3.259E-01	-7.556E-04	-1.954E-04	0.000E+00
512	1	-1.393E-02	-1.275E-12	-3.119E-01	-7.357E-04	-4.956E-05	0.000E+00
513	1	-1.393E-02	3.090E-10	-3.179E-01	-7.522E-04	9.764E-05	0.000E+00
514	1	-1.393E-02	4.176E-10	-3.202E-01	-7.645E-04	7.437E-05	0.000E+00
515	1	-1.441E-04	1.780E-03	-3.214E-01	7.316E-04	-1.248E-04	0.000E+00
516	1	-2.937E-04	1.828E-03	-3.176E-01	7.192E-04	-1.458E-04	0.000E+00
517	1	2.625E-05	8.554E-04	-3.079E-01	7.066E-04	-2.578E-07	0.000E+00
518	1	3.408E-04	1.854E-03	-3.176E-01	7.184E-04	1.456E-04	0.000E+00
519	1	1.879E-04	1.805E-03	-3.213E-01	7.308E-04	1.247E-04	0.000E+00
520	1	-1.960E-04	1.585E-03	-2.980E-01	7.565E-04	-1.082E-04	0.000E+00
521	1	-1.188E-04	1.967E-03	-2.948E-01	7.319E-04	-1.411E-04	0.000E+00
522	1	2.083E-05	7.128E-04	-2.856E-01	6.926E-04	-1.069E-07	0.000E+00
523	1	1.610E-04	1.995E-03	-2.948E-01	7.310E-04	1.410E-04	0.000E+00
524	1	2.394E-04	1.606E-03	-2.980E-01	7.557E-04	1.082E-04	0.000E+00
525	1	-1.534E-04	1.264E-03	-2.747E-01	6.653E-04	-6.767E-05	0.000E+00
526	1	-8.840E-05	1.221E-03	-2.720E-01	6.619E-04	-1.136E-04	0.000E+00
527	1	1.782E-05	7.377E-04	-2.648E-01	5.944E-04	1.148E-08	0.000E+00
528	1	1.267E-04	1.233E-03	-2.720E-01	6.617E-04	1.137E-04	0.000E+00
529	1	1.934E-04	1.276E-03	-2.747E-01	6.651E-04	6.770E-05	0.000E+00
530	1	-3.120E-05	1.345E-05	-2.267E-01	-2.997E-15	-1.113E-04	0.000E+00
531	1	5.424E-06	9.962E-06	-2.237E-01	-2.961E-15	-1.019E-04	0.000E+00
532	1	2.234E-05	8.019E-13	-2.156E-01	-2.729E-15	7.041E-08	0.000E+00
533	1	4.111E-05	-9.962E-06	-2.237E-01	-2.829E-15	1.020E-04	0.000E+00
534	1	7.903E-05	-1.345E-05	-2.267E-01	-2.843E-15	1.115E-04	0.000E+00
535	1	-1.239E-04	-1.237E-03	-2.747E-01	-6.653E-04	-6.767E-05	0.000E+00
536	1	-5.889E-05	-1.201E-03	-2.720E-01	-6.619E-04	-1.136E-04	0.000E+00
537	1	4.733E-05	-7.377E-04	-2.648E-01	-5.944E-04	1.148E-08	0.000E+00
538	1	1.562E-04	-1.253E-03	-2.720E-01	-6.617E-04	1.137E-04	0.000E+00
539	1	2.229E-04	-1.303E-03	-2.747E-01	-6.651E-04	6.770E-05	0.000E+00
540	1	-1.588E-04	-1.558E-03	-2.980E-01	-7.565E-04	-1.082E-04	0.000E+00
541	1	-8.163E-05	-1.947E-03	-2.948E-01	-7.319E-04	-1.411E-04	0.000E+00
542	1	5.804E-05	-7.128E-04	-2.856E-01	-6.926E-04	-1.069E-07	0.000E+00
543	1	1.982E-04	-2.015E-03	-2.948E-01	-7.310E-04	1.410E-04	0.000E+00
544	1	2.766E-04	-1.633E-03	-2.980E-01	-7.557E-04	1.082E-04	0.000E+00
545	1	-9.918E-05	-1.753E-03	-3.214E-01	-7.316E-04	-1.248E-04	0.000E+00
546	1	-2.487E-04	-1.808E-03	-3.176E-01	-7.192E-04	-1.458E-04	0.000E+00
547	1	7.116E-05	-8.554E-04	-3.079E-01	-7.066E-04	-2.578E-07	0.000E+00
548	1	3.857E-04	-1.874E-03	-3.176E-01	-7.184E-04	1.456E-04	0.000E+00
549	1	2.328E-04	-1.832E-03	-3.213E-01	-7.308E-04	1.247E-04	0.000E+00
550	1	-2.693E-12	8.995E-13	-3.139E-01	7.613E-04	-1.220E-04	0.000E+00
551	1	-2.693E-12	5.598E-13	-3.102E-01	7.489E-04	-1.456E-04	0.000E+00
552	1	-2.693E-12	-4.115E-13	-3.003E-01	7.309E-04	-1.892E-15	0.000E+00
553	1	-2.693E-12	-1.383E-12	-3.102E-01	7.489E-04	1.456E-04	0.000E+00
554	1	-2.693E-12	-1.722E-12	-3.139E-01	7.613E-04	1.220E-04	0.000E+00
555	1	-2.317E-12	8.995E-13	-2.896E-01	7.847E-04	-1.061E-04	0.000E+00
556	1	-2.317E-12	5.598E-13	-2.865E-01	7.648E-04	-1.401E-04	0.000E+00
557	1	-2.317E-12	-4.115E-13	-2.772E-01	7.126E-04	-1.899E-15	0.000E+00
558	1	-2.317E-12	-1.383E-12	-2.865E-01	7.648E-04	1.401E-04	0.000E+00
559	1	-2.317E-12	-1.722E-12	-2.896E-01	7.847E-04	1.061E-04	0.000E+00
560	1	-1.942E-12	8.995E-13	-2.656E-01	6.801E-04	-6.578E-05	0.000E+00
561	1	-1.942E-12	5.598E-13	-2.629E-01	6.765E-04	-1.120E-04	0.000E+00
562	1	-1.942E-12	-4.115E-13	-2.558E-01	6.088E-04	-1.901E-15	0.000E+00
563	1	-1.942E-12	-1.383E-12	-2.629E-01	6.765E-04	1.120E-04	0.000E+00

564	1	-1.942E-12	-1.722E-12	-2.656E-01	6.801E-04	6.578E-05	0.000E+00
565	1	-5.034E-13	8.995E-13	-2.167E-01	1.711E-15	-1.090E-04	0.000E+00
566	1	-5.034E-13	5.598E-13	-2.137E-01	1.694E-15	-1.001E-04	0.000E+00
567	1	-5.034E-13	-4.115E-13	-2.057E-01	1.587E-15	-1.794E-15	0.000E+00
568	1	-5.034E-13	-1.383E-12	-2.137E-01	1.670E-15	1.001E-04	0.000E+00
569	1	-5.034E-13	-1.722E-12	-2.167E-01	1.669E-15	1.090E-04	0.000E+00
570	1	9.351E-13	8.995E-13	-2.656E-01	-6.801E-04	-6.578E-05	0.000E+00
571	1	9.351E-13	5.598E-13	-2.629E-01	-6.765E-04	-1.120E-04	0.000E+00
572	1	9.351E-13	-4.115E-13	-2.558E-01	-6.088E-04	-1.873E-15	0.000E+00
573	1	9.351E-13	-1.383E-12	-2.629E-01	-6.765E-04	1.120E-04	0.000E+00
574	1	9.351E-13	-1.722E-12	-2.656E-01	-6.801E-04	6.578E-05	0.000E+00
575	1	1.311E-12	8.995E-13	-2.896E-01	-7.847E-04	-1.061E-04	0.000E+00
576	1	1.311E-12	5.598E-13	-2.865E-01	-7.648E-04	-1.401E-04	0.000E+00
577	1	1.311E-12	-4.115E-13	-2.772E-01	-7.126E-04	-1.878E-15	0.000E+00
578	1	1.311E-12	-1.383E-12	-2.865E-01	-7.648E-04	1.401E-04	0.000E+00
579	1	1.311E-12	-1.722E-12	-2.896E-01	-7.847E-04	1.061E-04	0.000E+00
580	1	1.686E-12	8.995E-13	-3.139E-01	-7.613E-04	-1.220E-04	0.000E+00
581	1	1.686E-12	5.598E-13	-3.102E-01	-7.489E-04	-1.456E-04	0.000E+00
582	1	1.686E-12	-4.115E-13	-3.003E-01	-7.309E-04	-1.904E-15	0.000E+00
583	1	1.686E-12	-1.383E-12	-3.102E-01	-7.489E-04	1.456E-04	0.000E+00
584	1	1.686E-12	-1.722E-12	-3.139E-01	-7.613E-04	1.220E-04	0.000E+00
585	1	-1.408E-04	1.779E-03	-3.235E-01	7.316E-04	-1.248E-04	0.000E+00
586	1	-2.903E-04	1.827E-03	-3.197E-01	7.192E-04	-1.458E-04	0.000E+00
587	1	2.957E-05	8.554E-04	-3.100E-01	7.066E-04	-2.562E-07	0.000E+00
588	1	3.441E-04	1.855E-03	-3.197E-01	7.184E-04	1.456E-04	0.000E+00
589	1	1.912E-04	1.807E-03	-3.234E-01	7.308E-04	1.247E-04	0.000E+00
590	1	-1.930E-04	1.584E-03	-3.001E-01	7.565E-04	-1.082E-04	0.000E+00
591	1	-1.159E-04	1.966E-03	-2.969E-01	7.319E-04	-1.411E-04	0.000E+00
592	1	2.376E-05	7.128E-04	-2.877E-01	6.926E-04	-1.054E-07	0.000E+00
593	1	1.639E-04	1.996E-03	-2.969E-01	7.310E-04	1.410E-04	0.000E+00
594	1	2.424E-04	1.607E-03	-3.001E-01	7.557E-04	1.082E-04	0.000E+00
595	1	-1.509E-04	1.263E-03	-2.768E-01	6.653E-04	-6.767E-05	0.000E+00
596	1	-8.585E-05	1.220E-03	-2.741E-01	6.619E-04	-1.136E-04	0.000E+00
597	1	2.037E-05	7.377E-04	-2.669E-01	5.944E-04	1.306E-08	0.000E+00
598	1	1.292E-04	1.234E-03	-2.741E-01	6.617E-04	1.137E-04	0.000E+00
599	1	1.959E-04	1.277E-03	-2.768E-01	6.651E-04	6.770E-05	0.000E+00
600	1	-3.013E-05	1.210E-05	-2.288E-01	2.018E-15	-1.113E-04	0.000E+00
601	1	6.492E-06	8.962E-06	-2.258E-01	1.982E-15	-1.018E-04	0.000E+00
602	1	2.340E-05	-5.524E-13	-2.177E-01	1.822E-15	7.199E-08	0.000E+00
603	1	4.217E-05	-8.962E-06	-2.258E-01	1.845E-15	1.020E-04	0.000E+00
604	1	8.009E-05	-1.210E-05	-2.288E-01	1.833E-15	1.115E-04	0.000E+00
605	1	-1.244E-04	-1.239E-03	-2.768E-01	-6.653E-04	-6.767E-05	0.000E+00
606	1	-5.930E-05	-1.202E-03	-2.741E-01	-6.619E-04	-1.136E-04	0.000E+00
607	1	4.692E-05	-7.377E-04	-2.669E-01	-5.944E-04	1.306E-08	0.000E+00
608	1	1.558E-04	-1.252E-03	-2.741E-01	-6.617E-04	1.137E-04	0.000E+00
609	1	2.225E-04	-1.301E-03	-2.768E-01	-6.651E-04	6.770E-05	0.000E+00
610	1	-1.596E-04	-1.560E-03	-3.001E-01	-7.565E-04	-1.082E-04	0.000E+00
611	1	-8.243E-05	-1.948E-03	-2.969E-01	-7.319E-04	-1.411E-04	0.000E+00
612	1	5.724E-05	-7.128E-04	-2.877E-01	-6.926E-04	-1.054E-07	0.000E+00
613	1	1.974E-04	-2.014E-03	-2.969E-01	-7.310E-04	1.410E-04	0.000E+00
614	1	2.758E-04	-1.631E-03	-3.001E-01	-7.557E-04	1.082E-04	0.000E+00
615	1	-1.004E-04	-1.755E-03	-3.235E-01	-7.316E-04	-1.248E-04	0.000E+00
616	1	-2.499E-04	-1.809E-03	-3.197E-01	-7.192E-04	-1.458E-04	0.000E+00
617	1	6.997E-05	-8.554E-04	-3.100E-01	-7.066E-04	-2.562E-07	0.000E+00
618	1	3.845E-04	-1.873E-03	-3.197E-01	-7.184E-04	1.456E-04	0.000E+00
619	1	2.316E-04	-1.831E-03	-3.234E-01	-7.308E-04	1.247E-04	0.000E+00
620	1	-4.713E-11	2.830E-11	-3.201E-01	7.613E-04	-1.220E-04	0.000E+00
621	1	-4.713E-11	2.090E-11	-3.164E-01	7.489E-04	-1.456E-04	0.000E+00
622	1	-4.713E-11	-2.438E-13	-3.065E-01	7.309E-04	2.048E-15	0.000E+00
623	1	-4.713E-11	-2.139E-11	-3.164E-01	7.489E-04	1.456E-04	0.000E+00
624	1	-4.713E-11	-2.879E-11	-3.201E-01	7.613E-04	1.220E-04	0.000E+00
625	1	-3.896E-11	2.830E-11	-2.958E-01	7.847E-04	-1.061E-04	0.000E+00

626	1	-3.896E-11	2.090E-11	-2.927E-01	7.648E-04	-1.401E-04	0.000E+00
627	1	-3.896E-11	-2.438E-13	-2.835E-01	7.126E-04	2.008E-15	0.000E+00
628	1	-3.896E-11	-2.139E-11	-2.927E-01	7.648E-04	1.401E-04	0.000E+00
629	1	-3.896E-11	-2.879E-11	-2.958E-01	7.847E-04	1.061E-04	0.000E+00
630	1	-3.078E-11	2.830E-11	-2.718E-01	6.801E-04	-6.578E-05	0.000E+00
631	1	-3.078E-11	2.090E-11	-2.691E-01	6.765E-04	-1.120E-04	0.000E+00
632	1	-3.078E-11	-2.438E-13	-2.621E-01	6.088E-04	1.983E-15	0.000E+00
633	1	-3.078E-11	-2.139E-11	-2.691E-01	6.765E-04	1.120E-04	0.000E+00
634	1	-3.078E-11	-2.879E-11	-2.718E-01	6.801E-04	6.578E-05	0.000E+00
635	1	5.388E-13	2.830E-11	-2.229E-01	8.658E-16	-1.090E-04	0.000E+00
636	1	5.388E-13	2.090E-11	-2.200E-01	8.632E-16	-1.001E-04	0.000E+00
637	1	5.388E-13	-2.438E-13	-2.119E-01	8.640E-16	1.774E-15	0.000E+00
638	1	5.388E-13	-2.139E-11	-2.200E-01	1.050E-15	1.001E-04	0.000E+00
639	1	5.388E-13	-2.879E-11	-2.229E-01	1.101E-15	1.090E-04	0.000E+00
640	1	3.186E-11	2.830E-11	-2.718E-01	-6.801E-04	-6.578E-05	0.000E+00
641	1	3.186E-11	2.090E-11	-2.691E-01	-6.765E-04	-1.120E-04	0.000E+00
642	1	3.186E-11	-2.438E-13	-2.621E-01	-6.088E-04	1.687E-15	0.000E+00
643	1	3.186E-11	-2.139E-11	-2.691E-01	-6.765E-04	1.120E-04	0.000E+00
644	1	3.186E-11	-2.879E-11	-2.718E-01	-6.801E-04	6.578E-05	0.000E+00
645	1	4.003E-11	2.830E-11	-2.958E-01	-7.847E-04	-1.061E-04	0.000E+00
646	1	4.003E-11	2.090E-11	-2.927E-01	-7.648E-04	-1.401E-04	0.000E+00
647	1	4.003E-11	-2.438E-13	-2.835E-01	-7.126E-04	1.629E-15	0.000E+00
648	1	4.003E-11	-2.139E-11	-2.927E-01	-7.648E-04	1.401E-04	0.000E+00
649	1	4.003E-11	-2.879E-11	-2.958E-01	-7.847E-04	1.061E-04	0.000E+00
650	1	4.821E-11	2.830E-11	-3.201E-01	-7.613E-04	-1.220E-04	0.000E+00
651	1	4.821E-11	2.090E-11	-3.164E-01	-7.489E-04	-1.456E-04	0.000E+00
652	1	4.821E-11	-2.438E-13	-3.065E-01	-7.309E-04	1.573E-15	0.000E+00
653	1	4.821E-11	-2.139E-11	-3.164E-01	-7.489E-04	1.456E-04	0.000E+00
654	1	4.821E-11	-2.879E-11	-3.201E-01	-7.613E-04	1.220E-04	0.000E+00
655	1	-5.277E-04	2.008E-03	-3.137E-01	7.316E-04	-1.248E-04	0.000E+00
656	1	-6.772E-04	1.997E-03	-3.100E-01	7.192E-04	-1.458E-04	0.000E+00
657	1	-3.573E-04	8.554E-04	-3.003E-01	7.066E-04	-2.636E-07	0.000E+00
658	1	-4.276E-05	1.686E-03	-3.099E-01	7.184E-04	1.456E-04	0.000E+00
659	1	-1.957E-04	1.578E-03	-3.137E-01	7.308E-04	1.247E-04	0.000E+00
660	1	-5.144E-04	1.813E-03	-2.904E-01	7.565E-04	-1.082E-04	0.000E+00
661	1	-4.373E-04	2.136E-03	-2.872E-01	7.319E-04	-1.411E-04	0.000E+00
662	1	-2.976E-04	7.128E-04	-2.780E-01	6.926E-04	-1.127E-07	0.000E+00
663	1	-1.575E-04	1.827E-03	-2.872E-01	7.310E-04	1.410E-04	0.000E+00
664	1	-7.900E-05	1.378E-03	-2.904E-01	7.557E-04	1.082E-04	0.000E+00
665	1	-4.067E-04	1.492E-03	-2.671E-01	6.653E-04	-6.768E-05	0.000E+00
666	1	-3.417E-04	1.390E-03	-2.643E-01	6.619E-04	-1.136E-04	0.000E+00
667	1	-2.355E-04	7.377E-04	-2.572E-01	5.944E-04	5.705E-09	0.000E+00
668	1	-1.266E-04	1.064E-03	-2.643E-01	6.617E-04	1.136E-04	0.000E+00
669	1	-5.990E-05	1.048E-03	-2.671E-01	6.651E-04	6.770E-05	0.000E+00
670	1	-3.491E-05	2.409E-04	-2.191E-01	8.382E-16	-1.113E-04	0.000E+00
671	1	1.711E-06	1.785E-04	-2.160E-01	8.094E-16	-1.019E-04	0.000E+00
672	1	1.862E-05	-1.823E-13	-2.079E-01	7.050E-16	6.464E-08	0.000E+00
673	1	3.739E-05	-1.785E-04	-2.161E-01	6.690E-16	1.020E-04	0.000E+00
674	1	7.531E-05	-2.409E-04	-2.191E-01	6.445E-16	1.115E-04	0.000E+00
675	1	1.219E-04	-1.010E-03	-2.671E-01	-6.653E-04	-6.768E-05	0.000E+00
676	1	1.870E-04	-1.033E-03	-2.643E-01	-6.619E-04	-1.136E-04	0.000E+00
677	1	2.932E-04	-7.377E-04	-2.572E-01	-5.944E-04	5.705E-09	0.000E+00
678	1	4.020E-04	-1.421E-03	-2.643E-01	-6.617E-04	1.136E-04	0.000E+00
679	1	4.688E-04	-1.530E-03	-2.671E-01	-6.651E-04	6.770E-05	0.000E+00
680	1	1.522E-04	-1.331E-03	-2.904E-01	-7.565E-04	-1.082E-04	0.000E+00
681	1	2.294E-04	-1.779E-03	-2.872E-01	-7.319E-04	-1.411E-04	0.000E+00
682	1	3.690E-04	-7.128E-04	-2.780E-01	-6.926E-04	-1.127E-07	0.000E+00
683	1	5.092E-04	-2.184E-03	-2.872E-01	-7.310E-04	1.410E-04	0.000E+00
684	1	5.876E-04	-1.860E-03	-2.904E-01	-7.557E-04	1.082E-04	0.000E+00
685	1	2.769E-04	-1.526E-03	-3.137E-01	-7.316E-04	-1.248E-04	0.000E+00
686	1	1.274E-04	-1.640E-03	-3.100E-01	-7.192E-04	-1.458E-04	0.000E+00
687	1	4.473E-04	-8.554E-04	-3.003E-01	-7.066E-04	-2.636E-07	0.000E+00

688	1	7.618E-04	-2.043E-03	-3.099E-01	-7.184E-04	1.456E-04	0.000E+00
689	1	6.089E-04	-2.060E-03	-3.137E-01	-7.308E-04	1.247E-04	0.000E+00
690	1	-2.970E-03	1.779E-03	-3.022E-01	7.613E-04	-1.220E-04	0.000E+00
691	1	-2.970E-03	1.318E-03	-2.985E-01	7.489E-04	-1.456E-04	0.000E+00
692	1	-2.970E-03	-1.175E-12	-2.886E-01	7.309E-04	-1.293E-15	0.000E+00
693	1	-2.970E-03	-1.318E-03	-2.985E-01	7.489E-04	1.456E-04	0.000E+00
694	1	-2.970E-03	-1.779E-03	-3.022E-01	7.613E-04	1.220E-04	0.000E+00
695	1	-2.461E-03	1.779E-03	-2.779E-01	7.847E-04	-1.061E-04	0.000E+00
696	1	-2.461E-03	1.318E-03	-2.748E-01	7.648E-04	-1.401E-04	0.000E+00
697	1	-2.461E-03	-1.175E-12	-2.655E-01	7.126E-04	-1.336E-15	0.000E+00
698	1	-2.461E-03	-1.318E-03	-2.748E-01	7.648E-04	1.401E-04	0.000E+00
699	1	-2.461E-03	-1.779E-03	-2.779E-01	7.847E-04	1.061E-04	0.000E+00
700	1	-1.952E-03	1.779E-03	-2.539E-01	6.801E-04	-6.578E-05	0.000E+00
701	1	-1.952E-03	1.318E-03	-2.512E-01	6.765E-04	-1.120E-04	0.000E+00
702	1	-1.952E-03	-1.175E-12	-2.441E-01	6.088E-04	-1.379E-15	0.000E+00
703	1	-1.952E-03	-1.318E-03	-2.512E-01	6.765E-04	1.120E-04	0.000E+00
704	1	-1.952E-03	-1.779E-03	-2.539E-01	6.801E-04	6.578E-05	0.000E+00
705	1	-3.327E-13	1.779E-03	-2.050E-01	5.777E-15	-1.090E-04	0.000E+00
706	1	-3.327E-13	1.318E-03	-2.020E-01	5.768E-15	-1.001E-04	0.000E+00
707	1	-3.328E-13	-1.175E-12	-1.940E-01	5.458E-15	-1.424E-15	0.000E+00
708	1	-3.327E-13	-1.318E-03	-2.020E-01	5.937E-15	1.001E-04	0.000E+00
709	1	-3.327E-13	-1.779E-03	-2.050E-01	5.989E-15	1.090E-04	0.000E+00
710	1	1.952E-03	1.779E-03	-2.539E-01	-6.801E-04	-6.578E-05	0.000E+00
711	1	1.952E-03	1.318E-03	-2.512E-01	-6.765E-04	-1.120E-04	0.000E+00
712	1	1.952E-03	-1.175E-12	-2.441E-01	-6.088E-04	-1.664E-15	0.000E+00
713	1	1.952E-03	-1.318E-03	-2.512E-01	-6.765E-04	1.120E-04	0.000E+00
714	1	1.952E-03	-1.779E-03	-2.539E-01	-6.801E-04	6.578E-05	0.000E+00
715	1	2.461E-03	1.779E-03	-2.779E-01	-7.847E-04	-1.061E-04	0.000E+00
716	1	2.461E-03	1.318E-03	-2.748E-01	-7.648E-04	-1.401E-04	0.000E+00
717	1	2.461E-03	-1.175E-12	-2.655E-01	-7.126E-04	-1.712E-15	0.000E+00
718	1	2.461E-03	-1.318E-03	-2.748E-01	-7.648E-04	1.401E-04	0.000E+00
719	1	2.461E-03	-1.779E-03	-2.779E-01	-7.847E-04	1.061E-04	0.000E+00
720	1	2.970E-03	1.779E-03	-3.022E-01	-7.613E-04	-1.220E-04	0.000E+00
721	1	2.970E-03	1.318E-03	-2.985E-01	-7.489E-04	-1.456E-04	0.000E+00
722	1	2.970E-03	-1.175E-12	-2.886E-01	-7.309E-04	-1.769E-15	0.000E+00
723	1	2.970E-03	-1.318E-03	-2.985E-01	-7.489E-04	1.456E-04	0.000E+00
724	1	2.970E-03	-1.779E-03	-3.022E-01	-7.613E-04	1.220E-04	0.000E+00
1000	1	3.702E-02	2.980E-05	6.281E-02	-1.417E-04	3.458E-03	-2.664E-07
1001	1	3.702E-02	-2.980E-05	6.281E-02	1.417E-04	3.458E-03	2.664E-07
1002	1	3.737E-02	2.559E-05	-1.757E-01	-1.417E-04	3.458E-03	-2.664E-07
1003	1	3.737E-02	-2.559E-05	-1.757E-01	1.417E-04	3.458E-03	2.664E-07
1004	1	3.806E-02	5.356E-06	-8.088E-01	-4.145E-04	3.347E-03	-5.182E-07
1005	1	3.806E-02	-5.356E-06	-8.088E-01	4.145E-04	3.347E-03	5.182E-07
1006	1	3.949E-02	-1.617E-06	-2.271E+00	-5.409E-04	2.097E-03	-5.131E-07
1007	1	3.949E-02	1.617E-06	-2.271E+00	5.409E-04	2.097E-03	5.131E-07
1008	1	4.004E-02	1.402E-07	-2.842E+00	-6.041E-04	3.659E-05	-5.921E-07
1009	1	4.004E-02	-1.402E-07	-2.842E+00	6.041E-04	3.659E-05	5.921E-07
1010	1	3.952E-02	3.745E-07	-2.309E+00	-5.409E-04	-2.023E-03	-5.257E-07
1011	1	3.952E-02	-3.745E-07	-2.309E+00	5.409E-04	-2.023E-03	5.257E-07
1012	1	3.814E-02	-1.360E-06	-8.834E-01	-4.145E-04	-3.273E-03	-4.334E-07
1013	1	3.814E-02	1.360E-06	-8.834E-01	4.145E-04	-3.273E-03	4.334E-07
1014	1	3.746E-02	7.795E-07	-2.635E-01	-1.417E-04	-3.385E-03	-1.432E-07
1015	1	3.746E-02	-7.795E-07	-2.635E-01	1.417E-04	-3.385E-03	1.432E-07
1016	1	3.746E-02	-9.103E-06	-3.006E-02	-1.417E-04	-3.385E-03	-1.432E-07
1017	1	3.746E-02	9.103E-06	-3.006E-02	1.417E-04	-3.385E-03	1.432E-07
1018	1	-1.274E-03	5.312E-04	-2.685E-02	-1.417E-04	3.431E-03	-3.473E-07
1019	1	-1.211E-03	5.132E-04	-2.685E-02	1.417E-04	3.431E-03	-6.224E-08
1020	1	-1.274E-03	5.073E-04	-2.635E-01	-1.417E-04	3.432E-03	-3.473E-07
1021	1	-1.211E-03	5.089E-04	-2.635E-01	1.417E-04	3.432E-03	-6.224E-08
1022	1	-5.856E-04	4.725E-04	-8.918E-01	-4.145E-04	3.320E-03	-6.367E-07
1023	1	-5.233E-04	4.696E-04	-8.918E-01	4.145E-04	3.320E-03	2.272E-07
1024	1	8.273E-04	3.674E-04	-2.341E+00	-5.409E-04	2.070E-03	-7.311E-07

1025	1	8.897E-04	3.662E-04	-2.341E+00	5.409E-04	2.070E-03	3.216E-07
1026	1	1.370E-03	2.436E-04	-2.898E+00	-6.041E-04	9.998E-06	-9.197E-07
1027	1	1.432E-03	2.812E-04	-2.898E+00	6.041E-04	9.998E-06	5.102E-07
1028	1	8.373E-04	3.242E-04	-2.351E+00	-5.409E-04	-2.050E-03	9.568E-07
1029	1	8.997E-04	-8.299E-06	-2.351E+00	5.409E-04	-2.050E-03	-1.366E-06
1030	1	-5.656E-04	-4.842E-04	-9.122E-01	-4.145E-04	-3.300E-03	-1.203E-05
1031	1	-5.033E-04	5.917E-04	-9.122E-01	4.145E-04	-3.300E-03	1.162E-05
1032	1	-1.250E-03	-3.523E-03	-2.875E-01	-1.417E-04	-3.412E-03	-1.689E-05
1033	1	-1.187E-03	3.557E-03	-2.875E-01	1.417E-04	-3.412E-03	1.648E-05
1034	1	-1.591E-03	-4.675E-03	-5.223E-02	-1.417E-04	-3.411E-03	-1.689E-05
1035	1	-1.528E-03	4.680E-03	-5.223E-02	1.417E-04	-3.411E-03	1.648E-05
1036	1	9.446E-04	-4.788E-03	-5.149E-02	-1.418E-04	3.422E-03	1.654E-05
1037	1	1.007E-03	4.783E-03	-5.149E-02	1.418E-04	3.422E-03	-1.695E-05
1038	1	1.287E-03	-3.632E-03	-2.875E-01	-1.418E-04	3.422E-03	1.654E-05
1039	1	1.349E-03	3.599E-03	-2.875E-01	1.418E-04	3.422E-03	-1.695E-05
1040	1	1.973E-03	-6.003E-04	-9.141E-01	-4.146E-04	3.311E-03	1.099E-05
1041	1	2.035E-03	4.928E-04	-9.141E-01	4.146E-04	3.311E-03	-1.140E-05
1042	1	3.381E-03	1.101E-05	-2.358E+00	-5.409E-04	2.061E-03	-2.453E-06
1043	1	3.443E-03	-3.269E-04	-2.358E+00	5.409E-04	2.061E-03	2.044E-06
1044	1	3.919E-03	-2.816E-04	-2.911E+00	-6.041E-04	5.625E-07	-6.694E-07
1045	1	3.982E-03	-2.432E-04	-2.911E+00	6.041E-04	5.625E-07	2.599E-07
1046	1	3.382E-03	-3.655E-04	-2.359E+00	-5.409E-04	-2.059E-03	-7.298E-07
1047	1	3.444E-03	-3.682E-04	-2.359E+00	5.409E-04	-2.059E-03	3.203E-07
1048	1	1.974E-03	-4.723E-04	-9.152E-01	-4.145E-04	-3.309E-03	-6.396E-07
1049	1	2.036E-03	-4.698E-04	-9.152E-01	4.145E-04	-3.309E-03	2.301E-07
1050	1	1.288E-03	-5.073E-04	-2.889E-01	-1.417E-04	-3.421E-03	-3.487E-07
1051	1	1.350E-03	-5.088E-04	-2.889E-01	1.417E-04	-3.421E-03	-6.078E-08
1052	1	1.288E-03	-5.314E-04	-5.292E-02	-1.417E-04	-3.421E-03	-3.487E-07
1053	1	1.350E-03	-5.130E-04	-5.292E-02	1.417E-04	-3.421E-03	-6.078E-08
1054	1	-1.341E-03	2.050E-03	-5.280E-02	-1.417E-04	3.423E-03	-9.427E-07
1055	1	-1.098E-03	2.032E-03	-5.280E-02	1.417E-04	3.423E-03	-6.577E-07
1056	1	-1.341E-03	1.985E-03	-2.889E-01	-1.417E-04	3.423E-03	-9.427E-07
1057	1	-1.098E-03	1.986E-03	-2.889E-01	1.417E-04	3.423E-03	-6.577E-07
1058	1	-6.548E-04	1.842E-03	-9.156E-01	-4.145E-04	3.311E-03	-1.232E-06
1059	1	-4.112E-04	1.839E-03	-9.156E-01	4.145E-04	3.311E-03	-3.683E-07
1060	1	7.537E-04	1.434E-03	-2.360E+00	-5.409E-04	2.061E-03	-1.327E-06
1061	1	9.973E-04	1.433E-03	-2.360E+00	5.409E-04	2.061E-03	-2.738E-07
1062	1	1.292E-03	1.007E-03	-2.913E+00	-6.041E-04	1.172E-06	-1.515E-06
1063	1	1.536E-03	1.044E-03	-2.913E+00	6.041E-04	1.172E-06	-8.520E-08
1064	1	7.549E-04	7.836E-04	-2.361E+00	-5.409E-04	-2.059E-03	3.614E-07
1065	1	9.985E-04	4.511E-04	-2.361E+00	5.409E-04	-2.059E-03	-1.962E-06
1066	1	-6.524E-04	-3.279E-04	-9.179E-01	-4.145E-04	-3.309E-03	-1.263E-05
1067	1	-4.089E-04	7.480E-04	-9.179E-01	4.145E-04	-3.309E-03	1.103E-05
1068	1	-1.338E-03	-3.475E-03	-2.917E-01	-1.417E-04	-3.420E-03	-1.749E-05
1069	1	-1.095E-03	3.605E-03	-2.917E-01	1.417E-04	-3.420E-03	1.589E-05
1070	1	-1.680E-03	-4.667E-03	-5.578E-02	-1.417E-04	-3.420E-03	-1.749E-05
1071	1	-1.437E-03	4.687E-03	-5.578E-02	1.417E-04	-3.420E-03	1.589E-05
1072	1	8.558E-04	-4.795E-03	-5.549E-02	-1.418E-04	3.424E-03	1.595E-05
1073	1	1.099E-03	4.775E-03	-5.549E-02	1.418E-04	3.424E-03	-1.755E-05
1074	1	1.198E-03	-3.681E-03	-2.917E-01	-1.418E-04	3.424E-03	1.595E-05
1075	1	1.442E-03	3.550E-03	-2.917E-01	1.418E-04	3.424E-03	-1.755E-05
1076	1	1.885E-03	-7.566E-04	-9.187E-01	-4.146E-04	3.313E-03	1.040E-05
1077	1	2.128E-03	3.365E-04	-9.187E-01	4.146E-04	3.313E-03	-1.200E-05
1078	1	3.294E-03	-4.484E-04	-2.364E+00	-5.409E-04	2.063E-03	-3.048E-06
1079	1	3.538E-03	-7.863E-04	-2.364E+00	5.409E-04	2.063E-03	1.448E-06
1080	1	3.833E-03	-1.045E-03	-2.918E+00	-6.041E-04	2.880E-06	-1.265E-06
1081	1	4.077E-03	-1.006E-03	-2.918E+00	6.041E-04	2.880E-06	-3.355E-07
1082	1	3.297E-03	-1.432E-03	-2.367E+00	-5.409E-04	-2.057E-03	-1.325E-06
1083	1	3.541E-03	-1.435E-03	-2.367E+00	5.409E-04	-2.057E-03	-2.751E-07
1084	1	1.891E-03	-1.842E-03	-9.245E-01	-4.145E-04	-3.307E-03	-1.235E-06
1085	1	2.134E-03	-1.840E-03	-9.245E-01	4.145E-04	-3.307E-03	-3.653E-07
1086	1	1.205E-03	-1.985E-03	-2.986E-01	-1.417E-04	-3.419E-03	-9.442E-07

1087	1	1.449E-03	-1.986E-03	-2.986E-01	1.417E-04	-3.419E-03	-6.562E-07
1088	1	1.205E-03	-2.050E-03	-6.280E-02	-1.417E-04	-3.419E-03	-9.442E-07
1089	1	1.449E-03	-2.032E-03	-6.280E-02	1.417E-04	-3.419E-03	-6.562E-07
1090	1	-1.053E-03	-2.564E-03	-6.298E-02	-1.417E-04	3.416E-03	8.662E-07
1091	1	-1.360E-03	-2.582E-03	-6.298E-02	1.417E-04	3.416E-03	1.151E-06
1092	1	-1.053E-03	-2.504E-03	-2.986E-01	-1.417E-04	3.416E-03	8.662E-07
1093	1	-1.360E-03	-2.502E-03	-2.986E-01	1.417E-04	3.416E-03	1.151E-06
1094	1	-3.678E-04	-2.319E-03	-9.241E-01	-4.145E-04	3.304E-03	5.768E-07
1095	1	-6.749E-04	-2.322E-03	-9.241E-01	4.145E-04	3.304E-03	1.441E-06
1096	1	1.037E-03	-1.806E-03	-2.365E+00	-5.409E-04	2.055E-03	4.823E-07
1097	1	7.303E-04	-1.808E-03	-2.365E+00	5.409E-04	2.055E-03	1.535E-06
1098	1	1.572E-03	-1.311E-03	-2.915E+00	-6.041E-04	-5.477E-06	2.937E-07
1099	1	1.265E-03	-1.274E-03	-2.915E+00	6.041E-04	-5.477E-06	1.724E-06
1100	1	1.032E-03	-6.119E-04	-2.360E+00	-5.409E-04	-2.065E-03	2.170E-06
1101	1	7.248E-04	-9.445E-04	-2.360E+00	5.409E-04	-2.065E-03	-1.529E-07
1102	1	-3.788E-04	-8.028E-04	-9.129E-01	-4.145E-04	-3.315E-03	-1.082E-05
1103	1	-6.858E-04	2.732E-04	-9.129E-01	4.145E-04	-3.315E-03	1.284E-05
1104	1	-1.066E-03	-3.622E-03	-2.855E-01	-1.417E-04	-3.427E-03	-1.568E-05
1105	1	-1.373E-03	3.458E-03	-2.855E-01	1.417E-04	-3.427E-03	1.770E-05
1106	1	-1.409E-03	-4.690E-03	-4.908E-02	-1.417E-04	-3.427E-03	-1.568E-05
1107	1	-1.716E-03	4.665E-03	-4.908E-02	1.417E-04	-3.427E-03	1.770E-05
1108	1	1.128E-03	-4.773E-03	-4.929E-02	-1.418E-04	3.424E-03	1.776E-05
1109	1	8.211E-04	4.798E-03	-4.929E-02	1.418E-04	3.424E-03	-1.574E-05
1110	1	1.470E-03	-3.533E-03	-2.855E-01	-1.418E-04	3.424E-03	1.776E-05
1111	1	1.163E-03	3.698E-03	-2.855E-01	1.418E-04	3.424E-03	-1.574E-05
1112	1	2.157E-03	-2.817E-04	-9.123E-01	-4.146E-04	3.312E-03	1.221E-05
1113	1	1.850E-03	8.113E-04	-9.123E-01	4.146E-04	3.312E-03	-1.019E-05
1114	1	3.566E-03	9.472E-04	-2.357E+00	-5.409E-04	2.062E-03	-1.240E-06
1115	1	3.259E-03	6.092E-04	-2.357E+00	5.409E-04	2.062E-03	3.257E-06
1116	1	4.105E-03	1.273E-03	-2.911E+00	-6.041E-04	2.320E-06	5.440E-07
1117	1	3.798E-03	1.312E-03	-2.911E+00	6.041E-04	2.320E-06	1.473E-06
1118	1	3.568E-03	1.808E-03	-2.360E+00	-5.409E-04	-2.058E-03	4.836E-07
1119	1	3.261E-03	1.806E-03	-2.360E+00	5.409E-04	-2.058E-03	1.534E-06
1120	1	2.162E-03	2.319E-03	-9.171E-01	-4.145E-04	-3.308E-03	5.738E-07
1121	1	1.855E-03	2.322E-03	-9.171E-01	4.145E-04	-3.308E-03	1.444E-06
1122	1	1.476E-03	2.504E-03	-2.910E-01	-1.417E-04	-3.419E-03	8.647E-07
1123	1	1.169E-03	2.502E-03	-2.910E-01	1.417E-04	-3.419E-03	1.153E-06
1124	1	1.476E-03	2.563E-03	-5.518E-02	-1.417E-04	-3.419E-03	8.647E-07
1125	1	1.169E-03	2.582E-03	-5.518E-02	1.417E-04	-3.419E-03	1.153E-06
1126	1	-1.234E-03	6.625E-05	-5.776E-02	-1.417E-04	3.493E-03	-1.649E-07
1127	1	-1.227E-03	4.822E-05	-5.776E-02	1.417E-04	3.493E-03	1.201E-07
1128	1	-1.234E-03	5.487E-05	-2.987E-01	-1.417E-04	3.493E-03	-1.649E-07
1129	1	-1.227E-03	5.650E-05	-2.987E-01	1.417E-04	3.493E-03	1.201E-07
1130	1	-5.332E-04	5.309E-05	-9.383E-01	-4.145E-04	3.380E-03	-4.543E-07
1131	1	-5.263E-04	5.016E-05	-9.383E-01	4.145E-04	3.380E-03	4.095E-07
1132	1	9.055E-04	4.078E-05	-2.414E+00	-5.409E-04	2.107E-03	-5.488E-07
1133	1	9.123E-04	3.963E-05	-2.414E+00	5.409E-04	2.107E-03	5.039E-07
1134	1	1.456E-03	9.681E-06	-2.979E+00	-6.041E-04	-8.235E-07	-7.391E-07
1135	1	1.462E-03	4.783E-05	-2.979E+00	6.041E-04	-8.235E-07	6.942E-07
1136	1	9.046E-04	1.858E-04	-2.413E+00	-5.409E-04	-2.108E-03	1.162E-06
1137	1	9.115E-04	-1.512E-04	-2.413E+00	5.409E-04	-2.108E-03	-1.207E-06
1138	1	-5.348E-04	-5.393E-04	-9.366E-01	-4.145E-04	-3.382E-03	-1.200E-05
1139	1	-5.280E-04	5.511E-04	-9.366E-01	4.145E-04	-3.382E-03	1.196E-05
1140	1	-1.236E-03	-3.585E-03	-2.968E-01	-1.417E-04	-3.495E-03	-1.693E-05
1141	1	-1.229E-03	3.589E-03	-2.968E-01	1.417E-04	-3.495E-03	1.689E-05
1142	1	-1.585E-03	-4.739E-03	-5.567E-02	-1.417E-04	-3.495E-03	-1.693E-05
1143	1	-1.578E-03	4.740E-03	-5.567E-02	1.417E-04	-3.495E-03	1.689E-05
1144	1	9.849E-04	-4.849E-03	-5.555E-02	-1.418E-04	3.496E-03	1.695E-05
1145	1	9.917E-04	4.849E-03	-5.555E-02	1.418E-04	3.496E-03	-1.699E-05
1146	1	1.334E-03	-3.666E-03	-2.967E-01	-1.418E-04	3.497E-03	1.695E-05
1147	1	1.341E-03	3.662E-03	-2.967E-01	1.418E-04	3.497E-03	-1.699E-05
1148	1	2.036E-03	-5.597E-04	-9.369E-01	-4.146E-04	3.383E-03	1.133E-05

1149	1	2.042E-03	5.479E-04	-9.369E-01	4.146E-04	3.383E-03	-1.138E-05
1150	1	3.476E-03	1.539E-04	-2.414E+00	-5.409E-04	2.110E-03	-2.294E-06
1151	1	3.483E-03	-1.885E-04	-2.414E+00	5.409E-04	2.110E-03	2.249E-06
1152	1	4.027E-03	-4.823E-05	-2.980E+00	-6.041E-04	2.335E-06	-4.854E-07
1153	1	4.034E-03	-9.282E-06	-2.980E+00	6.041E-04	2.335E-06	4.406E-07
1154	1	3.478E-03	-3.884E-05	-2.416E+00	-5.409E-04	-2.105E-03	-5.475E-07
1155	1	3.485E-03	-4.156E-05	-2.416E+00	5.409E-04	-2.105E-03	5.026E-07
1156	1	2.040E-03	-5.288E-05	-9.417E-01	-4.145E-04	-3.379E-03	-4.573E-07
1157	1	2.047E-03	-5.037E-05	-9.417E-01	4.145E-04	-3.379E-03	4.124E-07
1158	1	1.340E-03	-5.494E-05	-3.023E-01	-1.417E-04	-3.492E-03	-1.664E-07
1159	1	1.347E-03	-5.643E-05	-3.023E-01	1.417E-04	-3.492E-03	1.215E-07
1160	1	1.340E-03	-6.643E-05	-6.148E-02	-1.417E-04	-3.492E-03	-1.664E-07
1161	1	1.347E-03	-4.804E-05	-6.148E-02	1.417E-04	-3.492E-03	1.215E-07
1162	1	-1.234E-03	3.208E-04	-5.836E-02	-1.417E-04	3.422E-03	-2.647E-07
1163	1	-1.197E-03	3.027E-04	-5.836E-02	1.417E-04	3.422E-03	2.027E-08
1164	1	-1.234E-03	3.025E-04	-2.944E-01	-1.417E-04	3.422E-03	-2.647E-07
1165	1	-1.197E-03	3.041E-04	-2.944E-01	1.417E-04	3.422E-03	2.027E-08
1166	1	-5.480E-04	2.827E-04	-9.209E-01	-4.145E-04	3.310E-03	-5.542E-07
1167	1	-5.108E-04	2.797E-04	-9.209E-01	4.145E-04	3.310E-03	3.097E-07
1168	1	8.601E-04	2.195E-04	-2.365E+00	-5.409E-04	2.060E-03	-6.486E-07
1169	1	8.973E-04	2.184E-04	-2.365E+00	5.409E-04	2.060E-03	4.041E-07
1170	1	1.398E-03	1.378E-04	-2.917E+00	-6.041E-04	3.280E-07	-8.372E-07
1171	1	1.435E-03	1.755E-04	-2.917E+00	6.041E-04	3.280E-07	5.927E-07
1172	1	8.604E-04	2.606E-04	-2.365E+00	-5.409E-04	-2.060E-03	1.039E-06
1173	1	8.976E-04	-7.196E-05	-2.365E+00	5.409E-04	-2.060E-03	-1.284E-06
1174	1	-5.473E-04	-5.059E-04	-9.216E-01	-4.145E-04	-3.310E-03	-1.195E-05
1175	1	-5.101E-04	5.701E-04	-9.216E-01	4.145E-04	-3.310E-03	1.171E-05
1176	1	-1.233E-03	-3.530E-03	-2.952E-01	-1.417E-04	-3.421E-03	-1.681E-05
1177	1	-1.196E-03	3.550E-03	-2.952E-01	1.417E-04	-3.421E-03	1.656E-05
1178	1	-1.575E-03	-4.676E-03	-5.920E-02	-1.417E-04	-3.421E-03	-1.681E-05
1179	1	-1.538E-03	4.679E-03	-5.920E-02	1.417E-04	-3.421E-03	1.656E-05
1180	1	9.613E-04	-4.787E-03	-5.941E-02	-1.418E-04	3.418E-03	1.662E-05
1181	1	9.985E-04	4.784E-03	-5.941E-02	1.418E-04	3.418E-03	-1.687E-05
1182	1	1.303E-03	-3.626E-03	-2.952E-01	-1.418E-04	3.418E-03	1.662E-05
1183	1	1.340E-03	3.606E-03	-2.952E-01	1.418E-04	3.418E-03	-1.687E-05
1184	1	1.988E-03	-5.786E-04	-9.210E-01	-4.146E-04	3.306E-03	1.108E-05
1185	1	2.026E-03	5.144E-04	-9.210E-01	4.146E-04	3.306E-03	-1.132E-05
1186	1	3.395E-03	7.467E-05	-2.363E+00	-5.409E-04	2.057E-03	-2.371E-06
1187	1	3.432E-03	-2.633E-04	-2.363E+00	5.409E-04	2.057E-03	2.126E-06
1188	1	3.931E-03	-1.759E-04	-2.914E+00	-6.041E-04	-3.484E-06	-5.869E-07
1189	1	3.968E-03	-1.374E-04	-2.914E+00	6.041E-04	-3.484E-06	3.425E-07
1190	1	3.391E-03	-2.176E-04	-2.360E+00	-5.409E-04	-2.063E-03	-6.473E-07
1191	1	3.428E-03	-2.203E-04	-2.360E+00	5.409E-04	-2.063E-03	4.028E-07
1192	1	1.981E-03	-2.825E-04	-9.139E-01	-4.145E-04	-3.313E-03	-5.571E-07
1193	1	2.019E-03	-2.799E-04	-9.139E-01	4.145E-04	-3.313E-03	3.126E-07
1194	1	1.295E-03	-3.026E-04	-2.868E-01	-1.417E-04	-3.425E-03	-2.662E-07
1195	1	1.332E-03	-3.041E-04	-2.868E-01	1.417E-04	-3.425E-03	2.174E-08
1196	1	1.295E-03	-3.209E-04	-5.057E-02	-1.417E-04	-3.425E-03	-2.662E-07
1197	1	1.332E-03	-3.026E-04	-5.057E-02	1.417E-04	-3.425E-03	2.174E-08
1198	1	-1.241E-03	2.895E-04	-5.051E-02	-1.417E-04	3.426E-03	-2.525E-07
1199	1	-1.207E-03	2.714E-04	-5.051E-02	1.417E-04	3.426E-03	3.255E-08
1200	1	-1.241E-03	2.721E-04	-2.868E-01	-1.417E-04	3.426E-03	-2.525E-07
1201	1	-1.207E-03	2.737E-04	-2.868E-01	1.417E-04	3.426E-03	3.255E-08
1202	1	-5.539E-04	2.544E-04	-9.141E-01	-4.145E-04	3.314E-03	-5.419E-07
1203	1	-5.204E-04	2.515E-04	-9.141E-01	4.145E-04	3.314E-03	3.220E-07
1204	1	8.562E-04	1.976E-04	-2.360E+00	-5.409E-04	2.064E-03	-6.363E-07
1205	1	8.897E-04	1.964E-04	-2.360E+00	5.409E-04	2.064E-03	4.164E-07
1206	1	1.396E-03	1.221E-04	-2.915E+00	-6.041E-04	4.356E-06	-8.249E-07
1207	1	1.430E-03	1.597E-04	-2.915E+00	6.041E-04	4.356E-06	6.050E-07
1208	1	8.605E-04	2.511E-04	-2.365E+00	-5.409E-04	-2.056E-03	1.052E-06
1209	1	8.940E-04	-8.143E-05	-2.365E+00	5.409E-04	-2.056E-03	-1.272E-06
1210	1	-5.452E-04	-5.091E-04	-9.229E-01	-4.145E-04	-3.306E-03	-1.194E-05

1211	1	-5.117E-04	5.669E-04	-9.229E-01	4.145E-04	-3.306E-03	1.172E-05
1212	1	-1.230E-03	-3.531E-03	-2.973E-01	-1.417E-04	-3.417E-03	-1.680E-05
1213	1	-1.197E-03	3.549E-03	-2.973E-01	1.417E-04	-3.417E-03	1.658E-05
1214	1	-1.572E-03	-4.676E-03	-6.156E-02	-1.417E-04	-3.417E-03	-1.680E-05
1215	1	-1.539E-03	4.679E-03	-6.156E-02	1.417E-04	-3.417E-03	1.658E-05
1216	1	9.641E-04	-4.787E-03	-6.138E-02	-1.418E-04	3.420E-03	1.664E-05
1217	1	9.976E-04	4.784E-03	-6.138E-02	1.418E-04	3.420E-03	-1.686E-05
1218	1	1.306E-03	-3.625E-03	-2.973E-01	-1.418E-04	3.420E-03	1.664E-05
1219	1	1.339E-03	3.607E-03	-2.973E-01	1.418E-04	3.420E-03	-1.686E-05
1220	1	1.992E-03	-5.754E-04	-9.234E-01	-4.146E-04	3.308E-03	1.109E-05
1221	1	2.025E-03	5.177E-04	-9.234E-01	4.146E-04	3.308E-03	-1.131E-05
1222	1	3.399E-03	8.414E-05	-2.366E+00	-5.409E-04	2.058E-03	-2.358E-06
1223	1	3.432E-03	-2.538E-04	-2.366E+00	5.409E-04	2.058E-03	2.138E-06
1224	1	3.936E-03	-1.601E-04	-2.918E+00	-6.041E-04	-1.759E-06	-5.746E-07
1225	1	3.969E-03	-1.217E-04	-2.918E+00	6.041E-04	-1.759E-06	3.547E-07
1226	1	3.397E-03	-1.956E-04	-2.365E+00	-5.409E-04	-2.062E-03	-6.350E-07
1227	1	3.430E-03	-1.983E-04	-2.365E+00	5.409E-04	-2.062E-03	4.151E-07
1228	1	1.988E-03	-2.542E-04	-9.198E-01	-4.145E-04	-3.312E-03	-5.448E-07
1229	1	2.022E-03	-2.517E-04	-9.198E-01	4.145E-04	-3.312E-03	3.249E-07
1230	1	1.302E-03	-2.721E-04	-2.930E-01	-1.417E-04	-3.423E-03	-2.539E-07
1231	1	1.335E-03	-2.736E-04	-2.930E-01	1.417E-04	-3.423E-03	3.401E-08
1232	1	1.302E-03	-2.896E-04	-5.692E-02	-1.417E-04	-3.423E-03	-2.539E-07
1233	1	1.335E-03	-2.713E-04	-5.692E-02	1.417E-04	-3.423E-03	3.401E-08
1234	1	-1.546E-03	5.595E-03	-5.720E-02	-1.417E-04	3.419E-03	-2.333E-06
1235	1	-8.797E-04	5.577E-03	-5.720E-02	1.417E-04	3.419E-03	-2.047E-06
1236	1	-1.546E-03	5.434E-03	-2.931E-01	-1.417E-04	3.419E-03	-2.333E-06
1237	1	-8.797E-04	5.435E-03	-2.931E-01	1.417E-04	3.419E-03	-2.047E-06
1238	1	-8.607E-04	5.040E-03	-9.191E-01	-4.145E-04	3.308E-03	-2.622E-06
1239	1	-1.941E-04	5.037E-03	-9.191E-01	4.145E-04	3.308E-03	-1.758E-06
1240	1	5.461E-04	3.924E-03	-2.362E+00	-5.409E-04	2.058E-03	-2.716E-06
1241	1	1.213E-03	3.923E-03	-2.362E+00	5.409E-04	2.058E-03	-1.664E-06
1242	1	1.083E-03	2.788E-03	-2.913E+00	-6.041E-04	-2.294E-06	-2.905E-06
1243	1	1.749E-03	2.825E-03	-2.913E+00	6.041E-04	-2.294E-06	-1.475E-06
1244	1	5.438E-04	1.856E-03	-2.359E+00	-5.409E-04	-2.062E-03	-1.028E-06
1245	1	1.210E-03	1.523E-03	-2.359E+00	5.409E-04	-2.062E-03	-3.352E-06
1246	1	-8.653E-04	3.688E-05	-9.144E-01	-4.145E-04	-3.312E-03	-1.402E-05
1247	1	-1.986E-04	1.113E-03	-9.144E-01	4.145E-04	-3.312E-03	9.637E-06
1248	1	-1.552E-03	-3.361E-03	-2.875E-01	-1.417E-04	-3.424E-03	-1.888E-05
1249	1	-8.852E-04	3.718E-03	-2.875E-01	1.417E-04	-3.424E-03	1.450E-05
1250	1	-1.894E-03	-4.650E-03	-5.138E-02	-1.417E-04	-3.424E-03	-1.888E-05
1251	1	-1.227E-03	4.705E-03	-5.138E-02	1.417E-04	-3.424E-03	1.450E-05
1252	1	6.430E-04	-4.813E-03	-5.189E-02	-1.418E-04	3.416E-03	1.456E-05
1253	1	1.310E-03	4.758E-03	-5.189E-02	1.418E-04	3.416E-03	-1.894E-05
1254	1	9.846E-04	-3.794E-03	-2.875E-01	-1.418E-04	3.416E-03	1.456E-05
1255	1	1.651E-03	3.437E-03	-2.875E-01	1.418E-04	3.416E-03	-1.894E-05
1256	1	1.670E-03	-1.121E-03	-9.131E-01	-4.146E-04	3.305E-03	9.009E-06
1257	1	2.336E-03	-2.836E-05	-9.131E-01	4.146E-04	3.305E-03	-1.339E-05
1258	1	3.075E-03	-1.521E-03	-2.354E+00	-5.409E-04	2.055E-03	-4.438E-06
1259	1	3.742E-03	-1.859E-03	-2.354E+00	5.409E-04	2.055E-03	5.829E-08
1260	1	3.610E-03	-2.826E-03	-2.904E+00	-6.041E-04	-5.172E-06	-2.655E-06
1261	1	4.277E-03	-2.787E-03	-2.904E+00	6.041E-04	-5.172E-06	-1.725E-06
1262	1	3.070E-03	-3.922E-03	-2.349E+00	-5.409E-04	-2.065E-03	-2.715E-06
1263	1	3.736E-03	-3.925E-03	-2.349E+00	5.409E-04	-2.065E-03	-1.665E-06
1264	1	1.659E-03	-5.039E-03	-9.025E-01	-4.145E-04	-3.315E-03	-2.625E-06
1265	1	2.326E-03	-5.037E-03	-9.025E-01	4.145E-04	-3.315E-03	-1.755E-06
1266	1	9.722E-04	-5.434E-03	-2.751E-01	-1.417E-04	-3.427E-03	-2.334E-06
1267	1	1.639E-03	-5.435E-03	-2.751E-01	1.417E-04	-3.427E-03	-2.046E-06
1268	1	9.722E-04	-5.595E-03	-3.876E-02	-1.417E-04	-3.427E-03	-2.334E-06
1269	1	1.639E-03	-5.576E-03	-3.876E-02	1.417E-04	-3.427E-03	-2.046E-06
1270	1	-3.706E-02	9.105E-06	-4.198E-02	-1.417E-04	3.380E-03	-1.432E-07
1271	1	-3.706E-02	-9.105E-06	-4.198E-02	1.417E-04	3.380E-03	1.432E-07
1272	1	-3.706E-02	-7.789E-07	-2.751E-01	-1.417E-04	3.380E-03	-1.432E-07

1273	1	-3.706E-02	7.789E-07	-2.751E-01	1.417E-04	3.380E-03	1.432E-07
1274	1	-3.638E-02	1.359E-06	-8.941E-01	-4.145E-04	3.269E-03	-4.334E-07
1275	1	-3.638E-02	-1.359E-06	-8.941E-01	4.145E-04	3.269E-03	4.334E-07
1276	1	-3.499E-02	-3.884E-07	-2.317E+00	-5.409E-04	2.019E-03	-5.257E-07
1277	1	-3.499E-02	3.884E-07	-2.317E+00	5.409E-04	2.019E-03	5.257E-07
1278	1	-3.447E-02	1.378E-07	-2.848E+00	-6.041E-04	-4.142E-05	-5.902E-07
1279	1	-3.447E-02	-1.378E-07	-2.848E+00	6.041E-04	-4.142E-05	5.902E-07
1280	1	-3.503E-02	-8.326E-07	-2.275E+00	-5.409E-04	-2.101E-03	-5.380E-07
1281	1	-3.503E-02	8.326E-07	-2.275E+00	5.409E-04	-2.101E-03	5.380E-07
1282	1	-3.646E-02	2.568E-06	-8.097E-01	-4.145E-04	-3.351E-03	-3.500E-07
1283	1	-3.646E-02	-2.568E-06	-8.097E-01	4.145E-04	-3.351E-03	3.500E-07
1284	1	-3.715E-02	2.669E-05	-1.757E-01	-1.417E-04	-3.463E-03	-2.215E-08
1285	1	-3.715E-02	-2.669E-05	-1.757E-01	1.417E-04	-3.463E-03	2.215E-08
1286	1	-3.750E-02	3.934E-05	6.315E-02	-1.417E-04	-3.463E-03	-2.215E-08
1287	1	-3.750E-02	-3.934E-05	6.315E-02	1.417E-04	-3.463E-03	2.215E-08

FILE: defoc002.bin							
Caso di carico: 2 - SLU VENTYOY (1.30xC1 + 1.5xC2 + 1.5xC3 +/- 1.5xC4 + 1.5C5)							
Punto	Sest.	Sx (cm)	Sy (cm)	Sz (cm)	Rx (rad)	Ry (rad)	Rz (rad)
1	1	1.066E-30	-6.055E-31	-1.509E-01	-1.455E-08	9.191E-16	0.000E+00
1	2	1.065E-30	-5.730E-31	-1.509E-01	1.455E-08	8.858E-16	0.000E+00
2	1	-1.441E-28	3.426E-16	-1.546E-01	-6.263E-04	1.633E-08	0.000E+00
2	2	1.445E-28	-3.426E-16	-1.546E-01	6.263E-04	1.633E-08	0.000E+00
3	1	-6.548E-30	-4.157E-30	-1.545E-01	-3.208E-08	5.771E-16	0.000E+00
3	2	-6.599E-30	-3.949E-30	-1.545E-01	3.208E-08	5.959E-16	0.000E+00
4	1	3.545E-29	3.426E-16	-1.552E-01	-6.665E-04	1.633E-08	0.000E+00
4	2	-3.072E-29	-3.426E-16	-1.552E-01	6.665E-04	1.633E-08	0.000E+00
5	1	-4.237E-30	3.312E-30	-1.558E-01	-3.127E-08	7.383E-17	0.000E+00
5	2	-4.110E-30	3.624E-30	-1.558E-01	3.127E-08	1.101E-16	0.000E+00
6	1	1.555E-27	3.426E-16	-1.543E-01	-6.063E-04	1.633E-08	0.000E+00
6	2	-1.563E-27	-3.426E-16	-1.543E-01	6.063E-04	1.633E-08	0.000E+00
7	1	1.787E-29	9.940E-30	-1.560E-01	-3.183E-08	1.019E-05	0.000E+00
7	2	1.782E-29	1.006E-29	-1.560E-01	3.183E-08	1.019E-05	0.000E+00
8	1	1.170E-27	3.426E-16	-1.573E-01	-6.799E-04	1.633E-08	0.000E+00
8	2	-1.176E-27	-3.426E-16	-1.573E-01	6.799E-04	1.633E-08	0.000E+00
9	1	-2.416E-29	-4.454E-30	-1.565E-01	-3.592E-08	-1.019E-05	0.000E+00
9	2	-2.413E-29	-4.458E-30	-1.565E-01	3.592E-08	-1.019E-05	0.000E+00
10	1	1.144E-28	3.426E-16	-1.557E-01	-6.999E-04	1.633E-08	0.000E+00
10	2	-1.104E-28	-3.426E-16	-1.557E-01	6.999E-04	1.633E-08	0.000E+00
11	1	-1.116E-30	-8.565E-31	-1.542E-01	-3.777E-08	-4.702E-16	0.000E+00
11	2	-1.313E-30	-1.025E-30	-1.542E-01	3.777E-08	-4.619E-16	0.000E+00
12	1	2.776E-27	3.426E-16	-1.560E-01	-7.200E-04	1.633E-08	0.000E+00
12	2	-2.790E-27	-3.426E-16	-1.560E-01	7.200E-04	1.633E-08	0.000E+00
13	1	-5.657E-31	-6.685E-32	-1.551E-01	-3.456E-08	3.901E-16	0.000E+00
13	2	-5.789E-31	-6.934E-32	-1.551E-01	3.456E-08	4.629E-16	0.000E+00
14	1	-2.683E-28	3.426E-16	-1.546E-01	-6.263E-04	1.633E-08	0.000E+00
14	2	2.752E-28	-3.426E-16	-1.546E-01	6.263E-04	1.633E-08	0.000E+00
15	1	2.568E-30	-6.326E-31	-1.526E-01	-1.474E-08	-4.614E-16	0.000E+00
15	2	2.516E-30	-5.329E-31	-1.526E-01	1.474E-08	-3.935E-16	0.000E+00
100	1	1.091E-54	3.286E-55	7.072E-02	-8.316E-05	9.363E-04	0.000E+00
100	2	-1.091E-54	-3.287E-55	3.841E-02	-1.171E-05	8.119E-04	0.000E+00
101	1	5.841E-42	2.220E-42	1.326E-04	-9.686E-05	9.684E-04	0.000E+00
101	2	-5.848E-42	-2.224E-42	-2.240E-02	-3.896E-05	8.136E-04	0.000E+00
102	1	2.495E-29	1.527E-29	-7.573E-02	-1.272E-04	1.084E-03	0.000E+00
102	2	-2.500E-29	-1.533E-29	-8.344E-02	-8.868E-05	8.229E-04	0.000E+00
103	1	-5.799E-29	-6.396E-32	-1.695E-01	-1.749E-04	1.201E-03	0.000E+00
103	2	5.799E-29	6.586E-32	-1.495E-01	-1.127E-04	8.047E-04	0.000E+00
104	1	5.040E-29	-1.001E-29	-2.050E-01	-1.764E-04	1.277E-03	0.000E+00
104	2	-5.035E-29	9.920E-30	-1.723E-01	-1.208E-04	8.054E-04	0.000E+00
105	1	3.077E-54	-2.157E-55	6.046E-02	-7.533E-05	9.310E-04	0.000E+00
105	2	-3.076E-54	2.159E-55	3.891E-02	4.272E-05	8.408E-04	0.000E+00
106	1	1.777E-41	-4.395E-43	-9.983E-03	-5.906E-05	9.726E-04	0.000E+00

106	2	-1.777E-41	4.343E-43	-2.470E-02	2.464E-05	8.624E-04	0.000E+00
107	1	1.039E-28	3.999E-30	-8.691E-02	-3.383E-05	1.118E-03	0.000E+00
107	2	-1.039E-28	-4.118E-30	-9.071E-02	2.483E-06	8.946E-04	0.000E+00
108	1	6.754E-16	8.583E-17	-1.864E-01	1.453E-05	1.373E-03	0.000E+00
108	2	-6.754E-16	-8.839E-17	-1.620E-01	-1.772E-05	7.562E-04	0.000E+00
109	1	3.246E-28	1.702E-29	-2.235E-01	4.100E-05	1.287E-03	0.000E+00
109	2	-3.246E-28	-1.753E-29	-1.838E-01	-4.269E-05	7.430E-04	0.000E+00
110	1	-1.432E-50	5.579E-51	4.947E-02	-7.369E-05	8.732E-04	0.000E+00
110	2	9.719E-49	-2.172E-49	4.952E-02	7.369E-05	8.731E-04	0.000E+00
111	1	-1.569E-45	-5.271E-42	-1.638E-02	-4.911E-05	8.858E-04	0.000E+00
111	2	2.510E-44	5.271E-42	-1.632E-02	4.911E-05	8.856E-04	0.000E+00
112	1	-6.627E-33	-2.192E-29	-8.469E-02	-6.758E-06	9.338E-04	0.000E+00
112	2	1.060E-31	2.192E-29	-8.462E-02	6.758E-06	9.335E-04	0.000E+00
113	1	-8.348E-43	-3.221E-30	-1.635E-01	1.037E-04	9.771E-04	0.000E+00
113	2	-3.728E-43	3.221E-30	-1.634E-01	-1.037E-04	9.768E-04	0.000E+00
114	1	6.627E-33	3.350E-29	-1.923E-01	1.496E-04	1.032E-03	0.000E+00
114	2	-1.060E-31	-3.350E-29	-1.922E-01	-1.496E-04	1.031E-03	0.000E+00
115	1	4.607E-37	1.649E-37	3.891E-02	-4.221E-05	8.407E-04	0.000E+00
115	2	-4.251E-35	2.245E-35	6.047E-02	7.481E-05	9.311E-04	0.000E+00
116	1	-1.777E-41	-4.402E-43	-2.470E-02	-2.402E-05	8.624E-04	0.000E+00
116	2	1.778E-41	4.455E-43	-9.981E-03	5.844E-05	9.726E-04	0.000E+00
117	1	-1.039E-28	3.983E-30	-9.071E-02	-1.639E-06	8.946E-04	0.000E+00
117	2	1.039E-28	-3.864E-30	-8.691E-02	3.298E-05	1.118E-03	0.000E+00
118	1	-6.754E-16	8.549E-17	-1.620E-01	1.913E-05	7.562E-04	0.000E+00
118	2	6.754E-16	-8.293E-17	-1.864E-01	-1.594E-05	1.373E-03	0.000E+00
119	1	-3.246E-28	1.695E-29	-1.838E-01	4.414E-05	7.431E-04	0.000E+00
119	2	3.246E-28	-1.644E-29	-2.235E-01	-4.245E-05	1.287E-03	0.000E+00
120	1	6.078E-36	-4.249E-36	3.847E-02	1.232E-05	8.117E-04	0.000E+00
120	2	-6.611E-36	4.872E-36	7.065E-02	8.255E-05	9.365E-04	0.000E+00
121	1	-1.349E-35	9.798E-36	-2.232E-02	3.962E-05	8.134E-04	0.000E+00
121	2	2.223E-35	-1.287E-35	5.160E-05	9.620E-05	9.686E-04	0.000E+00
122	1	-2.494E-29	1.526E-29	-8.334E-02	8.944E-05	8.225E-04	0.000E+00
122	2	2.489E-29	-1.519E-29	-7.583E-02	1.264E-04	1.084E-03	0.000E+00
123	1	5.799E-29	-6.370E-32	-1.494E-01	1.136E-04	8.044E-04	0.000E+00
123	2	-5.799E-29	6.179E-32	-1.696E-01	1.740E-04	1.202E-03	0.000E+00
124	1	-5.041E-29	-1.002E-29	-1.721E-01	1.218E-04	8.051E-04	0.000E+00
124	2	5.046E-29	1.012E-29	-2.051E-01	1.755E-04	1.277E-03	0.000E+00
125	1	-5.040E-29	-1.001E-29	-2.051E-01	-1.759E-04	-1.277E-03	0.000E+00
125	2	5.035E-29	9.920E-30	-1.721E-01	-1.214E-04	-8.057E-04	0.000E+00
126	1	5.799E-29	-6.398E-32	-1.697E-01	-1.744E-04	-1.201E-03	0.000E+00
126	2	-5.799E-29	6.586E-32	-1.493E-01	-1.132E-04	-8.049E-04	0.000E+00
127	1	-2.495E-29	1.527E-29	-7.592E-02	-1.268E-04	-1.084E-03	0.000E+00
127	2	2.500E-29	-1.533E-29	-8.324E-02	-8.909E-05	-8.227E-04	0.000E+00
128	1	-5.841E-42	4.956E-26	-4.505E-05	-9.645E-05	-9.686E-04	0.000E+00
128	2	5.848E-42	5.149E-26	-2.223E-02	-3.939E-05	-8.133E-04	0.000E+00
129	1	2.131E-35	5.189E-37	7.056E-02	-8.275E-05	-9.366E-04	0.000E+00
129	2	5.892E-35	-1.192E-36	3.856E-02	-1.213E-05	-8.116E-04	0.000E+00
130	1	-3.246E-28	1.703E-29	-2.236E-01	4.169E-05	-1.286E-03	0.000E+00
130	2	3.246E-28	-1.752E-29	-1.837E-01	-4.341E-05	-7.439E-04	0.000E+00
131	1	-6.754E-16	8.586E-17	-1.865E-01	1.526E-05	-1.372E-03	0.000E+00
131	2	6.754E-16	-8.838E-17	-1.619E-01	-1.848E-05	-7.571E-04	0.000E+00
132	1	-1.039E-28	4.001E-30	-8.705E-02	-3.316E-05	-1.118E-03	0.000E+00
132	2	1.039E-28	-4.118E-30	-9.057E-02	1.796E-06	-8.945E-04	0.000E+00
133	1	-1.777E-41	-4.394E-43	-1.010E-02	-5.845E-05	-9.728E-04	0.000E+00
133	2	1.777E-41	4.343E-43	-2.458E-02	2.402E-05	-8.621E-04	0.000E+00
134	1	-2.155E-34	3.369E-36	6.036E-02	-7.480E-05	-9.312E-04	0.000E+00
134	2	1.950E-34	-4.100E-36	3.901E-02	4.218E-05	-8.405E-04	0.000E+00
135	1	-7.963E-33	3.350E-29	-1.923E-01	1.503E-04	-1.032E-03	0.000E+00
135	2	1.056E-31	-3.350E-29	-1.922E-01	-1.503E-04	-1.031E-03	0.000E+00
136	1	-2.621E-43	-3.221E-30	-1.635E-01	1.045E-04	-9.771E-04	0.000E+00
136	2	-7.965E-43	3.221E-30	-1.634E-01	-1.045E-04	-9.768E-04	0.000E+00
137	1	7.963E-33	-2.192E-29	-8.469E-02	-5.793E-06	-9.338E-04	0.000E+00

137	2	-1.056E-31	2.192E-29	-8.462E-02	5.793E-06	-9.335E-04	0.000E+00
138	1	1.936E-45	-5.271E-42	-1.638E-02	-4.824E-05	-8.858E-04	0.000E+00
138	2	-2.499E-44	5.271E-42	-1.632E-02	4.824E-05	-8.856E-04	0.000E+00
139	1	2.621E-34	-4.078E-35	4.947E-02	-7.295E-05	-8.731E-04	0.000E+00
139	2	1.186E-34	-1.514E-35	4.952E-02	7.295E-05	-8.730E-04	0.000E+00
140	1	3.246E-28	1.694E-29	-1.837E-01	4.486E-05	-7.439E-04	0.000E+00
140	2	-3.246E-28	-1.645E-29	-2.236E-01	-4.314E-05	-1.286E-03	0.000E+00
141	1	6.754E-16	8.545E-17	-1.619E-01	1.990E-05	-7.572E-04	0.000E+00
141	2	-6.754E-16	-8.294E-17	-1.865E-01	-1.668E-05	-1.372E-03	0.000E+00
142	1	1.039E-28	3.982E-30	-9.057E-02	-9.489E-07	-8.945E-04	0.000E+00
142	2	-1.039E-28	-3.864E-30	-8.705E-02	3.231E-05	-1.118E-03	0.000E+00
143	1	1.778E-41	-4.403E-43	-2.458E-02	-2.340E-05	-8.621E-04	0.000E+00
143	2	-1.778E-41	4.455E-43	-1.010E-02	5.783E-05	-9.729E-04	0.000E+00
144	1	1.977E-37	-5.783E-38	3.901E-02	-4.166E-05	-8.405E-04	0.000E+00
144	2	-3.268E-37	1.692E-37	6.037E-02	7.428E-05	-9.313E-04	0.000E+00
145	1	5.041E-29	-1.003E-29	-1.720E-01	1.223E-04	-8.054E-04	0.000E+00
145	2	-5.046E-29	1.012E-29	-2.053E-01	1.750E-04	-1.277E-03	0.000E+00
146	1	-5.799E-29	-6.368E-32	-1.492E-01	1.142E-04	-8.046E-04	0.000E+00
146	2	5.799E-29	6.180E-32	-1.698E-01	1.735E-04	-1.201E-03	0.000E+00
147	1	2.494E-29	1.526E-29	-8.314E-02	8.985E-05	-8.224E-04	0.000E+00
147	2	-2.489E-29	-1.519E-29	-7.602E-02	1.260E-04	-1.085E-03	0.000E+00
148	1	5.840E-42	2.220E-42	-2.214E-02	4.005E-05	-8.131E-04	0.000E+00
148	2	-5.834E-42	-2.216E-42	-1.263E-04	9.578E-05	-9.688E-04	0.000E+00
149	1	1.169E-37	1.852E-38	3.863E-02	1.274E-05	-8.114E-04	0.000E+00
149	2	2.312E-37	3.703E-38	7.049E-02	8.214E-05	-9.367E-04	0.000E+00
200	1	-1.719E-05	2.058E-05	-2.906E-01	7.613E-04	-1.220E-04	0.000E+00
200	2	1.719E-05	-2.058E-05	-2.906E-01	7.614E-04	-1.220E-04	0.000E+00
201	1	-1.719E-05	1.792E-05	-2.869E-01	7.488E-04	-1.456E-04	0.000E+00
201	2	1.719E-05	-1.792E-05	-2.869E-01	7.489E-04	-1.456E-04	0.000E+00
202	1	-1.719E-05	1.029E-05	-2.770E-01	7.308E-04	-6.178E-09	0.000E+00
202	2	1.719E-05	-1.029E-05	-2.770E-01	7.309E-04	6.178E-09	0.000E+00
203	1	-1.719E-05	2.666E-06	-2.869E-01	7.488E-04	1.456E-04	0.000E+00
203	2	1.719E-05	-2.667E-06	-2.869E-01	7.490E-04	1.456E-04	0.000E+00
204	1	-1.719E-05	-2.210E-10	-2.906E-01	7.612E-04	1.220E-04	0.000E+00
204	2	1.719E-05	-2.194E-10	-2.906E-01	7.614E-04	1.220E-04	0.000E+00
205	1	-1.424E-05	2.058E-05	-2.663E-01	7.847E-04	-1.061E-04	0.000E+00
205	2	1.424E-05	-2.058E-05	-2.664E-01	7.848E-04	-1.060E-04	0.000E+00
206	1	-1.424E-05	1.792E-05	-2.632E-01	7.648E-04	-1.401E-04	0.000E+00
206	2	1.424E-05	-1.792E-05	-2.632E-01	7.649E-04	-1.401E-04	0.000E+00
207	1	-1.424E-05	1.029E-05	-2.540E-01	7.125E-04	-5.108E-09	0.000E+00
207	2	1.424E-05	-1.029E-05	-2.540E-01	7.127E-04	5.108E-09	0.000E+00
208	1	-1.424E-05	2.666E-06	-2.632E-01	7.648E-04	1.401E-04	0.000E+00
208	2	1.424E-05	-2.667E-06	-2.632E-01	7.649E-04	1.401E-04	0.000E+00
209	1	-1.424E-05	-2.210E-10	-2.663E-01	7.846E-04	1.060E-04	0.000E+00
209	2	1.424E-05	-2.194E-10	-2.664E-01	7.848E-04	1.061E-04	0.000E+00
210	1	-1.129E-05	2.058E-05	-2.423E-01	6.800E-04	-6.578E-05	0.000E+00
210	2	1.129E-05	-2.058E-05	-2.423E-01	6.802E-04	-6.578E-05	0.000E+00
211	1	-1.129E-05	1.792E-05	-2.396E-01	6.764E-04	-1.120E-04	0.000E+00
211	2	1.129E-05	-1.792E-05	-2.396E-01	6.766E-04	-1.120E-04	0.000E+00
212	1	-1.129E-05	1.029E-05	-2.325E-01	6.087E-04	-3.958E-09	0.000E+00
212	2	1.129E-05	-1.029E-05	-2.326E-01	6.089E-04	3.958E-09	0.000E+00
213	1	-1.129E-05	2.666E-06	-2.396E-01	6.764E-04	1.120E-04	0.000E+00
213	2	1.129E-05	-2.667E-06	-2.396E-01	6.766E-04	1.120E-04	0.000E+00
214	1	-1.129E-05	-2.210E-10	-2.423E-01	6.800E-04	6.577E-05	0.000E+00
214	2	1.129E-05	-2.194E-10	-2.423E-01	6.802E-04	6.578E-05	0.000E+00
215	1	4.761E-13	2.058E-05	-1.934E-01	-6.291E-08	-1.090E-04	0.000E+00
215	2	4.588E-13	-2.058E-05	-1.934E-01	6.291E-08	-1.090E-04	0.000E+00
216	1	4.761E-13	1.792E-05	-1.905E-01	-6.323E-08	-1.001E-04	0.000E+00
216	2	4.588E-13	-1.792E-05	-1.905E-01	6.323E-08	-1.001E-04	0.000E+00
217	1	4.761E-13	1.029E-05	-1.824E-01	-6.030E-08	2.543E-15	0.000E+00
217	2	4.588E-13	-1.029E-05	-1.824E-01	6.030E-08	2.450E-15	0.000E+00
218	1	4.761E-13	2.666E-06	-1.905E-01	-6.812E-08	1.001E-04	0.000E+00

218	2	4.588E-13	-2.667E-06	-1.905E-01	6.812E-08	1.001E-04	0.000E+00
219	1	4.761E-13	-2.210E-10	-1.934E-01	-6.927E-08	1.090E-04	0.000E+00
219	2	4.588E-13	-2.194E-10	-1.934E-01	6.927E-08	1.090E-04	0.000E+00
220	1	1.129E-05	2.058E-05	-2.423E-01	-6.802E-04	-6.578E-05	0.000E+00
220	2	-1.129E-05	-2.058E-05	-2.423E-01	-6.800E-04	-6.578E-05	0.000E+00
221	1	1.129E-05	1.792E-05	-2.396E-01	-6.766E-04	-1.120E-04	0.000E+00
221	2	-1.129E-05	-1.792E-05	-2.396E-01	-6.764E-04	-1.120E-04	0.000E+00
222	1	1.129E-05	1.029E-05	-2.326E-01	-6.089E-04	3.958E-09	0.000E+00
222	2	-1.129E-05	-1.029E-05	-2.325E-01	-6.087E-04	-3.958E-09	0.000E+00
223	1	1.129E-05	2.666E-06	-2.396E-01	-6.766E-04	1.120E-04	0.000E+00
223	2	-1.129E-05	-2.667E-06	-2.396E-01	-6.764E-04	1.120E-04	0.000E+00
224	1	1.129E-05	-2.210E-10	-2.423E-01	-6.802E-04	6.578E-05	0.000E+00
224	2	-1.129E-05	-2.194E-10	-2.423E-01	-6.800E-04	6.577E-05	0.000E+00
225	1	1.424E-05	2.058E-05	-2.664E-01	-7.848E-04	-1.060E-04	0.000E+00
225	2	-1.424E-05	-2.058E-05	-2.663E-01	-7.847E-04	-1.061E-04	0.000E+00
226	1	1.424E-05	1.792E-05	-2.632E-01	-7.649E-04	-1.401E-04	0.000E+00
226	2	-1.424E-05	-1.792E-05	-2.632E-01	-7.648E-04	-1.401E-04	0.000E+00
227	1	1.424E-05	1.029E-05	-2.540E-01	-7.127E-04	5.108E-09	0.000E+00
227	2	-1.424E-05	-1.029E-05	-2.540E-01	-7.125E-04	-5.108E-09	0.000E+00
228	1	1.424E-05	2.666E-06	-2.632E-01	-7.649E-04	1.401E-04	0.000E+00
228	2	-1.424E-05	-2.667E-06	-2.632E-01	-7.648E-04	1.401E-04	0.000E+00
229	1	1.424E-05	-2.210E-10	-2.664E-01	-7.848E-04	1.061E-04	0.000E+00
229	2	-1.424E-05	-2.194E-10	-2.663E-01	-7.846E-04	1.060E-04	0.000E+00
230	1	1.719E-05	2.058E-05	-2.906E-01	-7.614E-04	-1.220E-04	0.000E+00
230	2	-1.719E-05	-2.058E-05	-2.906E-01	-7.613E-04	-1.220E-04	0.000E+00
231	1	1.719E-05	1.792E-05	-2.869E-01	-7.489E-04	-1.456E-04	0.000E+00
231	2	-1.719E-05	-1.792E-05	-2.869E-01	-7.488E-04	-1.456E-04	0.000E+00
232	1	1.719E-05	1.029E-05	-2.770E-01	-7.309E-04	6.178E-09	0.000E+00
232	2	-1.719E-05	-1.029E-05	-2.770E-01	-7.308E-04	-6.178E-09	0.000E+00
233	1	1.719E-05	2.666E-06	-2.869E-01	-7.490E-04	1.456E-04	0.000E+00
233	2	-1.719E-05	-2.667E-06	-2.869E-01	-7.488E-04	1.456E-04	0.000E+00
234	1	1.719E-05	-2.210E-10	-2.906E-01	-7.614E-04	1.220E-04	0.000E+00
234	2	-1.719E-05	-2.194E-10	-2.906E-01	-7.612E-04	1.220E-04	0.000E+00
235	1	-2.824E-01	9.854E-01	1.071E-01	-1.579E-03	-1.795E-04	0.000E+00
235	2	2.820E-01	-9.818E-01	-7.346E-01	3.042E-03	-7.003E-05	0.000E+00
236	1	-2.819E-01	9.425E-01	1.125E-01	-1.593E-03	-2.038E-04	0.000E+00
236	2	2.813E-01	-9.388E-01	-7.324E-01	3.031E-03	-8.781E-05	0.000E+00
237	1	-2.762E-01	8.178E-01	1.241E-01	-1.615E-03	-4.576E-07	0.000E+00
237	2	2.762E-01	-8.161E-01	-7.247E-01	3.028E-03	-6.952E-08	0.000E+00
238	1	-2.704E-01	6.974E-01	1.125E-01	-1.594E-03	2.043E-04	0.000E+00
238	2	2.711E-01	-6.937E-01	-7.324E-01	3.031E-03	8.683E-05	0.000E+00
239	1	-2.700E-01	6.546E-01	1.072E-01	-1.580E-03	1.802E-04	0.000E+00
239	2	2.703E-01	-6.511E-01	-7.345E-01	3.042E-03	6.919E-05	0.000E+00
240	1	-2.347E-01	9.858E-01	5.784E-02	-1.539E-03	-1.553E-04	0.000E+00
240	2	2.343E-01	-9.826E-01	-6.386E-01	3.052E-03	-6.109E-05	0.000E+00
241	1	-2.355E-01	9.424E-01	6.241E-02	-1.581E-03	-2.045E-04	0.000E+00
241	2	2.352E-01	-9.385E-01	-6.368E-01	3.045E-03	-7.768E-05	0.000E+00
242	1	-2.288E-01	8.170E-01	7.328E-02	-1.628E-03	-1.642E-07	0.000E+00
242	2	2.288E-01	-8.156E-01	-6.293E-01	3.013E-03	-6.125E-08	0.000E+00
243	1	-2.222E-01	6.974E-01	6.243E-02	-1.582E-03	2.055E-04	0.000E+00
243	2	2.225E-01	-6.934E-01	-6.368E-01	3.044E-03	7.654E-05	0.000E+00
244	1	-2.229E-01	6.550E-01	5.783E-02	-1.539E-03	1.560E-04	0.000E+00
244	2	2.234E-01	-6.518E-01	-6.386E-01	3.051E-03	6.036E-05	0.000E+00
245	1	-1.844E-01	9.853E-01	9.151E-03	-1.626E-03	-9.823E-05	0.000E+00
245	2	1.840E-01	-9.827E-01	-5.433E-01	2.957E-03	-3.713E-05	0.000E+00
246	1	-1.840E-01	9.412E-01	1.277E-02	-1.639E-03	-1.438E-04	0.000E+00
246	2	1.838E-01	-9.388E-01	-5.415E-01	2.963E-03	-8.347E-05	0.000E+00
247	1	-1.815E-01	8.167E-01	2.122E-02	-1.721E-03	-7.451E-08	0.000E+00
247	2	1.815E-01	-8.152E-01	-5.356E-01	2.909E-03	8.592E-08	0.000E+00
248	1	-1.789E-01	6.962E-01	1.277E-02	-1.640E-03	1.442E-04	0.000E+00
248	2	1.791E-01	-6.937E-01	-5.415E-01	2.963E-03	8.311E-05	0.000E+00
249	1	-1.786E-01	6.545E-01	9.137E-03	-1.626E-03	9.865E-05	0.000E+00

249	2	1.789E-01	-6.520E-01	-5.432E-01	2.956E-03	3.674E-05	0.000E+00
250	1	-3.572E-05	9.829E-01	-2.191E-01	-2.286E-03	-1.114E-04	0.000E+00
250	2	-3.410E-05	-9.829E-01	-2.191E-01	2.286E-03	-1.113E-04	0.000E+00
251	1	1.449E-06	9.395E-01	-2.160E-01	-2.294E-03	-1.019E-04	0.000E+00
251	2	1.972E-06	-9.394E-01	-2.160E-01	2.294E-03	-1.018E-04	0.000E+00
252	1	1.862E-05	8.151E-01	-2.079E-01	-2.301E-03	6.464E-08	0.000E+00
252	2	1.862E-05	-8.151E-01	-2.079E-01	2.301E-03	6.464E-08	0.000E+00
253	1	3.765E-05	6.944E-01	-2.161E-01	-2.294E-03	1.020E-04	0.000E+00
253	2	3.713E-05	-6.944E-01	-2.160E-01	2.294E-03	1.019E-04	0.000E+00
254	1	7.611E-05	6.521E-01	-2.191E-01	-2.285E-03	1.115E-04	0.000E+00
254	2	7.451E-05	-6.522E-01	-2.191E-01	2.285E-03	1.114E-04	0.000E+00
255	1	1.841E-01	9.827E-01	-5.432E-01	-2.956E-03	-3.718E-05	0.000E+00
255	2	-1.843E-01	-9.852E-01	9.128E-03	1.626E-03	-9.817E-05	0.000E+00
256	1	1.839E-01	9.388E-01	-5.414E-01	-2.963E-03	-8.351E-05	0.000E+00
256	2	-1.840E-01	-9.412E-01	1.275E-02	1.639E-03	-1.437E-04	0.000E+00
257	1	1.815E-01	8.152E-01	-5.355E-01	-2.909E-03	8.500E-08	0.000E+00
257	2	-1.814E-01	-8.166E-01	2.119E-02	1.720E-03	-7.359E-08	0.000E+00
258	1	1.792E-01	6.937E-01	-5.414E-01	-2.963E-03	8.316E-05	0.000E+00
258	2	-1.788E-01	-6.962E-01	1.275E-02	1.639E-03	1.441E-04	0.000E+00
259	1	1.790E-01	6.519E-01	-5.432E-01	-2.956E-03	3.679E-05	0.000E+00
259	2	-1.785E-01	-6.545E-01	9.114E-03	1.626E-03	9.860E-05	0.000E+00
260	1	2.343E-01	9.826E-01	-6.386E-01	-3.051E-03	-6.115E-05	0.000E+00
260	2	-2.346E-01	-9.857E-01	5.779E-02	1.538E-03	-1.552E-04	0.000E+00
261	1	2.352E-01	9.385E-01	-6.368E-01	-3.044E-03	-7.771E-05	0.000E+00
261	2	-2.354E-01	-9.424E-01	6.236E-02	1.580E-03	-2.045E-04	0.000E+00
262	1	2.289E-01	8.156E-01	-6.292E-01	-3.013E-03	-6.383E-08	0.000E+00
262	2	-2.288E-01	-8.170E-01	7.324E-02	1.628E-03	-1.616E-07	0.000E+00
263	1	2.225E-01	6.933E-01	-6.367E-01	-3.043E-03	7.656E-05	0.000E+00
263	2	-2.221E-01	-6.974E-01	6.238E-02	1.581E-03	2.054E-04	0.000E+00
264	1	2.235E-01	6.517E-01	-6.385E-01	-3.050E-03	6.042E-05	0.000E+00
264	2	-2.229E-01	-6.550E-01	5.779E-02	1.539E-03	1.559E-04	0.000E+00
265	1	2.821E-01	9.818E-01	-7.345E-01	-3.041E-03	-7.011E-05	0.000E+00
265	2	-2.823E-01	-9.853E-01	1.071E-01	1.578E-03	-1.794E-04	0.000E+00
266	1	2.814E-01	9.388E-01	-7.324E-01	-3.030E-03	-8.781E-05	0.000E+00
266	2	-2.818E-01	-9.424E-01	1.124E-01	1.592E-03	-2.038E-04	0.000E+00
267	1	2.763E-01	8.161E-01	-7.246E-01	-3.028E-03	-7.422E-08	0.000E+00
267	2	-2.761E-01	-8.178E-01	1.241E-01	1.614E-03	-4.530E-07	0.000E+00
268	1	2.712E-01	6.937E-01	-7.323E-01	-3.030E-03	8.682E-05	0.000E+00
268	2	-2.704E-01	-6.974E-01	1.125E-01	1.593E-03	2.043E-04	0.000E+00
269	1	2.704E-01	6.510E-01	-7.345E-01	-3.041E-03	6.926E-05	0.000E+00
269	2	-2.699E-01	-6.546E-01	1.071E-01	1.579E-03	1.802E-04	0.000E+00
270	1	-4.948E-02	2.968E-02	-3.159E-01	7.611E-04	-1.220E-04	0.000E+00
270	2	-4.931E-02	2.947E-02	-3.160E-01	7.615E-04	-1.220E-04	0.000E+00
271	1	-4.948E-02	2.201E-02	-3.122E-01	7.487E-04	-1.456E-04	0.000E+00
271	2	-4.931E-02	2.182E-02	-3.123E-01	7.491E-04	-1.456E-04	0.000E+00
272	1	-4.948E-02	5.355E-05	-3.023E-01	7.306E-04	-6.476E-10	0.000E+00
272	2	-4.931E-02	-5.355E-05	-3.024E-01	7.311E-04	6.476E-10	0.000E+00
273	1	-4.948E-02	-2.190E-02	-3.122E-01	7.487E-04	1.456E-04	0.000E+00
273	2	-4.931E-02	-2.193E-02	-3.123E-01	7.491E-04	1.456E-04	0.000E+00
274	1	-4.948E-02	-2.958E-02	-3.159E-01	7.611E-04	1.220E-04	0.000E+00
274	2	-4.931E-02	-2.958E-02	-3.160E-01	7.615E-04	1.220E-04	0.000E+00
275	1	-4.100E-02	2.968E-02	-2.917E-01	7.845E-04	-1.060E-04	0.000E+00
275	2	-4.085E-02	2.947E-02	-2.917E-01	7.849E-04	-1.061E-04	0.000E+00
276	1	-4.100E-02	2.201E-02	-2.885E-01	7.646E-04	-1.401E-04	0.000E+00
276	2	-4.085E-02	2.182E-02	-2.886E-01	7.651E-04	-1.401E-04	0.000E+00
277	1	-4.100E-02	5.355E-05	-2.793E-01	7.124E-04	-5.355E-10	0.000E+00
277	2	-4.085E-02	-5.355E-05	-2.793E-01	7.128E-04	5.355E-10	0.000E+00
278	1	-4.100E-02	-2.190E-02	-2.885E-01	7.646E-04	1.401E-04	0.000E+00
278	2	-4.085E-02	-2.193E-02	-2.886E-01	7.651E-04	1.401E-04	0.000E+00
279	1	-4.100E-02	-2.958E-02	-2.917E-01	7.845E-04	1.060E-04	0.000E+00
279	2	-4.085E-02	-2.958E-02	-2.917E-01	7.849E-04	1.061E-04	0.000E+00
280	1	-3.251E-02	2.968E-02	-2.676E-01	6.799E-04	-6.577E-05	0.000E+00

280	2	-3.240E-02	2.947E-02	-2.677E-01	6.803E-04	-6.578E-05	0.000E+00
281	1	-3.251E-02	2.201E-02	-2.649E-01	6.763E-04	-1.120E-04	0.000E+00
281	2	-3.240E-02	2.182E-02	-2.650E-01	6.767E-04	-1.120E-04	0.000E+00
282	1	-3.251E-02	5.355E-05	-2.579E-01	6.086E-04	-4.149E-10	0.000E+00
282	2	-3.240E-02	-5.355E-05	-2.579E-01	6.090E-04	4.149E-10	0.000E+00
283	1	-3.251E-02	-2.190E-02	-2.649E-01	6.763E-04	1.120E-04	0.000E+00
283	2	-3.240E-02	-2.193E-02	-2.650E-01	6.767E-04	1.120E-04	0.000E+00
284	1	-3.251E-02	-2.958E-02	-2.676E-01	6.799E-04	6.577E-05	0.000E+00
284	2	-3.240E-02	-2.958E-02	-2.677E-01	6.803E-04	6.578E-05	0.000E+00
285	1	6.625E-13	2.968E-02	-2.188E-01	-2.132E-07	-1.090E-04	0.000E+00
285	2	6.839E-13	2.947E-02	-2.188E-01	2.132E-07	-1.090E-04	0.000E+00
286	1	6.625E-13	2.201E-02	-2.158E-01	-2.124E-07	-1.001E-04	0.000E+00
286	2	6.839E-13	2.182E-02	-2.158E-01	2.124E-07	-1.001E-04	0.000E+00
287	1	6.625E-13	5.355E-05	-2.078E-01	-2.008E-07	2.315E-15	0.000E+00
287	2	6.839E-13	-5.355E-05	-2.078E-01	2.008E-07	2.390E-15	0.000E+00
288	1	6.625E-13	-2.190E-02	-2.158E-01	-2.129E-07	1.001E-04	0.000E+00
288	2	6.839E-13	-2.193E-02	-2.158E-01	2.129E-07	1.001E-04	0.000E+00
289	1	6.625E-13	-2.958E-02	-2.188E-01	-2.138E-07	1.090E-04	0.000E+00
289	2	6.839E-13	-2.958E-02	-2.188E-01	2.138E-07	1.090E-04	0.000E+00
290	1	3.251E-02	2.968E-02	-2.677E-01	-6.803E-04	-6.578E-05	0.000E+00
290	2	3.240E-02	2.947E-02	-2.676E-01	-6.799E-04	-6.577E-05	0.000E+00
291	1	3.251E-02	2.201E-02	-2.650E-01	-6.767E-04	-1.120E-04	0.000E+00
291	2	3.240E-02	2.182E-02	-2.649E-01	-6.763E-04	-1.120E-04	0.000E+00
292	1	3.251E-02	5.355E-05	-2.579E-01	-6.090E-04	4.149E-10	0.000E+00
292	2	3.240E-02	-5.355E-05	-2.579E-01	-6.086E-04	-4.149E-10	0.000E+00
293	1	3.251E-02	-2.190E-02	-2.650E-01	-6.767E-04	1.120E-04	0.000E+00
293	2	3.240E-02	-2.193E-02	-2.649E-01	-6.763E-04	1.120E-04	0.000E+00
294	1	3.251E-02	-2.958E-02	-2.677E-01	-6.803E-04	6.578E-05	0.000E+00
294	2	3.240E-02	-2.958E-02	-2.676E-01	-6.799E-04	6.577E-05	0.000E+00
295	1	4.100E-02	2.968E-02	-2.917E-01	-7.849E-04	-1.061E-04	0.000E+00
295	2	4.085E-02	2.947E-02	-2.917E-01	-7.845E-04	-1.060E-04	0.000E+00
296	1	4.100E-02	2.201E-02	-2.886E-01	-7.651E-04	-1.401E-04	0.000E+00
296	2	4.085E-02	2.182E-02	-2.885E-01	-7.646E-04	-1.401E-04	0.000E+00
297	1	4.100E-02	5.355E-05	-2.793E-01	-7.128E-04	5.355E-10	0.000E+00
297	2	4.085E-02	-5.355E-05	-2.793E-01	-7.124E-04	-5.355E-10	0.000E+00
298	1	4.100E-02	-2.190E-02	-2.886E-01	-7.651E-04	1.401E-04	0.000E+00
298	2	4.085E-02	-2.193E-02	-2.885E-01	-7.646E-04	1.401E-04	0.000E+00
299	1	4.100E-02	-2.958E-02	-2.917E-01	-7.849E-04	1.061E-04	0.000E+00
299	2	4.085E-02	-2.958E-02	-2.917E-01	-7.845E-04	1.060E-04	0.000E+00
300	1	4.948E-02	2.968E-02	-3.160E-01	-7.615E-04	-1.220E-04	0.000E+00
300	2	4.931E-02	2.947E-02	-3.159E-01	-7.611E-04	-1.220E-04	0.000E+00
301	1	4.948E-02	2.201E-02	-3.123E-01	-7.491E-04	-1.456E-04	0.000E+00
301	2	4.931E-02	2.182E-02	-3.122E-01	-7.487E-04	-1.456E-04	0.000E+00
302	1	4.948E-02	5.355E-05	-3.024E-01	-7.311E-04	6.476E-10	0.000E+00
302	2	4.931E-02	-5.355E-05	-3.023E-01	-7.306E-04	-6.476E-10	0.000E+00
303	1	4.948E-02	-2.190E-02	-3.123E-01	-7.491E-04	1.456E-04	0.000E+00
303	2	4.931E-02	-2.193E-02	-3.122E-01	-7.487E-04	1.456E-04	0.000E+00
304	1	4.948E-02	-2.958E-02	-3.160E-01	-7.615E-04	1.220E-04	0.000E+00
304	2	4.931E-02	-2.958E-02	-3.159E-01	-7.611E-04	1.220E-04	0.000E+00
305	1	-8.027E-02	1.009E+00	1.511E-01	-1.841E-03	-1.795E-04	0.000E+00
305	2	7.973E-02	-1.006E+00	-7.869E-01	3.304E-03	-7.003E-05	0.000E+00
306	1	-7.983E-02	9.978E-01	1.564E-01	-1.855E-03	-2.038E-04	0.000E+00
306	2	7.899E-02	-9.940E-01	-7.847E-01	3.293E-03	-8.781E-05	0.000E+00
307	1	-7.408E-02	9.627E-01	1.681E-01	-1.877E-03	-4.545E-07	0.000E+00
307	2	7.388E-02	-9.610E-01	-7.769E-01	3.290E-03	-6.638E-08	0.000E+00
308	1	-6.834E-02	9.320E-01	1.565E-01	-1.856E-03	2.043E-04	0.000E+00
308	2	6.877E-02	-9.284E-01	-7.847E-01	3.293E-03	8.683E-05	0.000E+00
309	1	-6.790E-02	9.206E-01	1.511E-01	-1.842E-03	1.802E-04	0.000E+00
309	2	6.802E-02	-9.171E-01	-7.868E-01	3.304E-03	6.919E-05	0.000E+00
310	1	-6.726E-02	1.010E+00	9.353E-02	-1.800E-03	-1.553E-04	0.000E+00
310	2	6.665E-02	-1.006E+00	-6.826E-01	3.313E-03	-6.108E-05	0.000E+00
311	1	-6.802E-02	9.977E-01	9.810E-02	-1.843E-03	-2.045E-04	0.000E+00

311	2	6.757E-02	-9.937E-01	-6.808E-01	3.306E-03	-7.768E-05	0.000E+00
312	1	-6.138E-02	9.619E-01	1.090E-01	-1.890E-03	-1.610E-07	0.000E+00
312	2	6.121E-02	-9.605E-01	-6.733E-01	3.275E-03	-5.811E-08	0.000E+00
313	1	-5.474E-02	9.320E-01	9.812E-02	-1.844E-03	2.055E-04	0.000E+00
313	2	5.485E-02	-9.281E-01	-6.808E-01	3.306E-03	7.654E-05	0.000E+00
314	1	-5.550E-02	9.210E-01	9.352E-02	-1.801E-03	1.560E-04	0.000E+00
314	2	5.577E-02	-9.179E-01	-6.826E-01	3.313E-03	6.036E-05	0.000E+00
315	1	-5.158E-02	1.009E+00	3.659E-02	-1.888E-03	-9.822E-05	0.000E+00
315	2	5.110E-02	-1.007E+00	-5.790E-01	3.219E-03	-3.713E-05	0.000E+00
316	1	-5.124E-02	9.965E-01	4.021E-02	-1.901E-03	-1.438E-04	0.000E+00
316	2	5.090E-02	-9.940E-01	-5.772E-01	3.225E-03	-8.347E-05	0.000E+00
317	1	-4.868E-02	9.616E-01	4.866E-02	-1.983E-03	-7.135E-08	0.000E+00
317	2	4.854E-02	-9.601E-01	-5.713E-01	3.171E-03	8.906E-08	0.000E+00
318	1	-4.611E-02	9.308E-01	4.021E-02	-1.901E-03	1.442E-04	0.000E+00
318	2	4.619E-02	-9.284E-01	-5.772E-01	3.225E-03	8.312E-05	0.000E+00
319	1	-4.577E-02	9.204E-01	3.658E-02	-1.888E-03	9.865E-05	0.000E+00
319	2	4.599E-02	-9.180E-01	-5.790E-01	3.218E-03	3.674E-05	0.000E+00
320	1	-3.373E-05	1.007E+00	-2.232E-01	-2.547E-03	-1.114E-04	0.000E+00
320	2	-3.212E-05	-1.007E+00	-2.232E-01	2.547E-03	-1.113E-04	0.000E+00
321	1	3.435E-06	9.948E-01	-2.202E-01	-2.555E-03	-1.019E-04	0.000E+00
321	2	3.959E-06	-9.946E-01	-2.202E-01	2.555E-03	-1.018E-04	0.000E+00
322	1	2.061E-05	9.600E-01	-2.121E-01	-2.563E-03	6.779E-08	0.000E+00
322	2	2.061E-05	-9.600E-01	-2.121E-01	2.563E-03	6.779E-08	0.000E+00
323	1	3.964E-05	9.290E-01	-2.202E-01	-2.555E-03	1.020E-04	0.000E+00
323	2	3.912E-05	-9.291E-01	-2.202E-01	2.555E-03	1.019E-04	0.000E+00
324	1	7.810E-05	9.181E-01	-2.233E-01	-2.547E-03	1.115E-04	0.000E+00
324	2	7.650E-05	-9.182E-01	-2.233E-01	2.547E-03	1.114E-04	0.000E+00
325	1	5.129E-02	1.007E+00	-5.790E-01	-3.218E-03	-3.718E-05	0.000E+00
325	2	-5.138E-02	-1.009E+00	3.657E-02	1.887E-03	-9.817E-05	0.000E+00
326	1	5.109E-02	9.941E-01	-5.772E-01	-3.224E-03	-8.351E-05	0.000E+00
326	2	-5.105E-02	-9.964E-01	4.019E-02	1.901E-03	-1.437E-04	0.000E+00
327	1	4.874E-02	9.601E-01	-5.713E-01	-3.171E-03	8.815E-08	0.000E+00
327	2	-4.848E-02	-9.616E-01	4.863E-02	1.982E-03	-7.044E-08	0.000E+00
328	1	4.639E-02	9.283E-01	-5.772E-01	-3.224E-03	8.316E-05	0.000E+00
328	2	-4.592E-02	-9.309E-01	4.019E-02	1.901E-03	1.441E-04	0.000E+00
329	1	4.619E-02	9.178E-01	-5.790E-01	-3.218E-03	3.680E-05	0.000E+00
329	2	-4.558E-02	-9.206E-01	3.656E-02	1.888E-03	9.860E-05	0.000E+00
330	1	6.689E-02	1.007E+00	-6.826E-01	-3.313E-03	-6.114E-05	0.000E+00
330	2	-6.701E-02	-1.009E+00	9.348E-02	1.800E-03	-1.552E-04	0.000E+00
331	1	6.781E-02	9.938E-01	-6.808E-01	-3.305E-03	-7.770E-05	0.000E+00
331	2	-6.777E-02	-9.975E-01	9.805E-02	1.842E-03	-2.045E-04	0.000E+00
332	1	6.146E-02	9.605E-01	-6.732E-01	-3.275E-03	-6.068E-08	0.000E+00
332	2	-6.114E-02	-9.619E-01	1.089E-01	1.889E-03	-1.584E-07	0.000E+00
333	1	5.510E-02	9.279E-01	-6.808E-01	-3.305E-03	7.656E-05	0.000E+00
333	2	-5.450E-02	-9.321E-01	9.807E-02	1.843E-03	2.054E-04	0.000E+00
334	1	5.602E-02	9.177E-01	-6.826E-01	-3.312E-03	6.042E-05	0.000E+00
334	2	-5.527E-02	-9.211E-01	9.348E-02	1.800E-03	1.559E-04	0.000E+00
335	1	8.002E-02	1.006E+00	-7.868E-01	-3.303E-03	-7.011E-05	0.000E+00
335	2	-7.997E-02	-1.009E+00	1.510E-01	1.840E-03	-1.794E-04	0.000E+00
336	1	7.927E-02	9.941E-01	-7.846E-01	-3.292E-03	-8.781E-05	0.000E+00
336	2	-7.953E-02	-9.976E-01	1.564E-01	1.854E-03	-2.038E-04	0.000E+00
337	1	7.418E-02	9.610E-01	-7.769E-01	-3.290E-03	-7.107E-08	0.000E+00
337	2	-7.379E-02	-9.627E-01	1.680E-01	1.876E-03	-4.498E-07	0.000E+00
338	1	6.907E-02	9.283E-01	-7.846E-01	-3.292E-03	8.683E-05	0.000E+00
338	2	-6.806E-02	-9.321E-01	1.564E-01	1.855E-03	2.043E-04	0.000E+00
339	1	6.832E-02	9.169E-01	-7.867E-01	-3.303E-03	6.927E-05	0.000E+00
339	2	-6.761E-02	-9.207E-01	1.510E-01	1.841E-03	1.802E-04	0.000E+00
340	1	7.556E-03	-4.458E-03	-3.256E-01	7.611E-04	-1.220E-04	0.000E+00
340	2	7.341E-03	-4.462E-03	-3.257E-01	7.616E-04	-1.220E-04	0.000E+00
341	1	7.556E-03	-3.285E-03	-3.219E-01	7.486E-04	-1.456E-04	0.000E+00
341	2	7.341E-03	-3.324E-03	-3.220E-01	7.491E-04	-1.456E-04	0.000E+00
342	1	7.556E-03	6.679E-05	-3.120E-01	7.306E-04	1.035E-09	0.000E+00

342	2	7.341E-03	-6.679E-05	-3.121E-01	7.311E-04	-1.035E-09	0.000E+00
343	1	7.556E-03	3.419E-03	-3.219E-01	7.486E-04	1.456E-04	0.000E+00
343	2	7.341E-03	3.190E-03	-3.220E-01	7.491E-04	1.456E-04	0.000E+00
344	1	7.556E-03	4.591E-03	-3.256E-01	7.611E-04	1.220E-04	0.000E+00
344	2	7.341E-03	4.329E-03	-3.257E-01	7.616E-04	1.220E-04	0.000E+00
345	1	6.260E-03	-4.458E-03	-3.014E-01	7.845E-04	-1.060E-04	0.000E+00
345	2	6.082E-03	-4.462E-03	-3.014E-01	7.850E-04	-1.061E-04	0.000E+00
346	1	6.260E-03	-3.285E-03	-2.982E-01	7.646E-04	-1.401E-04	0.000E+00
346	2	6.082E-03	-3.324E-03	-2.983E-01	7.651E-04	-1.401E-04	0.000E+00
347	1	6.260E-03	6.679E-05	-2.890E-01	7.124E-04	8.559E-10	0.000E+00
347	2	6.082E-03	-6.679E-05	-2.891E-01	7.129E-04	-8.559E-10	0.000E+00
348	1	6.260E-03	3.419E-03	-2.982E-01	7.646E-04	1.401E-04	0.000E+00
348	2	6.082E-03	3.190E-03	-2.983E-01	7.651E-04	1.401E-04	0.000E+00
349	1	6.260E-03	4.591E-03	-3.014E-01	7.845E-04	1.060E-04	0.000E+00
349	2	6.082E-03	4.329E-03	-3.014E-01	7.850E-04	1.061E-04	0.000E+00
350	1	4.965E-03	-4.458E-03	-2.773E-01	6.799E-04	-6.577E-05	0.000E+00
350	2	4.823E-03	-4.462E-03	-2.774E-01	6.803E-04	-6.578E-05	0.000E+00
351	1	4.965E-03	-3.285E-03	-2.747E-01	6.763E-04	-1.120E-04	0.000E+00
351	2	4.823E-03	-3.324E-03	-2.747E-01	6.767E-04	-1.120E-04	0.000E+00
352	1	4.965E-03	6.679E-05	-2.676E-01	6.086E-04	6.632E-10	0.000E+00
352	2	4.823E-03	-6.679E-05	-2.676E-01	6.090E-04	-6.632E-10	0.000E+00
353	1	4.965E-03	3.419E-03	-2.747E-01	6.763E-04	1.120E-04	0.000E+00
353	2	4.823E-03	3.190E-03	-2.747E-01	6.767E-04	1.120E-04	0.000E+00
354	1	4.965E-03	4.591E-03	-2.773E-01	6.799E-04	6.577E-05	0.000E+00
354	2	4.823E-03	4.329E-03	-2.774E-01	6.803E-04	6.578E-05	0.000E+00
355	1	1.103E-13	-4.458E-03	-2.285E-01	-2.337E-07	-1.090E-04	0.000E+00
355	2	1.621E-13	-4.462E-03	-2.285E-01	2.337E-07	-1.090E-04	0.000E+00
356	1	1.103E-13	-3.285E-03	-2.255E-01	-2.327E-07	-1.001E-04	0.000E+00
356	2	1.621E-13	-3.324E-03	-2.255E-01	2.327E-07	-1.001E-04	0.000E+00
357	1	1.103E-13	6.679E-05	-2.175E-01	-2.208E-07	3.520E-16	0.000E+00
357	2	1.621E-13	-6.679E-05	-2.175E-01	2.208E-07	5.111E-16	0.000E+00
358	1	1.103E-13	3.419E-03	-2.255E-01	-2.319E-07	1.001E-04	0.000E+00
358	2	1.621E-13	3.190E-03	-2.255E-01	2.319E-07	1.001E-04	0.000E+00
359	1	1.103E-13	4.591E-03	-2.285E-01	-2.327E-07	1.090E-04	0.000E+00
359	2	1.621E-13	4.329E-03	-2.285E-01	2.327E-07	1.090E-04	0.000E+00
360	1	-4.965E-03	-4.458E-03	-2.774E-01	-6.803E-04	-6.578E-05	0.000E+00
360	2	-4.823E-03	-4.462E-03	-2.773E-01	-6.799E-04	-6.577E-05	0.000E+00
361	1	-4.965E-03	-3.285E-03	-2.747E-01	-6.767E-04	-1.120E-04	0.000E+00
361	2	-4.823E-03	-3.324E-03	-2.747E-01	-6.763E-04	-1.120E-04	0.000E+00
362	1	-4.965E-03	6.679E-05	-2.676E-01	-6.090E-04	-6.632E-10	0.000E+00
362	2	-4.823E-03	-6.679E-05	-2.676E-01	-6.086E-04	6.632E-10	0.000E+00
363	1	-4.965E-03	3.419E-03	-2.747E-01	-6.767E-04	1.120E-04	0.000E+00
363	2	-4.823E-03	3.190E-03	-2.747E-01	-6.763E-04	1.120E-04	0.000E+00
364	1	-4.965E-03	4.591E-03	-2.774E-01	-6.803E-04	6.578E-05	0.000E+00
364	2	-4.823E-03	4.329E-03	-2.773E-01	-6.799E-04	6.577E-05	0.000E+00
365	1	-6.260E-03	-4.458E-03	-3.014E-01	-7.850E-04	-1.061E-04	0.000E+00
365	2	-6.082E-03	-4.462E-03	-3.014E-01	-7.845E-04	-1.060E-04	0.000E+00
366	1	-6.260E-03	-3.285E-03	-2.983E-01	-7.651E-04	-1.401E-04	0.000E+00
366	2	-6.082E-03	-3.324E-03	-2.982E-01	-7.646E-04	-1.401E-04	0.000E+00
367	1	-6.260E-03	6.679E-05	-2.891E-01	-7.129E-04	-8.559E-10	0.000E+00
367	2	-6.082E-03	-6.679E-05	-2.890E-01	-7.124E-04	8.559E-10	0.000E+00
368	1	-6.260E-03	3.419E-03	-2.983E-01	-7.651E-04	1.401E-04	0.000E+00
368	2	-6.082E-03	3.190E-03	-2.982E-01	-7.646E-04	1.401E-04	0.000E+00
369	1	-6.260E-03	4.591E-03	-3.014E-01	-7.850E-04	1.061E-04	0.000E+00
369	2	-6.082E-03	4.329E-03	-3.014E-01	-7.845E-04	1.060E-04	0.000E+00
370	1	-7.556E-03	-4.458E-03	-3.257E-01	-7.616E-04	-1.220E-04	0.000E+00
370	2	-7.341E-03	-4.462E-03	-3.256E-01	-7.611E-04	-1.220E-04	0.000E+00
371	1	-7.556E-03	-3.285E-03	-3.220E-01	-7.491E-04	-1.456E-04	0.000E+00
371	2	-7.341E-03	-3.324E-03	-3.219E-01	-7.486E-04	-1.456E-04	0.000E+00
372	1	-7.556E-03	6.679E-05	-3.121E-01	-7.311E-04	-1.035E-09	0.000E+00
372	2	-7.341E-03	-6.679E-05	-3.120E-01	-7.306E-04	1.035E-09	0.000E+00
373	1	-7.556E-03	3.419E-03	-3.220E-01	-7.491E-04	1.456E-04	0.000E+00

373	2	-7.341E-03	3.190E-03	-3.219E-01	-7.486E-04	1.456E-04	0.000E+00
374	1	-7.556E-03	4.591E-03	-3.257E-01	-7.616E-04	1.220E-04	0.000E+00
374	2	-7.341E-03	4.329E-03	-3.256E-01	-7.611E-04	1.220E-04	0.000E+00
375	1	2.010E+00	-4.543E-01	8.610E-02	-1.453E-03	-1.795E-04	0.000E+00
375	2	-2.010E+00	4.576E-01	-7.094E-01	2.917E-03	-7.003E-05	0.000E+00
376	1	2.011E+00	-1.415E-01	9.147E-02	-1.467E-03	-2.038E-04	0.000E+00
376	2	-2.011E+00	1.449E-01	-7.073E-01	2.905E-03	-8.781E-05	0.000E+00
377	1	2.017E+00	7.511E-01	1.031E-01	-1.489E-03	-4.592E-07	0.000E+00
377	2	-2.016E+00	-7.493E-01	-6.995E-01	2.903E-03	-7.110E-08	0.000E+00
378	1	2.022E+00	1.648E+00	9.152E-02	-1.468E-03	2.043E-04	0.000E+00
378	2	-2.021E+00	-1.644E+00	-7.072E-01	2.905E-03	8.682E-05	0.000E+00
379	1	2.023E+00	1.961E+00	8.613E-02	-1.455E-03	1.802E-04	0.000E+00
379	2	-2.022E+00	-1.957E+00	-7.094E-01	2.916E-03	6.919E-05	0.000E+00
380	1	1.665E+00	-4.539E-01	4.077E-02	-1.413E-03	-1.553E-04	0.000E+00
380	2	-1.665E+00	4.568E-01	-6.174E-01	2.926E-03	-6.109E-05	0.000E+00
381	1	1.664E+00	-1.415E-01	4.534E-02	-1.455E-03	-2.045E-04	0.000E+00
381	2	-1.664E+00	1.452E-01	-6.156E-01	2.919E-03	-7.768E-05	0.000E+00
382	1	1.671E+00	7.503E-01	5.622E-02	-1.502E-03	-1.657E-07	0.000E+00
382	2	-1.670E+00	-7.488E-01	-6.081E-01	2.888E-03	-6.282E-08	0.000E+00
383	1	1.677E+00	1.648E+00	4.536E-02	-1.456E-03	2.055E-04	0.000E+00
383	2	-1.677E+00	-1.644E+00	-6.156E-01	2.918E-03	7.653E-05	0.000E+00
384	1	1.677E+00	1.961E+00	4.077E-02	-1.414E-03	1.560E-04	0.000E+00
384	2	-1.676E+00	-1.958E+00	-6.174E-01	2.925E-03	6.036E-05	0.000E+00
385	1	1.322E+00	-4.544E-01	-3.951E-03	-1.500E-03	-9.823E-05	0.000E+00
385	2	-1.322E+00	4.567E-01	-5.260E-01	2.831E-03	-3.713E-05	0.000E+00
386	1	1.322E+00	-1.427E-01	-3.303E-04	-1.514E-03	-1.438E-04	0.000E+00
386	2	-1.322E+00	1.449E-01	-5.242E-01	2.837E-03	-8.347E-05	0.000E+00
387	1	1.325E+00	7.499E-01	8.114E-03	-1.595E-03	-7.608E-08	0.000E+00
387	2	-1.325E+00	-7.485E-01	-5.183E-01	2.784E-03	8.434E-08	0.000E+00
388	1	1.328E+00	1.647E+00	-3.318E-04	-1.514E-03	1.442E-04	0.000E+00
388	2	-1.327E+00	-1.644E+00	-5.242E-01	2.837E-03	8.311E-05	0.000E+00
389	1	1.328E+00	1.961E+00	-3.966E-03	-1.501E-03	9.865E-05	0.000E+00
389	2	-1.327E+00	-1.958E+00	-5.260E-01	2.831E-03	3.674E-05	0.000E+00
390	1	-3.667E-05	-4.567E-01	-2.170E-01	-2.160E-03	-1.114E-04	0.000E+00
390	2	-3.506E-05	4.565E-01	-2.170E-01	2.160E-03	-1.113E-04	0.000E+00
391	1	4.911E-07	-1.445E-01	-2.140E-01	-2.168E-03	-1.019E-04	0.000E+00
391	2	1.015E-06	1.443E-01	-2.140E-01	2.168E-03	-1.018E-04	0.000E+00
392	1	1.766E-05	7.483E-01	-2.059E-01	-2.176E-03	6.306E-08	0.000E+00
392	2	1.766E-05	-7.483E-01	-2.059E-01	2.176E-03	6.306E-08	0.000E+00
393	1	3.669E-05	1.645E+00	-2.140E-01	-2.168E-03	1.020E-04	0.000E+00
393	2	3.618E-05	-1.645E+00	-2.140E-01	2.168E-03	1.019E-04	0.000E+00
394	1	7.515E-05	1.958E+00	-2.170E-01	-2.160E-03	1.115E-04	0.000E+00
394	2	7.356E-05	-1.958E+00	-2.170E-01	2.160E-03	1.114E-04	0.000E+00
395	1	-1.322E+00	-4.569E-01	-5.260E-01	-2.831E-03	-3.719E-05	0.000E+00
395	2	1.322E+00	4.542E-01	-3.974E-03	1.500E-03	-9.817E-05	0.000E+00
396	1	-1.323E+00	-1.451E-01	-5.242E-01	-2.837E-03	-8.352E-05	0.000E+00
396	2	1.322E+00	1.426E-01	-3.547E-04	1.513E-03	-1.437E-04	0.000E+00
397	1	-1.325E+00	7.484E-01	-5.183E-01	-2.783E-03	8.343E-08	0.000E+00
397	2	1.325E+00	-7.499E-01	8.087E-03	1.594E-03	-7.517E-08	0.000E+00
398	1	-1.327E+00	1.644E+00	-5.242E-01	-2.837E-03	8.316E-05	0.000E+00
398	2	1.327E+00	-1.646E+00	-3.563E-04	1.513E-03	1.441E-04	0.000E+00
399	1	-1.328E+00	1.958E+00	-5.260E-01	-2.830E-03	3.679E-05	0.000E+00
399	2	1.328E+00	-1.960E+00	-3.989E-03	1.500E-03	9.859E-05	0.000E+00
400	1	-1.665E+00	-4.571E-01	-6.174E-01	-2.925E-03	-6.115E-05	0.000E+00
400	2	1.665E+00	4.537E-01	4.073E-02	1.412E-03	-1.552E-04	0.000E+00
401	1	-1.664E+00	-1.455E-01	-6.155E-01	-2.918E-03	-7.771E-05	0.000E+00
401	2	1.664E+00	1.414E-01	4.530E-02	1.454E-03	-2.045E-04	0.000E+00
402	1	-1.671E+00	7.488E-01	-6.080E-01	-2.887E-03	-6.540E-08	0.000E+00
402	2	1.671E+00	-7.503E-01	5.618E-02	1.502E-03	-1.632E-07	0.000E+00
403	1	-1.677E+00	1.644E+00	-6.155E-01	-2.917E-03	7.656E-05	0.000E+00
403	2	1.677E+00	-1.648E+00	4.532E-02	1.455E-03	2.054E-04	0.000E+00
404	1	-1.676E+00	1.958E+00	-6.173E-01	-2.924E-03	6.042E-05	0.000E+00

404	2	1.676E+00	-1.961E+00	4.073E-02	1.413E-03	1.559E-04	0.000E+00
405	1	-2.011E+00	-4.578E-01	-7.094E-01	-2.916E-03	-7.011E-05	0.000E+00
405	2	2.010E+00	4.541E-01	8.603E-02	1.453E-03	-1.794E-04	0.000E+00
406	1	-2.011E+00	-1.452E-01	-7.072E-01	-2.905E-03	-8.781E-05	0.000E+00
406	2	2.011E+00	1.413E-01	9.139E-02	1.466E-03	-2.038E-04	0.000E+00
407	1	-2.017E+00	7.493E-01	-6.994E-01	-2.902E-03	-7.579E-08	0.000E+00
407	2	2.016E+00	-7.510E-01	1.030E-01	1.489E-03	-4.545E-07	0.000E+00
408	1	-2.022E+00	1.644E+00	-7.072E-01	-2.904E-03	8.682E-05	0.000E+00
408	2	2.022E+00	-1.648E+00	9.144E-02	1.467E-03	2.043E-04	0.000E+00
409	1	-2.022E+00	1.957E+00	-7.093E-01	-2.915E-03	6.926E-05	0.000E+00
409	2	2.022E+00	-1.961E+00	8.606E-02	1.454E-03	1.802E-04	0.000E+00
410	1	1.260E-02	2.136E-04	-3.169E-01	7.642E-04	-7.601E-05	0.000E+00
410	2	1.311E-02	-2.136E-04	-3.169E-01	7.647E-04	-7.601E-05	0.000E+00
411	1	1.260E-02	1.736E-04	-3.145E-01	7.519E-04	-9.927E-05	0.000E+00
411	2	1.311E-02	-1.736E-04	-3.145E-01	7.524E-04	-9.928E-05	0.000E+00
412	1	1.260E-02	5.929E-05	-3.084E-01	7.355E-04	4.792E-05	0.000E+00
412	2	1.311E-02	-5.929E-05	-3.085E-01	7.360E-04	4.792E-05	0.000E+00
413	1	1.260E-02	-5.503E-05	-3.223E-01	7.554E-04	1.938E-04	0.000E+00
413	2	1.311E-02	5.503E-05	-3.223E-01	7.558E-04	1.938E-04	0.000E+00
414	1	1.260E-02	-9.501E-05	-3.273E-01	7.681E-04	1.696E-04	0.000E+00
414	2	1.311E-02	9.501E-05	-3.274E-01	7.686E-04	1.696E-04	0.000E+00
415	1	1.264E-02	2.136E-04	-2.925E-01	7.874E-04	-6.029E-05	0.000E+00
415	2	1.307E-02	-2.136E-04	-2.926E-01	7.878E-04	-6.030E-05	0.000E+00
416	1	1.264E-02	1.736E-04	-2.906E-01	7.678E-04	-9.423E-05	0.000E+00
416	2	1.307E-02	-1.736E-04	-2.907E-01	7.682E-04	-9.423E-05	0.000E+00
417	1	1.264E-02	5.929E-05	-2.852E-01	7.171E-04	4.722E-05	0.000E+00
417	2	1.307E-02	-5.929E-05	-2.853E-01	7.176E-04	4.722E-05	0.000E+00
418	1	1.264E-02	-5.503E-05	-2.983E-01	7.717E-04	1.877E-04	0.000E+00
418	2	1.307E-02	5.503E-05	-2.984E-01	7.721E-04	1.878E-04	0.000E+00
419	1	1.264E-02	-9.501E-05	-3.028E-01	7.921E-04	1.532E-04	0.000E+00
419	2	1.307E-02	9.501E-05	-3.029E-01	7.926E-04	1.532E-04	0.000E+00
420	1	1.269E-02	2.136E-04	-2.684E-01	6.823E-04	-2.031E-05	0.000E+00
420	2	1.303E-02	-2.136E-04	-2.684E-01	6.827E-04	-2.031E-05	0.000E+00
421	1	1.269E-02	1.736E-04	-2.670E-01	6.788E-04	-6.665E-05	0.000E+00
421	2	1.303E-02	-1.736E-04	-2.670E-01	6.793E-04	-6.666E-05	0.000E+00
422	1	1.269E-02	5.929E-05	-2.637E-01	6.126E-04	4.649E-05	0.000E+00
422	2	1.303E-02	-5.929E-05	-2.637E-01	6.131E-04	4.650E-05	0.000E+00
423	1	1.269E-02	-5.503E-05	-2.745E-01	6.827E-04	1.589E-04	0.000E+00
423	2	1.303E-02	5.503E-05	-2.746E-01	6.832E-04	1.589E-04	0.000E+00
424	1	1.269E-02	-9.501E-05	-2.785E-01	6.865E-04	1.121E-04	0.000E+00
424	2	1.303E-02	9.501E-05	-2.786E-01	6.870E-04	1.121E-04	0.000E+00
425	1	1.286E-02	2.136E-04	-2.194E-01	-2.222E-07	-6.437E-05	0.000E+00
425	2	1.286E-02	-2.136E-04	-2.194E-01	2.222E-07	-6.437E-05	0.000E+00
426	1	1.286E-02	1.736E-04	-2.177E-01	-2.214E-07	-5.560E-05	0.000E+00
426	2	1.286E-02	-1.736E-04	-2.177E-01	2.214E-07	-5.560E-05	0.000E+00
427	1	1.286E-02	5.929E-05	-2.132E-01	-2.102E-07	4.229E-05	0.000E+00
427	2	1.286E-02	-5.929E-05	-2.132E-01	2.102E-07	4.229E-05	0.000E+00
428	1	1.286E-02	-5.503E-05	-2.249E-01	-2.224E-07	1.459E-04	0.000E+00
428	2	1.286E-02	5.503E-05	-2.249E-01	2.224E-07	1.459E-04	0.000E+00
429	1	1.286E-02	-9.501E-05	-2.292E-01	-2.234E-07	1.550E-04	0.000E+00
429	2	1.286E-02	9.501E-05	-2.292E-01	2.234E-07	1.550E-04	0.000E+00
430	1	1.303E-02	2.136E-04	-2.684E-01	-6.827E-04	-2.031E-05	0.000E+00
430	2	1.269E-02	-2.136E-04	-2.684E-01	-6.823E-04	-2.031E-05	0.000E+00
431	1	1.303E-02	1.736E-04	-2.670E-01	-6.793E-04	-6.666E-05	0.000E+00
431	2	1.269E-02	-1.736E-04	-2.670E-01	-6.788E-04	-6.665E-05	0.000E+00
432	1	1.303E-02	5.929E-05	-2.637E-01	-6.131E-04	4.650E-05	0.000E+00
432	2	1.269E-02	-5.929E-05	-2.637E-01	-6.126E-04	4.649E-05	0.000E+00
433	1	1.303E-02	-5.503E-05	-2.746E-01	-6.832E-04	1.589E-04	0.000E+00
433	2	1.269E-02	5.503E-05	-2.745E-01	-6.827E-04	1.589E-04	0.000E+00
434	1	1.303E-02	-9.501E-05	-2.786E-01	-6.870E-04	1.121E-04	0.000E+00
434	2	1.269E-02	9.501E-05	-2.785E-01	-6.865E-04	1.121E-04	0.000E+00
435	1	1.307E-02	2.136E-04	-2.926E-01	-7.878E-04	-6.030E-05	0.000E+00

435	2	1.264E-02	-2.136E-04	-2.925E-01	-7.874E-04	-6.029E-05	0.000E+00
436	1	1.307E-02	1.736E-04	-2.907E-01	-7.682E-04	-9.423E-05	0.000E+00
436	2	1.264E-02	-1.736E-04	-2.906E-01	-7.678E-04	-9.423E-05	0.000E+00
437	1	1.307E-02	5.929E-05	-2.853E-01	-7.176E-04	4.722E-05	0.000E+00
437	2	1.264E-02	-5.929E-05	-2.852E-01	-7.171E-04	4.722E-05	0.000E+00
438	1	1.307E-02	-5.503E-05	-2.984E-01	-7.721E-04	1.878E-04	0.000E+00
438	2	1.264E-02	5.503E-05	-2.983E-01	-7.717E-04	1.877E-04	0.000E+00
439	1	1.307E-02	-9.501E-05	-3.029E-01	-7.926E-04	1.532E-04	0.000E+00
439	2	1.264E-02	9.501E-05	-3.028E-01	-7.921E-04	1.532E-04	0.000E+00
440	1	1.311E-02	2.136E-04	-3.169E-01	-7.647E-04	-7.601E-05	0.000E+00
440	2	1.260E-02	-2.136E-04	-3.169E-01	-7.642E-04	-7.601E-05	0.000E+00
441	1	1.311E-02	1.736E-04	-3.145E-01	-7.524E-04	-9.928E-05	0.000E+00
441	2	1.260E-02	-1.736E-04	-3.145E-01	-7.519E-04	-9.927E-05	0.000E+00
442	1	1.311E-02	5.929E-05	-3.085E-01	-7.360E-04	4.792E-05	0.000E+00
442	2	1.260E-02	-5.929E-05	-3.084E-01	-7.355E-04	4.792E-05	0.000E+00
443	1	1.311E-02	-5.503E-05	-3.223E-01	-7.558E-04	1.938E-04	0.000E+00
443	2	1.260E-02	5.503E-05	-3.223E-01	-7.554E-04	1.938E-04	0.000E+00
444	1	1.311E-02	-9.501E-05	-3.274E-01	-7.686E-04	1.696E-04	0.000E+00
444	2	1.260E-02	9.501E-05	-3.273E-01	-7.681E-04	1.696E-04	0.000E+00
445	1	4.479E-01	7.449E-01	1.623E-01	-1.922E-03	-1.811E-04	0.000E+00
445	2	-4.481E-01	-7.413E-01	-8.088E-01	3.404E-03	-7.168E-05	0.000E+00
446	1	4.483E-01	8.153E-01	1.677E-01	-1.935E-03	-2.058E-04	0.000E+00
446	2	-4.489E-01	-8.116E-01	-8.066E-01	3.393E-03	-8.975E-05	0.000E+00
447	1	4.541E-01	1.015E+00	1.794E-01	-1.958E-03	-4.580E-07	0.000E+00
447	2	-4.540E-01	-1.013E+00	-7.987E-01	3.390E-03	-6.985E-08	0.000E+00
448	1	4.598E-01	1.218E+00	1.677E-01	-1.936E-03	2.063E-04	0.000E+00
448	2	-4.591E-01	-1.214E+00	-8.066E-01	3.392E-03	8.877E-05	0.000E+00
449	1	4.603E-01	1.289E+00	1.623E-01	-1.923E-03	1.819E-04	0.000E+00
449	2	-4.598E-01	-1.285E+00	-8.088E-01	3.404E-03	7.084E-05	0.000E+00
450	1	3.703E-01	7.453E-01	1.022E-01	-1.881E-03	-1.567E-04	0.000E+00
450	2	-3.707E-01	-7.421E-01	-7.015E-01	3.414E-03	-6.250E-05	0.000E+00
451	1	3.696E-01	8.153E-01	1.068E-01	-1.923E-03	-2.064E-04	0.000E+00
451	2	-3.698E-01	-8.113E-01	-6.996E-01	3.407E-03	-7.955E-05	0.000E+00
452	1	3.762E-01	1.014E+00	1.178E-01	-1.971E-03	-1.624E-07	0.000E+00
452	2	-3.761E-01	-1.012E+00	-6.920E-01	3.375E-03	-5.954E-08	0.000E+00
453	1	3.829E-01	1.218E+00	1.068E-01	-1.924E-03	2.073E-04	0.000E+00
453	2	-3.825E-01	-1.214E+00	-6.996E-01	3.406E-03	7.841E-05	0.000E+00
454	1	3.821E-01	1.289E+00	1.022E-01	-1.881E-03	1.574E-04	0.000E+00
454	2	-3.816E-01	-1.286E+00	-7.014E-01	3.413E-03	6.178E-05	0.000E+00
455	1	2.954E-01	7.448E-01	4.273E-02	-1.969E-03	-9.910E-05	0.000E+00
455	2	-2.957E-01	-7.422E-01	-5.947E-01	3.318E-03	-3.800E-05	0.000E+00
456	1	2.958E-01	8.141E-01	4.638E-02	-1.983E-03	-1.453E-04	0.000E+00
456	2	-2.959E-01	-8.116E-01	-5.929E-01	3.324E-03	-8.496E-05	0.000E+00
457	1	2.984E-01	1.013E+00	5.492E-02	-2.065E-03	-7.117E-08	0.000E+00
457	2	-2.983E-01	-1.012E+00	-5.869E-01	3.270E-03	8.924E-08	0.000E+00
458	1	3.009E-01	1.217E+00	4.638E-02	-1.983E-03	1.457E-04	0.000E+00
458	2	-3.006E-01	-1.214E+00	-5.929E-01	3.324E-03	8.461E-05	0.000E+00
459	1	3.013E-01	1.289E+00	4.271E-02	-1.970E-03	9.953E-05	0.000E+00
459	2	-3.008E-01	-1.286E+00	-5.947E-01	3.318E-03	3.762E-05	0.000E+00
460	1	-3.376E-05	7.424E-01	-2.274E-01	-2.638E-03	-1.128E-04	0.000E+00
460	2	-3.215E-05	-7.424E-01	-2.274E-01	2.638E-03	-1.127E-04	0.000E+00
461	1	3.895E-06	8.123E-01	-2.243E-01	-2.646E-03	-1.032E-04	0.000E+00
461	2	4.419E-06	-8.123E-01	-2.243E-01	2.646E-03	-1.031E-04	0.000E+00
462	1	2.129E-05	1.012E+00	-2.161E-01	-2.653E-03	6.885E-08	0.000E+00
462	2	2.129E-05	-1.012E+00	-2.161E-01	2.653E-03	6.885E-08	0.000E+00
463	1	4.057E-05	1.215E+00	-2.243E-01	-2.646E-03	1.033E-04	0.000E+00
463	2	4.006E-05	-1.215E+00	-2.243E-01	2.646E-03	1.032E-04	0.000E+00
464	1	7.954E-05	1.286E+00	-2.274E-01	-2.638E-03	1.129E-04	0.000E+00
464	2	7.794E-05	-1.286E+00	-2.274E-01	2.638E-03	1.129E-04	0.000E+00
465	1	-2.957E-01	7.422E-01	-5.947E-01	-3.317E-03	-3.806E-05	0.000E+00
465	2	2.955E-01	-7.447E-01	4.270E-02	1.969E-03	-9.905E-05	0.000E+00
466	1	-2.959E-01	8.116E-01	-5.928E-01	-3.324E-03	-8.500E-05	0.000E+00

466	2	2.958E-01	-8.140E-01	4.636E-02	1.982E-03	-1.452E-04	0.000E+00
467	1	-2.983E-01	1.012E+00	-5.869E-01	-3.269E-03	8.832E-08	0.000E+00
467	2	2.984E-01	-1.013E+00	5.489E-02	2.065E-03	-7.026E-08	0.000E+00
468	1	-3.006E-01	1.214E+00	-5.928E-01	-3.324E-03	8.465E-05	0.000E+00
468	2	3.009E-01	-1.217E+00	4.635E-02	1.983E-03	1.456E-04	0.000E+00
469	1	-3.008E-01	1.286E+00	-5.947E-01	-3.317E-03	3.767E-05	0.000E+00
469	2	3.013E-01	-1.289E+00	4.269E-02	1.969E-03	9.948E-05	0.000E+00
470	1	-3.707E-01	7.421E-01	-7.014E-01	-3.413E-03	-6.256E-05	0.000E+00
470	2	3.703E-01	-7.452E-01	1.021E-01	1.880E-03	-1.567E-04	0.000E+00
471	1	-3.698E-01	8.112E-01	-6.996E-01	-3.406E-03	-7.958E-05	0.000E+00
471	2	3.696E-01	-8.152E-01	1.068E-01	1.922E-03	-2.063E-04	0.000E+00
472	1	-3.761E-01	1.012E+00	-6.919E-01	-3.374E-03	-6.211E-08	0.000E+00
472	2	3.762E-01	-1.014E+00	1.178E-01	1.970E-03	-1.599E-07	0.000E+00
473	1	-3.825E-01	1.214E+00	-6.995E-01	-3.405E-03	7.843E-05	0.000E+00
473	2	3.829E-01	-1.218E+00	1.068E-01	1.923E-03	2.073E-04	0.000E+00
474	1	-3.816E-01	1.286E+00	-7.014E-01	-3.412E-03	6.184E-05	0.000E+00
474	2	3.821E-01	-1.289E+00	1.021E-01	1.881E-03	1.573E-04	0.000E+00
475	1	-4.481E-01	7.413E-01	-8.088E-01	-3.403E-03	-7.175E-05	0.000E+00
475	2	4.479E-01	-7.449E-01	1.622E-01	1.921E-03	-1.811E-04	0.000E+00
476	1	-4.489E-01	8.116E-01	-8.066E-01	-3.392E-03	-8.975E-05	0.000E+00
476	2	4.483E-01	-8.152E-01	1.676E-01	1.935E-03	-2.058E-04	0.000E+00
477	1	-4.540E-01	1.013E+00	-7.987E-01	-3.389E-03	-7.455E-08	0.000E+00
477	2	4.541E-01	-1.015E+00	1.794E-01	1.957E-03	-4.533E-07	0.000E+00
478	1	-4.591E-01	1.214E+00	-8.065E-01	-3.392E-03	8.876E-05	0.000E+00
478	2	4.598E-01	-1.218E+00	1.677E-01	1.936E-03	2.063E-04	0.000E+00
479	1	-4.598E-01	1.285E+00	-8.087E-01	-3.403E-03	7.091E-05	0.000E+00
479	2	4.603E-01	-1.289E+00	1.622E-01	1.922E-03	1.818E-04	0.000E+00
480	1	-1.406E-02	1.459E-04	-3.310E-01	7.681E-04	-1.712E-04	0.000E+00
480	2	-1.381E-02	-1.459E-04	-3.311E-01	7.686E-04	-1.712E-04	0.000E+00
481	1	-1.406E-02	1.270E-04	-3.259E-01	7.553E-04	-1.954E-04	0.000E+00
481	2	-1.381E-02	-1.270E-04	-3.260E-01	7.559E-04	-1.954E-04	0.000E+00
482	1	-1.406E-02	7.296E-05	-3.119E-01	7.355E-04	-4.956E-05	0.000E+00
482	2	-1.381E-02	-7.296E-05	-3.120E-01	7.360E-04	-4.956E-05	0.000E+00
483	1	-1.406E-02	1.890E-05	-3.178E-01	7.519E-04	9.763E-05	0.000E+00
483	2	-1.381E-02	-1.890E-05	-3.179E-01	7.524E-04	9.764E-05	0.000E+00
484	1	-1.406E-02	4.102E-10	-3.202E-01	7.642E-04	7.437E-05	0.000E+00
484	2	-1.381E-02	4.249E-10	-3.203E-01	7.647E-04	7.438E-05	0.000E+00
485	1	-1.404E-02	1.459E-04	-3.065E-01	7.921E-04	-1.548E-04	0.000E+00
485	2	-1.383E-02	-1.459E-04	-3.066E-01	7.926E-04	-1.548E-04	0.000E+00
486	1	-1.404E-02	1.270E-04	-3.020E-01	7.716E-04	-1.894E-04	0.000E+00
486	2	-1.383E-02	-1.270E-04	-3.020E-01	7.722E-04	-1.894E-04	0.000E+00
487	1	-1.404E-02	7.296E-05	-2.887E-01	7.171E-04	-4.886E-05	0.000E+00
487	2	-1.383E-02	-7.296E-05	-2.888E-01	7.176E-04	-4.886E-05	0.000E+00
488	1	-1.404E-02	1.890E-05	-2.940E-01	7.677E-04	9.259E-05	0.000E+00
488	2	-1.383E-02	-1.890E-05	-2.941E-01	7.683E-04	9.260E-05	0.000E+00
489	1	-1.404E-02	4.102E-10	-2.958E-01	7.873E-04	5.865E-05	0.000E+00
489	2	-1.383E-02	4.249E-10	-2.959E-01	7.879E-04	5.866E-05	0.000E+00
490	1	-1.401E-02	1.459E-04	-2.822E-01	6.865E-04	-1.137E-04	0.000E+00
490	2	-1.385E-02	-1.459E-04	-2.823E-01	6.870E-04	-1.137E-04	0.000E+00
491	1	-1.401E-02	1.270E-04	-2.782E-01	6.827E-04	-1.605E-04	0.000E+00
491	2	-1.385E-02	-1.270E-04	-2.782E-01	6.832E-04	-1.605E-04	0.000E+00
492	1	-1.401E-02	7.296E-05	-2.671E-01	6.126E-04	-4.813E-05	0.000E+00
492	2	-1.385E-02	-7.296E-05	-2.672E-01	6.131E-04	-4.813E-05	0.000E+00
493	1	-1.401E-02	1.890E-05	-2.703E-01	6.788E-04	6.502E-05	0.000E+00
493	2	-1.385E-02	-1.890E-05	-2.704E-01	6.793E-04	6.502E-05	0.000E+00
494	1	-1.401E-02	4.102E-10	-2.717E-01	6.822E-04	1.867E-05	0.000E+00
494	2	-1.385E-02	4.249E-10	-2.717E-01	6.828E-04	1.868E-05	0.000E+00
495	1	-1.393E-02	1.459E-04	-2.329E-01	-2.615E-07	-1.567E-04	0.000E+00
495	2	-1.393E-02	-1.459E-04	-2.329E-01	2.615E-07	-1.567E-04	0.000E+00
496	1	-1.393E-02	1.270E-04	-2.286E-01	-2.605E-07	-1.475E-04	0.000E+00
496	2	-1.393E-02	-1.270E-04	-2.286E-01	2.605E-07	-1.475E-04	0.000E+00
497	1	-1.393E-02	7.296E-05	-2.167E-01	-2.474E-07	-4.393E-05	0.000E+00

497	2	-1.393E-02	-7.296E-05	-2.167E-01	2.474E-07	-4.393E-05	0.000E+00
498	1	-1.393E-02	1.890E-05	-2.210E-01	-2.608E-07	5.397E-05	0.000E+00
498	2	-1.393E-02	-1.890E-05	-2.210E-01	2.608E-07	5.397E-05	0.000E+00
499	1	-1.393E-02	4.102E-10	-2.227E-01	-2.618E-07	6.273E-05	0.000E+00
499	2	-1.393E-02	4.249E-10	-2.227E-01	2.618E-07	6.273E-05	0.000E+00
500	1	-1.385E-02	1.459E-04	-2.823E-01	-6.870E-04	-1.137E-04	0.000E+00
500	2	-1.401E-02	-1.459E-04	-2.822E-01	-6.865E-04	-1.137E-04	0.000E+00
501	1	-1.385E-02	1.270E-04	-2.782E-01	-6.832E-04	-1.605E-04	0.000E+00
501	2	-1.401E-02	-1.270E-04	-2.782E-01	-6.827E-04	-1.605E-04	0.000E+00
502	1	-1.385E-02	7.296E-05	-2.672E-01	-6.131E-04	-4.813E-05	0.000E+00
502	2	-1.401E-02	-7.296E-05	-2.671E-01	-6.126E-04	-4.813E-05	0.000E+00
503	1	-1.385E-02	1.890E-05	-2.704E-01	-6.793E-04	6.502E-05	0.000E+00
503	2	-1.401E-02	-1.890E-05	-2.703E-01	-6.788E-04	6.502E-05	0.000E+00
504	1	-1.385E-02	4.102E-10	-2.717E-01	-6.828E-04	1.868E-05	0.000E+00
504	2	-1.401E-02	4.249E-10	-2.717E-01	-6.822E-04	1.867E-05	0.000E+00
505	1	-1.383E-02	1.459E-04	-3.066E-01	-7.926E-04	-1.548E-04	0.000E+00
505	2	-1.404E-02	-1.459E-04	-3.065E-01	-7.921E-04	-1.548E-04	0.000E+00
506	1	-1.383E-02	1.270E-04	-3.020E-01	-7.722E-04	-1.894E-04	0.000E+00
506	2	-1.404E-02	-1.270E-04	-3.020E-01	-7.716E-04	-1.894E-04	0.000E+00
507	1	-1.383E-02	7.296E-05	-2.888E-01	-7.176E-04	-4.886E-05	0.000E+00
507	2	-1.404E-02	-7.296E-05	-2.887E-01	-7.171E-04	-4.886E-05	0.000E+00
508	1	-1.383E-02	1.890E-05	-2.941E-01	-7.683E-04	9.260E-05	0.000E+00
508	2	-1.404E-02	-1.890E-05	-2.940E-01	-7.677E-04	9.259E-05	0.000E+00
509	1	-1.383E-02	4.102E-10	-2.959E-01	-7.879E-04	5.866E-05	0.000E+00
509	2	-1.404E-02	4.249E-10	-2.958E-01	-7.873E-04	5.865E-05	0.000E+00
510	1	-1.381E-02	1.459E-04	-3.311E-01	-7.686E-04	-1.712E-04	0.000E+00
510	2	-1.406E-02	-1.459E-04	-3.310E-01	-7.681E-04	-1.712E-04	0.000E+00
511	1	-1.381E-02	1.270E-04	-3.260E-01	-7.559E-04	-1.954E-04	0.000E+00
511	2	-1.406E-02	-1.270E-04	-3.259E-01	-7.553E-04	-1.954E-04	0.000E+00
512	1	-1.381E-02	7.296E-05	-3.120E-01	-7.360E-04	-4.956E-05	0.000E+00
512	2	-1.406E-02	-7.296E-05	-3.119E-01	-7.355E-04	-4.956E-05	0.000E+00
513	1	-1.381E-02	1.890E-05	-3.179E-01	-7.524E-04	9.764E-05	0.000E+00
513	2	-1.406E-02	-1.890E-05	-3.178E-01	-7.519E-04	9.763E-05	0.000E+00
514	1	-1.381E-02	4.102E-10	-3.203E-01	-7.647E-04	7.438E-05	0.000E+00
514	2	-1.406E-02	4.249E-10	-3.202E-01	-7.642E-04	7.437E-05	0.000E+00
515	1	-2.366E-01	1.236E+00	1.896E-01	-2.070E-03	-1.795E-04	0.000E+00
515	2	2.364E-01	-1.232E+00	-8.323E-01	3.533E-03	-7.003E-05	0.000E+00
516	1	-2.362E-01	1.200E+00	1.950E-01	-2.083E-03	-2.038E-04	0.000E+00
516	2	2.356E-01	-1.196E+00	-8.302E-01	3.522E-03	-8.780E-05	0.000E+00
517	1	-2.305E-01	1.096E+00	2.066E-01	-2.106E-03	-4.519E-07	0.000E+00
517	2	2.305E-01	-1.094E+00	-8.224E-01	3.519E-03	-6.376E-08	0.000E+00
518	1	-2.247E-01	9.956E-01	1.950E-01	-2.084E-03	2.043E-04	0.000E+00
518	2	2.254E-01	-9.919E-01	-8.301E-01	3.521E-03	8.683E-05	0.000E+00
519	1	-2.243E-01	9.599E-01	1.896E-01	-2.071E-03	1.802E-04	0.000E+00
519	2	2.247E-01	-9.563E-01	-8.323E-01	3.532E-03	6.919E-05	0.000E+00
520	1	-1.968E-01	1.236E+00	1.249E-01	-2.029E-03	-1.553E-04	0.000E+00
520	2	1.964E-01	-1.233E+00	-7.209E-01	3.542E-03	-6.108E-05	0.000E+00
521	1	-1.976E-01	1.200E+00	1.294E-01	-2.071E-03	-2.045E-04	0.000E+00
521	2	1.973E-01	-1.196E+00	-7.191E-01	3.535E-03	-7.767E-05	0.000E+00
522	1	-1.909E-01	1.095E+00	1.403E-01	-2.119E-03	-1.584E-07	0.000E+00
522	2	1.910E-01	-1.094E+00	-7.116E-01	3.504E-03	-5.549E-08	0.000E+00
523	1	-1.843E-01	9.956E-01	1.294E-01	-2.073E-03	2.055E-04	0.000E+00
523	2	1.846E-01	-9.916E-01	-7.191E-01	3.535E-03	7.654E-05	0.000E+00
524	1	-1.851E-01	9.603E-01	1.249E-01	-2.030E-03	1.560E-04	0.000E+00
524	2	1.855E-01	-9.571E-01	-7.209E-01	3.541E-03	6.036E-05	0.000E+00
525	1	-1.543E-01	1.236E+00	6.072E-02	-2.117E-03	-9.822E-05	0.000E+00
525	2	1.540E-01	-1.233E+00	-6.101E-01	3.447E-03	-3.712E-05	0.000E+00
526	1	-1.540E-01	1.199E+00	6.434E-02	-2.130E-03	-1.438E-04	0.000E+00
526	2	1.538E-01	-1.196E+00	-6.083E-01	3.454E-03	-8.346E-05	0.000E+00
527	1	-1.514E-01	1.095E+00	7.279E-02	-2.211E-03	-6.872E-08	0.000E+00
527	2	1.515E-01	-1.093E+00	-6.024E-01	3.400E-03	9.168E-08	0.000E+00
528	1	-1.489E-01	9.944E-01	6.434E-02	-2.130E-03	1.442E-04	0.000E+00

528	2	1.491E-01	-9.919E-01	-6.083E-01	3.454E-03	8.312E-05	0.000E+00
529	1	-1.485E-01	9.598E-01	6.071E-02	-2.117E-03	9.866E-05	0.000E+00
529	2	1.489E-01	-9.572E-01	-6.101E-01	3.447E-03	3.675E-05	0.000E+00
530	1	-3.200E-05	1.233E+00	-2.267E-01	-2.776E-03	-1.114E-04	0.000E+00
530	2	-3.039E-05	-1.233E+00	-2.267E-01	2.776E-03	-1.113E-04	0.000E+00
531	1	5.163E-06	1.197E+00	-2.237E-01	-2.784E-03	-1.019E-04	0.000E+00
531	2	5.686E-06	-1.197E+00	-2.237E-01	2.784E-03	-1.018E-04	0.000E+00
532	1	2.234E-05	1.093E+00	-2.156E-01	-2.792E-03	7.041E-08	0.000E+00
532	2	2.234E-05	-1.093E+00	-2.156E-01	2.792E-03	7.041E-08	0.000E+00
533	1	4.136E-05	9.926E-01	-2.237E-01	-2.784E-03	1.020E-04	0.000E+00
533	2	4.085E-05	-9.926E-01	-2.237E-01	2.784E-03	1.019E-04	0.000E+00
534	1	7.983E-05	9.574E-01	-2.267E-01	-2.776E-03	1.115E-04	0.000E+00
534	2	7.823E-05	-9.574E-01	-2.267E-01	2.776E-03	1.114E-04	0.000E+00
535	1	1.540E-01	1.233E+00	-6.101E-01	-3.447E-03	-3.718E-05	0.000E+00
535	2	-1.543E-01	-1.236E+00	6.070E-02	2.116E-03	-9.817E-05	0.000E+00
536	1	1.538E-01	1.196E+00	-6.083E-01	-3.453E-03	-8.351E-05	0.000E+00
536	2	-1.540E-01	-1.199E+00	6.432E-02	2.129E-03	-1.437E-04	0.000E+00
537	1	1.515E-01	1.093E+00	-6.024E-01	-3.400E-03	9.077E-08	0.000E+00
537	2	-1.514E-01	-1.095E+00	7.276E-02	2.211E-03	-6.781E-08	0.000E+00
538	1	1.491E-01	9.919E-01	-6.083E-01	-3.453E-03	8.316E-05	0.000E+00
538	2	-1.488E-01	-9.944E-01	6.431E-02	2.130E-03	1.441E-04	0.000E+00
539	1	1.489E-01	9.572E-01	-6.101E-01	-3.447E-03	3.680E-05	0.000E+00
539	2	-1.485E-01	-9.598E-01	6.068E-02	2.116E-03	9.860E-05	0.000E+00
540	1	1.965E-01	1.233E+00	-7.209E-01	-3.541E-03	-6.114E-05	0.000E+00
540	2	-1.968E-01	-1.236E+00	1.248E-01	2.028E-03	-1.552E-04	0.000E+00
541	1	1.974E-01	1.196E+00	-7.191E-01	-3.534E-03	-7.770E-05	0.000E+00
541	2	-1.975E-01	-1.200E+00	1.294E-01	2.070E-03	-2.045E-04	0.000E+00
542	1	1.910E-01	1.093E+00	-7.115E-01	-3.503E-03	-5.806E-08	0.000E+00
542	2	-1.909E-01	-1.095E+00	1.403E-01	2.118E-03	-1.558E-07	0.000E+00
543	1	1.847E-01	9.915E-01	-7.190E-01	-3.534E-03	7.656E-05	0.000E+00
543	2	-1.843E-01	-9.956E-01	1.294E-01	2.072E-03	2.054E-04	0.000E+00
544	1	1.856E-01	9.570E-01	-7.208E-01	-3.540E-03	6.042E-05	0.000E+00
544	2	-1.850E-01	-9.603E-01	1.248E-01	2.029E-03	1.559E-04	0.000E+00
545	1	2.364E-01	1.232E+00	-8.323E-01	-3.532E-03	-7.010E-05	0.000E+00
545	2	-2.366E-01	-1.236E+00	1.895E-01	2.069E-03	-1.794E-04	0.000E+00
546	1	2.357E-01	1.196E+00	-8.301E-01	-3.521E-03	-8.781E-05	0.000E+00
546	2	-2.362E-01	-1.200E+00	1.949E-01	2.082E-03	-2.038E-04	0.000E+00
547	1	2.306E-01	1.094E+00	-8.224E-01	-3.518E-03	-6.846E-08	0.000E+00
547	2	-2.304E-01	-1.096E+00	2.065E-01	2.105E-03	-4.472E-07	0.000E+00
548	1	2.255E-01	9.919E-01	-8.301E-01	-3.520E-03	8.683E-05	0.000E+00
548	2	-2.247E-01	-9.956E-01	1.949E-01	2.083E-03	2.043E-04	0.000E+00
549	1	2.247E-01	9.563E-01	-8.322E-01	-3.531E-03	6.927E-05	0.000E+00
549	2	-2.242E-01	-9.599E-01	1.896E-01	2.070E-03	1.802E-04	0.000E+00
550	1	-9.947E-05	1.191E-04	-3.139E-01	7.611E-04	-1.220E-04	0.000E+00
550	2	9.947E-05	-1.191E-04	-3.139E-01	7.616E-04	-1.220E-04	0.000E+00
551	1	-9.947E-05	1.037E-04	-3.101E-01	7.486E-04	-1.456E-04	0.000E+00
551	2	9.947E-05	-1.037E-04	-3.102E-01	7.491E-04	-1.456E-04	0.000E+00
552	1	-9.947E-05	5.956E-05	-3.002E-01	7.306E-04	-3.225E-10	0.000E+00
552	2	9.947E-05	-5.956E-05	-3.003E-01	7.311E-04	3.225E-10	0.000E+00
553	1	-9.947E-05	1.543E-05	-3.101E-01	7.486E-04	1.456E-04	0.000E+00
553	2	9.947E-05	-1.543E-05	-3.102E-01	7.491E-04	1.456E-04	0.000E+00
554	1	-9.947E-05	-1.525E-11	-3.139E-01	7.611E-04	1.220E-04	0.000E+00
554	2	9.947E-05	1.181E-11	-3.139E-01	7.616E-04	1.220E-04	0.000E+00
555	1	-8.241E-05	1.191E-04	-2.896E-01	7.845E-04	-1.060E-04	0.000E+00
555	2	8.241E-05	-1.191E-04	-2.897E-01	7.850E-04	-1.061E-04	0.000E+00
556	1	-8.241E-05	1.037E-04	-2.864E-01	7.646E-04	-1.401E-04	0.000E+00
556	2	8.241E-05	-1.037E-04	-2.865E-01	7.651E-04	-1.401E-04	0.000E+00
557	1	-8.241E-05	5.956E-05	-2.772E-01	7.124E-04	-2.667E-10	0.000E+00
557	2	8.241E-05	-5.956E-05	-2.773E-01	7.129E-04	2.667E-10	0.000E+00
558	1	-8.241E-05	1.543E-05	-2.864E-01	7.646E-04	1.401E-04	0.000E+00
558	2	8.241E-05	-1.543E-05	-2.865E-01	7.651E-04	1.401E-04	0.000E+00
559	1	-8.241E-05	-1.525E-11	-2.896E-01	7.845E-04	1.060E-04	0.000E+00

559	2	8.241E-05	1.181E-11	-2.897E-01	7.850E-04	1.061E-04	0.000E+00
560	1	-6.536E-05	1.191E-04	-2.655E-01	6.798E-04	-6.577E-05	0.000E+00
560	2	6.536E-05	-1.191E-04	-2.656E-01	6.803E-04	-6.578E-05	0.000E+00
561	1	-6.536E-05	1.037E-04	-2.629E-01	6.762E-04	-1.120E-04	0.000E+00
561	2	6.536E-05	-1.037E-04	-2.629E-01	6.767E-04	-1.120E-04	0.000E+00
562	1	-6.536E-05	5.956E-05	-2.558E-01	6.086E-04	-2.066E-10	0.000E+00
562	2	6.536E-05	-5.956E-05	-2.559E-01	6.091E-04	2.066E-10	0.000E+00
563	1	-6.536E-05	1.543E-05	-2.629E-01	6.762E-04	1.120E-04	0.000E+00
563	2	6.536E-05	-1.543E-05	-2.629E-01	6.767E-04	1.120E-04	0.000E+00
564	1	-6.536E-05	-1.525E-11	-2.655E-01	6.798E-04	6.577E-05	0.000E+00
564	2	6.536E-05	1.181E-11	-2.656E-01	6.804E-04	6.578E-05	0.000E+00
565	1	-5.079E-13	1.191E-04	-2.167E-01	-2.448E-07	-1.090E-04	0.000E+00
565	2	-4.988E-13	-1.191E-04	-2.167E-01	2.448E-07	-1.090E-04	0.000E+00
566	1	-5.079E-13	1.037E-04	-2.137E-01	-2.438E-07	-1.001E-04	0.000E+00
566	2	-4.988E-13	-1.037E-04	-2.137E-01	2.438E-07	-1.001E-04	0.000E+00
567	1	-5.079E-13	5.956E-05	-2.057E-01	-2.299E-07	-1.811E-15	0.000E+00
567	2	-4.988E-13	-5.956E-05	-2.057E-01	2.299E-07	-1.778E-15	0.000E+00
568	1	-5.079E-13	1.543E-05	-2.137E-01	-2.440E-07	1.001E-04	0.000E+00
568	2	-4.988E-13	-1.543E-05	-2.137E-01	2.440E-07	1.001E-04	0.000E+00
569	1	-5.079E-13	-1.525E-11	-2.167E-01	-2.451E-07	1.090E-04	0.000E+00
569	2	-4.988E-13	1.181E-11	-2.167E-01	2.451E-07	1.090E-04	0.000E+00
570	1	6.536E-05	1.191E-04	-2.656E-01	-6.803E-04	-6.578E-05	0.000E+00
570	2	-6.536E-05	-1.191E-04	-2.655E-01	-6.798E-04	-6.577E-05	0.000E+00
571	1	6.536E-05	1.037E-04	-2.629E-01	-6.767E-04	-1.120E-04	0.000E+00
571	2	-6.536E-05	-1.037E-04	-2.629E-01	-6.762E-04	-1.120E-04	0.000E+00
572	1	6.536E-05	5.956E-05	-2.559E-01	-6.091E-04	2.066E-10	0.000E+00
572	2	-6.536E-05	-5.956E-05	-2.558E-01	-6.086E-04	-2.066E-10	0.000E+00
573	1	6.536E-05	1.543E-05	-2.629E-01	-6.767E-04	1.120E-04	0.000E+00
573	2	-6.536E-05	-1.543E-05	-2.629E-01	-6.762E-04	1.120E-04	0.000E+00
574	1	6.536E-05	-1.525E-11	-2.656E-01	-6.804E-04	6.578E-05	0.000E+00
574	2	-6.536E-05	1.181E-11	-2.655E-01	-6.798E-04	6.577E-05	0.000E+00
575	1	8.241E-05	1.191E-04	-2.897E-01	-7.850E-04	-1.061E-04	0.000E+00
575	2	-8.241E-05	-1.191E-04	-2.896E-01	-7.845E-04	-1.060E-04	0.000E+00
576	1	8.241E-05	1.037E-04	-2.865E-01	-7.651E-04	-1.401E-04	0.000E+00
576	2	-8.241E-05	-1.037E-04	-2.864E-01	-7.646E-04	-1.401E-04	0.000E+00
577	1	8.241E-05	5.956E-05	-2.773E-01	-7.129E-04	2.667E-10	0.000E+00
577	2	-8.241E-05	-5.956E-05	-2.772E-01	-7.124E-04	-2.667E-10	0.000E+00
578	1	8.241E-05	1.543E-05	-2.865E-01	-7.651E-04	1.401E-04	0.000E+00
578	2	-8.241E-05	-1.543E-05	-2.864E-01	-7.646E-04	1.401E-04	0.000E+00
579	1	8.241E-05	-1.525E-11	-2.897E-01	-7.850E-04	1.061E-04	0.000E+00
579	2	-8.241E-05	1.181E-11	-2.896E-01	-7.845E-04	1.060E-04	0.000E+00
580	1	9.947E-05	1.191E-04	-3.139E-01	-7.616E-04	-1.220E-04	0.000E+00
580	2	-9.947E-05	-1.191E-04	-3.139E-01	-7.611E-04	-1.220E-04	0.000E+00
581	1	9.947E-05	1.037E-04	-3.102E-01	-7.491E-04	-1.456E-04	0.000E+00
581	2	-9.947E-05	-1.037E-04	-3.101E-01	-7.486E-04	-1.456E-04	0.000E+00
582	1	9.947E-05	5.956E-05	-3.003E-01	-7.311E-04	3.225E-10	0.000E+00
582	2	-9.947E-05	-5.956E-05	-3.002E-01	-7.306E-04	-3.225E-10	0.000E+00
583	1	9.947E-05	1.543E-05	-3.102E-01	-7.491E-04	1.456E-04	0.000E+00
583	2	-9.947E-05	-1.543E-05	-3.101E-01	-7.486E-04	1.456E-04	0.000E+00
584	1	9.947E-05	-1.525E-11	-3.139E-01	-7.616E-04	1.220E-04	0.000E+00
584	2	-9.947E-05	1.181E-11	-3.139E-01	-7.611E-04	1.220E-04	0.000E+00
585	1	2.221E+00	-1.503E-01	2.136E-01	-2.212E-03	-1.795E-04	0.000E+00
585	2	-2.221E+00	1.539E-01	-8.605E-01	3.675E-03	-7.002E-05	0.000E+00
586	1	2.221E+00	1.951E-01	2.189E-01	-2.225E-03	-2.038E-04	0.000E+00
586	2	-2.222E+00	-1.915E-01	-8.583E-01	3.664E-03	-8.780E-05	0.000E+00
587	1	2.227E+00	1.181E+00	2.306E-01	-2.248E-03	-4.503E-07	0.000E+00
587	2	-2.227E+00	-1.179E+00	-8.506E-01	3.661E-03	-6.219E-08	0.000E+00
588	1	2.233E+00	2.171E+00	2.190E-01	-2.226E-03	2.043E-04	0.000E+00
588	2	-2.232E+00	-2.168E+00	-8.583E-01	3.663E-03	8.683E-05	0.000E+00
589	1	2.233E+00	2.517E+00	2.136E-01	-2.213E-03	1.802E-04	0.000E+00
589	2	-2.233E+00	-2.513E+00	-8.604E-01	3.674E-03	6.919E-05	0.000E+00
590	1	1.839E+00	-1.500E-01	1.444E-01	-2.171E-03	-1.553E-04	0.000E+00

590	2	-1.840E+00	1.531E-01	-7.446E-01	3.684E-03	-6.108E-05	0.000E+00
591	1	1.839E+00	1.951E-01	1.489E-01	-2.213E-03	-2.045E-04	0.000E+00
591	2	-1.839E+00	-1.912E-01	-7.428E-01	3.677E-03	-7.767E-05	0.000E+00
592	1	1.845E+00	1.180E+00	1.598E-01	-2.260E-03	-1.568E-07	0.000E+00
592	2	-1.845E+00	-1.179E+00	-7.352E-01	3.646E-03	-5.392E-08	0.000E+00
593	1	1.852E+00	2.171E+00	1.489E-01	-2.214E-03	2.055E-04	0.000E+00
593	2	-1.852E+00	-2.167E+00	-7.428E-01	3.676E-03	7.654E-05	0.000E+00
594	1	1.851E+00	2.517E+00	1.443E-01	-2.172E-03	1.560E-04	0.000E+00
594	2	-1.851E+00	-2.514E+00	-7.446E-01	3.683E-03	6.037E-05	0.000E+00
595	1	1.460E+00	-1.505E-01	7.575E-02	-2.258E-03	-9.822E-05	0.000E+00
595	2	-1.461E+00	1.530E-01	-6.293E-01	3.589E-03	-3.712E-05	0.000E+00
596	1	1.461E+00	1.939E-01	7.937E-02	-2.272E-03	-1.438E-04	0.000E+00
596	2	-1.461E+00	-1.915E-01	-6.275E-01	3.595E-03	-8.346E-05	0.000E+00
597	1	1.463E+00	1.180E+00	8.781E-02	-2.353E-03	-6.714E-08	0.000E+00
597	2	-1.463E+00	-1.178E+00	-6.216E-01	3.542E-03	9.325E-08	0.000E+00
598	1	1.466E+00	2.170E+00	7.937E-02	-2.272E-03	1.442E-04	0.000E+00
598	2	-1.466E+00	-2.168E+00	-6.275E-01	3.595E-03	8.312E-05	0.000E+00
599	1	1.466E+00	2.517E+00	7.573E-02	-2.259E-03	9.866E-05	0.000E+00
599	2	-1.466E+00	-2.514E+00	-6.293E-01	3.589E-03	3.675E-05	0.000E+00
600	1	-3.093E-05	-1.528E-01	-2.288E-01	-2.918E-03	-1.114E-04	0.000E+00
600	2	-2.932E-05	1.529E-01	-2.288E-01	2.918E-03	-1.113E-04	0.000E+00
601	1	6.231E-06	1.921E-01	-2.258E-01	-2.926E-03	-1.019E-04	0.000E+00
601	2	6.754E-06	-1.921E-01	-2.258E-01	2.926E-03	-1.018E-04	0.000E+00
602	1	2.340E-05	1.178E+00	-2.177E-01	-2.934E-03	7.199E-08	0.000E+00
602	2	2.340E-05	-1.178E+00	-2.177E-01	2.934E-03	7.199E-08	0.000E+00
603	1	4.243E-05	2.168E+00	-2.258E-01	-2.926E-03	1.020E-04	0.000E+00
603	2	4.192E-05	-2.168E+00	-2.258E-01	2.926E-03	1.019E-04	0.000E+00
604	1	8.089E-05	2.514E+00	-2.288E-01	-2.918E-03	1.115E-04	0.000E+00
604	2	7.930E-05	-2.514E+00	-2.288E-01	2.918E-03	1.114E-04	0.000E+00
605	1	-1.461E+00	-1.530E-01	-6.293E-01	-3.589E-03	-3.718E-05	0.000E+00
605	2	1.460E+00	1.505E-01	7.572E-02	2.258E-03	-9.817E-05	0.000E+00
606	1	-1.461E+00	1.914E-01	-6.275E-01	-3.595E-03	-8.351E-05	0.000E+00
606	2	1.461E+00	-1.938E-01	7.934E-02	2.271E-03	-1.437E-04	0.000E+00
607	1	-1.463E+00	1.178E+00	-6.216E-01	-3.541E-03	9.234E-08	0.000E+00
607	2	1.463E+00	-1.180E+00	8.778E-02	2.353E-03	-6.623E-08	0.000E+00
608	1	-1.466E+00	2.168E+00	-6.275E-01	-3.595E-03	8.316E-05	0.000E+00
608	2	1.466E+00	-2.170E+00	7.934E-02	2.272E-03	1.441E-04	0.000E+00
609	1	-1.466E+00	2.514E+00	-6.293E-01	-3.588E-03	3.680E-05	0.000E+00
609	2	1.466E+00	-2.517E+00	7.571E-02	2.258E-03	9.860E-05	0.000E+00
610	1	-1.840E+00	-1.532E-01	-7.445E-01	-3.683E-03	-6.114E-05	0.000E+00
610	2	1.839E+00	1.500E-01	1.443E-01	2.170E-03	-1.552E-04	0.000E+00
611	1	-1.839E+00	1.911E-01	-7.427E-01	-3.676E-03	-7.770E-05	0.000E+00
611	2	1.839E+00	-1.950E-01	1.489E-01	2.212E-03	-2.044E-04	0.000E+00
612	1	-1.845E+00	1.179E+00	-7.352E-01	-3.645E-03	-5.649E-08	0.000E+00
612	2	1.845E+00	-1.180E+00	1.598E-01	2.260E-03	-1.542E-07	0.000E+00
613	1	-1.852E+00	2.167E+00	-7.427E-01	-3.675E-03	7.657E-05	0.000E+00
613	2	1.852E+00	-2.171E+00	1.489E-01	2.213E-03	2.054E-04	0.000E+00
614	1	-1.851E+00	2.514E+00	-7.445E-01	-3.682E-03	6.042E-05	0.000E+00
614	2	1.851E+00	-2.517E+00	1.443E-01	2.171E-03	1.559E-04	0.000E+00
615	1	-2.221E+00	-1.539E-01	-8.604E-01	-3.674E-03	-7.010E-05	0.000E+00
615	2	2.221E+00	1.504E-01	2.135E-01	2.211E-03	-1.794E-04	0.000E+00
616	1	-2.222E+00	1.914E-01	-8.582E-01	-3.663E-03	-8.780E-05	0.000E+00
616	2	2.221E+00	-1.950E-01	2.188E-01	2.224E-03	-2.038E-04	0.000E+00
617	1	-2.227E+00	1.179E+00	-8.505E-01	-3.660E-03	-6.689E-08	0.000E+00
617	2	2.227E+00	-1.181E+00	2.305E-01	2.247E-03	-4.456E-07	0.000E+00
618	1	-2.232E+00	2.168E+00	-8.582E-01	-3.662E-03	8.683E-05	0.000E+00
618	2	2.233E+00	-2.171E+00	2.189E-01	2.225E-03	2.043E-04	0.000E+00
619	1	-2.233E+00	2.513E+00	-8.604E-01	-3.673E-03	6.927E-05	0.000E+00
619	2	2.233E+00	-2.517E+00	2.135E-01	2.212E-03	1.802E-04	0.000E+00
620	1	-1.075E-04	1.287E-04	-3.201E-01	7.611E-04	-1.220E-04	0.000E+00
620	2	1.075E-04	-1.287E-04	-3.202E-01	7.616E-04	-1.220E-04	0.000E+00
621	1	-1.075E-04	1.121E-04	-3.164E-01	7.486E-04	-1.456E-04	0.000E+00

621	2	1.075E-04	-1.121E-04	-3.165E-01	7.491E-04	-1.456E-04	0.000E+00
622	1	-1.075E-04	6.437E-05	-3.064E-01	7.306E-04	1.678E-09	0.000E+00
622	2	1.075E-04	-6.437E-05	-3.065E-01	7.311E-04	-1.678E-09	0.000E+00
623	1	-1.075E-04	1.668E-05	-3.164E-01	7.486E-04	1.456E-04	0.000E+00
623	2	1.075E-04	-1.668E-05	-3.165E-01	7.491E-04	1.456E-04	0.000E+00
624	1	-1.075E-04	-3.595E-11	-3.201E-01	7.611E-04	1.220E-04	0.000E+00
624	2	1.075E-04	-2.163E-11	-3.202E-01	7.616E-04	1.220E-04	0.000E+00
625	1	-8.906E-05	1.287E-04	-2.958E-01	7.845E-04	-1.060E-04	0.000E+00
625	2	8.906E-05	-1.287E-04	-2.959E-01	7.850E-04	-1.061E-04	0.000E+00
626	1	-8.906E-05	1.121E-04	-2.927E-01	7.646E-04	-1.401E-04	0.000E+00
626	2	8.906E-05	-1.121E-04	-2.927E-01	7.651E-04	-1.401E-04	0.000E+00
627	1	-8.906E-05	6.437E-05	-2.834E-01	7.124E-04	1.388E-09	0.000E+00
627	2	8.906E-05	-6.437E-05	-2.835E-01	7.129E-04	-1.388E-09	0.000E+00
628	1	-8.906E-05	1.668E-05	-2.927E-01	7.646E-04	1.401E-04	0.000E+00
628	2	8.906E-05	-1.668E-05	-2.927E-01	7.651E-04	1.401E-04	0.000E+00
629	1	-8.906E-05	-3.595E-11	-2.958E-01	7.845E-04	1.060E-04	0.000E+00
629	2	8.906E-05	-2.163E-11	-2.959E-01	7.850E-04	1.061E-04	0.000E+00
630	1	-7.063E-05	1.287E-04	-2.718E-01	6.798E-04	-6.577E-05	0.000E+00
630	2	7.063E-05	-1.287E-04	-2.718E-01	6.803E-04	-6.578E-05	0.000E+00
631	1	-7.063E-05	1.121E-04	-2.691E-01	6.762E-04	-1.120E-04	0.000E+00
631	2	7.063E-05	-1.121E-04	-2.692E-01	6.767E-04	-1.120E-04	0.000E+00
632	1	-7.063E-05	6.437E-05	-2.620E-01	6.086E-04	1.075E-09	0.000E+00
632	2	7.063E-05	-6.437E-05	-2.621E-01	6.091E-04	-1.075E-09	0.000E+00
633	1	-7.063E-05	1.668E-05	-2.691E-01	6.762E-04	1.120E-04	0.000E+00
633	2	7.063E-05	-1.668E-05	-2.692E-01	6.767E-04	1.120E-04	0.000E+00
634	1	-7.063E-05	-3.595E-11	-2.718E-01	6.798E-04	6.577E-05	0.000E+00
634	2	7.063E-05	-2.163E-11	-2.718E-01	6.803E-04	6.578E-05	0.000E+00
635	1	4.928E-13	1.287E-04	-2.229E-01	-2.428E-07	-1.090E-04	0.000E+00
635	2	5.847E-13	-1.287E-04	-2.229E-01	2.428E-07	-1.090E-04	0.000E+00
636	1	4.928E-13	1.121E-04	-2.200E-01	-2.416E-07	-1.001E-04	0.000E+00
636	2	5.847E-13	-1.121E-04	-2.200E-01	2.416E-07	-1.001E-04	0.000E+00
637	1	4.928E-13	6.437E-05	-2.119E-01	-2.282E-07	1.623E-15	0.000E+00
637	2	5.847E-13	-6.437E-05	-2.119E-01	2.282E-07	1.925E-15	0.000E+00
638	1	4.928E-13	1.668E-05	-2.200E-01	-2.403E-07	1.001E-04	0.000E+00
638	2	5.847E-13	-1.668E-05	-2.200E-01	2.403E-07	1.001E-04	0.000E+00
639	1	4.928E-13	-3.595E-11	-2.229E-01	-2.410E-07	1.090E-04	0.000E+00
639	2	5.847E-13	-2.163E-11	-2.229E-01	2.410E-07	1.090E-04	0.000E+00
640	1	7.063E-05	1.287E-04	-2.718E-01	-6.803E-04	-6.578E-05	0.000E+00
640	2	-7.063E-05	-1.287E-04	-2.718E-01	-6.798E-04	-6.577E-05	0.000E+00
641	1	7.063E-05	1.121E-04	-2.692E-01	-6.767E-04	-1.120E-04	0.000E+00
641	2	-7.063E-05	-1.121E-04	-2.691E-01	-6.762E-04	-1.120E-04	0.000E+00
642	1	7.063E-05	6.437E-05	-2.621E-01	-6.091E-04	-1.075E-09	0.000E+00
642	2	-7.063E-05	-6.437E-05	-2.620E-01	-6.086E-04	1.075E-09	0.000E+00
643	1	7.063E-05	1.668E-05	-2.692E-01	-6.767E-04	1.120E-04	0.000E+00
643	2	-7.063E-05	-1.668E-05	-2.691E-01	-6.762E-04	1.120E-04	0.000E+00
644	1	7.063E-05	-3.595E-11	-2.718E-01	-6.803E-04	6.578E-05	0.000E+00
644	2	-7.063E-05	-2.163E-11	-2.718E-01	-6.798E-04	6.577E-05	0.000E+00
645	1	8.906E-05	1.287E-04	-2.959E-01	-7.850E-04	-1.061E-04	0.000E+00
645	2	-8.906E-05	-1.287E-04	-2.958E-01	-7.845E-04	-1.060E-04	0.000E+00
646	1	8.906E-05	1.121E-04	-2.927E-01	-7.651E-04	-1.401E-04	0.000E+00
646	2	-8.906E-05	-1.121E-04	-2.927E-01	-7.646E-04	-1.401E-04	0.000E+00
647	1	8.906E-05	6.437E-05	-2.835E-01	-7.129E-04	-1.388E-09	0.000E+00
647	2	-8.906E-05	-6.437E-05	-2.834E-01	-7.124E-04	1.388E-09	0.000E+00
648	1	8.906E-05	1.668E-05	-2.927E-01	-7.651E-04	1.401E-04	0.000E+00
648	2	-8.906E-05	-1.668E-05	-2.927E-01	-7.646E-04	1.401E-04	0.000E+00
649	1	8.906E-05	-3.595E-11	-2.959E-01	-7.850E-04	1.061E-04	0.000E+00
649	2	-8.906E-05	-2.163E-11	-2.958E-01	-7.845E-04	1.060E-04	0.000E+00
650	1	1.075E-04	1.287E-04	-3.202E-01	-7.616E-04	-1.220E-04	0.000E+00
650	2	-1.075E-04	-1.287E-04	-3.201E-01	-7.611E-04	-1.220E-04	0.000E+00
651	1	1.075E-04	1.121E-04	-3.165E-01	-7.491E-04	-1.456E-04	0.000E+00
651	2	-1.075E-04	-1.121E-04	-3.164E-01	-7.486E-04	-1.456E-04	0.000E+00
652	1	1.075E-04	6.437E-05	-3.065E-01	-7.311E-04	-1.678E-09	0.000E+00

652	2	-1.075E-04	-6.437E-05	-3.064E-01	-7.306E-04	1.678E-09	0.000E+00
653	1	1.075E-04	1.668E-05	-3.165E-01	-7.491E-04	1.456E-04	0.000E+00
653	2	-1.075E-04	-1.668E-05	-3.164E-01	-7.486E-04	1.456E-04	0.000E+00
654	1	1.075E-04	-3.595E-11	-3.202E-01	-7.616E-04	1.220E-04	0.000E+00
654	2	-1.075E-04	-2.163E-11	-3.201E-01	-7.611E-04	1.220E-04	0.000E+00
655	1	-2.853E-01	9.872E-01	1.071E-01	-1.579E-03	-1.795E-04	0.000E+00
655	2	2.843E-01	-9.831E-01	-7.346E-01	3.042E-03	-7.003E-05	0.000E+00
656	1	-2.849E-01	9.438E-01	1.125E-01	-1.593E-03	-2.038E-04	0.000E+00
656	2	2.835E-01	-9.398E-01	-7.324E-01	3.031E-03	-8.781E-05	0.000E+00
657	1	-2.791E-01	8.178E-01	1.241E-01	-1.615E-03	-4.576E-07	0.000E+00
657	2	2.784E-01	-8.161E-01	-7.247E-01	3.028E-03	-6.952E-08	0.000E+00
658	1	-2.734E-01	6.961E-01	1.125E-01	-1.594E-03	2.043E-04	0.000E+00
658	2	2.733E-01	-6.928E-01	-7.324E-01	3.031E-03	8.683E-05	0.000E+00
659	1	-2.729E-01	6.529E-01	1.072E-01	-1.580E-03	1.802E-04	0.000E+00
659	2	2.725E-01	-6.497E-01	-7.345E-01	3.042E-03	6.919E-05	0.000E+00
660	1	-2.371E-01	9.875E-01	5.784E-02	-1.539E-03	-1.553E-04	0.000E+00
660	2	2.361E-01	-9.839E-01	-6.386E-01	3.052E-03	-6.109E-05	0.000E+00
661	1	-2.379E-01	9.437E-01	6.241E-02	-1.581E-03	-2.045E-04	0.000E+00
661	2	2.370E-01	-9.395E-01	-6.368E-01	3.045E-03	-7.768E-05	0.000E+00
662	1	-2.313E-01	8.170E-01	7.328E-02	-1.628E-03	-1.642E-07	0.000E+00
662	2	2.307E-01	-8.156E-01	-6.293E-01	3.013E-03	-6.125E-08	0.000E+00
663	1	-2.246E-01	6.961E-01	6.243E-02	-1.582E-03	2.055E-04	0.000E+00
663	2	2.243E-01	-6.924E-01	-6.368E-01	3.044E-03	7.654E-05	0.000E+00
664	1	-2.254E-01	6.533E-01	5.783E-02	-1.539E-03	1.560E-04	0.000E+00
664	2	2.252E-01	-6.505E-01	-6.386E-01	3.051E-03	6.036E-05	0.000E+00
665	1	-1.863E-01	9.870E-01	9.151E-03	-1.626E-03	-9.823E-05	0.000E+00
665	2	1.855E-01	-9.840E-01	-5.433E-01	2.957E-03	-3.713E-05	0.000E+00
666	1	-1.860E-01	9.426E-01	1.277E-02	-1.639E-03	-1.438E-04	0.000E+00
666	2	1.853E-01	-9.398E-01	-5.415E-01	2.963E-03	-8.347E-05	0.000E+00
667	1	-1.834E-01	8.167E-01	2.122E-02	-1.721E-03	-7.451E-08	0.000E+00
667	2	1.829E-01	-8.152E-01	-5.356E-01	2.909E-03	8.592E-08	0.000E+00
668	1	-1.808E-01	6.949E-01	1.277E-02	-1.640E-03	1.442E-04	0.000E+00
668	2	1.806E-01	-6.928E-01	-5.415E-01	2.963E-03	8.311E-05	0.000E+00
669	1	-1.805E-01	6.527E-01	9.137E-03	-1.626E-03	9.865E-05	0.000E+00
669	2	1.804E-01	-6.506E-01	-5.432E-01	2.956E-03	3.674E-05	0.000E+00
670	1	-3.572E-05	9.847E-01	-2.191E-01	-2.286E-03	-1.114E-04	0.000E+00
670	2	-3.410E-05	-9.842E-01	-2.191E-01	2.286E-03	-1.113E-04	0.000E+00
671	1	1.449E-06	9.408E-01	-2.160E-01	-2.294E-03	-1.019E-04	0.000E+00
671	2	1.972E-06	-9.404E-01	-2.160E-01	2.294E-03	-1.018E-04	0.000E+00
672	1	1.862E-05	8.151E-01	-2.079E-01	-2.301E-03	6.464E-08	0.000E+00
672	2	1.862E-05	-8.151E-01	-2.079E-01	2.301E-03	6.464E-08	0.000E+00
673	1	3.765E-05	6.931E-01	-2.161E-01	-2.294E-03	1.020E-04	0.000E+00
673	2	3.713E-05	-6.934E-01	-2.160E-01	2.294E-03	1.019E-04	0.000E+00
674	1	7.611E-05	6.503E-01	-2.191E-01	-2.285E-03	1.115E-04	0.000E+00
674	2	7.451E-05	-6.508E-01	-2.191E-01	2.285E-03	1.114E-04	0.000E+00
675	1	1.860E-01	9.845E-01	-5.432E-01	-2.956E-03	-3.718E-05	0.000E+00
675	2	-1.858E-01	-9.865E-01	9.128E-03	1.626E-03	-9.817E-05	0.000E+00
676	1	1.858E-01	9.401E-01	-5.414E-01	-2.963E-03	-8.351E-05	0.000E+00
676	2	-1.854E-01	-9.422E-01	1.275E-02	1.639E-03	-1.437E-04	0.000E+00
677	1	1.835E-01	8.152E-01	-5.355E-01	-2.909E-03	8.500E-08	0.000E+00
677	2	-1.829E-01	-8.166E-01	2.119E-02	1.720E-03	-7.359E-08	0.000E+00
678	1	1.811E-01	6.924E-01	-5.414E-01	-2.963E-03	8.316E-05	0.000E+00
678	2	-1.803E-01	-6.952E-01	1.275E-02	1.639E-03	1.441E-04	0.000E+00
679	1	1.809E-01	6.501E-01	-5.432E-01	-2.956E-03	3.679E-05	0.000E+00
679	2	-1.800E-01	-6.532E-01	9.114E-03	1.626E-03	9.860E-05	0.000E+00
680	1	2.368E-01	9.843E-01	-6.386E-01	-3.051E-03	-6.115E-05	0.000E+00
680	2	-2.365E-01	-9.870E-01	5.779E-02	1.538E-03	-1.552E-04	0.000E+00
681	1	2.377E-01	9.398E-01	-6.368E-01	-3.044E-03	-7.771E-05	0.000E+00
681	2	-2.372E-01	-9.433E-01	6.236E-02	1.580E-03	-2.045E-04	0.000E+00
682	1	2.313E-01	8.156E-01	-6.292E-01	-3.013E-03	-6.383E-08	0.000E+00
682	2	-2.306E-01	-8.170E-01	7.324E-02	1.628E-03	-1.616E-07	0.000E+00
683	1	2.250E-01	6.920E-01	-6.367E-01	-3.043E-03	7.656E-05	0.000E+00

683	2	-2.240E-01	-6.964E-01	6.238E-02	1.581E-03	2.054E-04	0.000E+00
684	1	2.259E-01	6.500E-01	-6.385E-01	-3.050E-03	6.042E-05	0.000E+00
684	2	-2.247E-01	-6.537E-01	5.779E-02	1.539E-03	1.559E-04	0.000E+00
685	1	2.851E-01	9.836E-01	-7.345E-01	-3.041E-03	-7.011E-05	0.000E+00
685	2	-2.845E-01	-9.866E-01	1.071E-01	1.578E-03	-1.794E-04	0.000E+00
686	1	2.843E-01	9.401E-01	-7.324E-01	-3.030E-03	-8.781E-05	0.000E+00
686	2	-2.840E-01	-9.434E-01	1.124E-01	1.592E-03	-2.038E-04	0.000E+00
687	1	2.792E-01	8.161E-01	-7.246E-01	-3.028E-03	-7.422E-08	0.000E+00
687	2	-2.783E-01	-8.178E-01	1.241E-01	1.614E-03	-4.530E-07	0.000E+00
688	1	2.741E-01	6.923E-01	-7.323E-01	-3.030E-03	8.682E-05	0.000E+00
688	2	-2.726E-01	-6.964E-01	1.125E-01	1.593E-03	2.043E-04	0.000E+00
689	1	2.734E-01	6.492E-01	-7.345E-01	-3.041E-03	6.926E-05	0.000E+00
689	2	-2.721E-01	-6.533E-01	1.071E-01	1.579E-03	1.802E-04	0.000E+00
690	1	-2.997E-03	1.811E-03	-3.022E-01	7.612E-04	-1.220E-04	0.000E+00
690	2	-2.944E-03	1.747E-03	-3.022E-01	7.614E-04	-1.220E-04	0.000E+00
691	1	-2.997E-03	1.346E-03	-2.985E-01	7.488E-04	-1.456E-04	0.000E+00
691	2	-2.944E-03	1.290E-03	-2.985E-01	7.490E-04	-1.456E-04	0.000E+00
692	1	-2.997E-03	1.623E-05	-2.886E-01	7.308E-04	6.159E-09	0.000E+00
692	2	-2.944E-03	-1.623E-05	-2.886E-01	7.310E-04	-6.159E-09	0.000E+00
693	1	-2.997E-03	-1.313E-03	-2.985E-01	7.488E-04	1.456E-04	0.000E+00
693	2	-2.944E-03	-1.322E-03	-2.985E-01	7.490E-04	1.456E-04	0.000E+00
694	1	-2.997E-03	-1.778E-03	-3.022E-01	7.612E-04	1.220E-04	0.000E+00
694	2	-2.944E-03	-1.779E-03	-3.022E-01	7.614E-04	1.220E-04	0.000E+00
695	1	-2.483E-03	1.811E-03	-2.779E-01	7.846E-04	-1.060E-04	0.000E+00
695	2	-2.439E-03	1.747E-03	-2.779E-01	7.848E-04	-1.061E-04	0.000E+00
696	1	-2.483E-03	1.346E-03	-2.748E-01	7.648E-04	-1.401E-04	0.000E+00
696	2	-2.439E-03	1.290E-03	-2.748E-01	7.649E-04	-1.401E-04	0.000E+00
697	1	-2.483E-03	1.623E-05	-2.655E-01	7.125E-04	5.092E-09	0.000E+00
697	2	-2.439E-03	-1.623E-05	-2.656E-01	7.127E-04	-5.092E-09	0.000E+00
698	1	-2.483E-03	-1.313E-03	-2.748E-01	7.648E-04	1.401E-04	0.000E+00
698	2	-2.439E-03	-1.322E-03	-2.748E-01	7.649E-04	1.401E-04	0.000E+00
699	1	-2.483E-03	-1.778E-03	-2.779E-01	7.846E-04	1.061E-04	0.000E+00
699	2	-2.439E-03	-1.779E-03	-2.779E-01	7.848E-04	1.060E-04	0.000E+00
700	1	-1.969E-03	1.811E-03	-2.539E-01	6.800E-04	-6.577E-05	0.000E+00
700	2	-1.935E-03	1.747E-03	-2.539E-01	6.802E-04	-6.578E-05	0.000E+00
701	1	-1.969E-03	1.346E-03	-2.512E-01	6.764E-04	-1.120E-04	0.000E+00
701	2	-1.935E-03	1.290E-03	-2.512E-01	6.766E-04	-1.120E-04	0.000E+00
702	1	-1.969E-03	1.623E-05	-2.441E-01	6.087E-04	3.946E-09	0.000E+00
702	2	-1.935E-03	-1.623E-05	-2.441E-01	6.089E-04	-3.946E-09	0.000E+00
703	1	-1.969E-03	-1.313E-03	-2.512E-01	6.764E-04	1.120E-04	0.000E+00
703	2	-1.935E-03	-1.322E-03	-2.512E-01	6.766E-04	1.120E-04	0.000E+00
704	1	-1.969E-03	-1.778E-03	-2.539E-01	6.800E-04	6.578E-05	0.000E+00
704	2	-1.935E-03	-1.779E-03	-2.539E-01	6.802E-04	6.578E-05	0.000E+00
705	1	-3.591E-13	1.811E-03	-2.050E-01	-8.443E-08	-1.090E-04	0.000E+00
705	2	-3.064E-13	1.747E-03	-2.050E-01	8.443E-08	-1.090E-04	0.000E+00
706	1	-3.591E-13	1.346E-03	-2.020E-01	-8.328E-08	-1.001E-04	0.000E+00
706	2	-3.064E-13	1.290E-03	-2.020E-01	8.328E-08	-1.001E-04	0.000E+00
707	1	-3.591E-13	1.623E-05	-1.940E-01	-7.540E-08	-1.537E-15	0.000E+00
707	2	-3.064E-13	-1.623E-05	-1.940E-01	7.540E-08	-1.312E-15	0.000E+00
708	1	-3.591E-13	-1.313E-03	-2.020E-01	-7.841E-08	1.001E-04	0.000E+00
708	2	-3.064E-13	-1.322E-03	-2.020E-01	7.841E-08	1.001E-04	0.000E+00
709	1	-3.591E-13	-1.778E-03	-2.050E-01	-7.809E-08	1.090E-04	0.000E+00
709	2	-3.064E-13	-1.779E-03	-2.050E-01	7.809E-08	1.090E-04	0.000E+00
710	1	1.969E-03	1.811E-03	-2.539E-01	-6.802E-04	-6.578E-05	0.000E+00
710	2	1.935E-03	1.747E-03	-2.539E-01	-6.800E-04	-6.577E-05	0.000E+00
711	1	1.969E-03	1.346E-03	-2.512E-01	-6.766E-04	-1.120E-04	0.000E+00
711	2	1.935E-03	1.290E-03	-2.512E-01	-6.764E-04	-1.120E-04	0.000E+00
712	1	1.969E-03	1.623E-05	-2.441E-01	-6.089E-04	-3.946E-09	0.000E+00
712	2	1.935E-03	-1.623E-05	-2.441E-01	-6.087E-04	3.946E-09	0.000E+00
713	1	1.969E-03	-1.313E-03	-2.512E-01	-6.766E-04	1.120E-04	0.000E+00
713	2	1.935E-03	-1.322E-03	-2.512E-01	-6.764E-04	1.120E-04	0.000E+00
714	1	1.969E-03	-1.778E-03	-2.539E-01	-6.802E-04	6.578E-05	0.000E+00

714	2	1.935E-03	-1.779E-03	-2.539E-01	-6.800E-04	6.578E-05	0.000E+00
715	1	2.483E-03	1.811E-03	-2.779E-01	-7.848E-04	-1.061E-04	0.000E+00
715	2	2.439E-03	1.747E-03	-2.779E-01	-7.846E-04	-1.060E-04	0.000E+00
716	1	2.483E-03	1.346E-03	-2.748E-01	-7.649E-04	-1.401E-04	0.000E+00
716	2	2.439E-03	1.290E-03	-2.748E-01	-7.648E-04	-1.401E-04	0.000E+00
717	1	2.483E-03	1.623E-05	-2.656E-01	-7.127E-04	-5.092E-09	0.000E+00
717	2	2.439E-03	-1.623E-05	-2.655E-01	-7.125E-04	5.092E-09	0.000E+00
718	1	2.483E-03	-1.313E-03	-2.748E-01	-7.649E-04	1.401E-04	0.000E+00
718	2	2.439E-03	-1.322E-03	-2.748E-01	-7.648E-04	1.401E-04	0.000E+00
719	1	2.483E-03	-1.778E-03	-2.779E-01	-7.848E-04	1.060E-04	0.000E+00
719	2	2.439E-03	-1.779E-03	-2.779E-01	-7.846E-04	1.061E-04	0.000E+00
720	1	2.997E-03	1.811E-03	-3.022E-01	-7.614E-04	-1.220E-04	0.000E+00
720	2	2.944E-03	1.747E-03	-3.022E-01	-7.612E-04	-1.220E-04	0.000E+00
721	1	2.997E-03	1.346E-03	-2.985E-01	-7.490E-04	-1.456E-04	0.000E+00
721	2	2.944E-03	1.290E-03	-2.985E-01	-7.488E-04	-1.456E-04	0.000E+00
722	1	2.997E-03	1.623E-05	-2.886E-01	-7.310E-04	-6.159E-09	0.000E+00
722	2	2.944E-03	-1.623E-05	-2.886E-01	-7.308E-04	6.159E-09	0.000E+00
723	1	2.997E-03	-1.313E-03	-2.985E-01	-7.490E-04	1.456E-04	0.000E+00
723	2	2.944E-03	-1.322E-03	-2.985E-01	-7.488E-04	1.456E-04	0.000E+00
724	1	2.997E-03	-1.778E-03	-3.022E-01	-7.614E-04	1.220E-04	0.000E+00
724	2	2.944E-03	-1.779E-03	-3.022E-01	-7.612E-04	1.220E-04	0.000E+00
1000	1	6.389E-02	-1.483E-01	5.025E-02	-6.257E-05	3.453E-03	2.172E-03
1000	2	1.015E-02	1.484E-01	7.536E-02	-2.209E-04	3.463E-03	-2.173E-03
1001	1	1.016E-02	-1.483E-01	7.459E-02	2.209E-04	3.452E-03	2.169E-03
1001	2	6.389E-02	1.482E-01	5.102E-02	6.257E-05	3.464E-03	-2.169E-03
1002	1	6.424E-02	1.529E-03	-1.879E-01	-6.257E-05	3.453E-03	2.172E-03
1002	2	1.050E-02	-1.478E-03	-1.635E-01	-2.209E-04	3.463E-03	-2.173E-03
1003	1	1.050E-02	1.359E-03	-1.635E-01	2.209E-04	3.452E-03	2.169E-03
1003	2	6.424E-02	-1.410E-03	-1.879E-01	6.257E-05	3.464E-03	-2.169E-03
1004	1	6.927E-02	4.096E-01	-8.201E-01	-3.339E-04	3.342E-03	2.304E-03
1004	2	6.857E-03	-4.096E-01	-7.975E-01	-4.952E-04	3.352E-03	-2.305E-03
1005	1	6.856E-03	4.088E-01	-7.955E-01	4.952E-04	3.340E-03	2.300E-03
1005	2	6.927E-02	-4.088E-01	-8.221E-01	3.339E-04	3.353E-03	-2.299E-03
1006	1	8.102E-02	1.648E+00	-2.280E+00	-4.585E-04	2.092E-03	2.466E-03
1006	2	-2.042E-03	-1.648E+00	-2.263E+00	-6.234E-04	2.102E-03	-2.467E-03
1007	1	-2.048E-03	1.647E+00	-2.255E+00	6.234E-04	2.090E-03	2.467E-03
1007	2	8.102E-02	-1.647E+00	-2.288E+00	4.585E-04	2.103E-03	-2.466E-03
1008	1	8.996E-02	2.898E+00	-2.848E+00	-5.199E-04	3.150E-05	2.361E-03
1008	2	-9.873E-03	-2.898E+00	-2.836E+00	-6.883E-04	4.168E-05	-2.362E-03
1009	1	-9.885E-03	2.897E+00	-2.823E+00	6.883E-04	3.048E-05	2.362E-03
1009	2	8.997E-02	-2.897E+00	-2.862E+00	5.199E-04	4.270E-05	-2.361E-03
1010	1	9.601E-02	4.047E+00	-2.312E+00	-4.551E-04	-2.029E-03	2.096E-03
1010	2	-1.696E-02	-4.047E+00	-2.305E+00	-6.268E-04	-2.018E-03	-2.097E-03
1011	1	-1.698E-02	4.046E+00	-2.286E+00	6.268E-04	-2.029E-03	2.096E-03
1011	2	9.603E-02	-4.046E+00	-2.331E+00	4.551E-04	-2.017E-03	-2.095E-03
1012	1	9.965E-02	5.037E+00	-8.843E-01	-3.270E-04	-3.278E-03	1.768E-03
1012	2	-2.338E-02	-5.037E+00	-8.825E-01	-5.021E-04	-3.268E-03	-1.769E-03
1013	1	-2.340E-02	5.037E+00	-8.576E-01	5.021E-04	-3.279E-03	1.774E-03
1013	2	9.967E-02	-5.037E+00	-9.091E-01	3.270E-04	-3.267E-03	-1.773E-03
1014	1	1.003E-01	5.349E+00	-2.635E-01	-5.421E-05	-3.390E-03	1.667E-03
1014	2	-2.541E-02	-5.349E+00	-2.636E-01	-2.293E-04	-3.380E-03	-1.667E-03
1015	1	-2.543E-02	5.348E+00	-2.367E-01	2.293E-04	-3.391E-03	1.670E-03
1015	2	1.003E-01	-5.348E+00	-2.904E-01	5.423E-05	-3.379E-03	-1.670E-03
1016	1	1.003E-01	5.464E+00	-2.970E-02	-5.421E-05	-3.390E-03	1.667E-03
1016	2	-2.541E-02	-5.464E+00	-3.043E-02	-2.293E-04	-3.380E-03	-1.667E-03
1017	1	-2.543E-02	5.464E+00	-2.792E-03	2.293E-04	-3.391E-03	1.670E-03
1017	2	1.003E-01	-5.464E+00	-5.733E-02	5.423E-05	-3.379E-03	-1.670E-03
1018	1	-2.746E-01	9.824E+00	6.781E-01	-2.424E-03	3.575E-03	-3.047E-03
1018	2	2.720E-01	-9.823E+00	-7.318E-01	2.141E-03	3.287E-03	3.047E-03
1019	1	2.714E-01	9.824E+00	-1.681E-02	-2.141E-03	3.577E-03	-3.050E-03
1019	2	-2.738E-01	-9.823E+00	-3.689E-02	2.424E-03	3.286E-03	3.050E-03
1020	1	-2.746E-01	9.614E+00	4.315E-01	-2.424E-03	3.575E-03	-3.047E-03

1020	2	2.720E-01	-9.613E+00	-9.586E-01	2.141E-03	3.288E-03	3.047E-03
1021	1	2.714E-01	9.613E+00	-2.636E-01	-2.141E-03	3.577E-03	-3.050E-03
1021	2	-2.738E-01	-9.612E+00	-2.635E-01	2.424E-03	3.286E-03	3.050E-03
1022	1	-2.725E-01	9.053E+00	-2.228E-01	-2.699E-03	3.464E-03	-3.150E-03
1022	2	2.713E-01	-9.052E+00	-1.561E+00	1.870E-03	3.176E-03	3.148E-03
1023	1	2.707E-01	9.052E+00	-9.182E-01	-1.870E-03	3.466E-03	-3.153E-03
1023	2	-2.718E-01	-9.051E+00	-8.654E-01	2.699E-03	3.174E-03	3.154E-03
1024	1	-2.660E-01	7.361E+00	-1.745E+00	-2.828E-03	2.214E-03	-3.477E-03
1024	2	2.676E-01	-7.361E+00	-2.936E+00	1.746E-03	1.926E-03	3.476E-03
1025	1	2.672E-01	7.360E+00	-2.441E+00	-1.746E-03	2.216E-03	-3.476E-03
1025	2	-2.654E-01	-7.360E+00	-2.240E+00	2.828E-03	1.924E-03	3.476E-03
1026	1	-2.588E-01	5.509E+00	-2.376E+00	-2.894E-03	1.539E-04	-3.742E-03
1026	2	2.615E-01	-5.509E+00	-3.420E+00	1.686E-03	-1.339E-04	3.741E-03
1027	1	2.612E-01	5.508E+00	-3.073E+00	-1.686E-03	1.557E-04	-3.741E-03
1027	2	-2.584E-01	-5.508E+00	-2.723E+00	2.894E-03	-1.357E-04	3.742E-03
1028	1	-2.509E-01	3.557E+00	-1.902E+00	-2.834E-03	-1.906E-03	-3.845E-03
1028	2	2.525E-01	-3.556E+00	-2.800E+00	1.752E-03	-2.194E-03	3.847E-03
1029	1	2.524E-01	3.555E+00	-2.600E+00	-1.752E-03	-1.904E-03	-3.848E-03
1029	2	-2.506E-01	-3.555E+00	-2.102E+00	2.834E-03	-2.196E-03	3.845E-03
1030	1	-2.419E-01	1.616E+00	-5.365E-01	-2.710E-03	-3.156E-03	-3.696E-03
1030	2	2.407E-01	-1.617E+00	-1.288E+00	1.881E-03	-3.444E-03	3.672E-03
1031	1	2.407E-01	1.616E+00	-1.235E+00	-1.881E-03	-3.154E-03	-3.668E-03
1031	2	-2.417E-01	-1.615E+00	-5.890E-01	2.710E-03	-3.445E-03	3.691E-03
1032	1	-2.382E-01	9.554E-01	6.206E-02	-2.438E-03	-3.267E-03	-3.570E-03
1032	2	2.357E-01	-9.624E-01	-6.372E-01	2.154E-03	-3.556E-03	3.536E-03
1033	1	2.357E-01	9.624E-01	-6.371E-01	-2.154E-03	-3.266E-03	-3.533E-03
1033	2	-2.381E-01	-9.553E-01	6.202E-02	2.438E-03	-3.557E-03	3.566E-03
1034	1	-2.385E-01	7.093E-01	2.874E-01	-2.438E-03	-3.267E-03	-3.570E-03
1034	2	2.353E-01	-7.187E-01	-3.919E-01	2.154E-03	-3.555E-03	3.536E-03
1035	1	2.354E-01	7.188E-01	-4.118E-01	-2.154E-03	-3.266E-03	-3.533E-03
1035	2	-2.385E-01	-7.095E-01	3.074E-01	2.438E-03	-3.557E-03	3.566E-03
1036	1	-2.197E-01	6.716E-01	2.883E-01	-2.440E-03	3.280E-03	5.628E-04
1036	2	2.216E-01	-6.812E-01	-3.913E-01	2.156E-03	3.564E-03	-5.297E-04
1037	1	2.217E-01	6.813E-01	-4.111E-01	-2.156E-03	3.276E-03	5.258E-04
1037	2	-2.197E-01	-6.718E-01	3.081E-01	2.440E-03	3.568E-03	-5.597E-04
1038	1	-2.194E-01	7.107E-01	6.207E-02	-2.440E-03	3.280E-03	5.629E-04
1038	2	2.219E-01	-7.179E-01	-6.371E-01	2.156E-03	3.564E-03	-5.298E-04
1039	1	2.220E-01	7.178E-01	-6.371E-01	-2.156E-03	3.276E-03	5.258E-04
1039	2	-2.193E-01	-7.106E-01	6.202E-02	2.440E-03	3.568E-03	-5.597E-04
1040	1	-2.144E-01	8.279E-01	-5.389E-01	-2.709E-03	3.169E-03	6.889E-04
1040	2	2.183E-01	-8.291E-01	-1.289E+00	1.880E-03	3.452E-03	-6.669E-04
1041	1	2.183E-01	8.283E-01	-1.237E+00	-1.880E-03	3.165E-03	6.619E-04
1041	2	-2.142E-01	-8.273E-01	-5.909E-01	2.709E-03	3.456E-03	-6.847E-04
1042	1	-2.027E-01	1.241E+00	-1.911E+00	-2.829E-03	1.919E-03	8.373E-04
1042	2	2.095E-01	-1.241E+00	-2.806E+00	1.747E-03	2.202E-03	-8.423E-04
1043	1	2.093E-01	1.239E+00	-2.607E+00	-1.747E-03	1.915E-03	8.424E-04
1043	2	-2.024E-01	-1.240E+00	-2.109E+00	2.829E-03	2.206E-03	-8.383E-04
1044	1	-1.938E-01	1.662E+00	-2.391E+00	-2.885E-03	-1.411E-04	7.345E-04
1044	2	2.017E-01	-1.662E+00	-3.430E+00	1.677E-03	1.422E-04	-7.358E-04
1045	1	2.014E-01	1.661E+00	-3.086E+00	-1.677E-03	-1.451E-04	7.354E-04
1045	2	-1.934E-01	-1.661E+00	-2.736E+00	2.885E-03	1.462E-04	-7.349E-04
1046	1	-1.879E-01	1.983E+00	-1.767E+00	-2.815E-03	-2.201E-03	4.694E-04
1046	2	1.946E-01	-1.984E+00	-2.951E+00	1.734E-03	-1.918E-03	-4.709E-04
1047	1	1.942E-01	1.982E+00	-2.459E+00	-1.734E-03	-2.205E-03	4.700E-04
1047	2	-1.873E-01	-1.982E+00	-2.258E+00	2.815E-03	-1.914E-03	-4.694E-04
1048	1	-1.843E-01	2.146E+00	-2.513E-01	-2.682E-03	-3.451E-03	1.420E-04
1048	2	1.883E-01	-2.147E+00	-1.579E+00	1.853E-03	-3.168E-03	-1.432E-04
1049	1	1.877E-01	2.146E+00	-9.416E-01	-1.853E-03	-3.455E-03	1.471E-04
1049	2	-1.836E-01	-2.147E+00	-8.889E-01	2.682E-03	-3.164E-03	-1.467E-04
1050	1	-1.837E-01	2.164E+00	4.007E-01	-2.408E-03	-3.563E-03	4.028E-05
1050	2	1.863E-01	-2.165E+00	-9.785E-01	2.124E-03	-3.279E-03	-4.098E-05
1051	1	1.856E-01	2.163E+00	-2.889E-01	-2.124E-03	-3.567E-03	4.366E-05

1051	2	-1.829E-01	-2.164E+00	-2.889E-01	2.408E-03	-3.275E-03	-4.378E-05
1052	1	-1.837E-01	2.166E+00	6.465E-01	-2.408E-03	-3.563E-03	4.038E-05
1052	2	1.863E-01	-2.167E+00	-7.523E-01	2.124E-03	-3.279E-03	-4.108E-05
1053	1	1.856E-01	2.166E+00	-4.291E-02	-2.124E-03	-3.566E-03	4.366E-05
1053	2	-1.829E-01	-2.167E+00	-6.293E-02	2.408E-03	-3.275E-03	-4.378E-05
1054	1	-1.071E-01	7.165E+00	7.322E-01	-2.684E-03	3.583E-03	-1.947E-03
1054	2	1.045E-01	-7.160E+00	-8.378E-01	2.400E-03	3.262E-03	1.946E-03
1055	1	1.039E-01	7.165E+00	-4.164E-02	-2.400E-03	3.585E-03	-1.950E-03
1055	2	-1.061E-01	-7.160E+00	-6.397E-02	2.684E-03	3.260E-03	1.949E-03
1056	1	-1.071E-01	7.030E+00	4.850E-01	-2.684E-03	3.583E-03	-1.947E-03
1056	2	1.045E-01	-7.026E+00	-1.063E+00	2.400E-03	3.263E-03	1.945E-03
1057	1	1.039E-01	7.030E+00	-2.889E-01	-2.400E-03	3.585E-03	-1.950E-03
1057	2	-1.061E-01	-7.026E+00	-2.889E-01	2.684E-03	3.260E-03	1.949E-03
1058	1	-1.051E-01	6.669E+00	-1.706E-01	-2.958E-03	3.471E-03	-2.050E-03
1058	2	1.038E-01	-6.665E+00	-1.660E+00	2.129E-03	3.151E-03	2.047E-03
1059	1	1.033E-01	6.668E+00	-9.450E-01	-2.129E-03	3.473E-03	-2.053E-03
1059	2	-1.041E-01	-6.664E+00	-8.862E-01	2.958E-03	3.149E-03	2.052E-03
1060	1	-9.856E-02	5.537E+00	-1.697E+00	-3.088E-03	2.221E-03	-2.377E-03
1060	2	1.001E-01	-5.534E+00	-3.023E+00	2.006E-03	1.901E-03	2.375E-03
1061	1	9.976E-02	5.536E+00	-2.472E+00	-2.006E-03	2.223E-03	-2.376E-03
1061	2	-9.777E-02	-5.533E+00	-2.248E+00	3.088E-03	1.899E-03	2.375E-03
1062	1	-9.137E-02	4.246E+00	-2.331E+00	-3.155E-03	1.614E-04	-2.642E-03
1062	2	9.395E-02	-4.244E+00	-3.495E+00	1.947E-03	-1.590E-04	2.639E-03
1063	1	9.381E-02	4.245E+00	-3.108E+00	-1.947E-03	1.634E-04	-2.641E-03
1063	2	-9.073E-02	-4.243E+00	-2.718E+00	3.155E-03	-1.611E-04	2.641E-03
1064	1	-8.344E-02	2.855E+00	-1.861E+00	-3.095E-03	-1.899E-03	-2.745E-03
1064	2	8.495E-02	-2.853E+00	-2.861E+00	2.013E-03	-2.219E-03	2.746E-03
1065	1	8.496E-02	2.853E+00	-2.639E+00	-2.013E-03	-1.897E-03	-2.748E-03
1065	2	-8.296E-02	-2.852E+00	-2.084E+00	3.095E-03	-2.221E-03	2.744E-03
1066	1	-7.444E-02	1.474E+00	-4.995E-01	-2.972E-03	-3.148E-03	-2.596E-03
1066	2	7.313E-02	-1.475E+00	-1.336E+00	2.143E-03	-3.469E-03	2.571E-03
1067	1	7.331E-02	1.474E+00	-1.278E+00	-2.143E-03	-3.147E-03	-2.568E-03
1067	2	-7.412E-02	-1.473E+00	-5.579E-01	2.972E-03	-3.471E-03	2.590E-03
1068	1	-7.075E-02	1.013E+00	9.775E-02	-2.699E-03	-3.260E-03	-2.470E-03
1068	2	6.808E-02	-1.020E+00	-6.812E-01	2.416E-03	-3.581E-03	2.435E-03
1069	1	6.832E-02	1.020E+00	-6.811E-01	-2.416E-03	-3.258E-03	-2.433E-03
1069	2	-7.051E-02	-1.013E+00	9.770E-02	2.699E-03	-3.582E-03	2.464E-03
1070	1	-7.108E-02	8.426E-01	3.226E-01	-2.699E-03	-3.260E-03	-2.469E-03
1070	2	6.772E-02	-8.519E-01	-4.342E-01	2.416E-03	-3.581E-03	2.434E-03
1071	1	6.799E-02	8.521E-01	-4.564E-01	-2.416E-03	-3.258E-03	-2.433E-03
1071	2	-7.086E-02	-8.427E-01	3.448E-01	2.699E-03	-3.582E-03	2.464E-03
1072	1	-5.225E-02	8.324E-01	3.231E-01	-2.702E-03	3.266E-03	1.663E-03
1072	2	5.396E-02	-8.420E-01	-4.341E-01	2.418E-03	3.582E-03	-1.631E-03
1073	1	5.424E-02	8.421E-01	-4.561E-01	-2.418E-03	3.262E-03	1.626E-03
1073	2	-5.204E-02	-8.326E-01	3.451E-01	2.702E-03	3.587E-03	-1.661E-03
1074	1	-5.192E-02	9.474E-01	9.776E-02	-2.702E-03	3.267E-03	1.663E-03
1074	2	5.432E-02	-9.548E-01	-6.812E-01	2.418E-03	3.582E-03	-1.631E-03
1075	1	5.457E-02	9.545E-01	-6.811E-01	-2.418E-03	3.262E-03	1.626E-03
1075	2	-5.168E-02	-9.474E-01	9.771E-02	2.702E-03	3.587E-03	-1.661E-03
1076	1	-4.693E-02	1.264E+00	-5.006E-01	-2.971E-03	3.155E-03	1.789E-03
1076	2	5.070E-02	-1.265E+00	-1.337E+00	2.142E-03	3.471E-03	-1.768E-03
1077	1	5.088E-02	1.264E+00	-1.279E+00	-2.142E-03	3.151E-03	1.762E-03
1077	2	-4.663E-02	-1.263E+00	-5.586E-01	2.971E-03	3.475E-03	-1.786E-03
1078	1	-3.527E-02	2.237E+00	-1.866E+00	-3.090E-03	1.905E-03	1.937E-03
1078	2	4.186E-02	-2.237E+00	-2.862E+00	2.008E-03	2.221E-03	-1.944E-03
1079	1	4.188E-02	2.235E+00	-2.641E+00	-2.008E-03	1.901E-03	1.942E-03
1079	2	-3.481E-02	-2.237E+00	-2.087E+00	3.090E-03	2.225E-03	-1.940E-03
1080	1	-2.642E-02	3.219E+00	-2.339E+00	-3.146E-03	-1.550E-04	1.835E-03
1080	2	3.409E-02	-3.221E+00	-3.497E+00	1.938E-03	1.608E-04	-1.837E-03
1081	1	3.395E-02	3.218E+00	-3.112E+00	-1.938E-03	-1.594E-04	1.835E-03
1081	2	-2.580E-02	-3.220E+00	-2.723E+00	3.146E-03	1.651E-04	-1.836E-03
1082	1	-2.046E-02	4.101E+00	-1.707E+00	-3.075E-03	-2.215E-03	1.570E-03

1082	2	2.706E-02	-4.104E+00	-3.026E+00	1.994E-03	-1.899E-03	-1.572E-03
1083	1	2.676E-02	4.100E+00	-2.479E+00	-1.994E-03	-2.219E-03	1.570E-03
1083	2	-1.968E-02	-4.103E+00	-2.255E+00	3.075E-03	-1.895E-03	-1.571E-03
1084	1	-1.692E-02	4.825E+00	-1.846E-01	-2.942E-03	-3.465E-03	1.242E-03
1084	2	2.070E-02	-4.828E+00	-1.664E+00	2.113E-03	-3.149E-03	-1.245E-03
1085	1	2.025E-02	4.824E+00	-9.539E-01	-2.113E-03	-3.469E-03	1.247E-03
1085	2	-1.598E-02	-4.828E+00	-8.952E-01	2.942E-03	-3.145E-03	-1.248E-03
1086	1	-1.629E-02	5.041E+00	4.699E-01	-2.667E-03	-3.577E-03	1.140E-03
1086	2	1.870E-02	-5.045E+00	-1.067E+00	2.384E-03	-3.261E-03	-1.142E-03
1087	1	1.818E-02	5.041E+00	-2.986E-01	-2.384E-03	-3.581E-03	1.144E-03
1087	2	-1.528E-02	-5.045E+00	-2.986E-01	2.667E-03	-3.257E-03	-1.145E-03
1088	1	-1.629E-02	5.120E+00	7.166E-01	-2.667E-03	-3.577E-03	1.140E-03
1088	2	1.870E-02	-5.124E+00	-8.422E-01	2.384E-03	-3.260E-03	-1.142E-03
1089	1	1.818E-02	5.120E+00	-5.165E-02	-2.384E-03	-3.581E-03	1.144E-03
1089	2	-1.528E-02	-5.124E+00	-7.395E-02	2.667E-03	-3.256E-03	-1.145E-03
1090	1	1.625E+00	-2.208E+01	6.035E-01	-2.300E-03	3.552E-03	9.434E-03
1090	2	-1.627E+00	2.207E+01	-7.295E-01	2.016E-03	3.280E-03	-9.432E-03
1091	1	-1.628E+00	-2.208E+01	-5.352E-02	-2.016E-03	3.554E-03	9.431E-03
1091	2	1.625E+00	2.207E+01	-7.245E-02	2.300E-03	3.278E-03	-9.429E-03
1092	1	1.625E+00	-2.143E+01	3.585E-01	-2.300E-03	3.552E-03	9.434E-03
1092	2	-1.627E+00	2.142E+01	-9.557E-01	2.016E-03	3.280E-03	-9.432E-03
1093	1	-1.628E+00	-2.143E+01	-2.987E-01	-2.016E-03	3.554E-03	9.431E-03
1093	2	1.625E+00	2.142E+01	-2.986E-01	2.300E-03	3.278E-03	-9.429E-03
1094	1	1.627E+00	-1.973E+01	-2.916E-01	-2.574E-03	3.441E-03	9.331E-03
1094	2	-1.628E+00	1.972E+01	-1.557E+00	1.745E-03	3.168E-03	-9.330E-03
1095	1	-1.629E+00	-1.973E+01	-9.490E-01	-1.745E-03	3.442E-03	9.328E-03
1095	2	1.627E+00	1.972E+01	-8.991E-01	2.574E-03	3.167E-03	-9.325E-03
1096	1	1.634E+00	-1.507E+01	-1.802E+00	-2.703E-03	2.191E-03	9.004E-03
1096	2	-1.632E+00	1.506E+01	-2.928E+00	1.621E-03	1.918E-03	-9.003E-03
1097	1	-1.632E+00	-1.507E+01	-2.460E+00	-1.621E-03	2.192E-03	9.005E-03
1097	2	1.634E+00	1.506E+01	-2.270E+00	2.703E-03	1.917E-03	-9.002E-03
1098	1	1.641E+00	-1.055E+01	-2.421E+00	-2.769E-03	1.306E-04	8.739E-03
1098	2	-1.638E+00	1.055E+01	-3.408E+00	1.561E-03	-1.416E-04	-8.738E-03
1099	1	-1.638E+00	-1.055E+01	-3.080E+00	-1.561E-03	1.322E-04	8.740E-03
1099	2	1.641E+00	1.055E+01	-2.749E+00	2.769E-03	-1.431E-04	-8.737E-03
1100	1	1.649E+00	-6.140E+00	-1.935E+00	-2.708E-03	-1.929E-03	8.636E-03
1100	2	-1.647E+00	6.139E+00	-2.784E+00	1.627E-03	-2.202E-03	-8.631E-03
1101	1	-1.647E+00	-6.142E+00	-2.595E+00	-1.627E-03	-1.928E-03	8.633E-03
1101	2	1.649E+00	6.140E+00	-2.124E+00	2.708E-03	-2.203E-03	-8.633E-03
1102	1	1.658E+00	-1.728E+00	-5.578E-01	-2.585E-03	-3.179E-03	8.785E-03
1102	2	-1.659E+00	1.727E+00	-1.268E+00	1.756E-03	-3.452E-03	-8.806E-03
1103	1	-1.659E+00	-1.728E+00	-1.218E+00	-1.756E-03	-3.178E-03	8.813E-03
1103	2	1.658E+00	1.728E+00	-6.074E-01	2.585E-03	-3.453E-03	-8.787E-03
1104	1	1.661E+00	-1.296E-01	4.500E-02	-2.312E-03	-3.291E-03	8.911E-03
1104	2	-1.664E+00	1.223E-01	-6.159E-01	2.028E-03	-3.563E-03	-8.943E-03
1105	1	-1.664E+00	-1.226E-01	-6.159E-01	-2.028E-03	-3.289E-03	8.948E-03
1105	2	1.661E+00	1.295E-01	4.495E-02	2.312E-03	-3.565E-03	-8.913E-03
1106	1	1.661E+00	4.856E-01	2.720E-01	-2.312E-03	-3.291E-03	8.912E-03
1106	2	-1.664E+00	-4.950E-01	-3.702E-01	2.028E-03	-3.563E-03	-8.943E-03
1107	1	-1.664E+00	4.951E-01	-3.890E-01	-2.028E-03	-3.289E-03	8.948E-03
1107	2	1.661E+00	-4.858E-01	2.908E-01	2.312E-03	-3.564E-03	-8.913E-03
1108	1	1.680E+00	7.599E-01	2.719E-01	-2.314E-03	3.290E-03	1.304E-02
1108	2	-1.678E+00	-7.694E-01	-3.705E-01	2.030E-03	3.557E-03	-1.301E-02
1109	1	-1.678E+00	7.696E-01	-3.892E-01	-2.030E-03	3.286E-03	1.301E-02
1109	2	1.680E+00	-7.600E-01	2.906E-01	2.314E-03	3.561E-03	-1.304E-02
1110	1	1.680E+00	1.660E+00	4.501E-02	-2.314E-03	3.290E-03	1.304E-02
1110	2	-1.677E+00	-1.667E+00	-6.159E-01	2.030E-03	3.558E-03	-1.301E-02
1111	1	-1.678E+00	1.667E+00	-6.159E-01	-2.030E-03	3.286E-03	1.301E-02
1111	2	1.680E+00	-1.660E+00	4.496E-02	2.314E-03	3.562E-03	-1.304E-02
1112	1	1.685E+00	4.036E+00	-5.576E-01	-2.584E-03	3.178E-03	1.317E-02
1112	2	-1.681E+00	-4.037E+00	-1.267E+00	1.754E-03	3.446E-03	-1.315E-02
1113	1	-1.681E+00	4.037E+00	-1.218E+00	-1.754E-03	3.175E-03	1.314E-02

1113	2	1.685E+00	-4.035E+00	-6.068E-01	2.584E-03	3.450E-03	-1.316E-02
1114	1	1.697E+00	1.080E+01	-1.935E+00	-2.703E-03	1.929E-03	1.332E-02
1114	2	-1.690E+00	-1.080E+01	-2.780E+00	1.622E-03	2.196E-03	-1.332E-02
1115	1	-1.690E+00	1.080E+01	-2.593E+00	-1.622E-03	1.925E-03	1.332E-02
1115	2	1.697E+00	-1.080E+01	-2.122E+00	2.703E-03	2.200E-03	-1.332E-02
1116	1	1.706E+00	1.759E+01	-2.420E+00	-2.760E-03	-1.315E-04	1.322E-02
1116	2	-1.698E+00	-1.759E+01	-3.402E+00	1.552E-03	1.361E-04	-1.321E-02
1117	1	-1.698E+00	1.759E+01	-3.076E+00	-1.552E-03	-1.354E-04	1.322E-02
1117	2	1.706E+00	-1.758E+01	-2.746E+00	2.760E-03	1.400E-04	-1.321E-02
1118	1	1.712E+00	2.427E+01	-1.800E+00	-2.691E-03	-2.192E-03	1.295E-02
1118	2	-1.705E+00	-2.427E+01	-2.919E+00	1.609E-03	-1.924E-03	-1.295E-02
1119	1	-1.705E+00	2.427E+01	-2.455E+00	-1.609E-03	-2.195E-03	1.295E-02
1119	2	1.712E+00	-2.427E+01	-2.265E+00	2.691E-03	-1.920E-03	-1.295E-02
1120	1	1.715E+00	3.079E+01	-2.896E-01	-2.558E-03	-3.442E-03	1.262E-02
1120	2	-1.711E+00	-3.079E+01	-1.545E+00	1.729E-03	-3.174E-03	-1.262E-02
1121	1	-1.712E+00	3.079E+01	-9.420E-01	-1.729E-03	-3.445E-03	1.263E-02
1121	2	1.716E+00	-3.079E+01	-8.921E-01	2.558E-03	-3.170E-03	-1.263E-02
1122	1	1.716E+00	3.307E+01	3.607E-01	-2.283E-03	-3.553E-03	1.252E-02
1122	2	-1.713E+00	-3.306E+01	-9.427E-01	2.000E-03	-3.285E-03	-1.252E-02
1123	1	-1.714E+00	3.307E+01	-2.911E-01	-2.000E-03	-3.557E-03	1.252E-02
1123	2	1.716E+00	-3.306E+01	-2.910E-01	2.283E-03	-3.282E-03	-1.252E-02
1124	1	1.716E+00	3.393E+01	6.057E-01	-2.283E-03	-3.553E-03	1.252E-02
1124	2	-1.713E+00	-3.393E+01	-7.161E-01	2.000E-03	-3.285E-03	-1.252E-02
1125	1	-1.714E+00	3.393E+01	-4.573E-02	-2.000E-03	-3.557E-03	1.252E-02
1125	2	1.716E+00	-3.393E+01	-6.464E-02	2.283E-03	-3.282E-03	-1.252E-02
1126	1	3.304E-01	-1.161E-01	7.548E-01	-2.773E-03	3.659E-03	9.277E-04
1126	2	-3.329E-01	1.162E-01	-8.703E-01	2.490E-03	3.328E-03	-9.281E-04
1127	1	-3.337E-01	-1.161E-01	-4.620E-02	-2.490E-03	3.661E-03	9.250E-04
1127	2	3.312E-01	1.162E-01	-6.931E-02	2.773E-03	3.325E-03	-9.248E-04
1128	1	3.304E-01	-5.211E-02	5.024E-01	-2.773E-03	3.659E-03	9.278E-04
1128	2	-3.329E-01	5.222E-02	-1.100E+00	2.490E-03	3.328E-03	-9.282E-04
1129	1	-3.337E-01	-5.229E-02	-2.988E-01	-2.490E-03	3.661E-03	9.250E-04
1129	2	3.312E-01	5.240E-02	-2.987E-01	2.773E-03	3.326E-03	-9.248E-04
1130	1	3.325E-01	1.069E-01	-1.672E-01	-3.048E-03	3.546E-03	8.256E-04
1130	2	-3.336E-01	-1.068E-01	-1.709E+00	2.219E-03	3.214E-03	-8.265E-04
1131	1	-3.343E-01	1.062E-01	-9.688E-01	-2.219E-03	3.548E-03	8.221E-04
1131	2	3.333E-01	-1.061E-01	-9.079E-01	3.048E-03	3.212E-03	-8.213E-04
1132	1	3.391E-01	4.388E-01	-1.727E+00	-3.178E-03	2.273E-03	4.979E-04
1132	2	-3.372E-01	-4.387E-01	-3.100E+00	2.096E-03	1.941E-03	-4.990E-04
1133	1	-3.378E-01	4.377E-01	-2.530E+00	-2.096E-03	2.275E-03	4.994E-04
1133	2	3.396E-01	-4.376E-01	-2.298E+00	3.178E-03	1.939E-03	-4.984E-04
1134	1	3.463E-01	6.142E-01	-2.376E+00	-3.245E-03	1.650E-04	2.327E-04
1134	2	-3.434E-01	-6.142E-01	-3.581E+00	2.036E-03	-1.666E-04	-2.342E-04
1135	1	-3.437E-01	6.132E-01	-3.180E+00	-2.036E-03	1.672E-04	2.341E-04
1135	2	3.467E-01	-6.131E-01	-2.777E+00	3.245E-03	-1.688E-04	-2.327E-04
1136	1	3.542E-01	6.892E-01	-1.895E+00	-3.185E-03	-1.943E-03	1.299E-04
1136	2	-3.524E-01	-6.888E-01	-2.931E+00	2.103E-03	-2.274E-03	-1.276E-04
1137	1	-3.526E-01	6.877E-01	-2.700E+00	-2.103E-03	-1.940E-03	1.271E-04
1137	2	3.544E-01	-6.880E-01	-2.126E+00	3.185E-03	-2.276E-03	-1.295E-04
1138	1	3.632E-01	7.718E-01	-5.034E-01	-3.062E-03	-3.216E-03	2.787E-04
1138	2	-3.642E-01	-7.729E-01	-1.370E+00	2.233E-03	-3.548E-03	-3.027E-04
1139	1	-3.643E-01	7.722E-01	-1.309E+00	-2.233E-03	-3.214E-03	3.073E-04
1139	2	3.632E-01	-7.711E-01	-5.639E-01	3.062E-03	-3.550E-03	-2.833E-04
1140	1	3.668E-01	8.309E-01	1.065E-01	-2.790E-03	-3.329E-03	4.053E-04
1140	2	-3.693E-01	-8.381E-01	-7.000E-01	2.506E-03	-3.661E-03	-4.392E-04
1141	1	-3.693E-01	8.380E-01	-6.999E-01	-2.506E-03	-3.327E-03	4.427E-04
1141	2	3.668E-01	-8.308E-01	1.064E-01	2.790E-03	-3.663E-03	-4.090E-04
1142	1	3.665E-01	8.592E-01	3.361E-01	-2.790E-03	-3.329E-03	4.054E-04
1142	2	-3.697E-01	-8.686E-01	-4.474E-01	2.506E-03	-3.661E-03	-4.393E-04
1143	1	-3.696E-01	8.688E-01	-4.704E-01	-2.506E-03	-3.327E-03	4.427E-04
1143	2	3.665E-01	-8.593E-01	3.591E-01	2.790E-03	-3.663E-03	-4.090E-04
1144	1	3.854E-01	9.208E-01	3.364E-01	-2.792E-03	3.333E-03	4.538E-03

1144	2	-3.834E-01	-9.305E-01	-4.475E-01	2.508E-03	3.660E-03	-4.504E-03
1145	1	-3.833E-01	9.307E-01	-4.703E-01	-2.508E-03	3.328E-03	4.501E-03
1145	2	3.853E-01	-9.210E-01	3.592E-01	2.792E-03	3.665E-03	-4.535E-03
1146	1	3.857E-01	1.234E+00	1.065E-01	-2.792E-03	3.333E-03	4.538E-03
1146	2	-3.830E-01	-1.242E+00	-7.000E-01	2.508E-03	3.660E-03	-4.504E-03
1147	1	-3.830E-01	1.241E+00	-6.999E-01	-2.508E-03	3.329E-03	4.501E-03
1147	2	3.857E-01	-1.234E+00	1.064E-01	2.792E-03	3.665E-03	-4.535E-03
1148	1	3.907E-01	2.071E+00	-5.041E-01	-3.061E-03	3.220E-03	4.664E-03
1148	2	-3.866E-01	-2.072E+00	-1.370E+00	2.232E-03	3.547E-03	-4.642E-03
1149	1	-3.867E-01	2.071E+00	-1.310E+00	-2.232E-03	3.215E-03	4.637E-03
1149	2	3.908E-01	-2.070E+00	-5.642E-01	3.061E-03	3.551E-03	-4.660E-03
1150	1	4.024E-01	4.507E+00	-1.898E+00	-3.180E-03	1.946E-03	4.813E-03
1150	2	-3.954E-01	-4.507E+00	-2.930E+00	2.098E-03	2.273E-03	-4.817E-03
1151	1	-3.956E-01	4.506E+00	-2.701E+00	-2.098E-03	1.942E-03	4.818E-03
1151	2	4.026E-01	-4.506E+00	-2.127E+00	3.180E-03	2.278E-03	-4.813E-03
1152	1	4.112E-01	6.956E+00	-2.381E+00	-3.236E-03	-1.612E-04	4.710E-03
1152	2	-4.032E-01	-6.956E+00	-3.580E+00	2.027E-03	1.659E-04	-4.711E-03
1153	1	-4.036E-01	6.955E+00	-3.182E+00	-2.027E-03	-1.657E-04	4.711E-03
1153	2	4.116E-01	-6.955E+00	-2.779E+00	3.236E-03	1.703E-04	-4.710E-03
1154	1	4.172E-01	9.305E+00	-1.733E+00	-3.165E-03	-2.269E-03	4.445E-03
1154	2	-4.102E-01	-9.305E+00	-3.099E+00	2.083E-03	-1.942E-03	-4.446E-03
1155	1	-4.108E-01	9.304E+00	-2.532E+00	-2.083E-03	-2.273E-03	4.445E-03
1155	2	4.177E-01	-9.304E+00	-2.300E+00	3.165E-03	-1.937E-03	-4.444E-03
1156	1	4.207E-01	1.149E+01	-1.756E-01	-3.031E-03	-3.542E-03	4.117E-03
1156	2	-4.166E-01	-1.149E+01	-1.708E+00	2.202E-03	-3.215E-03	-4.118E-03
1157	1	-4.173E-01	1.149E+01	-9.721E-01	-2.202E-03	-3.547E-03	4.122E-03
1157	2	4.214E-01	-1.149E+01	-9.112E-01	3.031E-03	-3.211E-03	-4.121E-03
1158	1	4.213E-01	1.223E+01	4.934E-01	-2.757E-03	-3.656E-03	4.015E-03
1158	2	-4.186E-01	-1.223E+01	-1.098E+00	2.473E-03	-3.328E-03	-4.016E-03
1159	1	-4.194E-01	1.223E+01	-3.024E-01	-2.473E-03	-3.660E-03	4.019E-03
1159	2	4.221E-01	-1.223E+01	-3.023E-01	2.757E-03	-3.324E-03	-4.019E-03
1160	1	4.213E-01	1.251E+01	7.455E-01	-2.757E-03	-3.655E-03	4.016E-03
1160	2	-4.186E-01	-1.251E+01	-8.685E-01	2.473E-03	-3.328E-03	-4.016E-03
1161	1	-4.194E-01	1.251E+01	-4.994E-02	-2.473E-03	-3.660E-03	4.019E-03
1161	2	4.221E-01	-1.251E+01	-7.302E-02	2.757E-03	-3.324E-03	-4.019E-03
1162	1	-2.367E-01	9.470E+00	7.965E-01	-2.910E-03	3.596E-03	-2.799E-03
1162	2	2.343E-01	-9.469E+00	-9.133E-01	2.627E-03	3.247E-03	2.798E-03
1163	1	2.335E-01	9.470E+00	-4.621E-02	-2.627E-03	3.598E-03	-2.801E-03
1163	2	-2.359E-01	-9.469E+00	-7.052E-02	2.910E-03	3.245E-03	2.801E-03
1164	1	-2.367E-01	9.277E+00	5.485E-01	-2.910E-03	3.596E-03	-2.799E-03
1164	2	2.343E-01	-9.276E+00	-1.137E+00	2.627E-03	3.247E-03	2.798E-03
1165	1	2.335E-01	9.277E+00	-2.944E-01	-2.627E-03	3.599E-03	-2.801E-03
1165	2	-2.359E-01	-9.276E+00	-2.944E-01	2.910E-03	3.245E-03	2.801E-03
1166	1	-2.347E-01	8.761E+00	-1.096E-01	-3.185E-03	3.485E-03	-2.901E-03
1166	2	2.336E-01	-8.761E+00	-1.732E+00	2.356E-03	3.136E-03	2.900E-03
1167	1	2.328E-01	8.761E+00	-9.529E-01	-2.356E-03	3.487E-03	-2.904E-03
1167	2	-2.339E-01	-8.760E+00	-8.889E-01	3.185E-03	3.134E-03	2.905E-03
1168	1	-2.281E-01	7.197E+00	-1.642E+00	-3.315E-03	2.235E-03	-3.229E-03
1168	2	2.299E-01	-7.196E+00	-3.087E+00	2.233E-03	1.886E-03	3.227E-03
1169	1	2.293E-01	7.195E+00	-2.487E+00	-2.233E-03	2.237E-03	-3.227E-03
1169	2	-2.275E-01	-7.195E+00	-2.243E+00	3.315E-03	1.884E-03	3.228E-03
1170	1	-2.209E-01	5.472E+00	-2.284E+00	-3.382E-03	1.747E-04	-3.494E-03
1170	2	2.237E-01	-5.471E+00	-3.551E+00	2.174E-03	-1.741E-04	3.492E-03
1171	1	2.234E-01	5.471E+00	-3.130E+00	-2.174E-03	1.771E-04	-3.492E-03
1171	2	-2.205E-01	-5.470E+00	-2.705E+00	3.382E-03	-1.764E-04	3.493E-03
1172	1	-2.130E-01	3.646E+00	-1.821E+00	-3.323E-03	-1.885E-03	-3.596E-03
1172	2	2.147E-01	-3.646E+00	-2.910E+00	2.241E-03	-2.234E-03	3.599E-03
1173	1	2.145E-01	3.645E+00	-2.668E+00	-2.241E-03	-1.883E-03	-3.599E-03
1173	2	-2.127E-01	-3.645E+00	-2.063E+00	3.323E-03	-2.236E-03	3.597E-03
1174	1	-2.040E-01	1.832E+00	-4.657E-01	-3.200E-03	-3.135E-03	-3.448E-03
1174	2	2.029E-01	-1.833E+00	-1.377E+00	2.371E-03	-3.484E-03	3.424E-03
1175	1	2.029E-01	1.833E+00	-1.314E+00	-2.371E-03	-3.133E-03	-3.419E-03

1175	2	-2.039E-01	-1.831E+00	-5.293E-01	3.200E-03	-3.486E-03	3.443E-03
1176	1	-2.003E-01	1.217E+00	1.291E-01	-2.928E-03	-3.247E-03	-3.321E-03
1176	2	1.978E-01	-1.224E+00	-7.194E-01	2.645E-03	-3.596E-03	3.287E-03
1177	1	1.979E-01	1.224E+00	-7.194E-01	-2.645E-03	-3.245E-03	-3.284E-03
1177	2	-2.003E-01	-1.217E+00	1.290E-01	2.928E-03	-3.598E-03	3.317E-03
1178	1	-2.006E-01	9.881E-01	3.530E-01	-2.928E-03	-3.247E-03	-3.321E-03
1178	2	1.975E-01	-9.974E-01	-4.714E-01	2.645E-03	-3.596E-03	3.287E-03
1179	1	1.976E-01	9.976E-01	-4.956E-01	-2.645E-03	-3.244E-03	-3.284E-03
1179	2	-2.006E-01	-9.882E-01	3.772E-01	2.928E-03	-3.598E-03	3.317E-03
1180	1	-1.818E-01	9.566E-01	3.530E-01	-2.930E-03	3.246E-03	8.116E-04
1180	2	1.837E-01	-9.661E-01	-4.718E-01	2.647E-03	3.590E-03	-7.783E-04
1181	1	1.838E-01	9.663E-01	-4.958E-01	-2.647E-03	3.241E-03	7.746E-04
1181	2	-1.818E-01	-9.567E-01	3.770E-01	2.930E-03	3.595E-03	-8.083E-04
1182	1	-1.815E-01	1.013E+00	1.291E-01	-2.930E-03	3.246E-03	8.117E-04
1182	2	1.841E-01	-1.020E+00	-7.194E-01	2.647E-03	3.590E-03	-7.784E-04
1183	1	1.841E-01	1.020E+00	-7.194E-01	-2.647E-03	3.241E-03	7.746E-04
1183	2	-1.815E-01	-1.013E+00	1.290E-01	2.930E-03	3.595E-03	-8.083E-04
1184	1	-1.765E-01	1.175E+00	-4.656E-01	-3.199E-03	3.134E-03	9.377E-04
1184	2	1.805E-01	-1.176E+00	-1.376E+00	2.370E-03	3.479E-03	-9.156E-04
1185	1	1.804E-01	1.176E+00	-1.313E+00	-2.370E-03	3.130E-03	9.107E-04
1185	2	-1.764E-01	-1.175E+00	-5.288E-01	3.199E-03	3.483E-03	-9.333E-04
1186	1	-1.648E-01	1.715E+00	-1.820E+00	-3.318E-03	1.884E-03	1.086E-03
1186	2	1.716E-01	-1.715E+00	-2.906E+00	2.236E-03	2.229E-03	-1.091E-03
1187	1	1.714E-01	1.713E+00	-2.665E+00	-2.236E-03	1.880E-03	1.091E-03
1187	2	-1.646E-01	-1.714E+00	-2.061E+00	3.318E-03	2.233E-03	-1.087E-03
1188	1	-1.560E-01	2.263E+00	-2.283E+00	-3.373E-03	-1.756E-04	9.833E-04
1188	2	1.639E-01	-2.264E+00	-3.544E+00	2.165E-03	1.686E-04	-9.845E-04
1189	1	1.635E-01	2.262E+00	-3.126E+00	-2.165E-03	-1.803E-04	9.842E-04
1189	2	-1.556E-01	-2.263E+00	-2.701E+00	3.373E-03	1.733E-04	-9.835E-04
1190	1	-1.501E-01	2.711E+00	-1.641E+00	-3.302E-03	-2.236E-03	7.183E-04
1190	2	1.568E-01	-2.712E+00	-3.078E+00	2.221E-03	-1.891E-03	-7.196E-04
1191	1	1.563E-01	2.710E+00	-2.481E+00	-2.221E-03	-2.240E-03	7.188E-04
1191	2	-1.494E-01	-2.711E+00	-2.238E+00	3.302E-03	-1.887E-03	-7.180E-04
1192	1	-1.465E-01	3.002E+00	-1.076E-01	-3.168E-03	-3.486E-03	3.908E-04
1192	2	1.505E-01	-3.002E+00	-1.720E+00	2.339E-03	-3.141E-03	-3.919E-04
1193	1	1.498E-01	3.001E+00	-9.459E-01	-2.339E-03	-3.490E-03	3.959E-04
1193	2	-1.457E-01	-3.002E+00	-8.819E-01	3.168E-03	-3.137E-03	-3.953E-04
1194	1	-1.459E-01	3.064E+00	5.506E-01	-2.894E-03	-3.597E-03	2.891E-04
1194	2	1.485E-01	-3.065E+00	-1.124E+00	2.610E-03	-3.253E-03	-2.896E-04
1195	1	1.477E-01	3.064E+00	-2.869E-01	-2.610E-03	-3.602E-03	2.925E-04
1195	2	-1.450E-01	-3.065E+00	-2.868E-01	2.894E-03	-3.248E-03	-2.924E-04
1196	1	-1.459E-01	3.084E+00	7.987E-01	-2.894E-03	-3.597E-03	2.892E-04
1196	2	1.485E-01	-3.085E+00	-8.999E-01	2.610E-03	-3.253E-03	-2.897E-04
1197	1	1.477E-01	3.084E+00	-3.842E-02	-2.610E-03	-3.602E-03	2.925E-04
1197	2	-1.450E-01	-3.085E+00	-6.272E-02	2.894E-03	-3.248E-03	-2.924E-04
1198	1	1.799E+00	-2.457E+01	8.477E-01	-3.051E-03	3.609E-03	1.058E-02
1198	2	-1.802E+00	2.457E+01	-9.488E-01	2.767E-03	3.243E-03	-1.058E-02
1199	1	-1.803E+00	-2.457E+01	-3.773E-02	-2.767E-03	3.611E-03	1.058E-02
1199	2	1.800E+00	2.457E+01	-6.329E-02	3.051E-03	3.240E-03	-1.058E-02
1200	1	1.799E+00	-2.384E+01	5.988E-01	-3.051E-03	3.609E-03	1.058E-02
1200	2	-1.802E+00	2.384E+01	-1.172E+00	2.767E-03	3.243E-03	-1.058E-02
1201	1	-1.803E+00	-2.384E+01	-2.869E-01	-2.767E-03	3.612E-03	1.058E-02
1201	2	1.800E+00	2.384E+01	-2.868E-01	3.051E-03	3.240E-03	-1.058E-02
1202	1	1.801E+00	-2.193E+01	-6.162E-02	-3.325E-03	3.498E-03	1.048E-02
1202	2	-1.803E+00	2.193E+01	-1.767E+00	2.496E-03	3.131E-03	-1.048E-02
1203	1	-1.803E+00	-2.193E+01	-9.477E-01	-2.496E-03	3.500E-03	1.047E-02
1203	2	1.802E+00	2.193E+01	-8.804E-01	3.325E-03	3.129E-03	-1.047E-02
1204	1	1.808E+00	-1.668E+01	-1.601E+00	-3.456E-03	2.248E-03	1.015E-02
1204	2	-1.806E+00	1.668E+01	-3.119E+00	2.374E-03	1.881E-03	-1.015E-02
1205	1	-1.807E+00	-1.669E+01	-2.488E+00	-2.374E-03	2.250E-03	1.015E-02
1205	2	1.809E+00	1.669E+01	-2.232E+00	3.456E-03	1.879E-03	-1.015E-02
1206	1	1.815E+00	-1.159E+01	-2.249E+00	-3.523E-03	1.876E-04	9.885E-03

1206	2	-1.812E+00	1.159E+01	-3.580E+00	2.315E-03	-1.789E-04	-9.886E-03
1207	1	-1.813E+00	-1.159E+01	-3.138E+00	-2.315E-03	1.901E-04	9.886E-03
1207	2	1.816E+00	1.159E+01	-2.692E+00	3.523E-03	-1.814E-04	-9.885E-03
1208	1	1.823E+00	-6.589E+00	-1.792E+00	-3.464E-03	-1.872E-03	9.782E-03
1208	2	-1.821E+00	6.589E+00	-2.937E+00	2.383E-03	-2.239E-03	-9.780E-03
1209	1	-1.822E+00	-6.590E+00	-2.682E+00	-2.383E-03	-1.870E-03	9.779E-03
1209	2	1.823E+00	6.590E+00	-2.047E+00	3.464E-03	-2.241E-03	-9.782E-03
1210	1	1.832E+00	-1.593E+00	-4.439E-01	-3.342E-03	-3.122E-03	9.931E-03
1210	2	-1.833E+00	1.592E+00	-1.402E+00	2.513E-03	-3.489E-03	-9.955E-03
1211	1	-1.833E+00	-1.593E+00	-1.335E+00	-2.513E-03	-3.120E-03	9.959E-03
1211	2	1.832E+00	1.594E+00	-5.107E-01	3.342E-03	-3.491E-03	-9.936E-03
1212	1	1.836E+00	2.130E-01	1.486E-01	-3.070E-03	-3.234E-03	1.006E-02
1212	2	-1.838E+00	-2.201E-01	-7.431E-01	2.786E-03	-3.601E-03	-1.009E-02
1213	1	-1.838E+00	2.200E-01	-7.431E-01	-2.786E-03	-3.232E-03	1.009E-02
1213	2	1.836E+00	-2.129E-01	1.485E-01	3.070E-03	-3.603E-03	-1.006E-02
1214	1	1.836E+00	9.073E-01	3.716E-01	-3.070E-03	-3.234E-03	1.006E-02
1214	2	-1.839E+00	-9.167E-01	-4.948E-01	2.786E-03	-3.600E-03	-1.009E-02
1215	1	-1.839E+00	9.168E-01	-5.202E-01	-2.786E-03	-3.231E-03	1.009E-02
1215	2	1.836E+00	-9.074E-01	3.970E-01	3.070E-03	-3.603E-03	-1.006E-02
1216	1	1.854E+00	1.210E+00	3.720E-01	-3.072E-03	3.239E-03	1.419E-02
1216	2	-1.852E+00	-1.220E+00	-4.947E-01	2.789E-03	3.601E-03	-1.416E-02
1217	1	-1.852E+00	1.220E+00	-5.200E-01	-2.789E-03	3.234E-03	1.415E-02
1217	2	1.854E+00	-1.210E+00	3.972E-01	3.072E-03	3.605E-03	-1.419E-02
1218	1	1.855E+00	2.190E+00	1.486E-01	-3.072E-03	3.239E-03	1.419E-02
1218	2	-1.852E+00	-2.197E+00	-7.431E-01	2.789E-03	3.601E-03	-1.416E-02
1219	1	-1.852E+00	2.197E+00	-7.431E-01	-2.789E-03	3.234E-03	1.415E-02
1219	2	1.855E+00	-2.190E+00	1.485E-01	3.072E-03	3.606E-03	-1.419E-02
1220	1	1.860E+00	4.774E+00	-4.448E-01	-3.341E-03	3.127E-03	1.432E-02
1220	2	-1.856E+00	-4.775E+00	-1.402E+00	2.512E-03	3.489E-03	-1.429E-02
1221	1	-1.856E+00	4.774E+00	-1.336E+00	-2.512E-03	3.122E-03	1.429E-02
1221	2	1.860E+00	-4.773E+00	-5.112E-01	3.341E-03	3.494E-03	-1.431E-02
1222	1	1.871E+00	1.212E+01	-1.796E+00	-3.459E-03	1.877E-03	1.446E-02
1222	2	-1.865E+00	-1.212E+01	-2.937E+00	2.378E-03	2.239E-03	-1.447E-02
1223	1	-1.865E+00	1.212E+01	-2.684E+00	-2.378E-03	1.872E-03	1.447E-02
1223	2	1.872E+00	-1.212E+01	-2.049E+00	3.459E-03	2.244E-03	-1.447E-02
1224	1	1.880E+00	1.949E+01	-2.255E+00	-3.515E-03	-1.827E-04	1.436E-02
1224	2	-1.872E+00	-1.949E+01	-3.581E+00	2.306E-03	1.792E-04	-1.436E-02
1225	1	-1.873E+00	1.949E+01	-3.141E+00	-2.306E-03	-1.875E-04	1.436E-02
1225	2	1.881E+00	-1.949E+01	-2.695E+00	3.515E-03	1.840E-04	-1.436E-02
1226	1	1.886E+00	2.677E+01	-1.609E+00	-3.443E-03	-2.243E-03	1.410E-02
1226	2	-1.879E+00	-2.677E+01	-3.120E+00	2.361E-03	-1.881E-03	-1.410E-02
1227	1	-1.880E+00	2.676E+01	-2.493E+00	-2.361E-03	-2.247E-03	1.410E-02
1227	2	1.887E+00	-2.676E+01	-2.236E+00	3.443E-03	-1.876E-03	-1.410E-02
1228	1	1.890E+00	3.387E+01	-7.242E-02	-3.309E-03	-3.493E-03	1.377E-02
1228	2	-1.886E+00	-3.387E+01	-1.767E+00	2.480E-03	-3.131E-03	-1.377E-02
1229	1	-1.886E+00	3.386E+01	-9.535E-01	-2.480E-03	-3.497E-03	1.377E-02
1229	2	1.890E+00	-3.387E+01	-8.862E-01	3.309E-03	-3.126E-03	-1.377E-02
1230	1	1.890E+00	3.635E+01	5.871E-01	-3.034E-03	-3.604E-03	1.367E-02
1230	2	-1.888E+00	-3.635E+01	-1.173E+00	2.751E-03	-3.242E-03	-1.367E-02
1231	1	-1.889E+00	3.635E+01	-2.931E-01	-2.751E-03	-3.609E-03	1.367E-02
1231	2	1.891E+00	-3.635E+01	-2.930E-01	3.034E-03	-3.238E-03	-1.367E-02
1232	1	1.890E+00	3.729E+01	8.357E-01	-3.034E-03	-3.604E-03	1.367E-02
1232	2	-1.888E+00	-3.729E+01	-9.496E-01	2.751E-03	-3.242E-03	-1.367E-02
1233	1	-1.889E+00	3.729E+01	-4.415E-02	-2.751E-03	-3.609E-03	1.367E-02
1233	2	1.891E+00	-3.729E+01	-6.969E-02	3.034E-03	-3.238E-03	-1.367E-02
1234	1	-2.770E-01	9.865E+00	6.477E-01	-2.424E-03	3.563E-03	-3.064E-03
1234	2	2.739E-01	-9.854E+00	-7.621E-01	2.141E-03	3.275E-03	3.059E-03
1235	1	2.739E-01	9.865E+00	-4.719E-02	-2.141E-03	3.565E-03	-3.066E-03
1235	2	-2.756E-01	-9.854E+00	-6.721E-02	2.424E-03	3.273E-03	3.062E-03
1236	1	-2.770E-01	9.653E+00	4.019E-01	-2.424E-03	3.563E-03	-3.063E-03
1236	2	2.739E-01	-9.643E+00	-9.880E-01	2.141E-03	3.275E-03	3.059E-03
1237	1	2.739E-01	9.653E+00	-2.931E-01	-2.141E-03	3.565E-03	-3.066E-03

1237	2	-2.756E-01	-9.642E+00	-2.930E-01	2.424E-03	3.274E-03	3.062E-03
1238	1	-2.749E-01	9.090E+00	-2.501E-01	-2.699E-03	3.452E-03	-3.166E-03
1238	2	2.732E-01	-9.080E+00	-1.588E+00	1.870E-03	3.164E-03	3.160E-03
1239	1	2.732E-01	9.089E+00	-9.455E-01	-1.870E-03	3.453E-03	-3.169E-03
1239	2	-2.736E-01	-9.079E+00	-8.927E-01	2.699E-03	3.162E-03	3.166E-03
1240	1	-2.684E-01	7.390E+00	-1.766E+00	-2.828E-03	2.202E-03	-3.493E-03
1240	2	2.695E-01	-7.382E+00	-2.957E+00	1.746E-03	1.914E-03	3.488E-03
1241	1	2.697E-01	7.389E+00	-2.462E+00	-1.746E-03	2.203E-03	-3.492E-03
1241	2	-2.672E-01	-7.381E+00	-2.261E+00	2.828E-03	1.912E-03	3.489E-03
1242	1	-2.612E-01	5.530E+00	-2.391E+00	-2.894E-03	1.416E-04	-3.759E-03
1242	2	2.634E-01	-5.524E+00	-3.435E+00	1.686E-03	-1.462E-04	3.753E-03
1243	1	2.637E-01	5.529E+00	-3.088E+00	-1.686E-03	1.434E-04	-3.757E-03
1243	2	-2.602E-01	-5.523E+00	-2.738E+00	2.894E-03	-1.479E-04	3.754E-03
1244	1	-2.533E-01	3.569E+00	-1.910E+00	-2.834E-03	-1.918E-03	-3.861E-03
1244	2	2.544E-01	-3.565E+00	-2.808E+00	1.752E-03	-2.206E-03	3.859E-03
1245	1	2.548E-01	3.568E+00	-2.609E+00	-1.752E-03	-1.917E-03	-3.864E-03
1245	2	-2.524E-01	-3.565E+00	-2.110E+00	2.834E-03	-2.208E-03	3.857E-03
1246	1	-2.443E-01	1.620E+00	-5.387E-01	-2.710E-03	-3.168E-03	-3.712E-03
1246	2	2.426E-01	-1.620E+00	-1.290E+00	1.881E-03	-3.456E-03	3.684E-03
1247	1	2.432E-01	1.620E+00	-1.238E+00	-1.881E-03	-3.167E-03	-3.684E-03
1247	2	-2.436E-01	-1.618E+00	-5.912E-01	2.710E-03	-3.458E-03	3.703E-03
1248	1	-2.406E-01	9.567E-01	6.206E-02	-2.438E-03	-3.280E-03	-3.586E-03
1248	2	2.375E-01	-9.634E-01	-6.372E-01	2.154E-03	-3.568E-03	3.548E-03
1249	1	2.382E-01	9.637E-01	-6.371E-01	-2.154E-03	-3.278E-03	-3.549E-03
1249	2	-2.400E-01	-9.562E-01	6.202E-02	2.438E-03	-3.569E-03	3.578E-03
1250	1	-2.410E-01	7.095E-01	2.883E-01	-2.438E-03	-3.280E-03	-3.586E-03
1250	2	2.372E-01	-7.188E-01	-3.910E-01	2.154E-03	-3.568E-03	3.548E-03
1251	1	2.379E-01	7.190E-01	-4.110E-01	-2.154E-03	-3.278E-03	-3.549E-03
1251	2	-2.403E-01	-7.096E-01	3.082E-01	2.438E-03	-3.569E-03	3.578E-03
1252	1	-2.221E-01	6.714E-01	2.880E-01	-2.440E-03	3.275E-03	5.467E-04
1252	2	2.234E-01	-6.810E-01	-3.917E-01	2.156E-03	3.558E-03	-5.176E-04
1253	1	2.241E-01	6.811E-01	-4.115E-01	-2.156E-03	3.271E-03	5.097E-04
1253	2	-2.215E-01	-6.716E-01	3.077E-01	2.440E-03	3.562E-03	-5.476E-04
1254	1	-2.218E-01	7.094E-01	6.207E-02	-2.440E-03	3.275E-03	5.468E-04
1254	2	2.238E-01	-7.169E-01	-6.371E-01	2.156E-03	3.558E-03	-5.177E-04
1255	1	2.244E-01	7.165E-01	-6.371E-01	-2.156E-03	3.271E-03	5.097E-04
1255	2	-2.211E-01	-7.096E-01	6.202E-02	2.440E-03	3.562E-03	-5.476E-04
1256	1	-2.168E-01	8.237E-01	-5.378E-01	-2.709E-03	3.163E-03	6.728E-04
1256	2	2.201E-01	-8.259E-01	-1.288E+00	1.880E-03	3.446E-03	-6.548E-04
1257	1	2.208E-01	8.241E-01	-1.236E+00	-1.880E-03	3.159E-03	6.458E-04
1257	2	-2.161E-01	-8.241E-01	-5.899E-01	2.709E-03	3.450E-03	-6.726E-04
1258	1	-2.051E-01	1.228E+00	-1.907E+00	-2.829E-03	1.913E-03	8.213E-04
1258	2	2.113E-01	-1.231E+00	-2.802E+00	1.747E-03	2.196E-03	-8.302E-04
1259	1	2.118E-01	1.227E+00	-2.603E+00	-1.747E-03	1.909E-03	8.263E-04
1259	2	-2.043E-01	-1.230E+00	-2.105E+00	2.829E-03	2.201E-03	-8.262E-04
1260	1	-1.963E-01	1.641E+00	-2.384E+00	-2.885E-03	-1.468E-04	7.184E-04
1260	2	2.035E-01	-1.647E+00	-3.423E+00	1.677E-03	1.365E-04	-7.238E-04
1261	1	2.038E-01	1.640E+00	-3.079E+00	-1.677E-03	-1.508E-04	7.194E-04
1261	2	-1.953E-01	-1.646E+00	-2.729E+00	2.885E-03	1.405E-04	-7.228E-04
1262	1	-1.903E-01	1.954E+00	-1.757E+00	-2.815E-03	-2.207E-03	4.534E-04
1262	2	1.965E-01	-1.962E+00	-2.941E+00	1.734E-03	-1.923E-03	-4.588E-04
1263	1	1.966E-01	1.953E+00	-2.449E+00	-1.734E-03	-2.211E-03	4.540E-04
1263	2	-1.892E-01	-1.961E+00	-2.249E+00	2.815E-03	-1.920E-03	-4.573E-04
1264	1	-1.868E-01	2.109E+00	-2.386E-01	-2.682E-03	-3.457E-03	1.259E-04
1264	2	1.901E-01	-2.119E+00	-1.566E+00	1.853E-03	-3.173E-03	-1.312E-04
1265	1	1.901E-01	2.109E+00	-9.289E-01	-1.853E-03	-3.461E-03	1.311E-04
1265	2	-1.855E-01	-2.119E+00	-8.762E-01	2.682E-03	-3.170E-03	-1.346E-04
1266	1	-1.861E-01	2.124E+00	4.145E-01	-2.408E-03	-3.568E-03	2.423E-05
1266	2	1.881E-01	-2.135E+00	-9.647E-01	2.124E-03	-3.285E-03	-2.890E-05
1267	1	1.881E-01	2.124E+00	-2.751E-01	-2.124E-03	-3.572E-03	2.761E-05
1267	2	-1.848E-01	-2.134E+00	-2.751E-01	2.408E-03	-3.281E-03	-3.171E-05
1268	1	-1.861E-01	2.125E+00	6.606E-01	-2.408E-03	-3.568E-03	2.433E-05

1268	2	1.881E-01	-2.137E+00	-7.382E-01	2.124E-03	-3.285E-03	-2.900E-05
1269	1	1.881E-01	2.125E+00	-2.873E-02	-2.124E-03	-3.572E-03	2.761E-05
1269	2	-1.848E-01	-2.137E+00	-4.879E-02	2.408E-03	-3.281E-03	-3.171E-05
1270	1	-9.963E-02	5.459E+00	-4.162E-02	-6.963E-05	3.385E-03	-1.665E-03
1270	2	2.552E-02	-5.459E+00	-4.234E-02	-2.139E-04	3.375E-03	1.665E-03
1271	1	2.549E-02	5.459E+00	-1.994E-02	2.139E-04	3.384E-03	-1.668E-03
1271	2	-9.960E-02	-5.459E+00	-6.402E-02	6.962E-05	3.376E-03	1.668E-03
1272	1	-9.963E-02	5.344E+00	-2.751E-01	-6.963E-05	3.385E-03	-1.665E-03
1272	2	2.552E-02	-5.344E+00	-2.751E-01	-2.139E-04	3.375E-03	1.665E-03
1273	1	2.549E-02	5.344E+00	-2.534E-01	2.139E-04	3.384E-03	-1.668E-03
1273	2	-9.960E-02	-5.344E+00	-2.969E-01	6.962E-05	3.376E-03	1.668E-03
1274	1	-9.759E-02	5.033E+00	-8.950E-01	-3.423E-04	3.274E-03	-1.767E-03
1274	2	2.484E-02	-5.033E+00	-8.932E-01	-4.868E-04	3.263E-03	1.766E-03
1275	1	2.482E-02	5.032E+00	-8.730E-01	4.868E-04	3.273E-03	-1.771E-03
1275	2	-9.757E-02	-5.032E+00	-9.151E-01	3.423E-04	3.265E-03	1.771E-03
1276	1	-9.118E-02	4.044E+00	-2.320E+00	-4.667E-04	2.024E-03	-2.095E-03
1276	2	2.120E-02	-4.044E+00	-2.313E+00	-6.152E-04	2.013E-03	2.094E-03
1277	1	2.118E-02	4.043E+00	-2.298E+00	6.152E-04	2.023E-03	-2.093E-03
1277	2	-9.116E-02	-4.043E+00	-2.336E+00	4.667E-04	2.015E-03	2.094E-03
1278	1	-8.408E-02	2.896E+00	-2.854E+00	-5.279E-04	-3.627E-05	-2.360E-03
1278	2	1.514E-02	-2.896E+00	-2.842E+00	-6.803E-04	-4.657E-05	2.359E-03
1279	1	1.513E-02	2.895E+00	-2.831E+00	6.803E-04	-3.750E-05	-2.359E-03
1279	2	-8.407E-02	-2.895E+00	-2.865E+00	5.279E-04	-4.535E-05	2.360E-03
1280	1	-7.625E-02	1.647E+00	-2.283E+00	-4.626E-04	-2.096E-03	-2.464E-03
1280	2	6.187E-03	-1.647E+00	-2.266E+00	-6.192E-04	-2.107E-03	2.463E-03
1281	1	6.179E-03	1.646E+00	-2.260E+00	6.192E-04	-2.098E-03	-2.464E-03
1281	2	-7.624E-02	-1.646E+00	-2.290E+00	4.626E-04	-2.105E-03	2.465E-03
1282	1	-6.735E-02	4.092E-01	-8.210E-01	-3.341E-04	-3.346E-03	-2.302E-03
1282	2	-5.572E-03	-4.092E-01	-7.983E-01	-4.950E-04	-3.357E-03	2.302E-03
1283	1	-5.575E-03	4.084E-01	-7.966E-01	4.950E-04	-3.348E-03	-2.297E-03
1283	2	-6.735E-02	-4.084E-01	-8.227E-01	3.341E-04	-3.355E-03	2.298E-03
1284	1	-6.371E-02	1.479E-03	-1.880E-01	-5.970E-05	-3.458E-03	-2.170E-03
1284	2	-1.060E-02	-1.425E-03	-1.634E-01	-2.238E-04	-3.468E-03	2.170E-03
1285	1	-1.061E-02	1.307E-03	-1.634E-01	2.238E-04	-3.459E-03	-2.167E-03
1285	2	-6.370E-02	-1.361E-03	-1.880E-01	5.969E-05	-3.467E-03	2.167E-03
1286	1	-6.405E-02	-1.482E-01	5.046E-02	-5.970E-05	-3.458E-03	-2.170E-03
1286	2	-1.095E-02	1.483E-01	7.584E-02	-2.238E-04	-3.468E-03	2.170E-03
1287	1	-1.095E-02	-1.482E-01	7.522E-02	2.238E-04	-3.459E-03	-2.167E-03
1287	2	-6.405E-02	1.482E-01	5.109E-02	5.969E-05	-3.467E-03	2.167E-03

FILE: defoc003.bin							
Caso di carico: 3 - Rara (1xC1 + 1xC2 + 1xC3 + 1xC5)							
Punto	Sest.	Sx (cm)	Sy (cm)	Sz (cm)	Rx (rad)	Ry (rad)	Rz (rad)
1	1	7.721E-31	-4.436E-31	-1.087E-01	-2.572E-16	6.490E-16	0.000E+00
2	1	1.127E-31	-4.209E-30	-1.116E-01	6.238E-16	1.256E-08	0.000E+00
3	1	-4.769E-30	-2.935E-30	-1.115E-01	-6.581E-17	4.224E-16	0.000E+00
4	1	1.687E-30	8.292E-31	-1.120E-01	3.599E-16	1.256E-08	0.000E+00
5	1	-2.984E-30	2.494E-30	-1.125E-01	-3.270E-19	6.620E-17	0.000E+00
6	1	-2.972E-30	5.590E-30	-1.113E-01	-6.094E-18	1.256E-08	0.000E+00
7	1	1.195E-29	6.726E-30	-1.125E-01	-2.585E-16	6.792E-06	0.000E+00
8	1	-2.390E-30	3.008E-30	-1.134E-01	2.614E-16	1.256E-08	0.000E+00
9	1	-1.607E-29	-2.961E-30	-1.129E-01	4.531E-16	-6.792E-06	0.000E+00
10	1	1.457E-30	-2.521E-30	-1.124E-01	-2.833E-16	1.256E-08	0.000E+00
11	1	-8.726E-31	-6.878E-31	-1.112E-01	1.880E-16	-3.362E-16	0.000E+00
12	1	-5.065E-30	-9.739E-31	-1.126E-01	1.877E-16	1.256E-08	0.000E+00
13	1	-4.051E-31	-6.093E-32	-1.119E-01	9.349E-17	3.080E-16	0.000E+00
14	1	2.441E-30	6.992E-30	-1.116E-01	7.651E-17	1.256E-08	0.000E+00
15	1	1.832E-30	-4.116E-31	-1.100E-01	7.676E-16	-3.079E-16	0.000E+00
100	1	-1.552E-58	-2.698E-59	3.832E-02	-3.358E-05	6.250E-04	0.000E+00
101	1	-2.059E-45	-1.227E-45	-8.650E-03	-4.822E-05	6.371E-04	0.000E+00
102	1	-1.550E-32	-2.006E-32	-5.759E-02	-7.684E-05	6.818E-04	0.000E+00
103	1	-2.621E-43	5.948E-34	-1.147E-01	-1.025E-04	7.173E-04	0.000E+00

104	1	1.550E-32	-2.881E-32	-1.356E-01	-1.060E-04	7.446E-04	0.000E+00
105	1	4.473E-58	6.185E-59	3.487E-02	-1.147E-05	6.334E-04	0.000E+00
106	1	1.126E-45	-1.639E-45	-1.306E-02	-1.213E-05	6.561E-04	0.000E+00
107	1	4.681E-43	-3.719E-32	-6.416E-02	-1.103E-05	7.197E-04	0.000E+00
108	1	3.051E-30	-7.982E-19	-1.252E-01	-9.937E-07	7.614E-04	0.000E+00
109	1	1.545E-42	-1.583E-31	-1.463E-01	-4.594E-07	7.259E-04	0.000E+00
110	1	3.461E-49	-7.649E-50	3.475E-02	1.933E-19	6.243E-04	0.000E+00
111	1	7.338E-45	5.023E-49	-1.234E-02	-1.899E-17	6.333E-04	0.000E+00
112	1	3.099E-32	1.317E-44	-6.118E-02	-4.106E-17	6.677E-04	0.000E+00
113	1	-4.395E-43	-6.361E-45	-1.175E-01	-7.669E-17	6.987E-04	0.000E+00
114	1	-3.099E-32	2.070E-44	-1.381E-01	-9.164E-17	7.378E-04	0.000E+00
115	1	-1.520E-35	8.172E-36	3.487E-02	1.147E-05	6.334E-04	0.000E+00
116	1	1.126E-45	1.639E-45	-1.306E-02	1.213E-05	6.561E-04	0.000E+00
117	1	3.723E-43	3.719E-32	-6.416E-02	1.103E-05	7.197E-04	0.000E+00
118	1	2.428E-30	7.982E-19	-1.252E-01	9.937E-07	7.614E-04	0.000E+00
119	1	1.053E-42	1.583E-31	-1.463E-01	4.594E-07	7.259E-04	0.000E+00
120	1	-2.169E-37	2.423E-37	3.832E-02	3.358E-05	6.250E-04	0.000E+00
121	1	3.160E-36	-1.114E-36	-8.650E-03	4.822E-05	6.371E-04	0.000E+00
122	1	-1.550E-32	2.006E-32	-5.759E-02	7.684E-05	6.818E-04	0.000E+00
123	1	-2.882E-43	-5.948E-34	-1.147E-01	1.025E-04	7.173E-04	0.000E+00
124	1	1.550E-32	2.881E-32	-1.356E-01	1.060E-04	7.446E-04	0.000E+00
125	1	-1.520E-32	-2.827E-32	-1.356E-01	-1.060E-04	-7.445E-04	0.000E+00
126	1	-2.208E-44	5.836E-34	-1.147E-01	-1.025E-04	-7.173E-04	0.000E+00
127	1	1.520E-32	-1.968E-32	-5.759E-02	-7.685E-05	-6.818E-04	0.000E+00
128	1	2.022E-45	3.613E-26	-8.650E-03	-4.823E-05	-6.371E-04	0.000E+00
129	1	2.877E-35	-2.437E-37	3.832E-02	-3.358E-05	-6.249E-04	0.000E+00
130	1	1.039E-43	-1.553E-31	-1.463E-01	-4.690E-07	-7.259E-04	0.000E+00
131	1	2.095E-31	-7.832E-19	-1.252E-01	-1.003E-06	-7.613E-04	0.000E+00
132	1	2.067E-43	-3.649E-32	-6.416E-02	-1.104E-05	-7.197E-04	0.000E+00
133	1	-1.100E-45	-1.606E-45	-1.306E-02	-1.213E-05	-6.560E-04	0.000E+00
134	1	-7.325E-36	-2.829E-37	3.487E-02	-1.148E-05	-6.334E-04	0.000E+00
135	1	3.041E-32	6.519E-44	-1.381E-01	-3.158E-16	-7.378E-04	0.000E+00
136	1	-3.741E-43	4.501E-45	-1.175E-01	-2.835E-16	-6.987E-04	0.000E+00
137	1	-3.041E-32	-6.458E-44	-6.118E-02	-1.804E-16	-6.677E-04	0.000E+00
138	1	-7.174E-45	-1.326E-48	-1.234E-02	-1.079E-16	-6.333E-04	0.000E+00
139	1	1.371E-34	-2.018E-35	3.474E-02	-5.127E-17	-6.243E-04	0.000E+00
140	1	1.432E-42	1.553E-31	-1.463E-01	4.690E-07	-7.259E-04	0.000E+00
141	1	2.983E-30	7.832E-19	-1.252E-01	1.003E-06	-7.613E-04	0.000E+00
142	1	6.307E-43	3.649E-32	-6.416E-02	1.104E-05	-7.197E-04	0.000E+00
143	1	-1.105E-45	1.608E-45	-1.306E-02	1.213E-05	-6.560E-04	0.000E+00
144	1	-2.630E-38	3.203E-38	3.487E-02	1.148E-05	-6.334E-04	0.000E+00
145	1	-1.520E-32	2.827E-32	-1.356E-01	1.060E-04	-7.445E-04	0.000E+00
146	1	-4.242E-43	-5.836E-34	-1.147E-01	1.025E-04	-7.173E-04	0.000E+00
147	1	1.520E-32	1.968E-32	-5.759E-02	7.685E-05	-6.818E-04	0.000E+00
148	1	2.020E-45	1.204E-45	-8.650E-03	4.823E-05	-6.371E-04	0.000E+00
149	1	1.222E-37	1.944E-38	3.832E-02	3.358E-05	-6.249E-04	0.000E+00
200	1	-2.661E-10	1.597E-10	-2.089E-01	5.456E-04	-8.749E-05	0.000E+00
201	1	-2.661E-10	1.184E-10	-2.063E-01	5.367E-04	-1.043E-04	0.000E+00
202	1	-2.661E-10	1.820E-13	-1.992E-01	5.239E-04	1.860E-15	0.000E+00
203	1	-2.661E-10	-1.180E-10	-2.063E-01	5.367E-04	1.043E-04	0.000E+00
204	1	-2.661E-10	-1.594E-10	-2.089E-01	5.456E-04	8.749E-05	0.000E+00
205	1	-2.204E-10	1.597E-10	-1.915E-01	5.623E-04	-7.609E-05	0.000E+00
206	1	-2.204E-10	1.184E-10	-1.893E-01	5.481E-04	-1.004E-04	0.000E+00
207	1	-2.204E-10	1.820E-13	-1.827E-01	5.108E-04	1.855E-15	0.000E+00
208	1	-2.204E-10	-1.180E-10	-1.893E-01	5.481E-04	1.004E-04	0.000E+00
209	1	-2.204E-10	-1.594E-10	-1.915E-01	5.623E-04	7.609E-05	0.000E+00
210	1	-1.747E-10	1.597E-10	-1.743E-01	4.874E-04	-4.725E-05	0.000E+00
211	1	-1.747E-10	1.184E-10	-1.724E-01	4.848E-04	-8.039E-05	0.000E+00
212	1	-1.747E-10	1.820E-13	-1.673E-01	4.364E-04	1.858E-15	0.000E+00
213	1	-1.747E-10	-1.180E-10	-1.724E-01	4.848E-04	8.039E-05	0.000E+00
214	1	-1.747E-10	-1.594E-10	-1.743E-01	4.874E-04	4.725E-05	0.000E+00
215	1	3.362E-13	1.597E-10	-1.393E-01	-9.889E-16	-7.834E-05	0.000E+00

216	1	3.362E-13	1.184E-10	-1.372E-01	-1.026E-15	-7.196E-05	0.000E+00
217	1	3.362E-13	1.820E-13	-1.314E-01	-1.067E-15	1.795E-15	0.000E+00
218	1	3.362E-13	-1.180E-10	-1.372E-01	-1.276E-15	7.196E-05	0.000E+00
219	1	3.362E-13	-1.594E-10	-1.393E-01	-1.318E-15	7.834E-05	0.000E+00
220	1	1.754E-10	1.597E-10	-1.743E-01	-4.874E-04	-4.725E-05	0.000E+00
221	1	1.754E-10	1.184E-10	-1.724E-01	-4.848E-04	-8.039E-05	0.000E+00
222	1	1.754E-10	1.820E-13	-1.673E-01	-4.364E-04	2.247E-15	0.000E+00
223	1	1.754E-10	-1.180E-10	-1.724E-01	-4.848E-04	8.039E-05	0.000E+00
224	1	1.754E-10	-1.594E-10	-1.743E-01	-4.874E-04	4.725E-05	0.000E+00
225	1	2.211E-10	1.597E-10	-1.915E-01	-5.623E-04	-7.609E-05	0.000E+00
226	1	2.211E-10	1.184E-10	-1.893E-01	-5.481E-04	-1.004E-04	0.000E+00
227	1	2.211E-10	1.820E-13	-1.827E-01	-5.108E-04	2.331E-15	0.000E+00
228	1	2.211E-10	-1.180E-10	-1.893E-01	-5.481E-04	1.004E-04	0.000E+00
229	1	2.211E-10	-1.594E-10	-1.915E-01	-5.623E-04	7.609E-05	0.000E+00
230	1	2.668E-10	1.597E-10	-2.089E-01	-5.456E-04	-8.749E-05	0.000E+00
231	1	2.668E-10	1.184E-10	-2.063E-01	-5.367E-04	-1.043E-04	0.000E+00
232	1	2.668E-10	1.820E-13	-1.992E-01	-5.239E-04	2.405E-15	0.000E+00
233	1	2.668E-10	-1.180E-10	-2.063E-01	-5.367E-04	1.043E-04	0.000E+00
234	1	2.668E-10	-1.594E-10	-2.089E-01	-5.456E-04	8.749E-05	0.000E+00
235	1	-1.154E-04	1.282E-03	-2.258E-01	5.243E-04	-8.948E-05	0.000E+00
236	1	-2.226E-04	1.315E-03	-2.231E-01	5.155E-04	-1.045E-04	0.000E+00
237	1	6.683E-06	6.130E-04	-2.162E-01	5.065E-04	-1.851E-07	0.000E+00
238	1	2.321E-04	1.324E-03	-2.231E-01	5.149E-04	1.044E-04	0.000E+00
239	1	1.225E-04	1.288E-03	-2.258E-01	5.238E-04	8.945E-05	0.000E+00
240	1	-1.508E-04	1.142E-03	-2.091E-01	5.421E-04	-7.763E-05	0.000E+00
241	1	-9.551E-05	1.415E-03	-2.068E-01	5.245E-04	-1.011E-04	0.000E+00
242	1	4.588E-06	5.109E-04	-2.002E-01	4.965E-04	-7.700E-08	0.000E+00
243	1	1.050E-04	1.425E-03	-2.068E-01	5.239E-04	1.011E-04	0.000E+00
244	1	1.613E-04	1.145E-03	-2.091E-01	5.416E-04	7.762E-05	0.000E+00
245	1	-1.185E-04	9.123E-04	-1.923E-01	4.769E-04	-4.861E-05	0.000E+00
246	1	-7.190E-05	8.799E-04	-1.904E-01	4.744E-04	-8.153E-05	0.000E+00
247	1	4.224E-06	5.287E-04	-1.853E-01	4.261E-04	7.826E-09	0.000E+00
248	1	8.223E-05	8.788E-04	-1.904E-01	4.743E-04	8.155E-05	0.000E+00
249	1	1.300E-04	9.079E-04	-1.923E-01	4.767E-04	4.863E-05	0.000E+00
250	1	-2.404E-05	1.590E-05	-1.580E-01	4.147E-15	-8.001E-05	0.000E+00
251	1	2.205E-06	1.178E-05	-1.558E-01	4.115E-15	-7.322E-05	0.000E+00
252	1	1.432E-05	-1.039E-12	-1.499E-01	3.884E-15	4.972E-08	0.000E+00
253	1	2.778E-05	-1.178E-05	-1.558E-01	4.153E-15	7.331E-05	0.000E+00
254	1	5.495E-05	-1.590E-05	-1.580E-01	4.180E-15	8.010E-05	0.000E+00
255	1	-8.363E-05	-8.805E-04	-1.923E-01	-4.769E-04	-4.861E-05	0.000E+00
256	1	-3.701E-05	-8.563E-04	-1.904E-01	-4.744E-04	-8.153E-05	0.000E+00
257	1	3.911E-05	-5.287E-04	-1.853E-01	-4.261E-04	7.826E-09	0.000E+00
258	1	1.171E-04	-9.024E-04	-1.904E-01	-4.743E-04	8.155E-05	0.000E+00
259	1	1.649E-04	-9.397E-04	-1.923E-01	-4.767E-04	4.863E-05	0.000E+00
260	1	-1.068E-04	-1.110E-03	-2.091E-01	-5.421E-04	-7.763E-05	0.000E+00
261	1	-5.151E-05	-1.391E-03	-2.068E-01	-5.245E-04	-1.011E-04	0.000E+00
262	1	4.858E-05	-5.109E-04	-2.002E-01	-4.965E-04	-7.700E-08	0.000E+00
263	1	1.490E-04	-1.449E-03	-2.068E-01	-5.239E-04	1.011E-04	0.000E+00
264	1	2.052E-04	-1.176E-03	-2.091E-01	-5.416E-04	7.762E-05	0.000E+00
265	1	-6.230E-05	-1.250E-03	-2.258E-01	-5.243E-04	-8.948E-05	0.000E+00
266	1	-1.695E-04	-1.291E-03	-2.231E-01	-5.155E-04	-1.045E-04	0.000E+00
267	1	5.978E-05	-6.130E-04	-2.162E-01	-5.065E-04	-1.851E-07	0.000E+00
268	1	2.852E-04	-1.348E-03	-2.231E-01	-5.149E-04	1.044E-04	0.000E+00
269	1	1.756E-04	-1.319E-03	-2.258E-01	-5.238E-04	8.945E-05	0.000E+00
270	1	-3.567E-02	2.136E-02	-2.274E-01	5.456E-04	-8.749E-05	0.000E+00
271	1	-3.567E-02	1.583E-02	-2.247E-01	5.367E-04	-1.043E-04	0.000E+00
272	1	-3.567E-02	1.119E-13	-2.176E-01	5.239E-04	1.813E-15	0.000E+00
273	1	-3.567E-02	-1.583E-02	-2.247E-01	5.367E-04	1.043E-04	0.000E+00
274	1	-3.567E-02	-2.136E-02	-2.274E-01	5.456E-04	8.749E-05	0.000E+00
275	1	-2.955E-02	2.136E-02	-2.100E-01	5.623E-04	-7.609E-05	0.000E+00
276	1	-2.955E-02	1.583E-02	-2.077E-01	5.481E-04	-1.004E-04	0.000E+00
277	1	-2.955E-02	1.119E-13	-2.011E-01	5.108E-04	1.801E-15	0.000E+00

278	1	-2.955E-02	-1.583E-02	-2.077E-01	5.481E-04	1.004E-04	0.000E+00
279	1	-2.955E-02	-2.136E-02	-2.100E-01	5.623E-04	7.609E-05	0.000E+00
280	1	-2.344E-02	2.136E-02	-1.927E-01	4.874E-04	-4.725E-05	0.000E+00
281	1	-2.344E-02	1.583E-02	-1.908E-01	4.848E-04	-8.039E-05	0.000E+00
282	1	-2.344E-02	1.119E-13	-1.858E-01	4.364E-04	1.795E-15	0.000E+00
283	1	-2.344E-02	-1.583E-02	-1.908E-01	4.848E-04	8.039E-05	0.000E+00
284	1	-2.344E-02	-2.136E-02	-1.927E-01	4.874E-04	4.725E-05	0.000E+00
285	1	4.849E-13	2.136E-02	-1.577E-01	-4.056E-16	-7.834E-05	0.000E+00
286	1	4.849E-13	1.583E-02	-1.556E-01	-4.187E-16	-7.196E-05	0.000E+00
287	1	4.849E-13	1.118E-13	-1.498E-01	-4.258E-16	1.695E-15	0.000E+00
288	1	4.849E-13	-1.583E-02	-1.556E-01	-4.838E-16	7.196E-05	0.000E+00
289	1	4.849E-13	-2.136E-02	-1.577E-01	-5.046E-16	7.834E-05	0.000E+00
290	1	2.344E-02	2.136E-02	-1.927E-01	-4.874E-04	-4.725E-05	0.000E+00
291	1	2.344E-02	1.583E-02	-1.908E-01	-4.848E-04	-8.039E-05	0.000E+00
292	1	2.344E-02	1.118E-13	-1.858E-01	-4.364E-04	1.890E-15	0.000E+00
293	1	2.344E-02	-1.583E-02	-1.908E-01	-4.848E-04	8.039E-05	0.000E+00
294	1	2.344E-02	-2.136E-02	-1.927E-01	-4.874E-04	4.725E-05	0.000E+00
295	1	2.955E-02	2.136E-02	-2.100E-01	-5.623E-04	-7.609E-05	0.000E+00
296	1	2.955E-02	1.583E-02	-2.077E-01	-5.481E-04	-1.004E-04	0.000E+00
297	1	2.955E-02	1.118E-13	-2.011E-01	-5.108E-04	1.923E-15	0.000E+00
298	1	2.955E-02	-1.583E-02	-2.077E-01	-5.481E-04	1.004E-04	0.000E+00
299	1	2.955E-02	-2.136E-02	-2.100E-01	-5.623E-04	7.609E-05	0.000E+00
300	1	3.567E-02	2.136E-02	-2.274E-01	-5.456E-04	-8.749E-05	0.000E+00
301	1	3.567E-02	1.583E-02	-2.247E-01	-5.367E-04	-1.043E-04	0.000E+00
302	1	3.567E-02	1.118E-13	-2.176E-01	-5.239E-04	1.956E-15	0.000E+00
303	1	3.567E-02	-1.583E-02	-2.247E-01	-5.367E-04	1.043E-04	0.000E+00
304	1	3.567E-02	-2.136E-02	-2.274E-01	-5.456E-04	8.749E-05	0.000E+00
305	1	-1.914E-04	1.329E-03	-2.288E-01	5.243E-04	-8.948E-05	0.000E+00
306	1	-2.986E-04	1.349E-03	-2.261E-01	5.155E-04	-1.045E-04	0.000E+00
307	1	-6.930E-05	6.130E-04	-2.192E-01	5.065E-04	-1.827E-07	0.000E+00
308	1	1.561E-04	1.290E-03	-2.261E-01	5.149E-04	1.044E-04	0.000E+00
309	1	4.653E-05	1.241E-03	-2.288E-01	5.238E-04	8.945E-05	0.000E+00
310	1	-2.135E-04	1.189E-03	-2.121E-01	5.421E-04	-7.763E-05	0.000E+00
311	1	-1.582E-04	1.449E-03	-2.098E-01	5.245E-04	-1.011E-04	0.000E+00
312	1	-5.810E-05	5.109E-04	-2.032E-01	4.965E-04	-7.458E-08	0.000E+00
313	1	4.232E-05	1.391E-03	-2.098E-01	5.239E-04	1.011E-04	0.000E+00
314	1	9.856E-05	1.098E-03	-2.121E-01	5.416E-04	7.762E-05	0.000E+00
315	1	-1.679E-04	9.587E-04	-1.954E-01	4.769E-04	-4.861E-05	0.000E+00
316	1	-1.213E-04	9.143E-04	-1.934E-01	4.744E-04	-8.152E-05	0.000E+00
317	1	-4.517E-05	5.287E-04	-1.883E-01	4.261E-04	1.025E-08	0.000E+00
318	1	3.283E-05	8.444E-04	-1.934E-01	4.743E-04	8.156E-05	0.000E+00
319	1	8.065E-05	8.615E-04	-1.954E-01	4.767E-04	4.863E-05	0.000E+00
320	1	-2.251E-05	6.231E-05	-1.610E-01	2.410E-15	-8.001E-05	0.000E+00
321	1	3.733E-06	4.617E-05	-1.588E-01	2.423E-15	-7.322E-05	0.000E+00
322	1	1.585E-05	-6.710E-13	-1.530E-01	2.381E-15	5.214E-08	0.000E+00
323	1	2.930E-05	-4.617E-05	-1.588E-01	2.612E-15	7.331E-05	0.000E+00
324	1	5.648E-05	-6.231E-05	-1.610E-01	2.646E-15	8.011E-05	0.000E+00
325	1	-3.118E-05	-8.341E-04	-1.954E-01	-4.769E-04	-4.861E-05	0.000E+00
326	1	1.544E-05	-8.219E-04	-1.934E-01	-4.744E-04	-8.152E-05	0.000E+00
327	1	9.157E-05	-5.287E-04	-1.883E-01	-4.261E-04	1.025E-08	0.000E+00
328	1	1.696E-04	-9.368E-04	-1.934E-01	-4.743E-04	8.156E-05	0.000E+00
329	1	2.174E-04	-9.862E-04	-1.954E-01	-4.767E-04	4.863E-05	0.000E+00
330	1	-4.104E-05	-1.064E-03	-2.121E-01	-5.421E-04	-7.763E-05	0.000E+00
331	1	1.423E-05	-1.357E-03	-2.098E-01	-5.245E-04	-1.011E-04	0.000E+00
332	1	1.143E-04	-5.109E-04	-2.032E-01	-4.965E-04	-7.458E-08	0.000E+00
333	1	2.148E-04	-1.483E-03	-2.098E-01	-5.239E-04	1.011E-04	0.000E+00
334	1	2.710E-04	-1.223E-03	-2.121E-01	-5.416E-04	7.762E-05	0.000E+00
335	1	1.674E-05	-1.204E-03	-2.288E-01	-5.243E-04	-8.948E-05	0.000E+00
336	1	-9.044E-05	-1.257E-03	-2.261E-01	-5.155E-04	-1.045E-04	0.000E+00
337	1	1.388E-04	-6.130E-04	-2.192E-01	-5.065E-04	-1.827E-07	0.000E+00
338	1	3.642E-04	-1.382E-03	-2.261E-01	-5.149E-04	1.044E-04	0.000E+00
339	1	2.546E-04	-1.366E-03	-2.288E-01	-5.238E-04	8.945E-05	0.000E+00

340	1	5.355E-03	-3.206E-03	-2.345E-01	5.456E-04	-8.749E-05	0.000E+00
341	1	5.355E-03	-2.376E-03	-2.318E-01	5.367E-04	-1.043E-04	0.000E+00
342	1	5.355E-03	-1.910E-15	-2.247E-01	5.239E-04	2.603E-16	0.000E+00
343	1	5.355E-03	2.376E-03	-2.318E-01	5.367E-04	1.043E-04	0.000E+00
344	1	5.355E-03	3.206E-03	-2.345E-01	5.456E-04	8.749E-05	0.000E+00
345	1	4.436E-03	-3.206E-03	-2.171E-01	5.623E-04	-7.609E-05	0.000E+00
346	1	4.436E-03	-2.376E-03	-2.148E-01	5.481E-04	-1.004E-04	0.000E+00
347	1	4.436E-03	-1.910E-15	-2.082E-01	5.108E-04	2.639E-16	0.000E+00
348	1	4.436E-03	2.376E-03	-2.148E-01	5.481E-04	1.004E-04	0.000E+00
349	1	4.436E-03	3.206E-03	-2.171E-01	5.623E-04	7.609E-05	0.000E+00
350	1	3.518E-03	-3.206E-03	-1.998E-01	4.874E-04	-4.725E-05	0.000E+00
351	1	3.518E-03	-2.376E-03	-1.979E-01	4.848E-04	-8.039E-05	0.000E+00
352	1	3.518E-03	-1.911E-15	-1.928E-01	4.364E-04	2.753E-16	0.000E+00
353	1	3.518E-03	2.376E-03	-1.979E-01	4.848E-04	8.039E-05	0.000E+00
354	1	3.518E-03	3.206E-03	-1.998E-01	4.874E-04	4.725E-05	0.000E+00
355	1	9.800E-14	-3.206E-03	-1.648E-01	1.012E-16	-7.834E-05	0.000E+00
356	1	9.800E-14	-2.376E-03	-1.627E-01	7.589E-17	-7.196E-05	0.000E+00
357	1	9.800E-14	-1.917E-15	-1.569E-01	1.333E-17	3.105E-16	0.000E+00
358	1	9.800E-14	2.376E-03	-1.627E-01	-2.143E-17	7.196E-05	0.000E+00
359	1	9.800E-14	3.206E-03	-1.648E-01	-3.287E-17	7.834E-05	0.000E+00
360	1	-3.518E-03	-3.206E-03	-1.998E-01	-4.874E-04	-4.725E-05	0.000E+00
361	1	-3.518E-03	-2.376E-03	-1.979E-01	-4.848E-04	-8.039E-05	0.000E+00
362	1	-3.518E-03	-1.911E-15	-1.928E-01	-4.364E-04	4.202E-16	0.000E+00
363	1	-3.518E-03	2.376E-03	-1.979E-01	-4.848E-04	8.039E-05	0.000E+00
364	1	-3.518E-03	3.206E-03	-1.998E-01	-4.874E-04	4.725E-05	0.000E+00
365	1	-4.436E-03	-3.206E-03	-2.171E-01	-5.623E-04	-7.609E-05	0.000E+00
366	1	-4.436E-03	-2.376E-03	-2.148E-01	-5.481E-04	-1.004E-04	0.000E+00
367	1	-4.436E-03	-1.912E-15	-2.082E-01	-5.108E-04	4.515E-16	0.000E+00
368	1	-4.436E-03	2.376E-03	-2.148E-01	-5.481E-04	1.004E-04	0.000E+00
369	1	-4.436E-03	3.206E-03	-2.171E-01	-5.623E-04	7.609E-05	0.000E+00
370	1	-5.355E-03	-3.206E-03	-2.345E-01	-5.456E-04	-8.749E-05	0.000E+00
371	1	-5.355E-03	-2.376E-03	-2.318E-01	-5.367E-04	-1.043E-04	0.000E+00
372	1	-5.355E-03	-1.913E-15	-2.247E-01	-5.239E-04	4.798E-16	0.000E+00
373	1	-5.355E-03	2.376E-03	-2.318E-01	-5.367E-04	1.043E-04	0.000E+00
374	1	-5.355E-03	3.206E-03	-2.345E-01	-5.456E-04	8.749E-05	0.000E+00
375	1	4.296E-05	1.187E-03	-2.243E-01	5.243E-04	-8.948E-05	0.000E+00
376	1	-6.422E-05	1.244E-03	-2.216E-01	5.155E-04	-1.045E-04	0.000E+00
377	1	1.650E-04	6.130E-04	-2.146E-01	5.065E-04	-1.863E-07	0.000E+00
378	1	3.905E-04	1.395E-03	-2.216E-01	5.149E-04	1.044E-04	0.000E+00
379	1	2.809E-04	1.383E-03	-2.243E-01	5.238E-04	8.945E-05	0.000E+00
380	1	-1.970E-05	1.047E-03	-2.076E-01	5.421E-04	-7.763E-05	0.000E+00
381	1	3.557E-05	1.344E-03	-2.053E-01	5.245E-04	-1.011E-04	0.000E+00
382	1	1.357E-04	5.109E-04	-1.987E-01	4.965E-04	-7.821E-08	0.000E+00
383	1	2.361E-04	1.496E-03	-2.053E-01	5.239E-04	1.011E-04	0.000E+00
384	1	2.923E-04	1.240E-03	-2.075E-01	5.416E-04	7.762E-05	0.000E+00
385	1	-1.472E-05	8.170E-04	-1.908E-01	4.769E-04	-4.861E-05	0.000E+00
386	1	3.189E-05	8.093E-04	-1.889E-01	4.744E-04	-8.153E-05	0.000E+00
387	1	1.080E-04	5.287E-04	-1.838E-01	4.261E-04	6.615E-09	0.000E+00
388	1	1.860E-04	9.494E-04	-1.889E-01	4.743E-04	8.155E-05	0.000E+00
389	1	2.338E-04	1.003E-03	-1.908E-01	4.767E-04	4.863E-05	0.000E+00
390	1	-2.478E-05	-7.937E-05	-1.565E-01	-9.299E-17	-8.001E-05	0.000E+00
391	1	1.469E-06	-5.880E-05	-1.543E-01	-7.940E-17	-7.322E-05	0.000E+00
392	1	1.359E-05	6.222E-15	-1.484E-01	-1.238E-17	4.851E-08	0.000E+00
393	1	2.704E-05	5.880E-05	-1.543E-01	1.057E-16	7.331E-05	0.000E+00
394	1	5.422E-05	7.937E-05	-1.565E-01	1.461E-16	8.010E-05	0.000E+00
395	1	-1.889E-04	-9.757E-04	-1.908E-01	-4.769E-04	-4.861E-05	0.000E+00
396	1	-1.423E-04	-9.269E-04	-1.889E-01	-4.744E-04	-8.153E-05	0.000E+00
397	1	-6.615E-05	-5.287E-04	-1.838E-01	-4.261E-04	6.615E-09	0.000E+00
398	1	1.185E-05	-8.318E-04	-1.889E-01	-4.743E-04	8.155E-05	0.000E+00
399	1	5.967E-05	-8.445E-04	-1.908E-01	-4.767E-04	4.863E-05	0.000E+00
400	1	-2.393E-04	-1.206E-03	-2.076E-01	-5.421E-04	-7.763E-05	0.000E+00
401	1	-1.841E-04	-1.462E-03	-2.053E-01	-5.245E-04	-1.011E-04	0.000E+00

402	1	-8.397E-05	-5.109E-04	-1.987E-01	-4.965E-04	-7.821E-08	0.000E+00
403	1	1.646E-05	-1.378E-03	-2.053E-01	-5.239E-04	1.011E-04	0.000E+00
404	1	7.270E-05	-1.081E-03	-2.075E-01	-5.416E-04	7.762E-05	0.000E+00
405	1	-2.221E-04	-1.346E-03	-2.243E-01	-5.243E-04	-8.948E-05	0.000E+00
406	1	-3.293E-04	-1.362E-03	-2.216E-01	-5.155E-04	-1.045E-04	0.000E+00
407	1	-1.000E-04	-6.130E-04	-2.146E-01	-5.065E-04	-1.863E-07	0.000E+00
408	1	1.254E-04	-1.277E-03	-2.216E-01	-5.149E-04	1.044E-04	0.000E+00
409	1	1.578E-05	-1.224E-03	-2.243E-01	-5.238E-04	8.945E-05	0.000E+00
410	1	8.571E-03	8.412E-10	-2.283E-01	5.477E-04	-5.684E-05	0.000E+00
411	1	8.571E-03	6.234E-10	-2.265E-01	5.389E-04	-7.348E-05	0.000E+00
412	1	8.571E-03	4.759E-13	-2.219E-01	5.271E-04	3.195E-05	0.000E+00
413	1	8.571E-03	-6.224E-10	-2.317E-01	5.412E-04	1.365E-04	0.000E+00
414	1	8.571E-03	-8.403E-10	-2.352E-01	5.503E-04	1.192E-04	0.000E+00
415	1	8.571E-03	8.412E-10	-2.108E-01	5.642E-04	-4.559E-05	0.000E+00
416	1	8.571E-03	6.234E-10	-2.094E-01	5.502E-04	-6.986E-05	0.000E+00
417	1	8.571E-03	4.759E-13	-2.053E-01	5.140E-04	3.148E-05	0.000E+00
418	1	8.571E-03	-6.224E-10	-2.145E-01	5.528E-04	1.322E-04	0.000E+00
419	1	8.571E-03	-8.403E-10	-2.177E-01	5.674E-04	1.075E-04	0.000E+00
420	1	8.571E-03	8.412E-10	-1.935E-01	4.890E-04	-1.694E-05	0.000E+00
421	1	8.571E-03	6.234E-10	-1.925E-01	4.865E-04	-5.014E-05	0.000E+00
422	1	8.571E-03	4.759E-13	-1.899E-01	4.391E-04	3.100E-05	0.000E+00
423	1	8.571E-03	-6.224E-10	-1.975E-01	4.892E-04	1.116E-04	0.000E+00
424	1	8.571E-03	-8.403E-10	-2.003E-01	4.919E-04	7.813E-05	0.000E+00
425	1	8.571E-03	8.412E-10	-1.584E-01	-1.883E-15	-4.858E-05	0.000E+00
426	1	8.571E-03	6.234E-10	-1.571E-01	-1.851E-15	-4.230E-05	0.000E+00
427	1	8.571E-03	4.759E-13	-1.537E-01	-1.670E-15	2.819E-05	0.000E+00
428	1	8.571E-03	-6.224E-10	-1.619E-01	-1.672E-15	1.025E-04	0.000E+00
429	1	8.571E-03	-8.403E-10	-1.650E-01	-1.658E-15	1.090E-04	0.000E+00
430	1	8.571E-03	8.412E-10	-1.935E-01	-4.890E-04	-1.694E-05	0.000E+00
431	1	8.571E-03	6.234E-10	-1.925E-01	-4.865E-04	-5.014E-05	0.000E+00
432	1	8.571E-03	4.759E-13	-1.899E-01	-4.391E-04	3.100E-05	0.000E+00
433	1	8.571E-03	-6.224E-10	-1.975E-01	-4.892E-04	1.116E-04	0.000E+00
434	1	8.571E-03	-8.403E-10	-2.003E-01	-4.919E-04	7.813E-05	0.000E+00
435	1	8.571E-03	8.412E-10	-2.108E-01	-5.642E-04	-4.559E-05	0.000E+00
436	1	8.571E-03	6.234E-10	-2.094E-01	-5.502E-04	-6.986E-05	0.000E+00
437	1	8.571E-03	4.759E-13	-2.053E-01	-5.140E-04	3.148E-05	0.000E+00
438	1	8.571E-03	-6.224E-10	-2.145E-01	-5.528E-04	1.322E-04	0.000E+00
439	1	8.571E-03	-8.403E-10	-2.177E-01	-5.674E-04	1.075E-04	0.000E+00
440	1	8.571E-03	8.412E-10	-2.283E-01	-5.477E-04	-5.684E-05	0.000E+00
441	1	8.571E-03	6.234E-10	-2.265E-01	-5.389E-04	-7.348E-05	0.000E+00
442	1	8.571E-03	4.759E-13	-2.219E-01	-5.271E-04	3.195E-05	0.000E+00
443	1	8.571E-03	-6.224E-10	-2.317E-01	-5.412E-04	1.365E-04	0.000E+00
444	1	8.571E-03	-8.403E-10	-2.352E-01	-5.503E-04	1.192E-04	0.000E+00
445	1	-9.056E-05	1.283E-03	-2.325E-01	5.308E-04	-9.058E-05	0.000E+00
446	1	-1.991E-04	1.320E-03	-2.298E-01	5.219E-04	-1.058E-04	0.000E+00
447	1	3.304E-05	6.206E-04	-2.227E-01	5.128E-04	-1.849E-07	0.000E+00
448	1	2.613E-04	1.351E-03	-2.297E-01	5.213E-04	1.057E-04	0.000E+00
449	1	1.503E-04	1.318E-03	-2.325E-01	5.303E-04	9.055E-05	0.000E+00
450	1	-1.306E-04	1.142E-03	-2.156E-01	5.489E-04	-7.858E-05	0.000E+00
451	1	-7.461E-05	1.421E-03	-2.133E-01	5.311E-04	-1.024E-04	0.000E+00
452	1	2.673E-05	5.172E-04	-2.066E-01	5.026E-04	-7.542E-08	0.000E+00
453	1	1.284E-04	1.454E-03	-2.132E-01	5.304E-04	1.023E-04	0.000E+00
454	1	1.853E-04	1.173E-03	-2.156E-01	5.483E-04	7.857E-05	0.000E+00
455	1	-1.021E-04	9.090E-04	-1.986E-01	4.828E-04	-4.919E-05	0.000E+00
456	1	-5.489E-05	8.800E-04	-1.967E-01	4.803E-04	-8.252E-05	0.000E+00
457	1	2.218E-05	5.353E-04	-1.915E-01	4.314E-04	1.048E-08	0.000E+00
458	1	1.012E-04	9.006E-04	-1.967E-01	4.801E-04	8.255E-05	0.000E+00
459	1	1.496E-04	9.338E-04	-1.986E-01	4.826E-04	4.922E-05	0.000E+00
460	1	-2.246E-05	1.490E-06	-1.638E-01	1.786E-15	-8.096E-05	0.000E+00
461	1	4.110E-06	1.104E-06	-1.616E-01	1.794E-15	-7.409E-05	0.000E+00
462	1	1.638E-05	-5.068E-13	-1.557E-01	1.772E-15	5.296E-08	0.000E+00
463	1	3.000E-05	-1.104E-06	-1.616E-01	1.970E-15	7.418E-05	0.000E+00

464	1	5.751E-05	-1.490E-06	-1.638E-01	2.007E-15	8.106E-05	0.000E+00
465	1	-9.882E-05	-9.060E-04	-1.986E-01	-4.828E-04	-4.919E-05	0.000E+00
466	1	-5.162E-05	-8.778E-04	-1.967E-01	-4.803E-04	-8.252E-05	0.000E+00
467	1	2.545E-05	-5.353E-04	-1.915E-01	-4.314E-04	1.048E-08	0.000E+00
468	1	1.044E-04	-9.028E-04	-1.967E-01	-4.801E-04	8.255E-05	0.000E+00
469	1	1.528E-04	-9.368E-04	-1.986E-01	-4.826E-04	4.922E-05	0.000E+00
470	1	-1.264E-04	-1.139E-03	-2.156E-01	-5.489E-04	-7.858E-05	0.000E+00
471	1	-7.048E-05	-1.419E-03	-2.133E-01	-5.311E-04	-1.024E-04	0.000E+00
472	1	3.086E-05	-5.172E-04	-2.066E-01	-5.026E-04	-7.542E-08	0.000E+00
473	1	1.325E-04	-1.456E-03	-2.132E-01	-5.304E-04	1.023E-04	0.000E+00
474	1	1.895E-04	-1.176E-03	-2.156E-01	-5.483E-04	7.857E-05	0.000E+00
475	1	-8.558E-05	-1.280E-03	-2.325E-01	-5.308E-04	-9.058E-05	0.000E+00
476	1	-1.941E-04	-1.318E-03	-2.298E-01	-5.219E-04	-1.058E-04	0.000E+00
477	1	3.801E-05	-6.206E-04	-2.227E-01	-5.128E-04	-1.849E-07	0.000E+00
478	1	2.662E-04	-1.354E-03	-2.297E-01	-5.213E-04	1.057E-04	0.000E+00
479	1	1.553E-04	-1.321E-03	-2.325E-01	-5.303E-04	9.055E-05	0.000E+00
480	1	-9.289E-03	-2.808E-10	-2.379E-01	5.503E-04	-1.203E-04	0.000E+00
481	1	-9.289E-03	-2.082E-10	-2.343E-01	5.412E-04	-1.376E-04	0.000E+00
482	1	-9.289E-03	-9.174E-13	-2.245E-01	5.271E-04	-3.304E-05	0.000E+00
483	1	-9.289E-03	2.064E-10	-2.289E-01	5.389E-04	7.239E-05	0.000E+00
484	1	-9.289E-03	2.789E-10	-2.307E-01	5.477E-04	5.575E-05	0.000E+00
485	1	-9.289E-03	-2.808E-10	-2.204E-01	5.674E-04	-1.086E-04	0.000E+00
486	1	-9.289E-03	-2.082E-10	-2.172E-01	5.528E-04	-1.333E-04	0.000E+00
487	1	-9.289E-03	-9.174E-13	-2.079E-01	5.140E-04	-3.257E-05	0.000E+00
488	1	-9.289E-03	2.064E-10	-2.119E-01	5.502E-04	6.877E-05	0.000E+00
489	1	-9.289E-03	2.789E-10	-2.132E-01	5.642E-04	4.450E-05	0.000E+00
490	1	-9.289E-03	-2.808E-10	-2.030E-01	4.919E-04	-7.922E-05	0.000E+00
491	1	-9.289E-03	-2.082E-10	-2.001E-01	4.892E-04	-1.127E-04	0.000E+00
492	1	-9.289E-03	-9.174E-13	-1.924E-01	4.391E-04	-3.209E-05	0.000E+00
493	1	-9.289E-03	2.064E-10	-1.949E-01	4.865E-04	4.905E-05	0.000E+00
494	1	-9.289E-03	2.789E-10	-1.959E-01	4.890E-04	1.585E-05	0.000E+00
495	1	-9.289E-03	-2.808E-10	-1.676E-01	3.337E-15	-1.101E-04	0.000E+00
496	1	-9.289E-03	-2.082E-10	-1.646E-01	3.309E-15	-1.036E-04	0.000E+00
497	1	-9.289E-03	-9.174E-13	-1.563E-01	3.103E-15	-2.928E-05	0.000E+00
498	1	-9.289E-03	2.064E-10	-1.595E-01	3.217E-15	4.121E-05	0.000E+00
499	1	-9.289E-03	2.789E-10	-1.608E-01	3.211E-15	4.749E-05	0.000E+00
500	1	-9.289E-03	-2.808E-10	-2.030E-01	-4.919E-04	-7.922E-05	0.000E+00
501	1	-9.289E-03	-2.082E-10	-2.001E-01	-4.892E-04	-1.127E-04	0.000E+00
502	1	-9.289E-03	-9.174E-13	-1.924E-01	-4.391E-04	-3.209E-05	0.000E+00
503	1	-9.289E-03	2.064E-10	-1.949E-01	-4.865E-04	4.905E-05	0.000E+00
504	1	-9.289E-03	2.789E-10	-1.959E-01	-4.890E-04	1.585E-05	0.000E+00
505	1	-9.289E-03	-2.808E-10	-2.204E-01	-5.674E-04	-1.086E-04	0.000E+00
506	1	-9.289E-03	-2.082E-10	-2.172E-01	-5.528E-04	-1.333E-04	0.000E+00
507	1	-9.289E-03	-9.174E-13	-2.079E-01	-5.140E-04	-3.257E-05	0.000E+00
508	1	-9.289E-03	2.064E-10	-2.119E-01	-5.502E-04	6.877E-05	0.000E+00
509	1	-9.289E-03	2.789E-10	-2.132E-01	-5.642E-04	4.450E-05	0.000E+00
510	1	-9.289E-03	-2.808E-10	-2.379E-01	-5.503E-04	-1.203E-04	0.000E+00
511	1	-9.289E-03	-2.082E-10	-2.343E-01	-5.412E-04	-1.376E-04	0.000E+00
512	1	-9.289E-03	-9.174E-13	-2.245E-01	-5.271E-04	-3.304E-05	0.000E+00
513	1	-9.289E-03	2.064E-10	-2.289E-01	-5.389E-04	7.239E-05	0.000E+00
514	1	-9.289E-03	2.789E-10	-2.307E-01	-5.477E-04	5.575E-05	0.000E+00
515	1	-1.016E-04	1.276E-03	-2.314E-01	5.243E-04	-8.948E-05	0.000E+00
516	1	-2.088E-04	1.310E-03	-2.287E-01	5.155E-04	-1.045E-04	0.000E+00
517	1	2.047E-05	6.130E-04	-2.217E-01	5.065E-04	-1.807E-07	0.000E+00
518	1	2.459E-04	1.329E-03	-2.286E-01	5.149E-04	1.044E-04	0.000E+00
519	1	1.363E-04	1.294E-03	-2.313E-01	5.238E-04	8.946E-05	0.000E+00
520	1	-1.389E-04	1.136E-03	-2.146E-01	5.421E-04	-7.763E-05	0.000E+00
521	1	-8.359E-05	1.410E-03	-2.123E-01	5.245E-04	-1.011E-04	0.000E+00
522	1	1.650E-05	5.109E-04	-2.057E-01	4.965E-04	-7.256E-08	0.000E+00
523	1	1.169E-04	1.430E-03	-2.123E-01	5.239E-04	1.011E-04	0.000E+00
524	1	1.732E-04	1.151E-03	-2.146E-01	5.416E-04	7.762E-05	0.000E+00
525	1	-1.085E-04	9.057E-04	-1.979E-01	4.769E-04	-4.861E-05	0.000E+00

526	1	-6.186E-05	8.750E-04	-1.960E-01	4.744E-04	-8.152E-05	0.000E+00
527	1	1.427E-05	5.287E-04	-1.908E-01	4.261E-04	1.227E-08	0.000E+00
528	1	9.227E-05	8.837E-04	-1.960E-01	4.743E-04	8.156E-05	0.000E+00
529	1	1.401E-04	9.145E-04	-1.979E-01	4.767E-04	4.864E-05	0.000E+00
530	1	-2.118E-05	9.351E-06	-1.635E-01	-2.159E-15	-8.000E-05	0.000E+00
531	1	5.062E-06	6.928E-06	-1.613E-01	-2.134E-15	-7.322E-05	0.000E+00
532	1	1.718E-05	5.779E-13	-1.555E-01	-1.966E-15	5.416E-08	0.000E+00
533	1	3.063E-05	-6.928E-06	-1.613E-01	-2.038E-15	7.331E-05	0.000E+00
534	1	5.781E-05	-9.351E-06	-1.635E-01	-2.048E-15	8.011E-05	0.000E+00
535	1	-8.796E-05	-8.870E-04	-1.979E-01	-4.769E-04	-4.861E-05	0.000E+00
536	1	-4.134E-05	-8.612E-04	-1.960E-01	-4.744E-04	-8.152E-05	0.000E+00
537	1	3.479E-05	-5.287E-04	-1.908E-01	-4.261E-04	1.227E-08	0.000E+00
538	1	1.128E-04	-8.975E-04	-1.960E-01	-4.743E-04	8.156E-05	0.000E+00
539	1	1.606E-04	-9.332E-04	-1.979E-01	-4.767E-04	4.864E-05	0.000E+00
540	1	-1.130E-04	-1.117E-03	-2.146E-01	-5.421E-04	-7.763E-05	0.000E+00
541	1	-5.772E-05	-1.396E-03	-2.123E-01	-5.245E-04	-1.011E-04	0.000E+00
542	1	4.238E-05	-5.109E-04	-2.057E-01	-4.965E-04	-7.256E-08	0.000E+00
543	1	1.428E-04	-1.444E-03	-2.123E-01	-5.239E-04	1.011E-04	0.000E+00
544	1	1.990E-04	-1.170E-03	-2.146E-01	-5.416E-04	7.762E-05	0.000E+00
545	1	-7.037E-05	-1.257E-03	-2.314E-01	-5.243E-04	-8.948E-05	0.000E+00
546	1	-1.776E-04	-1.296E-03	-2.287E-01	-5.155E-04	-1.045E-04	0.000E+00
547	1	5.171E-05	-6.130E-04	-2.217E-01	-5.065E-04	-1.807E-07	0.000E+00
548	1	2.771E-04	-1.343E-03	-2.286E-01	-5.149E-04	1.044E-04	0.000E+00
549	1	1.675E-04	-1.313E-03	-2.313E-01	-5.238E-04	8.946E-05	0.000E+00
550	1	-1.969E-12	6.654E-13	-2.259E-01	5.456E-04	-8.749E-05	0.000E+00
551	1	-1.969E-12	4.163E-13	-2.232E-01	5.367E-04	-1.043E-04	0.000E+00
552	1	-1.969E-12	-2.961E-13	-2.161E-01	5.239E-04	-1.364E-15	0.000E+00
553	1	-1.969E-12	-1.009E-12	-2.232E-01	5.367E-04	1.043E-04	0.000E+00
554	1	-1.969E-12	-1.258E-12	-2.259E-01	5.456E-04	8.749E-05	0.000E+00
555	1	-1.694E-12	6.654E-13	-2.085E-01	5.623E-04	-7.609E-05	0.000E+00
556	1	-1.694E-12	4.163E-13	-2.062E-01	5.481E-04	-1.004E-04	0.000E+00
557	1	-1.694E-12	-2.961E-13	-1.996E-01	5.108E-04	-1.370E-15	0.000E+00
558	1	-1.694E-12	-1.009E-12	-2.062E-01	5.481E-04	1.004E-04	0.000E+00
559	1	-1.694E-12	-1.258E-12	-2.085E-01	5.623E-04	7.609E-05	0.000E+00
560	1	-1.418E-12	6.654E-13	-1.912E-01	4.874E-04	-4.725E-05	0.000E+00
561	1	-1.418E-12	4.163E-13	-1.893E-01	4.848E-04	-8.039E-05	0.000E+00
562	1	-1.418E-12	-2.961E-13	-1.843E-01	4.364E-04	-1.372E-15	0.000E+00
563	1	-1.418E-12	-1.009E-12	-1.893E-01	4.848E-04	8.039E-05	0.000E+00
564	1	-1.418E-12	-1.258E-12	-1.912E-01	4.874E-04	4.725E-05	0.000E+00
565	1	-3.631E-13	6.654E-13	-1.562E-01	1.231E-15	-7.834E-05	0.000E+00
566	1	-3.631E-13	4.163E-13	-1.541E-01	1.219E-15	-7.196E-05	0.000E+00
567	1	-3.631E-13	-2.961E-13	-1.483E-01	1.142E-15	-1.294E-15	0.000E+00
568	1	-3.631E-13	-1.009E-12	-1.541E-01	1.202E-15	7.196E-05	0.000E+00
569	1	-3.631E-13	-1.258E-12	-1.562E-01	1.201E-15	7.834E-05	0.000E+00
570	1	6.920E-13	6.654E-13	-1.912E-01	-4.874E-04	-4.725E-05	0.000E+00
571	1	6.920E-13	4.163E-13	-1.893E-01	-4.848E-04	-8.039E-05	0.000E+00
572	1	6.920E-13	-2.961E-13	-1.843E-01	-4.364E-04	-1.351E-15	0.000E+00
573	1	6.920E-13	-1.009E-12	-1.893E-01	-4.848E-04	8.039E-05	0.000E+00
574	1	6.920E-13	-1.258E-12	-1.912E-01	-4.874E-04	4.725E-05	0.000E+00
575	1	9.673E-13	6.654E-13	-2.085E-01	-5.623E-04	-7.609E-05	0.000E+00
576	1	9.673E-13	4.163E-13	-2.062E-01	-5.481E-04	-1.004E-04	0.000E+00
577	1	9.673E-13	-2.961E-13	-1.996E-01	-5.108E-04	-1.355E-15	0.000E+00
578	1	9.673E-13	-1.009E-12	-2.062E-01	-5.481E-04	1.004E-04	0.000E+00
579	1	9.673E-13	-1.258E-12	-2.085E-01	-5.623E-04	7.609E-05	0.000E+00
580	1	1.243E-12	6.654E-13	-2.259E-01	-5.456E-04	-8.749E-05	0.000E+00
581	1	1.243E-12	4.163E-13	-2.232E-01	-5.367E-04	-1.043E-04	0.000E+00
582	1	1.243E-12	-2.961E-13	-2.161E-01	-5.239E-04	-1.374E-15	0.000E+00
583	1	1.243E-12	-1.009E-12	-2.232E-01	-5.367E-04	1.043E-04	0.000E+00
584	1	1.243E-12	-1.258E-12	-2.259E-01	-5.456E-04	8.749E-05	0.000E+00
585	1	-9.921E-05	1.275E-03	-2.329E-01	5.243E-04	-8.948E-05	0.000E+00
586	1	-2.064E-04	1.309E-03	-2.302E-01	5.155E-04	-1.045E-04	0.000E+00
587	1	2.287E-05	6.130E-04	-2.232E-01	5.065E-04	-1.794E-07	0.000E+00

588	1	2.483E-04	1.330E-03	-2.302E-01	5.149E-04	1.044E-04	0.000E+00
589	1	1.387E-04	1.295E-03	-2.329E-01	5.238E-04	8.946E-05	0.000E+00
590	1	-1.367E-04	1.135E-03	-2.162E-01	5.421E-04	-7.763E-05	0.000E+00
591	1	-8.147E-05	1.409E-03	-2.139E-01	5.245E-04	-1.011E-04	0.000E+00
592	1	1.863E-05	5.109E-04	-2.073E-01	4.965E-04	-7.135E-08	0.000E+00
593	1	1.191E-04	1.431E-03	-2.139E-01	5.239E-04	1.011E-04	0.000E+00
594	1	1.753E-04	1.152E-03	-2.161E-01	5.416E-04	7.762E-05	0.000E+00
595	1	-1.066E-04	9.048E-04	-1.994E-01	4.769E-04	-4.861E-05	0.000E+00
596	1	-6.000E-05	8.743E-04	-1.975E-01	4.744E-04	-8.152E-05	0.000E+00
597	1	1.612E-05	5.287E-04	-1.923E-01	4.261E-04	1.348E-08	0.000E+00
598	1	9.413E-05	8.844E-04	-1.975E-01	4.743E-04	8.156E-05	0.000E+00
599	1	1.419E-04	9.154E-04	-1.994E-01	4.767E-04	4.864E-05	0.000E+00
600	1	-2.036E-05	8.409E-06	-1.650E-01	1.461E-15	-8.000E-05	0.000E+00
601	1	5.884E-06	6.231E-06	-1.629E-01	1.435E-15	-7.322E-05	0.000E+00
602	1	1.800E-05	-3.999E-13	-1.570E-01	1.319E-15	5.538E-08	0.000E+00
603	1	3.146E-05	-6.231E-06	-1.629E-01	1.335E-15	7.331E-05	0.000E+00
604	1	5.863E-05	-8.409E-06	-1.651E-01	1.327E-15	8.011E-05	0.000E+00
605	1	-8.817E-05	-8.880E-04	-1.994E-01	-4.769E-04	-4.861E-05	0.000E+00
606	1	-4.155E-05	-8.619E-04	-1.975E-01	-4.744E-04	-8.152E-05	0.000E+00
607	1	3.457E-05	-5.287E-04	-1.923E-01	-4.261E-04	1.348E-08	0.000E+00
608	1	1.126E-04	-8.968E-04	-1.975E-01	-4.743E-04	8.156E-05	0.000E+00
609	1	1.604E-04	-9.323E-04	-1.994E-01	-4.767E-04	4.864E-05	0.000E+00
610	1	-1.135E-04	-1.118E-03	-2.162E-01	-5.421E-04	-7.763E-05	0.000E+00
611	1	-5.820E-05	-1.397E-03	-2.139E-01	-5.245E-04	-1.011E-04	0.000E+00
612	1	4.190E-05	-5.109E-04	-2.073E-01	-4.965E-04	-7.135E-08	0.000E+00
613	1	1.423E-04	-1.443E-03	-2.139E-01	-5.239E-04	1.011E-04	0.000E+00
614	1	1.986E-04	-1.169E-03	-2.161E-01	-5.416E-04	7.762E-05	0.000E+00
615	1	-7.112E-05	-1.258E-03	-2.329E-01	-5.243E-04	-8.948E-05	0.000E+00
616	1	-1.783E-04	-1.297E-03	-2.302E-01	-5.155E-04	-1.045E-04	0.000E+00
617	1	5.096E-05	-6.130E-04	-2.232E-01	-5.065E-04	-1.794E-07	0.000E+00
618	1	2.764E-04	-1.342E-03	-2.302E-01	-5.149E-04	1.044E-04	0.000E+00
619	1	1.668E-04	-1.312E-03	-2.329E-01	-5.238E-04	8.946E-05	0.000E+00
620	1	-3.302E-11	1.983E-11	-2.304E-01	5.456E-04	-8.749E-05	0.000E+00
621	1	-3.302E-11	1.465E-11	-2.277E-01	5.367E-04	-1.043E-04	0.000E+00
622	1	-3.302E-11	-1.741E-13	-2.206E-01	5.239E-04	1.478E-15	0.000E+00
623	1	-3.302E-11	-1.499E-11	-2.277E-01	5.367E-04	1.043E-04	0.000E+00
624	1	-3.302E-11	-2.018E-11	-2.304E-01	5.456E-04	8.749E-05	0.000E+00
625	1	-2.729E-11	1.983E-11	-2.130E-01	5.623E-04	-7.609E-05	0.000E+00
626	1	-2.729E-11	1.465E-11	-2.108E-01	5.481E-04	-1.004E-04	0.000E+00
627	1	-2.729E-11	-1.741E-13	-2.041E-01	5.108E-04	1.450E-15	0.000E+00
628	1	-2.729E-11	-1.499E-11	-2.108E-01	5.481E-04	1.004E-04	0.000E+00
629	1	-2.729E-11	-2.018E-11	-2.130E-01	5.623E-04	7.609E-05	0.000E+00
630	1	-2.156E-11	1.983E-11	-1.958E-01	4.874E-04	-4.725E-05	0.000E+00
631	1	-2.156E-11	1.465E-11	-1.939E-01	4.848E-04	-8.039E-05	0.000E+00
632	1	-2.156E-11	-1.741E-13	-1.888E-01	4.364E-04	1.432E-15	0.000E+00
633	1	-2.156E-11	-1.499E-11	-1.939E-01	4.848E-04	8.039E-05	0.000E+00
634	1	-2.156E-11	-2.018E-11	-1.958E-01	4.874E-04	4.725E-05	0.000E+00
635	1	3.891E-13	1.983E-11	-1.608E-01	6.179E-16	-7.834E-05	0.000E+00
636	1	3.891E-13	1.465E-11	-1.586E-01	6.160E-16	-7.196E-05	0.000E+00
637	1	3.891E-13	-1.741E-13	-1.528E-01	6.169E-16	1.281E-15	0.000E+00
638	1	3.891E-13	-1.499E-11	-1.586E-01	7.508E-16	7.196E-05	0.000E+00
639	1	3.891E-13	-2.018E-11	-1.608E-01	7.870E-16	7.834E-05	0.000E+00
640	1	2.234E-11	1.983E-11	-1.958E-01	-4.874E-04	-4.725E-05	0.000E+00
641	1	2.234E-11	1.465E-11	-1.939E-01	-4.848E-04	-8.039E-05	0.000E+00
642	1	2.234E-11	-1.741E-13	-1.888E-01	-4.364E-04	1.219E-15	0.000E+00
643	1	2.234E-11	-1.499E-11	-1.939E-01	-4.848E-04	8.039E-05	0.000E+00
644	1	2.234E-11	-2.018E-11	-1.958E-01	-4.874E-04	4.725E-05	0.000E+00
645	1	2.807E-11	1.983E-11	-2.130E-01	-5.623E-04	-7.609E-05	0.000E+00
646	1	2.807E-11	1.465E-11	-2.108E-01	-5.481E-04	-1.004E-04	0.000E+00
647	1	2.807E-11	-1.741E-13	-2.041E-01	-5.108E-04	1.177E-15	0.000E+00
648	1	2.807E-11	-1.499E-11	-2.108E-01	-5.481E-04	1.004E-04	0.000E+00
649	1	2.807E-11	-2.018E-11	-2.130E-01	-5.623E-04	7.609E-05	0.000E+00

650	1	3.379E-11	1.983E-11	-2.304E-01	-5.456E-04	-8.749E-05	0.000E+00
651	1	3.379E-11	1.465E-11	-2.277E-01	-5.367E-04	-1.043E-04	0.000E+00
652	1	3.379E-11	-1.741E-13	-2.206E-01	-5.239E-04	1.137E-15	0.000E+00
653	1	3.379E-11	-1.499E-11	-2.277E-01	-5.367E-04	1.043E-04	0.000E+00
654	1	3.379E-11	-2.018E-11	-2.304E-01	-5.456E-04	8.749E-05	0.000E+00
655	1	-3.783E-04	1.440E-03	-2.258E-01	5.243E-04	-8.948E-05	0.000E+00
656	1	-4.855E-04	1.431E-03	-2.231E-01	5.155E-04	-1.045E-04	0.000E+00
657	1	-2.563E-04	6.130E-04	-2.162E-01	5.065E-04	-1.851E-07	0.000E+00
658	1	-3.084E-05	1.207E-03	-2.231E-01	5.149E-04	1.044E-04	0.000E+00
659	1	-1.404E-04	1.130E-03	-2.258E-01	5.238E-04	8.945E-05	0.000E+00
660	1	-3.686E-04	1.300E-03	-2.091E-01	5.421E-04	-7.763E-05	0.000E+00
661	1	-3.134E-04	1.531E-03	-2.068E-01	5.245E-04	-1.011E-04	0.000E+00
662	1	-2.133E-04	5.109E-04	-2.002E-01	4.965E-04	-7.700E-08	0.000E+00
663	1	-1.128E-04	1.309E-03	-2.068E-01	5.239E-04	1.011E-04	0.000E+00
664	1	-5.661E-05	9.871E-04	-2.091E-01	5.416E-04	7.762E-05	0.000E+00
665	1	-2.913E-04	1.070E-03	-1.923E-01	4.769E-04	-4.861E-05	0.000E+00
666	1	-2.447E-04	9.965E-04	-1.904E-01	4.744E-04	-8.153E-05	0.000E+00
667	1	-1.685E-04	5.287E-04	-1.853E-01	4.261E-04	7.826E-09	0.000E+00
668	1	-9.054E-05	7.622E-04	-1.904E-01	4.743E-04	8.155E-05	0.000E+00
669	1	-4.272E-05	7.505E-04	-1.923E-01	4.767E-04	4.863E-05	0.000E+00
670	1	-2.404E-05	1.734E-04	-1.580E-01	6.080E-16	-8.001E-05	0.000E+00
671	1	2.205E-06	1.284E-04	-1.558E-01	5.872E-16	-7.322E-05	0.000E+00
672	1	1.432E-05	-1.324E-13	-1.499E-01	5.119E-16	4.972E-08	0.000E+00
673	1	2.778E-05	-1.284E-04	-1.558E-01	4.863E-16	7.331E-05	0.000E+00
674	1	5.495E-05	-1.734E-04	-1.580E-01	4.688E-16	8.010E-05	0.000E+00
675	1	8.914E-05	-7.230E-04	-1.923E-01	-4.769E-04	-4.861E-05	0.000E+00
676	1	1.358E-04	-7.397E-04	-1.904E-01	-4.744E-04	-8.153E-05	0.000E+00
677	1	2.119E-04	-5.287E-04	-1.853E-01	-4.261E-04	7.826E-09	0.000E+00
678	1	2.899E-04	-1.019E-03	-1.904E-01	-4.743E-04	8.155E-05	0.000E+00
679	1	3.377E-04	-1.097E-03	-1.923E-01	-4.767E-04	4.863E-05	0.000E+00
680	1	1.111E-04	-9.530E-04	-2.091E-01	-5.421E-04	-7.763E-05	0.000E+00
681	1	1.663E-04	-1.274E-03	-2.068E-01	-5.245E-04	-1.011E-04	0.000E+00
682	1	2.664E-04	-5.109E-04	-2.002E-01	-4.965E-04	-7.700E-08	0.000E+00
683	1	3.669E-04	-1.566E-03	-2.068E-01	-5.239E-04	1.011E-04	0.000E+00
684	1	4.231E-04	-1.334E-03	-2.091E-01	-5.416E-04	7.762E-05	0.000E+00
685	1	2.007E-04	-1.093E-03	-2.258E-01	-5.243E-04	-8.948E-05	0.000E+00
686	1	9.347E-05	-1.175E-03	-2.231E-01	-5.155E-04	-1.045E-04	0.000E+00
687	1	3.227E-04	-6.130E-04	-2.162E-01	-5.065E-04	-1.851E-07	0.000E+00
688	1	5.482E-04	-1.464E-03	-2.231E-01	-5.149E-04	1.044E-04	0.000E+00
689	1	4.386E-04	-1.477E-03	-2.258E-01	-5.238E-04	8.945E-05	0.000E+00
690	1	-2.150E-03	1.287E-03	-2.174E-01	5.456E-04	-8.749E-05	0.000E+00
691	1	-2.150E-03	9.537E-04	-2.147E-01	5.367E-04	-1.043E-04	0.000E+00
692	1	-2.150E-03	-8.449E-13	-2.076E-01	5.239E-04	-9.315E-16	0.000E+00
693	1	-2.150E-03	-9.537E-04	-2.147E-01	5.367E-04	1.043E-04	0.000E+00
694	1	-2.150E-03	-1.287E-03	-2.174E-01	5.456E-04	8.749E-05	0.000E+00
695	1	-1.781E-03	1.287E-03	-2.000E-01	5.623E-04	-7.609E-05	0.000E+00
696	1	-1.781E-03	9.537E-04	-1.977E-01	5.481E-04	-1.004E-04	0.000E+00
697	1	-1.781E-03	-8.449E-13	-1.911E-01	5.108E-04	-9.627E-16	0.000E+00
698	1	-1.781E-03	-9.537E-04	-1.977E-01	5.481E-04	1.004E-04	0.000E+00
699	1	-1.781E-03	-1.287E-03	-2.000E-01	5.623E-04	7.609E-05	0.000E+00
700	1	-1.412E-03	1.287E-03	-1.827E-01	4.874E-04	-4.725E-05	0.000E+00
701	1	-1.412E-03	9.537E-04	-1.808E-01	4.848E-04	-8.039E-05	0.000E+00
702	1	-1.412E-03	-8.449E-13	-1.757E-01	4.364E-04	-9.936E-16	0.000E+00
703	1	-1.412E-03	-9.537E-04	-1.808E-01	4.848E-04	8.039E-05	0.000E+00
704	1	-1.412E-03	-1.287E-03	-1.827E-01	4.874E-04	4.725E-05	0.000E+00
705	1	-2.397E-13	1.287E-03	-1.477E-01	4.156E-15	-7.834E-05	0.000E+00
706	1	-2.397E-13	9.537E-04	-1.456E-01	4.149E-15	-7.196E-05	0.000E+00
707	1	-2.397E-13	-8.449E-13	-1.398E-01	3.926E-15	-1.026E-15	0.000E+00
708	1	-2.397E-13	-9.537E-04	-1.456E-01	4.270E-15	7.196E-05	0.000E+00
709	1	-2.397E-13	-1.287E-03	-1.477E-01	4.308E-15	7.834E-05	0.000E+00
710	1	1.412E-03	1.287E-03	-1.827E-01	-4.874E-04	-4.725E-05	0.000E+00
711	1	1.412E-03	9.537E-04	-1.808E-01	-4.848E-04	-8.039E-05	0.000E+00

712	1	1.412E-03	-8.449E-13	-1.757E-01	-4.364E-04	-1.198E-15	0.000E+00
713	1	1.412E-03	-9.537E-04	-1.808E-01	-4.848E-04	8.039E-05	0.000E+00
714	1	1.412E-03	-1.287E-03	-1.827E-01	-4.874E-04	4.725E-05	0.000E+00
715	1	1.781E-03	1.287E-03	-2.000E-01	-5.623E-04	-7.609E-05	0.000E+00
716	1	1.781E-03	9.537E-04	-1.977E-01	-5.481E-04	-1.004E-04	0.000E+00
717	1	1.781E-03	-8.449E-13	-1.911E-01	-5.108E-04	-1.233E-15	0.000E+00
718	1	1.781E-03	-9.537E-04	-1.977E-01	-5.481E-04	1.004E-04	0.000E+00
719	1	1.781E-03	-1.287E-03	-2.000E-01	-5.623E-04	7.609E-05	0.000E+00
720	1	2.150E-03	1.287E-03	-2.174E-01	-5.456E-04	-8.749E-05	0.000E+00
721	1	2.150E-03	9.537E-04	-2.147E-01	-5.367E-04	-1.043E-04	0.000E+00
722	1	2.150E-03	-8.449E-13	-2.076E-01	-5.239E-04	-1.274E-15	0.000E+00
723	1	2.150E-03	-9.537E-04	-2.147E-01	-5.367E-04	1.043E-04	0.000E+00
724	1	2.150E-03	-1.287E-03	-2.174E-01	-5.456E-04	8.749E-05	0.000E+00
1000	1	2.648E-02	1.824E-05	4.391E-02	-9.908E-05	2.468E-03	-1.772E-07
1001	1	2.648E-02	-1.824E-05	4.391E-02	9.908E-05	2.468E-03	1.772E-07
1002	1	2.672E-02	1.592E-05	-1.263E-01	-9.908E-05	2.468E-03	-1.772E-07
1003	1	2.672E-02	-1.592E-05	-1.263E-01	9.908E-05	2.468E-03	1.772E-07
1004	1	2.722E-02	3.413E-06	-5.781E-01	-2.797E-04	2.388E-03	-3.453E-07
1005	1	2.722E-02	-3.413E-06	-5.781E-01	2.797E-04	2.388E-03	3.453E-07
1006	1	2.824E-02	-1.027E-06	-1.622E+00	-3.640E-04	1.496E-03	-3.459E-07
1007	1	2.824E-02	1.027E-06	-1.622E+00	3.640E-04	1.496E-03	3.459E-07
1008	1	2.863E-02	8.744E-08	-2.029E+00	-4.061E-04	2.634E-05	-3.980E-07
1009	1	2.863E-02	-8.744E-08	-2.029E+00	4.061E-04	2.634E-05	3.980E-07
1010	1	2.826E-02	2.526E-07	-1.649E+00	-3.640E-04	-1.443E-03	-3.537E-07
1011	1	2.826E-02	-2.526E-07	-1.649E+00	3.640E-04	-1.443E-03	3.537E-07
1012	1	2.727E-02	-9.206E-07	-6.318E-01	-2.797E-04	-2.336E-03	-2.924E-07
1013	1	2.727E-02	9.206E-07	-6.318E-01	2.797E-04	-2.336E-03	2.924E-07
1014	1	2.679E-02	5.282E-07	-1.895E-01	-9.908E-05	-2.415E-03	-1.004E-07
1015	1	2.679E-02	-5.282E-07	-1.895E-01	9.908E-05	-2.415E-03	1.004E-07
1016	1	2.679E-02	-6.397E-06	-2.294E-02	-9.908E-05	-2.415E-03	-1.004E-07
1017	1	2.679E-02	6.397E-06	-2.294E-02	9.908E-05	-2.415E-03	1.004E-07
1018	1	-9.121E-04	3.750E-04	-2.063E-02	-9.908E-05	2.449E-03	-2.444E-07
1019	1	-8.681E-04	3.623E-04	-2.063E-02	9.908E-05	2.449E-03	-4.469E-08
1020	1	-9.121E-04	3.581E-04	-1.895E-01	-9.908E-05	2.449E-03	-2.444E-07
1021	1	-8.681E-04	3.592E-04	-1.895E-01	9.908E-05	2.449E-03	-4.469E-08
1022	1	-4.210E-04	3.335E-04	-6.379E-01	-2.797E-04	2.369E-03	-4.359E-07
1023	1	-3.770E-04	3.315E-04	-6.379E-01	2.797E-04	2.369E-03	1.468E-07
1024	1	5.872E-04	2.593E-04	-1.672E+00	-3.640E-04	1.477E-03	-4.987E-07
1025	1	6.312E-04	2.585E-04	-1.672E+00	3.640E-04	1.477E-03	2.097E-07
1026	1	9.744E-04	1.717E-04	-2.069E+00	-4.061E-04	7.287E-06	-6.307E-07
1027	1	1.018E-03	1.987E-04	-2.069E+00	4.061E-04	7.287E-06	3.416E-07
1028	1	5.945E-04	2.306E-04	-1.679E+00	-3.640E-04	-1.462E-03	7.109E-07
1029	1	6.385E-04	-7.632E-06	-1.679E+00	3.640E-04	-1.462E-03	-1.000E-06
1030	1	-4.065E-04	-3.476E-04	-6.527E-01	-2.797E-04	-2.355E-03	-8.603E-06
1031	1	-3.625E-04	4.234E-04	-6.527E-01	2.797E-04	-2.355E-03	8.313E-06
1032	1	-8.946E-04	-2.525E-03	-2.070E-01	-9.908E-05	-2.434E-03	-1.210E-05
1033	1	-8.506E-04	2.549E-03	-2.070E-01	9.908E-05	-2.434E-03	1.181E-05
1034	1	-1.138E-03	-3.350E-03	-3.912E-02	-9.908E-05	-2.434E-03	-1.210E-05
1035	1	-1.094E-03	3.354E-03	-3.912E-02	9.908E-05	-2.434E-03	1.181E-05
1036	1	6.797E-04	-3.431E-03	-3.858E-02	-9.909E-05	2.442E-03	1.186E-05
1037	1	7.237E-04	3.428E-03	-3.858E-02	9.909E-05	2.442E-03	-1.215E-05
1038	1	9.239E-04	-2.603E-03	-2.070E-01	-9.909E-05	2.442E-03	1.186E-05
1039	1	9.679E-04	2.579E-03	-2.070E-01	9.909E-05	2.442E-03	-1.215E-05
1040	1	1.414E-03	-4.297E-04	-6.541E-01	-2.797E-04	2.362E-03	7.900E-06
1041	1	1.458E-03	3.538E-04	-6.541E-01	2.797E-04	2.362E-03	-8.189E-06
1042	1	2.418E-03	9.610E-06	-1.685E+00	-3.640E-04	1.470E-03	-1.733E-06
1043	1	2.462E-03	-2.326E-04	-1.685E+00	3.640E-04	1.470E-03	1.444E-06
1044	1	2.802E-03	-1.990E-04	-2.079E+00	-4.061E-04	3.979E-07	-4.513E-07
1045	1	2.846E-03	-1.714E-04	-2.079E+00	4.061E-04	3.979E-07	1.622E-07
1046	1	2.419E-03	-2.580E-04	-1.685E+00	-3.640E-04	-1.469E-03	-4.978E-07
1047	1	2.463E-03	-2.599E-04	-1.685E+00	3.640E-04	-1.469E-03	2.087E-07
1048	1	1.414E-03	-3.333E-04	-6.549E-01	-2.797E-04	-2.362E-03	-4.380E-07

1049	1	1.458E-03	-3.316E-04	-6.549E-01	2.797E-04	-2.362E-03	1.489E-07
1050	1	9.248E-04	-3.582E-04	-2.080E-01	-9.908E-05	-2.441E-03	-2.454E-07
1051	1	9.688E-04	-3.592E-04	-2.080E-01	9.908E-05	-2.441E-03	-4.364E-08
1052	1	9.248E-04	-3.751E-04	-3.959E-02	-9.908E-05	-2.441E-03	-2.454E-07
1053	1	9.688E-04	-3.622E-04	-3.959E-02	9.908E-05	-2.441E-03	-4.364E-08
1054	1	-9.593E-04	1.451E-03	-3.951E-02	-9.908E-05	2.442E-03	-6.663E-07
1055	1	-7.869E-04	1.438E-03	-3.951E-02	9.908E-05	2.442E-03	-4.666E-07
1056	1	-9.593E-04	1.405E-03	-2.080E-01	-9.908E-05	2.442E-03	-6.663E-07
1057	1	-7.869E-04	1.406E-03	-2.080E-01	9.908E-05	2.442E-03	-4.666E-07
1058	1	-4.696E-04	1.304E-03	-6.552E-01	-2.797E-04	2.363E-03	-8.578E-07
1059	1	-2.971E-04	1.302E-03	-6.552E-01	2.797E-04	2.363E-03	-2.751E-07
1060	1	5.354E-04	1.015E-03	-1.686E+00	-3.640E-04	1.470E-03	-9.207E-07
1061	1	7.079E-04	1.014E-03	-1.686E+00	3.640E-04	1.470E-03	-2.122E-07
1062	1	9.195E-04	7.124E-04	-2.080E+00	-4.061E-04	8.647E-07	-1.053E-06
1063	1	1.092E-03	7.394E-04	-2.080E+00	4.061E-04	8.647E-07	-8.032E-08
1064	1	5.363E-04	5.562E-04	-1.687E+00	-3.640E-04	-1.469E-03	2.890E-07
1065	1	7.087E-04	3.179E-04	-1.687E+00	3.640E-04	-1.469E-03	-1.422E-06
1066	1	-4.678E-04	-2.368E-04	-6.569E-01	-2.797E-04	-2.361E-03	-9.024E-06
1067	1	-2.954E-04	5.342E-04	-6.569E-01	2.797E-04	-2.361E-03	7.892E-06
1068	1	-9.572E-04	-2.491E-03	-2.101E-01	-9.908E-05	-2.441E-03	-1.252E-05
1069	1	-7.848E-04	2.583E-03	-2.101E-01	9.908E-05	-2.441E-03	1.139E-05
1070	1	-1.201E-03	-3.345E-03	-4.170E-02	-9.908E-05	-2.441E-03	-1.252E-05
1071	1	-1.029E-03	3.359E-03	-4.170E-02	9.908E-05	-2.441E-03	1.139E-05
1072	1	6.169E-04	-3.436E-03	-4.150E-02	-9.909E-05	2.444E-03	1.144E-05
1073	1	7.893E-04	3.422E-03	-4.150E-02	9.909E-05	2.444E-03	-1.257E-05
1074	1	8.612E-04	-2.637E-03	-2.101E-01	-9.909E-05	2.444E-03	1.144E-05
1075	1	1.034E-03	2.545E-03	-2.101E-01	9.909E-05	2.444E-03	-1.257E-05
1076	1	1.351E-03	-5.404E-04	-6.575E-01	-2.797E-04	2.364E-03	7.478E-06
1077	1	1.524E-03	2.430E-04	-6.575E-01	2.797E-04	2.364E-03	-8.611E-06
1078	1	2.357E-03	-3.159E-04	-1.689E+00	-3.640E-04	1.472E-03	-2.155E-06
1079	1	2.529E-03	-5.581E-04	-1.689E+00	3.640E-04	1.472E-03	1.022E-06
1080	1	2.741E-03	-7.397E-04	-2.084E+00	-4.061E-04	2.085E-06	-8.732E-07
1081	1	2.914E-03	-7.121E-04	-2.084E+00	4.061E-04	2.085E-06	-2.597E-07
1082	1	2.359E-03	-1.014E-03	-1.691E+00	-3.640E-04	-1.468E-03	-9.197E-07
1083	1	2.531E-03	-1.016E-03	-1.691E+00	3.640E-04	-1.468E-03	-2.132E-07
1084	1	1.355E-03	-1.304E-03	-6.617E-01	-2.797E-04	-2.360E-03	-8.599E-07
1085	1	1.528E-03	-1.302E-03	-6.617E-01	2.797E-04	-2.360E-03	-2.730E-07
1086	1	8.662E-04	-1.405E-03	-2.151E-01	-9.908E-05	-2.439E-03	-6.673E-07
1087	1	1.039E-03	-1.406E-03	-2.151E-01	9.908E-05	-2.439E-03	-4.656E-07
1088	1	8.662E-04	-1.451E-03	-4.679E-02	-9.908E-05	-2.439E-03	-6.673E-07
1089	1	1.039E-03	-1.438E-03	-4.679E-02	9.908E-05	-2.439E-03	-4.656E-07
1090	1	-7.540E-04	-1.834E-03	-4.692E-02	-9.908E-05	2.437E-03	6.217E-07
1091	1	-9.736E-04	-1.847E-03	-4.692E-02	9.908E-05	2.437E-03	8.214E-07
1092	1	-7.540E-04	-1.791E-03	-2.151E-01	-9.908E-05	2.438E-03	6.217E-07
1093	1	-9.736E-04	-1.790E-03	-2.151E-01	9.908E-05	2.438E-03	8.214E-07
1094	1	-2.652E-04	-1.659E-03	-6.614E-01	-2.797E-04	2.358E-03	4.301E-07
1095	1	-4.848E-04	-1.661E-03	-6.614E-01	2.797E-04	2.358E-03	1.013E-06
1096	1	7.374E-04	-1.292E-03	-1.690E+00	-3.640E-04	1.466E-03	3.673E-07
1097	1	5.178E-04	-1.293E-03	-1.690E+00	3.640E-04	1.466E-03	1.076E-06
1098	1	1.119E-03	-9.381E-04	-2.081E+00	-4.061E-04	-3.977E-06	2.354E-07
1099	1	8.994E-04	-9.111E-04	-2.081E+00	4.061E-04	-3.977E-06	1.208E-06
1100	1	7.334E-04	-4.375E-04	-1.685E+00	-3.640E-04	-1.474E-03	1.577E-06
1101	1	5.138E-04	-6.758E-04	-1.685E+00	3.640E-04	-1.474E-03	-1.339E-07
1102	1	-2.731E-04	-5.749E-04	-6.533E-01	-2.797E-04	-2.366E-03	-7.736E-06
1103	1	-4.928E-04	1.961E-04	-6.533E-01	2.797E-04	-2.366E-03	9.179E-06
1104	1	-7.635E-04	-2.596E-03	-2.055E-01	-9.908E-05	-2.446E-03	-1.123E-05
1105	1	-9.831E-04	2.478E-03	-2.055E-01	9.908E-05	-2.446E-03	1.268E-05
1106	1	-1.008E-03	-3.361E-03	-3.683E-02	-9.908E-05	-2.445E-03	-1.123E-05
1107	1	-1.228E-03	3.343E-03	-3.683E-02	9.908E-05	-2.445E-03	1.268E-05
1108	1	8.107E-04	-3.420E-03	-3.698E-02	-9.909E-05	2.443E-03	1.273E-05
1109	1	5.910E-04	3.438E-03	-3.698E-02	9.909E-05	2.443E-03	-1.128E-05
1110	1	1.055E-03	-2.532E-03	-2.055E-01	-9.909E-05	2.443E-03	1.273E-05

1111	1	8.353E-04	2.650E-03	-2.055E-01	9.909E-05	2.443E-03	-1.128E-05
1112	1	1.545E-03	-2.023E-04	-6.528E-01	-2.797E-04	2.364E-03	8.766E-06
1113	1	1.325E-03	5.811E-04	-6.528E-01	2.797E-04	2.364E-03	-7.323E-06
1114	1	2.550E-03	6.778E-04	-1.684E+00	-3.640E-04	1.471E-03	-8.667E-07
1115	1	2.331E-03	4.355E-04	-1.684E+00	3.640E-04	1.471E-03	2.310E-06
1116	1	2.935E-03	9.108E-04	-2.079E+00	-4.061E-04	1.729E-06	4.147E-07
1117	1	2.715E-03	9.384E-04	-2.079E+00	4.061E-04	1.729E-06	1.028E-06
1118	1	2.552E-03	1.294E-03	-1.686E+00	-3.640E-04	-1.468E-03	3.683E-07
1119	1	2.332E-03	1.292E-03	-1.686E+00	3.640E-04	-1.468E-03	1.075E-06
1120	1	1.548E-03	1.659E-03	-6.564E-01	-2.797E-04	-2.360E-03	4.280E-07
1121	1	1.329E-03	1.661E-03	-6.564E-01	2.797E-04	-2.360E-03	1.015E-06
1122	1	1.059E-03	1.791E-03	-2.097E-01	-9.908E-05	-2.440E-03	6.206E-07
1123	1	8.394E-04	1.790E-03	-2.097E-01	9.908E-05	-2.440E-03	8.224E-07
1124	1	1.059E-03	1.834E-03	-4.137E-02	-9.908E-05	-2.440E-03	6.206E-07
1125	1	8.394E-04	1.847E-03	-4.137E-02	9.908E-05	-2.440E-03	8.224E-07
1126	1	-8.822E-04	4.088E-05	-4.307E-02	-9.908E-05	2.489E-03	-1.134E-07
1127	1	-8.781E-04	2.821E-05	-4.307E-02	9.908E-05	2.489E-03	8.629E-08
1128	1	-8.822E-04	3.306E-05	-2.148E-01	-9.908E-05	2.490E-03	-1.134E-07
1129	1	-8.781E-04	3.417E-05	-2.148E-01	9.908E-05	2.490E-03	8.629E-08
1130	1	-3.830E-04	3.216E-05	-6.706E-01	-2.797E-04	2.409E-03	-3.049E-07
1131	1	-3.789E-04	3.017E-05	-6.706E-01	2.797E-04	2.409E-03	2.778E-07
1132	1	6.420E-04	2.469E-05	-1.722E+00	-3.640E-04	1.501E-03	-3.678E-07
1133	1	6.461E-04	2.384E-05	-1.722E+00	3.640E-04	1.501E-03	3.407E-07
1134	1	1.034E-03	3.700E-06	-2.124E+00	-4.061E-04	-5.363E-07	-5.008E-07
1135	1	1.038E-03	3.102E-05	-2.124E+00	4.061E-04	-5.363E-07	4.737E-07
1136	1	6.415E-04	1.311E-04	-1.721E+00	-3.640E-04	-1.502E-03	8.569E-07
1137	1	6.456E-04	-1.102E-04	-1.721E+00	3.640E-04	-1.502E-03	-8.840E-07
1138	1	-3.841E-04	-3.867E-04	-6.695E-01	-2.797E-04	-2.410E-03	-8.573E-06
1139	1	-3.800E-04	3.938E-04	-6.695E-01	2.797E-04	-2.410E-03	8.546E-06
1140	1	-8.835E-04	-2.567E-03	-2.135E-01	-9.908E-05	-2.491E-03	-1.212E-05
1141	1	-8.794E-04	2.570E-03	-2.135E-01	9.908E-05	-2.491E-03	1.209E-05
1142	1	-1.133E-03	-3.394E-03	-4.171E-02	-9.908E-05	-2.491E-03	-1.212E-05
1143	1	-1.128E-03	3.394E-03	-4.171E-02	9.908E-05	-2.491E-03	1.209E-05
1144	1	7.083E-04	-3.472E-03	-4.163E-02	-9.909E-05	2.492E-03	1.214E-05
1145	1	7.124E-04	3.472E-03	-4.163E-02	9.909E-05	2.492E-03	-1.217E-05
1146	1	9.574E-04	-2.625E-03	-2.135E-01	-9.909E-05	2.492E-03	1.214E-05
1147	1	9.615E-04	2.622E-03	-2.135E-01	9.909E-05	2.492E-03	-1.217E-05
1148	1	1.457E-03	-4.002E-04	-6.697E-01	-2.797E-04	2.411E-03	8.134E-06
1149	1	1.461E-03	3.930E-04	-6.697E-01	2.797E-04	2.411E-03	-8.161E-06
1150	1	2.483E-03	1.122E-04	-1.722E+00	-3.640E-04	1.503E-03	-1.617E-06
1151	1	2.487E-03	-1.331E-04	-1.722E+00	3.640E-04	1.503E-03	1.590E-06
1152	1	2.876E-03	-3.130E-05	-2.125E+00	-4.061E-04	1.633E-06	-3.192E-07
1153	1	2.880E-03	-3.414E-06	-2.125E+00	4.061E-04	1.633E-06	2.921E-07
1154	1	2.485E-03	-2.331E-05	-1.724E+00	-3.640E-04	-1.500E-03	-3.668E-07
1155	1	2.489E-03	-2.522E-05	-1.724E+00	3.640E-04	-1.500E-03	3.397E-07
1156	1	1.460E-03	-3.201E-05	-6.730E-01	-2.797E-04	-2.408E-03	-3.070E-07
1157	1	1.464E-03	-3.032E-05	-6.730E-01	2.797E-04	-2.408E-03	2.799E-07
1158	1	9.613E-04	-3.311E-05	-2.174E-01	-9.908E-05	-2.488E-03	-1.144E-07
1159	1	9.654E-04	-3.411E-05	-2.174E-01	9.908E-05	-2.488E-03	8.735E-08
1160	1	9.613E-04	-4.101E-05	-4.578E-02	-9.908E-05	-2.488E-03	-1.144E-07
1161	1	9.654E-04	-2.809E-05	-4.578E-02	9.908E-05	-2.488E-03	8.735E-08
1162	1	-8.831E-04	2.231E-04	-4.369E-02	-9.908E-05	2.442E-03	-1.848E-07
1163	1	-8.572E-04	2.105E-04	-4.369E-02	9.908E-05	2.442E-03	1.484E-08
1164	1	-8.831E-04	2.104E-04	-2.121E-01	-9.908E-05	2.442E-03	-1.848E-07
1165	1	-8.572E-04	2.115E-04	-2.121E-01	9.908E-05	2.442E-03	1.484E-08
1166	1	-3.935E-04	1.965E-04	-6.592E-01	-2.797E-04	2.362E-03	-3.764E-07
1167	1	-3.676E-04	1.946E-04	-6.592E-01	2.797E-04	2.362E-03	2.064E-07
1168	1	6.112E-04	1.527E-04	-1.689E+00	-3.640E-04	1.470E-03	-4.392E-07
1169	1	6.371E-04	1.519E-04	-1.689E+00	3.640E-04	1.470E-03	2.692E-07
1170	1	9.949E-04	9.544E-05	-2.083E+00	-4.061E-04	1.957E-07	-5.711E-07
1171	1	1.021E-03	1.224E-04	-2.083E+00	4.061E-04	1.957E-07	4.011E-07
1172	1	6.114E-04	1.847E-04	-1.690E+00	-3.640E-04	-1.469E-03	7.704E-07

1173	1	6.373E-04	-5.356E-05	-1.690E+00	3.640E-04	-1.469E-03	-9.404E-07
1174	1	-3.931E-04	-3.632E-04	-6.596E-01	-2.797E-04	-2.362E-03	-8.543E-06
1175	1	-3.672E-04	4.078E-04	-6.596E-01	2.797E-04	-2.362E-03	8.373E-06
1176	1	-8.826E-04	-2.530E-03	-2.126E-01	-9.908E-05	-2.441E-03	-1.204E-05
1177	1	-8.567E-04	2.544E-03	-2.126E-01	9.908E-05	-2.441E-03	1.187E-05
1178	1	-1.127E-03	-3.351E-03	-4.419E-02	-9.908E-05	-2.441E-03	-1.204E-05
1179	1	-1.101E-03	3.353E-03	-4.419E-02	9.908E-05	-2.441E-03	1.187E-05
1180	1	6.920E-04	-3.430E-03	-4.435E-02	-9.909E-05	2.439E-03	1.192E-05
1181	1	7.178E-04	3.428E-03	-4.435E-02	9.909E-05	2.439E-03	-1.209E-05
1182	1	9.358E-04	-2.598E-03	-2.126E-01	-9.909E-05	2.439E-03	1.192E-05
1183	1	9.617E-04	2.584E-03	-2.126E-01	9.909E-05	2.439E-03	-1.209E-05
1184	1	1.425E-03	-4.140E-04	-6.591E-01	-2.797E-04	2.359E-03	7.959E-06
1185	1	1.451E-03	3.694E-04	-6.591E-01	2.797E-04	2.359E-03	-8.129E-06
1186	1	2.428E-03	5.553E-05	-1.688E+00	-3.640E-04	1.467E-03	-1.673E-06
1187	1	2.454E-03	-1.867E-04	-1.688E+00	3.640E-04	1.467E-03	1.503E-06
1188	1	2.811E-03	-1.227E-04	-2.081E+00	-4.061E-04	-2.549E-06	-3.918E-07
1189	1	2.836E-03	-9.516E-05	-2.081E+00	4.061E-04	-2.549E-06	2.218E-07
1190	1	2.426E-03	-1.513E-04	-1.685E+00	-3.640E-04	-1.472E-03	-4.383E-07
1191	1	2.451E-03	-1.532E-04	-1.685E+00	3.640E-04	-1.472E-03	2.683E-07
1192	1	1.420E-03	-1.964E-04	-6.540E-01	-2.797E-04	-2.365E-03	-3.785E-07
1193	1	1.446E-03	-1.947E-04	-6.540E-01	2.797E-04	-2.365E-03	2.085E-07
1194	1	9.297E-04	-2.104E-04	-2.065E-01	-9.908E-05	-2.444E-03	-1.859E-07
1195	1	9.556E-04	-2.114E-04	-2.065E-01	9.908E-05	-2.444E-03	1.589E-08
1196	1	9.297E-04	-2.233E-04	-3.788E-02	-9.908E-05	-2.444E-03	-1.859E-07
1197	1	9.556E-04	-2.103E-04	-3.788E-02	9.908E-05	-2.444E-03	1.589E-08
1198	1	-8.881E-04	2.013E-04	-3.784E-02	-9.908E-05	2.445E-03	-1.763E-07
1199	1	-8.649E-04	1.886E-04	-3.784E-02	9.908E-05	2.445E-03	2.339E-08
1200	1	-8.881E-04	1.892E-04	-2.065E-01	-9.908E-05	2.445E-03	-1.763E-07
1201	1	-8.649E-04	1.903E-04	-2.065E-01	9.908E-05	2.445E-03	2.339E-08
1202	1	-3.979E-04	1.769E-04	-6.541E-01	-2.797E-04	2.365E-03	-3.678E-07
1203	1	-3.746E-04	1.749E-04	-6.541E-01	2.797E-04	2.365E-03	2.149E-07
1204	1	6.082E-04	1.374E-04	-1.686E+00	-3.640E-04	1.473E-03	-4.307E-07
1205	1	6.315E-04	1.365E-04	-1.686E+00	3.640E-04	1.473E-03	2.778E-07
1206	1	9.934E-04	8.448E-05	-2.081E+00	-4.061E-04	3.183E-06	-5.626E-07
1207	1	1.017E-03	1.115E-04	-2.081E+00	4.061E-04	3.183E-06	4.097E-07
1208	1	6.114E-04	1.781E-04	-1.689E+00	-3.640E-04	-1.466E-03	7.790E-07
1209	1	6.347E-04	-6.016E-05	-1.689E+00	3.640E-04	-1.466E-03	-9.319E-07
1210	1	-3.915E-04	-3.654E-04	-6.606E-01	-2.797E-04	-2.359E-03	-8.534E-06
1211	1	-3.683E-04	4.056E-04	-6.606E-01	2.797E-04	-2.359E-03	8.382E-06
1212	1	-8.805E-04	-2.531E-03	-2.141E-01	-9.908E-05	-2.438E-03	-1.203E-05
1213	1	-8.572E-04	2.543E-03	-2.141E-01	9.908E-05	-2.438E-03	1.188E-05
1214	1	-1.124E-03	-3.351E-03	-4.592E-02	-9.908E-05	-2.438E-03	-1.203E-05
1215	1	-1.101E-03	3.353E-03	-4.592E-02	9.908E-05	-2.438E-03	1.188E-05
1216	1	6.940E-04	-3.430E-03	-4.579E-02	-9.909E-05	2.440E-03	1.193E-05
1217	1	7.172E-04	3.428E-03	-4.579E-02	9.909E-05	2.440E-03	-1.208E-05
1218	1	9.379E-04	-2.597E-03	-2.141E-01	-9.909E-05	2.440E-03	1.193E-05
1219	1	9.612E-04	2.585E-03	-2.141E-01	9.909E-05	2.440E-03	-1.208E-05
1220	1	1.427E-03	-4.118E-04	-6.609E-01	-2.797E-04	2.361E-03	7.968E-06
1221	1	1.451E-03	3.717E-04	-6.609E-01	2.797E-04	2.361E-03	-8.121E-06
1222	1	2.431E-03	6.214E-05	-1.690E+00	-3.640E-04	1.468E-03	-1.665E-06
1223	1	2.454E-03	-1.801E-04	-1.690E+00	3.640E-04	1.468E-03	1.512E-06
1224	1	2.814E-03	-1.117E-04	-2.084E+00	-4.061E-04	-1.293E-06	-3.832E-07
1225	1	2.837E-03	-8.419E-05	-2.084E+00	4.061E-04	-1.293E-06	2.303E-07
1226	1	2.430E-03	-1.360E-04	-1.689E+00	-3.640E-04	-1.471E-03	-4.297E-07
1227	1	2.453E-03	-1.379E-04	-1.689E+00	3.640E-04	-1.471E-03	2.768E-07
1228	1	1.425E-03	-1.767E-04	-6.583E-01	-2.797E-04	-2.363E-03	-3.699E-07
1229	1	1.448E-03	-1.750E-04	-6.583E-01	2.797E-04	-2.363E-03	2.170E-07
1230	1	9.348E-04	-1.892E-04	-2.110E-01	-9.908E-05	-2.443E-03	-1.773E-07
1231	1	9.581E-04	-1.902E-04	-2.110E-01	9.908E-05	-2.443E-03	2.445E-08
1232	1	9.348E-04	-2.014E-04	-4.250E-02	-9.908E-05	-2.443E-03	-1.773E-07
1233	1	9.581E-04	-1.885E-04	-4.250E-02	9.908E-05	-2.443E-03	2.445E-08
1234	1	-1.108E-03	4.026E-03	-4.271E-02	-9.908E-05	2.440E-03	-1.676E-06

1235	1	-6.287E-04	4.013E-03	-4.271E-02	9.908E-05	2.440E-03	-1.476E-06
1236	1	-1.108E-03	3.910E-03	-2.110E-01	-9.908E-05	2.440E-03	-1.676E-06
1237	1	-6.287E-04	3.911E-03	-2.110E-01	9.908E-05	2.440E-03	-1.476E-06
1238	1	-6.192E-04	3.626E-03	-6.577E-01	-2.797E-04	2.360E-03	-1.867E-06
1239	1	-1.395E-04	3.624E-03	-6.577E-01	2.797E-04	2.360E-03	-1.285E-06
1240	1	3.845E-04	2.824E-03	-1.687E+00	-3.640E-04	1.468E-03	-1.930E-06
1241	1	8.642E-04	2.823E-03	-1.687E+00	3.640E-04	1.468E-03	-1.222E-06
1242	1	7.673E-04	2.006E-03	-2.080E+00	-4.061E-04	-1.659E-06	-2.062E-06
1243	1	1.247E-03	2.033E-03	-2.080E+00	4.061E-04	-1.659E-06	-1.090E-06
1244	1	3.829E-04	1.335E-03	-1.685E+00	-3.640E-04	-1.471E-03	-7.205E-07
1245	1	8.626E-04	1.097E-03	-1.685E+00	3.640E-04	-1.471E-03	-2.431E-06
1246	1	-6.225E-04	2.818E-05	-6.543E-01	-2.797E-04	-2.364E-03	-1.003E-05
1247	1	-1.428E-04	7.992E-04	-6.543E-01	2.797E-04	-2.364E-03	6.882E-06
1248	1	-1.112E-03	-2.409E-03	-2.070E-01	-9.908E-05	-2.443E-03	-1.353E-05
1249	1	-6.327E-04	2.665E-03	-2.070E-01	9.908E-05	-2.443E-03	1.038E-05
1250	1	-1.357E-03	-3.332E-03	-3.850E-02	-9.908E-05	-2.443E-03	-1.353E-05
1251	1	-8.770E-04	3.372E-03	-3.850E-02	9.908E-05	-2.443E-03	1.038E-05
1252	1	4.623E-04	-3.449E-03	-3.887E-02	-9.909E-05	2.438E-03	1.043E-05
1253	1	9.420E-04	3.410E-03	-3.887E-02	9.909E-05	2.438E-03	-1.358E-05
1254	1	7.060E-04	-2.720E-03	-2.070E-01	-9.909E-05	2.438E-03	1.043E-05
1255	1	1.186E-03	2.463E-03	-2.070E-01	9.909E-05	2.438E-03	-1.358E-05
1256	1	1.195E-03	-8.054E-04	-6.534E-01	-2.797E-04	2.358E-03	6.468E-06
1257	1	1.675E-03	-2.196E-05	-6.534E-01	2.797E-04	2.358E-03	-9.620E-06
1258	1	2.197E-03	-1.095E-03	-1.682E+00	-3.640E-04	1.466E-03	-3.164E-06
1259	1	2.677E-03	-1.337E-03	-1.682E+00	3.640E-04	1.466E-03	1.233E-08
1260	1	2.579E-03	-2.033E-03	-2.074E+00	-4.061E-04	-3.776E-06	-1.883E-06
1261	1	3.059E-03	-2.006E-03	-2.074E+00	4.061E-04	-3.776E-06	-1.269E-06
1262	1	2.194E-03	-2.822E-03	-1.678E+00	-3.640E-04	-1.473E-03	-1.929E-06
1263	1	2.673E-03	-2.824E-03	-1.678E+00	3.640E-04	-1.473E-03	-1.223E-06
1264	1	1.187E-03	-3.626E-03	-6.457E-01	-2.797E-04	-2.366E-03	-1.869E-06
1265	1	1.667E-03	-3.625E-03	-6.457E-01	2.797E-04	-2.366E-03	-1.282E-06
1266	1	6.969E-04	-3.910E-03	-1.980E-01	-9.908E-05	-2.445E-03	-1.677E-06
1267	1	1.177E-03	-3.911E-03	-1.980E-01	9.908E-05	-2.445E-03	-1.475E-06
1268	1	6.969E-04	-4.026E-03	-2.929E-02	-9.908E-05	-2.445E-03	-1.677E-06
1269	1	1.177E-03	-4.013E-03	-2.929E-02	9.908E-05	-2.445E-03	-1.475E-06
1270	1	-2.650E-02	6.397E-06	-3.161E-02	-9.908E-05	2.412E-03	-1.004E-07
1271	1	-2.650E-02	-6.397E-06	-3.161E-02	9.908E-05	2.412E-03	1.004E-07
1272	1	-2.650E-02	-5.278E-07	-1.980E-01	-9.908E-05	2.412E-03	-1.004E-07
1273	1	-2.650E-02	5.278E-07	-1.980E-01	9.908E-05	2.412E-03	1.004E-07
1274	1	-2.602E-02	9.197E-07	-6.396E-01	-2.797E-04	2.332E-03	-2.924E-07
1275	1	-2.602E-02	-9.197E-07	-6.396E-01	2.797E-04	2.332E-03	2.924E-07
1276	1	-2.503E-02	-2.613E-07	-1.655E+00	-3.640E-04	1.440E-03	-3.537E-07
1277	1	-2.503E-02	2.613E-07	-1.655E+00	3.640E-04	1.440E-03	3.537E-07
1278	1	-2.466E-02	8.579E-08	-2.033E+00	-4.061E-04	-2.986E-05	-3.968E-07
1279	1	-2.466E-02	-8.579E-08	-2.033E+00	4.061E-04	-2.986E-05	3.968E-07
1280	1	-2.506E-02	-4.990E-07	-1.624E+00	-3.640E-04	-1.499E-03	-3.614E-07
1281	1	-2.506E-02	4.990E-07	-1.624E+00	3.640E-04	-1.499E-03	3.614E-07
1282	1	-2.608E-02	1.525E-06	-5.787E-01	-2.797E-04	-2.392E-03	-2.405E-07
1283	1	-2.608E-02	-1.525E-06	-5.787E-01	2.797E-04	-2.392E-03	2.405E-07
1284	1	-2.657E-02	1.666E-05	-1.263E-01	-9.908E-05	-2.471E-03	-2.497E-08
1285	1	-2.657E-02	-1.666E-05	-1.263E-01	9.908E-05	-2.471E-03	2.497E-08
1286	1	-2.682E-02	2.485E-05	4.416E-02	-9.908E-05	-2.471E-03	-2.497E-08
1287	1	-2.682E-02	-2.485E-05	4.416E-02	9.908E-05	-2.471E-03	2.497E-08

FILE: defoc004.bin							
Caso di carico: 4 - Rara VentoY (1xC1 + 1xC2 + 1xC3 +/- 1xC4 + 1xC5)							
Punto	Sest.	Sx (cm)	Sy (cm)	Sz (cm)	Rx (rad)	Ry (rad)	Rz (rad)
1	1	7.723E-31	-4.545E-31	-1.087E-01	-9.701E-09	6.602E-16	0.000E+00
1	2	7.720E-31	-4.328E-31	-1.087E-01	9.701E-09	6.379E-16	0.000E+00
2	1	-9.607E-29	2.284E-16	-1.116E-01	-4.176E-04	1.256E-08	0.000E+00
2	2	9.630E-29	-2.284E-16	-1.116E-01	4.176E-04	1.256E-08	0.000E+00
3	1	-4.752E-30	-3.004E-30	-1.115E-01	-2.138E-08	4.162E-16	0.000E+00

3	2	-4.786E-30	-2.865E-30	-1.115E-01	2.138E-08	4.287E-16	0.000E+00
4	1	2.374E-29	2.284E-16	-1.120E-01	-4.443E-04	1.256E-08	0.000E+00
4	2	-2.037E-29	-2.284E-16	-1.120E-01	4.443E-04	1.256E-08	0.000E+00
5	1	-3.027E-30	2.390E-30	-1.125E-01	-2.085E-08	5.411E-17	0.000E+00
5	2	-2.942E-30	2.598E-30	-1.125E-01	2.085E-08	7.828E-17	0.000E+00
6	1	1.036E-27	2.284E-16	-1.113E-01	-4.042E-04	1.256E-08	0.000E+00
6	2	-1.042E-27	-2.284E-16	-1.113E-01	4.042E-04	1.256E-08	0.000E+00
7	1	1.197E-29	6.687E-30	-1.125E-01	-2.122E-08	6.792E-06	0.000E+00
7	2	1.193E-29	6.766E-30	-1.125E-01	2.122E-08	6.792E-06	0.000E+00
8	1	7.795E-28	2.284E-16	-1.134E-01	-4.532E-04	1.256E-08	0.000E+00
8	2	-7.843E-28	-2.284E-16	-1.134E-01	4.532E-04	1.256E-08	0.000E+00
9	1	-1.608E-29	-2.959E-30	-1.129E-01	-2.395E-08	-6.792E-06	0.000E+00
9	2	-1.606E-29	-2.962E-30	-1.129E-01	2.395E-08	-6.792E-06	0.000E+00
10	1	7.638E-29	2.284E-16	-1.124E-01	-4.666E-04	1.256E-08	0.000E+00
10	2	-7.346E-29	-2.284E-16	-1.124E-01	4.666E-04	1.256E-08	0.000E+00
11	1	-8.067E-31	-6.316E-31	-1.112E-01	-2.518E-08	-3.389E-16	0.000E+00
11	2	-9.385E-31	-7.439E-31	-1.112E-01	2.518E-08	-3.334E-16	0.000E+00
12	1	1.850E-27	2.284E-16	-1.126E-01	-4.800E-04	1.256E-08	0.000E+00
12	2	-1.861E-27	-2.284E-16	-1.126E-01	4.800E-04	1.256E-08	0.000E+00
13	1	-4.007E-31	-6.010E-32	-1.119E-01	-2.304E-08	2.838E-16	0.000E+00
13	2	-4.095E-31	-6.176E-32	-1.119E-01	2.304E-08	3.323E-16	0.000E+00
14	1	-1.787E-28	2.284E-16	-1.116E-01	-4.176E-04	1.256E-08	0.000E+00
14	2	1.836E-28	-2.284E-16	-1.116E-01	4.176E-04	1.256E-08	0.000E+00
15	1	1.849E-30	-4.448E-31	-1.100E-01	-9.827E-09	-3.305E-16	0.000E+00
15	2	1.815E-30	-3.784E-31	-1.100E-01	9.827E-09	-2.853E-16	0.000E+00
100	1	7.273E-55	2.191E-55	4.909E-02	-5.740E-05	6.664E-04	0.000E+00
100	2	-7.276E-55	-2.191E-55	2.755E-02	-9.762E-06	5.835E-04	0.000E+00
101	1	3.894E-42	1.480E-42	-1.138E-03	-6.752E-05	6.887E-04	0.000E+00
101	2	-3.898E-42	-1.483E-42	-1.616E-02	-2.892E-05	5.855E-04	0.000E+00
102	1	1.663E-29	1.018E-29	-5.503E-02	-8.968E-05	7.689E-04	0.000E+00
102	2	-1.666E-29	-1.022E-29	-6.016E-02	-6.401E-05	5.947E-04	0.000E+00
103	1	-3.866E-29	-4.268E-32	-1.214E-01	-1.232E-04	8.495E-04	0.000E+00
103	2	3.866E-29	4.387E-32	-1.081E-01	-8.179E-05	5.850E-04	0.000E+00
104	1	3.360E-29	-6.673E-30	-1.465E-01	-1.245E-04	9.018E-04	0.000E+00
104	2	-3.357E-29	6.615E-30	-1.247E-01	-8.742E-05	5.874E-04	0.000E+00
105	1	2.051E-54	-1.438E-55	4.205E-02	-5.083E-05	6.635E-04	0.000E+00
105	2	-2.050E-54	1.440E-55	2.769E-02	2.788E-05	6.033E-04	0.000E+00
106	1	1.185E-41	-2.929E-43	-8.152E-03	-4.003E-05	6.928E-04	0.000E+00
106	2	-1.185E-41	2.896E-43	-1.796E-02	1.578E-05	6.193E-04	0.000E+00
107	1	6.924E-29	2.669E-30	-6.290E-02	-2.314E-05	7.943E-04	0.000E+00
107	2	-6.924E-29	-2.743E-30	-6.543E-02	1.069E-06	6.451E-04	0.000E+00
108	1	4.502E-16	5.727E-17	-1.334E-01	9.754E-06	9.670E-04	0.000E+00
108	2	-4.502E-16	-5.887E-17	-1.171E-01	-1.174E-05	5.557E-04	0.000E+00
109	1	2.164E-28	1.136E-29	-1.595E-01	2.744E-05	9.072E-04	0.000E+00
109	2	-2.164E-28	-1.167E-29	-1.331E-01	-2.836E-05	5.446E-04	0.000E+00
110	1	1.732E-50	-2.228E-51	3.473E-02	-4.913E-05	6.243E-04	0.000E+00
110	2	6.748E-49	-1.508E-49	3.476E-02	4.913E-05	6.242E-04	0.000E+00
111	1	-1.551E-45	-3.514E-42	-1.235E-02	-3.274E-05	6.334E-04	0.000E+00
111	2	1.623E-44	3.514E-42	-1.232E-02	3.274E-05	6.333E-04	0.000E+00
112	1	-6.550E-33	-1.461E-29	-6.120E-02	-4.505E-06	6.678E-04	0.000E+00
112	2	6.853E-32	1.461E-29	-6.116E-02	4.505E-06	6.676E-04	0.000E+00
113	1	-5.935E-43	-2.148E-30	-1.176E-01	6.916E-05	6.988E-04	0.000E+00
113	2	-2.855E-43	2.148E-30	-1.175E-01	-6.916E-05	6.986E-04	0.000E+00
114	1	6.550E-33	2.233E-29	-1.381E-01	9.976E-05	7.379E-04	0.000E+00
114	2	-6.853E-32	-2.233E-29	-1.381E-01	-9.976E-05	7.377E-04	0.000E+00
115	1	-8.719E-37	7.424E-37	2.768E-02	-2.753E-05	6.033E-04	0.000E+00
115	2	-2.952E-35	1.560E-35	4.206E-02	5.048E-05	6.635E-04	0.000E+00
116	1	-1.185E-41	-2.936E-43	-1.797E-02	-1.536E-05	6.193E-04	0.000E+00
116	2	1.185E-41	2.969E-43	-8.151E-03	3.961E-05	6.928E-04	0.000E+00
117	1	-6.924E-29	2.653E-30	-6.543E-02	-5.059E-07	6.451E-04	0.000E+00
117	2	6.924E-29	-2.579E-30	-6.290E-02	2.257E-05	7.942E-04	0.000E+00
118	1	-4.502E-16	5.694E-17	-1.171E-01	1.268E-05	5.558E-04	0.000E+00

118	2	4.502E-16	-5.534E-17	-1.334E-01	-1.070E-05	9.670E-04	0.000E+00
119	1	-2.164E-28	1.129E-29	-1.331E-01	2.932E-05	5.446E-04	0.000E+00
119	2	2.164E-28	-1.097E-29	-1.595E-01	-2.840E-05	9.072E-04	0.000E+00
120	1	4.013E-36	-2.798E-36	2.760E-02	1.017E-05	5.834E-04	0.000E+00
120	2	-4.447E-36	3.283E-36	4.905E-02	5.699E-05	6.665E-04	0.000E+00
121	1	-8.749E-36	6.442E-36	-1.611E-02	2.936E-05	5.853E-04	0.000E+00
121	2	1.507E-35	-8.670E-36	-1.192E-03	6.708E-05	6.888E-04	0.000E+00
122	1	-1.663E-29	1.017E-29	-6.010E-02	6.451E-05	5.945E-04	0.000E+00
122	2	1.660E-29	-1.013E-29	-5.509E-02	8.917E-05	7.691E-04	0.000E+00
123	1	3.866E-29	-4.243E-32	-1.080E-01	8.240E-05	5.849E-04	0.000E+00
123	2	-3.866E-29	4.124E-32	-1.215E-01	1.226E-04	8.497E-04	0.000E+00
124	1	-3.361E-29	-6.685E-30	-1.246E-01	8.804E-05	5.872E-04	0.000E+00
124	2	3.364E-29	6.742E-30	-1.466E-01	1.239E-04	9.019E-04	0.000E+00
125	1	-3.360E-29	-6.672E-30	-1.466E-01	-1.241E-04	-9.015E-04	0.000E+00
125	2	3.357E-29	6.615E-30	-1.245E-01	-8.778E-05	-5.876E-04	0.000E+00
126	1	3.866E-29	-4.270E-32	-1.215E-01	-1.229E-04	-8.494E-04	0.000E+00
126	2	-3.866E-29	4.386E-32	-1.080E-01	-8.213E-05	-5.852E-04	0.000E+00
127	1	-1.663E-29	1.018E-29	-5.515E-02	-8.941E-05	-7.689E-04	0.000E+00
127	2	1.666E-29	-1.022E-29	-6.003E-02	-6.428E-05	-5.946E-04	0.000E+00
128	1	-3.894E-42	3.548E-26	-1.257E-03	-6.725E-05	-6.888E-04	0.000E+00
128	2	3.898E-42	3.677E-26	-1.604E-02	-2.921E-05	-5.853E-04	0.000E+00
129	1	1.623E-35	3.268E-37	4.899E-02	-5.712E-05	-6.666E-04	0.000E+00
129	2	4.131E-35	-8.141E-37	2.766E-02	-1.004E-05	-5.833E-04	0.000E+00
130	1	-2.164E-28	1.136E-29	-1.596E-01	2.790E-05	-9.067E-04	0.000E+00
130	2	2.164E-28	-1.167E-29	-1.330E-01	-2.884E-05	-5.451E-04	0.000E+00
131	1	-4.502E-16	5.730E-17	-1.334E-01	1.024E-05	-9.663E-04	0.000E+00
131	2	4.502E-16	-5.886E-17	-1.170E-01	-1.225E-05	-5.563E-04	0.000E+00
132	1	-6.924E-29	2.670E-30	-6.299E-02	-2.269E-05	-7.943E-04	0.000E+00
132	2	6.924E-29	-2.743E-30	-6.534E-02	6.106E-07	-6.450E-04	0.000E+00
133	1	-1.185E-41	-2.928E-43	-8.231E-03	-3.962E-05	-6.929E-04	0.000E+00
133	2	1.185E-41	2.896E-43	-1.789E-02	1.536E-05	-6.191E-04	0.000E+00
134	1	-1.442E-34	2.207E-36	4.198E-02	-5.047E-05	-6.636E-04	0.000E+00
134	2	1.295E-34	-2.773E-36	2.775E-02	2.751E-05	-6.032E-04	0.000E+00
135	1	-7.458E-33	2.233E-29	-1.381E-01	1.002E-04	-7.379E-04	0.000E+00
135	2	6.827E-32	-2.233E-29	-1.381E-01	-1.002E-04	-7.376E-04	0.000E+00
136	1	-1.959E-43	-2.148E-30	-1.176E-01	6.968E-05	-6.988E-04	0.000E+00
136	2	-5.522E-43	2.148E-30	-1.175E-01	-6.968E-05	-6.986E-04	0.000E+00
137	1	7.458E-33	-1.461E-29	-6.120E-02	-3.862E-06	-6.678E-04	0.000E+00
137	2	-6.827E-32	1.461E-29	-6.116E-02	3.862E-06	-6.676E-04	0.000E+00
138	1	1.801E-45	-3.514E-42	-1.235E-02	-3.216E-05	-6.334E-04	0.000E+00
138	2	-1.615E-44	3.514E-42	-1.232E-02	3.216E-05	-6.333E-04	0.000E+00
139	1	1.849E-34	-2.872E-35	3.473E-02	-4.863E-05	-6.243E-04	0.000E+00
139	2	8.929E-35	-1.163E-35	3.476E-02	4.863E-05	-6.242E-04	0.000E+00
140	1	2.164E-28	1.129E-29	-1.330E-01	2.980E-05	-5.451E-04	0.000E+00
140	2	-2.164E-28	-1.097E-29	-1.596E-01	-2.886E-05	-9.066E-04	0.000E+00
141	1	4.502E-16	5.691E-17	-1.170E-01	1.319E-05	-5.564E-04	0.000E+00
141	2	-4.502E-16	-5.535E-17	-1.334E-01	-1.119E-05	-9.663E-04	0.000E+00
142	1	6.924E-29	2.652E-30	-6.534E-02	-4.609E-08	-6.450E-04	0.000E+00
142	2	-6.924E-29	-2.579E-30	-6.299E-02	2.213E-05	-7.943E-04	0.000E+00
143	1	1.185E-41	-2.936E-43	-1.789E-02	-1.495E-05	-6.191E-04	0.000E+00
143	2	-1.185E-41	2.969E-43	-8.230E-03	3.920E-05	-6.930E-04	0.000E+00
144	1	1.485E-37	-4.365E-38	2.775E-02	-2.717E-05	-6.031E-04	0.000E+00
144	2	-2.011E-37	1.077E-37	4.199E-02	5.012E-05	-6.637E-04	0.000E+00
145	1	3.361E-29	-6.686E-30	-1.245E-01	8.841E-05	-5.874E-04	0.000E+00
145	2	-3.364E-29	6.742E-30	-1.467E-01	1.235E-04	-9.017E-04	0.000E+00
146	1	-3.866E-29	-4.241E-32	-1.079E-01	8.274E-05	-5.850E-04	0.000E+00
146	2	3.866E-29	4.124E-32	-1.216E-01	1.223E-04	-8.495E-04	0.000E+00
147	1	1.663E-29	1.017E-29	-5.996E-02	6.479E-05	-5.944E-04	0.000E+00
147	2	-1.660E-29	-1.013E-29	-5.522E-02	8.890E-05	-7.692E-04	0.000E+00
148	1	3.893E-42	1.480E-42	-1.599E-02	2.965E-05	-5.851E-04	0.000E+00
148	2	-3.889E-42	-1.477E-42	-1.311E-03	6.680E-05	-6.890E-04	0.000E+00
149	1	8.412E-38	1.327E-38	2.770E-02	1.045E-05	-5.832E-04	0.000E+00

149	2	1.603E-37	2.561E-38	4.894E-02	5.672E-05	-6.667E-04	0.000E+00
200	1	-1.146E-05	1.372E-05	-2.089E-01	5.456E-04	-8.749E-05	0.000E+00
200	2	1.146E-05	-1.372E-05	-2.090E-01	5.457E-04	-8.749E-05	0.000E+00
201	1	-1.146E-05	1.195E-05	-2.063E-01	5.367E-04	-1.043E-04	0.000E+00
201	2	1.146E-05	-1.195E-05	-2.063E-01	5.368E-04	-1.043E-04	0.000E+00
202	1	-1.146E-05	6.862E-06	-1.992E-01	5.238E-04	-4.118E-09	0.000E+00
202	2	1.146E-05	-6.862E-06	-1.992E-01	5.239E-04	4.118E-09	0.000E+00
203	1	-1.146E-05	1.778E-06	-2.063E-01	5.367E-04	1.043E-04	0.000E+00
203	2	1.146E-05	-1.778E-06	-2.063E-01	5.368E-04	1.043E-04	0.000E+00
204	1	-1.146E-05	-1.599E-10	-2.089E-01	5.456E-04	8.748E-05	0.000E+00
204	2	1.146E-05	-1.588E-10	-2.090E-01	5.457E-04	8.749E-05	0.000E+00
205	1	-9.494E-06	1.372E-05	-1.915E-01	5.623E-04	-7.609E-05	0.000E+00
205	2	9.494E-06	-1.372E-05	-1.915E-01	5.624E-04	-7.609E-05	0.000E+00
206	1	-9.494E-06	1.195E-05	-1.893E-01	5.481E-04	-1.004E-04	0.000E+00
206	2	9.494E-06	-1.195E-05	-1.893E-01	5.481E-04	-1.004E-04	0.000E+00
207	1	-9.494E-06	6.862E-06	-1.827E-01	5.107E-04	-3.405E-09	0.000E+00
207	2	9.494E-06	-6.862E-06	-1.827E-01	5.108E-04	3.405E-09	0.000E+00
208	1	-9.494E-06	1.778E-06	-1.893E-01	5.481E-04	1.004E-04	0.000E+00
208	2	9.494E-06	-1.778E-06	-1.893E-01	5.481E-04	1.004E-04	0.000E+00
209	1	-9.494E-06	-1.599E-10	-1.915E-01	5.623E-04	7.609E-05	0.000E+00
209	2	9.494E-06	-1.588E-10	-1.915E-01	5.624E-04	7.610E-05	0.000E+00
210	1	-7.529E-06	1.372E-05	-1.743E-01	4.874E-04	-4.725E-05	0.000E+00
210	2	7.529E-06	-1.372E-05	-1.743E-01	4.875E-04	-4.725E-05	0.000E+00
211	1	-7.529E-06	1.195E-05	-1.724E-01	4.848E-04	-8.040E-05	0.000E+00
211	2	7.529E-06	-1.195E-05	-1.724E-01	4.849E-04	-8.039E-05	0.000E+00
212	1	-7.529E-06	6.862E-06	-1.673E-01	4.364E-04	-2.639E-09	0.000E+00
212	2	7.529E-06	-6.862E-06	-1.673E-01	4.365E-04	2.639E-09	0.000E+00
213	1	-7.529E-06	1.778E-06	-1.724E-01	4.848E-04	8.039E-05	0.000E+00
213	2	7.529E-06	-1.778E-06	-1.724E-01	4.849E-04	8.040E-05	0.000E+00
214	1	-7.529E-06	-1.599E-10	-1.743E-01	4.874E-04	4.725E-05	0.000E+00
214	2	7.529E-06	-1.588E-10	-1.743E-01	4.875E-04	4.725E-05	0.000E+00
215	1	3.420E-13	1.372E-05	-1.393E-01	-4.194E-08	-7.834E-05	0.000E+00
215	2	3.304E-13	-1.372E-05	-1.393E-01	4.194E-08	-7.834E-05	0.000E+00
216	1	3.420E-13	1.195E-05	-1.372E-01	-4.216E-08	-7.196E-05	0.000E+00
216	2	3.304E-13	-1.195E-05	-1.372E-01	4.216E-08	-7.196E-05	0.000E+00
217	1	3.420E-13	6.862E-06	-1.314E-01	-4.020E-08	1.826E-15	0.000E+00
217	2	3.304E-13	-6.862E-06	-1.314E-01	4.020E-08	1.765E-15	0.000E+00
218	1	3.420E-13	1.778E-06	-1.372E-01	-4.541E-08	7.196E-05	0.000E+00
218	2	3.304E-13	-1.778E-06	-1.372E-01	4.541E-08	7.196E-05	0.000E+00
219	1	3.420E-13	-1.599E-10	-1.393E-01	-4.618E-08	7.834E-05	0.000E+00
219	2	3.304E-13	-1.588E-10	-1.393E-01	4.618E-08	7.834E-05	0.000E+00
220	1	7.529E-06	1.372E-05	-1.743E-01	-4.875E-04	-4.725E-05	0.000E+00
220	2	-7.529E-06	-1.372E-05	-1.743E-01	-4.874E-04	-4.725E-05	0.000E+00
221	1	7.529E-06	1.195E-05	-1.724E-01	-4.849E-04	-8.039E-05	0.000E+00
221	2	-7.529E-06	-1.195E-05	-1.724E-01	-4.848E-04	-8.040E-05	0.000E+00
222	1	7.529E-06	6.862E-06	-1.673E-01	-4.365E-04	2.639E-09	0.000E+00
222	2	-7.529E-06	-6.862E-06	-1.673E-01	-4.364E-04	-2.639E-09	0.000E+00
223	1	7.529E-06	1.778E-06	-1.724E-01	-4.849E-04	8.040E-05	0.000E+00
223	2	-7.529E-06	-1.778E-06	-1.724E-01	-4.848E-04	8.039E-05	0.000E+00
224	1	7.529E-06	-1.599E-10	-1.743E-01	-4.875E-04	4.725E-05	0.000E+00
224	2	-7.529E-06	-1.588E-10	-1.743E-01	-4.874E-04	4.725E-05	0.000E+00
225	1	9.494E-06	1.372E-05	-1.915E-01	-5.624E-04	-7.609E-05	0.000E+00
225	2	-9.494E-06	-1.372E-05	-1.915E-01	-5.623E-04	-7.609E-05	0.000E+00
226	1	9.494E-06	1.195E-05	-1.893E-01	-5.481E-04	-1.004E-04	0.000E+00
226	2	-9.494E-06	-1.195E-05	-1.893E-01	-5.481E-04	-1.004E-04	0.000E+00
227	1	9.494E-06	6.862E-06	-1.827E-01	-5.108E-04	3.405E-09	0.000E+00
227	2	-9.494E-06	-6.862E-06	-1.827E-01	-5.107E-04	-3.405E-09	0.000E+00
228	1	9.494E-06	1.778E-06	-1.893E-01	-5.481E-04	1.004E-04	0.000E+00
228	2	-9.494E-06	-1.778E-06	-1.893E-01	-5.481E-04	1.004E-04	0.000E+00
229	1	9.494E-06	-1.599E-10	-1.915E-01	-5.624E-04	7.610E-05	0.000E+00
229	2	-9.494E-06	-1.588E-10	-1.915E-01	-5.623E-04	7.609E-05	0.000E+00
230	1	1.146E-05	1.372E-05	-2.090E-01	-5.457E-04	-8.749E-05	0.000E+00

230	2	-1.146E-05	-1.372E-05	-2.089E-01	-5.456E-04	-8.749E-05	0.000E+00
231	1	1.146E-05	1.195E-05	-2.063E-01	-5.368E-04	-1.043E-04	0.000E+00
231	2	-1.146E-05	-1.195E-05	-2.063E-01	-5.367E-04	-1.043E-04	0.000E+00
232	1	1.146E-05	6.862E-06	-1.992E-01	-5.239E-04	4.118E-09	0.000E+00
232	2	-1.146E-05	-6.862E-06	-1.992E-01	-5.238E-04	-4.118E-09	0.000E+00
233	1	1.146E-05	1.778E-06	-2.063E-01	-5.368E-04	1.043E-04	0.000E+00
233	2	-1.146E-05	-1.778E-06	-2.063E-01	-5.367E-04	1.043E-04	0.000E+00
234	1	1.146E-05	-1.599E-10	-2.090E-01	-5.457E-04	8.749E-05	0.000E+00
234	2	-1.146E-05	-1.588E-10	-2.089E-01	-5.456E-04	8.748E-05	0.000E+00
235	1	-1.882E-01	6.570E-01	5.478E-02	-1.016E-03	-1.260E-04	0.000E+00
235	2	1.880E-01	-6.545E-01	-5.064E-01	2.065E-03	-5.300E-05	0.000E+00
236	1	-1.880E-01	6.284E-01	5.854E-02	-1.026E-03	-1.432E-04	0.000E+00
236	2	1.875E-01	-6.258E-01	-5.047E-01	2.057E-03	-6.586E-05	0.000E+00
237	1	-1.841E-01	5.452E-01	6.678E-02	-1.041E-03	-3.145E-07	0.000E+00
237	2	1.841E-01	-5.440E-01	-4.991E-01	2.054E-03	-5.573E-08	0.000E+00
238	1	-1.803E-01	4.650E-01	5.858E-02	-1.027E-03	1.435E-04	0.000E+00
238	2	1.807E-01	-4.624E-01	-5.047E-01	2.056E-03	6.519E-05	0.000E+00
239	1	-1.800E-01	4.365E-01	5.480E-02	-1.017E-03	1.265E-04	0.000E+00
239	2	1.802E-01	-4.339E-01	-5.063E-01	2.064E-03	5.244E-05	0.000E+00
240	1	-1.565E-01	6.573E-01	2.308E-02	-9.879E-04	-1.090E-04	0.000E+00
240	2	1.562E-01	-6.550E-01	-4.412E-01	2.072E-03	-4.623E-05	0.000E+00
241	1	-1.570E-01	6.284E-01	2.629E-02	-1.017E-03	-1.434E-04	0.000E+00
241	2	1.568E-01	-6.256E-01	-4.398E-01	2.066E-03	-5.888E-05	0.000E+00
242	1	-1.525E-01	5.447E-01	3.400E-02	-1.051E-03	-1.113E-07	0.000E+00
242	2	1.526E-01	-5.437E-01	-4.344E-01	2.044E-03	-4.270E-08	0.000E+00
243	1	-1.481E-01	4.650E-01	2.631E-02	-1.018E-03	1.441E-04	0.000E+00
243	2	1.483E-01	-4.622E-01	-4.398E-01	2.066E-03	5.812E-05	0.000E+00
244	1	-1.486E-01	4.368E-01	2.308E-02	-9.885E-04	1.095E-04	0.000E+00
244	2	1.489E-01	-4.345E-01	-4.412E-01	2.072E-03	4.575E-05	0.000E+00
245	1	-1.229E-01	6.569E-01	-8.207E-03	-1.051E-03	-6.898E-05	0.000E+00
245	2	1.227E-01	-6.551E-01	-3.765E-01	2.004E-03	-2.825E-05	0.000E+00
246	1	-1.227E-01	6.276E-01	-5.654E-03	-1.060E-03	-1.016E-04	0.000E+00
246	2	1.225E-01	-6.258E-01	-3.751E-01	2.009E-03	-6.143E-05	0.000E+00
247	1	-1.210E-01	5.445E-01	3.355E-04	-1.117E-03	-4.565E-08	0.000E+00
247	2	1.210E-01	-5.434E-01	-3.709E-01	1.970E-03	6.130E-08	0.000E+00
248	1	-1.193E-01	4.642E-01	-5.656E-03	-1.060E-03	1.019E-04	0.000E+00
248	2	1.194E-01	-4.624E-01	-3.751E-01	2.008E-03	6.120E-05	0.000E+00
249	1	-1.190E-01	4.364E-01	-8.217E-03	-1.051E-03	6.927E-05	0.000E+00
249	2	1.193E-01	-4.346E-01	-3.765E-01	2.004E-03	2.799E-05	0.000E+00
250	1	-2.458E-05	6.553E-01	-1.580E-01	-1.524E-03	-8.003E-05	0.000E+00
250	2	-2.350E-05	-6.552E-01	-1.580E-01	1.524E-03	-7.999E-05	0.000E+00
251	1	2.031E-06	6.263E-01	-1.558E-01	-1.529E-03	-7.324E-05	0.000E+00
251	2	2.380E-06	-6.263E-01	-1.558E-01	1.529E-03	-7.320E-05	0.000E+00
252	1	1.432E-05	5.434E-01	-1.499E-01	-1.534E-03	4.972E-08	0.000E+00
252	2	1.432E-05	-5.434E-01	-1.499E-01	1.534E-03	4.972E-08	0.000E+00
253	1	2.795E-05	4.629E-01	-1.558E-01	-1.529E-03	7.332E-05	0.000E+00
253	2	2.760E-05	-4.629E-01	-1.558E-01	1.529E-03	7.329E-05	0.000E+00
254	1	5.549E-05	4.347E-01	-1.580E-01	-1.524E-03	8.013E-05	0.000E+00
254	2	5.442E-05	-4.348E-01	-1.580E-01	1.524E-03	8.008E-05	0.000E+00
255	1	1.227E-01	6.551E-01	-3.765E-01	-2.004E-03	-2.828E-05	0.000E+00
255	2	-1.229E-01	-6.568E-01	-8.222E-03	1.050E-03	-6.894E-05	0.000E+00
256	1	1.226E-01	6.258E-01	-3.751E-01	-2.008E-03	-6.146E-05	0.000E+00
256	2	-1.226E-01	-6.275E-01	-5.670E-03	1.059E-03	-1.016E-04	0.000E+00
257	1	1.210E-01	5.434E-01	-3.708E-01	-1.969E-03	6.069E-08	0.000E+00
257	2	-1.209E-01	-5.445E-01	3.175E-04	1.117E-03	-4.504E-08	0.000E+00
258	1	1.195E-01	4.624E-01	-3.751E-01	-2.008E-03	6.123E-05	0.000E+00
258	2	-1.192E-01	-4.642E-01	-5.672E-03	1.060E-03	1.019E-04	0.000E+00
259	1	1.193E-01	4.345E-01	-3.765E-01	-2.004E-03	2.803E-05	0.000E+00
259	2	-1.190E-01	-4.364E-01	-8.233E-03	1.051E-03	6.923E-05	0.000E+00
260	1	1.562E-01	6.550E-01	-4.412E-01	-2.072E-03	-4.627E-05	0.000E+00
260	2	-1.564E-01	-6.572E-01	2.305E-02	9.874E-04	-1.090E-04	0.000E+00
261	1	1.568E-01	6.255E-01	-4.398E-01	-2.066E-03	-5.890E-05	0.000E+00

261	2	-1.569E-01	-6.283E-01	2.626E-02	1.017E-03	-1.434E-04	0.000E+00
262	1	1.526E-01	5.437E-01	-4.343E-01	-2.043E-03	-4.441E-08	0.000E+00
262	2	-1.525E-01	-5.447E-01	3.397E-02	1.050E-03	-1.096E-07	0.000E+00
263	1	1.484E-01	4.621E-01	-4.398E-01	-2.065E-03	5.814E-05	0.000E+00
263	2	-1.481E-01	-4.650E-01	2.628E-02	1.017E-03	1.440E-04	0.000E+00
264	1	1.490E-01	4.344E-01	-4.412E-01	-2.071E-03	4.579E-05	0.000E+00
264	2	-1.486E-01	-4.368E-01	2.305E-02	9.879E-04	1.095E-04	0.000E+00
265	1	1.881E-01	6.544E-01	-5.063E-01	-2.064E-03	-5.305E-05	0.000E+00
265	2	-1.882E-01	-6.569E-01	5.473E-02	1.016E-03	-1.259E-04	0.000E+00
266	1	1.876E-01	6.258E-01	-5.047E-01	-2.056E-03	-6.586E-05	0.000E+00
266	2	-1.879E-01	-6.283E-01	5.849E-02	1.025E-03	-1.432E-04	0.000E+00
267	1	1.842E-01	5.440E-01	-4.990E-01	-2.054E-03	-5.886E-08	0.000E+00
267	2	-1.841E-01	-5.452E-01	6.674E-02	1.041E-03	-3.113E-07	0.000E+00
268	1	1.808E-01	4.623E-01	-5.047E-01	-2.056E-03	6.519E-05	0.000E+00
268	2	-1.802E-01	-4.650E-01	5.853E-02	1.026E-03	1.435E-04	0.000E+00
269	1	1.803E-01	4.339E-01	-5.063E-01	-2.064E-03	5.249E-05	0.000E+00
269	2	-1.799E-01	-4.365E-01	5.475E-02	1.016E-03	1.264E-04	0.000E+00
270	1	-3.573E-02	2.143E-02	-2.274E-01	5.455E-04	-8.749E-05	0.000E+00
270	2	-3.561E-02	2.129E-02	-2.274E-01	5.458E-04	-8.749E-05	0.000E+00
271	1	-3.573E-02	1.589E-02	-2.247E-01	5.366E-04	-1.043E-04	0.000E+00
271	2	-3.561E-02	1.576E-02	-2.247E-01	5.369E-04	-1.043E-04	0.000E+00
272	1	-3.573E-02	3.570E-05	-2.176E-01	5.237E-04	-4.318E-10	0.000E+00
272	2	-3.561E-02	-3.570E-05	-2.176E-01	5.240E-04	4.318E-10	0.000E+00
273	1	-3.573E-02	-1.582E-02	-2.247E-01	5.366E-04	1.043E-04	0.000E+00
273	2	-3.561E-02	-1.583E-02	-2.247E-01	5.369E-04	1.043E-04	0.000E+00
274	1	-3.573E-02	-2.136E-02	-2.274E-01	5.455E-04	8.748E-05	0.000E+00
274	2	-3.561E-02	-2.136E-02	-2.274E-01	5.458E-04	8.749E-05	0.000E+00
275	1	-2.960E-02	2.143E-02	-2.100E-01	5.622E-04	-7.609E-05	0.000E+00
275	2	-2.950E-02	2.129E-02	-2.100E-01	5.625E-04	-7.610E-05	0.000E+00
276	1	-2.960E-02	1.589E-02	-2.077E-01	5.480E-04	-1.004E-04	0.000E+00
276	2	-2.950E-02	1.576E-02	-2.077E-01	5.482E-04	-1.004E-04	0.000E+00
277	1	-2.960E-02	3.570E-05	-2.011E-01	5.106E-04	-3.570E-10	0.000E+00
277	2	-2.950E-02	-3.570E-05	-2.011E-01	5.109E-04	3.570E-10	0.000E+00
278	1	-2.960E-02	-1.582E-02	-2.077E-01	5.479E-04	1.004E-04	0.000E+00
278	2	-2.950E-02	-1.583E-02	-2.077E-01	5.482E-04	1.004E-04	0.000E+00
279	1	-2.960E-02	-2.136E-02	-2.100E-01	5.622E-04	7.609E-05	0.000E+00
279	2	-2.950E-02	-2.136E-02	-2.100E-01	5.625E-04	7.610E-05	0.000E+00
280	1	-2.348E-02	2.143E-02	-1.927E-01	4.873E-04	-4.725E-05	0.000E+00
280	2	-2.340E-02	2.129E-02	-1.928E-01	4.876E-04	-4.725E-05	0.000E+00
281	1	-2.348E-02	1.589E-02	-1.908E-01	4.847E-04	-8.039E-05	0.000E+00
281	2	-2.340E-02	1.576E-02	-1.909E-01	4.850E-04	-8.040E-05	0.000E+00
282	1	-2.348E-02	3.570E-05	-1.857E-01	4.363E-04	-2.766E-10	0.000E+00
282	2	-2.340E-02	-3.570E-05	-1.858E-01	4.366E-04	2.766E-10	0.000E+00
283	1	-2.348E-02	-1.582E-02	-1.908E-01	4.847E-04	8.039E-05	0.000E+00
283	2	-2.340E-02	-1.583E-02	-1.909E-01	4.850E-04	8.040E-05	0.000E+00
284	1	-2.348E-02	-2.136E-02	-1.927E-01	4.873E-04	4.725E-05	0.000E+00
284	2	-2.340E-02	-2.136E-02	-1.928E-01	4.876E-04	4.725E-05	0.000E+00
285	1	4.778E-13	2.143E-02	-1.577E-01	-1.421E-07	-7.834E-05	0.000E+00
285	2	4.921E-13	2.129E-02	-1.577E-01	1.421E-07	-7.834E-05	0.000E+00
286	1	4.778E-13	1.589E-02	-1.556E-01	-1.416E-07	-7.196E-05	0.000E+00
286	2	4.921E-13	1.576E-02	-1.556E-01	1.416E-07	-7.196E-05	0.000E+00
287	1	4.778E-13	3.570E-05	-1.498E-01	-1.338E-07	1.670E-15	0.000E+00
287	2	4.921E-13	-3.570E-05	-1.498E-01	1.338E-07	1.719E-15	0.000E+00
288	1	4.778E-13	-1.582E-02	-1.556E-01	-1.419E-07	7.196E-05	0.000E+00
288	2	4.921E-13	-1.583E-02	-1.556E-01	1.419E-07	7.196E-05	0.000E+00
289	1	4.778E-13	-2.136E-02	-1.577E-01	-1.426E-07	7.834E-05	0.000E+00
289	2	4.920E-13	-2.136E-02	-1.577E-01	1.426E-07	7.834E-05	0.000E+00
290	1	2.348E-02	2.143E-02	-1.928E-01	-4.876E-04	-4.725E-05	0.000E+00
290	2	2.340E-02	2.129E-02	-1.927E-01	-4.873E-04	-4.725E-05	0.000E+00
291	1	2.348E-02	1.589E-02	-1.909E-01	-4.850E-04	-8.040E-05	0.000E+00
291	2	2.340E-02	1.576E-02	-1.908E-01	-4.847E-04	-8.039E-05	0.000E+00
292	1	2.348E-02	3.570E-05	-1.858E-01	-4.366E-04	2.766E-10	0.000E+00

292	2	2.340E-02	-3.570E-05	-1.857E-01	-4.363E-04	-2.766E-10	0.000E+00
293	1	2.348E-02	-1.582E-02	-1.909E-01	-4.850E-04	8.040E-05	0.000E+00
293	2	2.340E-02	-1.583E-02	-1.908E-01	-4.847E-04	8.039E-05	0.000E+00
294	1	2.348E-02	-2.136E-02	-1.928E-01	-4.876E-04	4.725E-05	0.000E+00
294	2	2.340E-02	-2.136E-02	-1.927E-01	-4.873E-04	4.725E-05	0.000E+00
295	1	2.960E-02	2.143E-02	-2.100E-01	-5.625E-04	-7.610E-05	0.000E+00
295	2	2.950E-02	2.129E-02	-2.100E-01	-5.622E-04	-7.609E-05	0.000E+00
296	1	2.960E-02	1.589E-02	-2.077E-01	-5.482E-04	-1.004E-04	0.000E+00
296	2	2.950E-02	1.576E-02	-2.077E-01	-5.480E-04	-1.004E-04	0.000E+00
297	1	2.960E-02	3.570E-05	-2.011E-01	-5.109E-04	3.570E-10	0.000E+00
297	2	2.950E-02	-3.570E-05	-2.011E-01	-5.106E-04	-3.570E-10	0.000E+00
298	1	2.960E-02	-1.582E-02	-2.077E-01	-5.482E-04	1.004E-04	0.000E+00
298	2	2.950E-02	-1.583E-02	-2.077E-01	-5.479E-04	1.004E-04	0.000E+00
299	1	2.960E-02	-2.136E-02	-2.100E-01	-5.625E-04	7.610E-05	0.000E+00
299	2	2.950E-02	-2.136E-02	-2.100E-01	-5.622E-04	7.609E-05	0.000E+00
300	1	3.573E-02	2.143E-02	-2.274E-01	-5.458E-04	-8.749E-05	0.000E+00
300	2	3.561E-02	2.129E-02	-2.274E-01	-5.455E-04	-8.749E-05	0.000E+00
301	1	3.573E-02	1.589E-02	-2.247E-01	-5.369E-04	-1.043E-04	0.000E+00
301	2	3.561E-02	1.576E-02	-2.247E-01	-5.366E-04	-1.043E-04	0.000E+00
302	1	3.573E-02	3.570E-05	-2.176E-01	-5.240E-04	4.318E-10	0.000E+00
302	2	3.561E-02	-3.570E-05	-2.176E-01	-5.237E-04	-4.318E-10	0.000E+00
303	1	3.573E-02	-1.582E-02	-2.247E-01	-5.369E-04	1.043E-04	0.000E+00
303	2	3.561E-02	-1.583E-02	-2.247E-01	-5.366E-04	1.043E-04	0.000E+00
304	1	3.573E-02	-2.136E-02	-2.274E-01	-5.458E-04	8.749E-05	0.000E+00
304	2	3.561E-02	-2.136E-02	-2.274E-01	-5.455E-04	8.748E-05	0.000E+00
305	1	-5.353E-02	6.730E-01	8.381E-02	-1.191E-03	-1.260E-04	0.000E+00
305	2	5.314E-02	-6.703E-01	-5.415E-01	2.239E-03	-5.299E-05	0.000E+00
306	1	-5.324E-02	6.653E-01	8.758E-02	-1.200E-03	-1.432E-04	0.000E+00
306	2	5.264E-02	-6.626E-01	-5.398E-01	2.231E-03	-6.585E-05	0.000E+00
307	1	-4.939E-02	6.419E-01	9.582E-02	-1.216E-03	-3.120E-07	0.000E+00
307	2	4.925E-02	-6.406E-01	-5.342E-01	2.229E-03	-5.331E-08	0.000E+00
308	1	-4.555E-02	6.214E-01	8.761E-02	-1.201E-03	1.435E-04	0.000E+00
308	2	4.586E-02	-6.189E-01	-5.398E-01	2.231E-03	6.520E-05	0.000E+00
309	1	-4.526E-02	6.138E-01	8.383E-02	-1.191E-03	1.265E-04	0.000E+00
309	2	4.535E-02	-6.113E-01	-5.414E-01	2.239E-03	5.244E-05	0.000E+00
310	1	-4.485E-02	6.732E-01	4.662E-02	-1.162E-03	-1.090E-04	0.000E+00
310	2	4.442E-02	-6.708E-01	-4.708E-01	2.247E-03	-4.622E-05	0.000E+00
311	1	-4.535E-02	6.653E-01	4.983E-02	-1.192E-03	-1.434E-04	0.000E+00
311	2	4.504E-02	-6.624E-01	-4.694E-01	2.241E-03	-5.888E-05	0.000E+00
312	1	-4.092E-02	6.413E-01	5.754E-02	-1.225E-03	-1.089E-07	0.000E+00
312	2	4.081E-02	-6.403E-01	-4.640E-01	2.218E-03	-4.028E-08	0.000E+00
313	1	-3.649E-02	6.214E-01	4.984E-02	-1.193E-03	1.441E-04	0.000E+00
313	2	3.657E-02	-6.187E-01	-4.694E-01	2.240E-03	5.812E-05	0.000E+00
314	1	-3.699E-02	6.141E-01	4.662E-02	-1.163E-03	1.095E-04	0.000E+00
314	2	3.719E-02	-6.119E-01	-4.708E-01	2.246E-03	4.575E-05	0.000E+00
315	1	-3.440E-02	6.729E-01	9.832E-03	-1.225E-03	-6.898E-05	0.000E+00
315	2	3.406E-02	-6.709E-01	-4.006E-01	2.179E-03	-2.824E-05	0.000E+00
316	1	-3.417E-02	6.644E-01	1.238E-02	-1.234E-03	-1.016E-04	0.000E+00
316	2	3.393E-02	-6.626E-01	-3.992E-01	2.183E-03	-6.142E-05	0.000E+00
317	1	-3.245E-02	6.411E-01	1.837E-02	-1.292E-03	-4.322E-08	0.000E+00
317	2	3.236E-02	-6.400E-01	-3.950E-01	2.144E-03	6.372E-08	0.000E+00
318	1	-3.073E-02	6.206E-01	1.238E-02	-1.235E-03	1.019E-04	0.000E+00
318	2	3.080E-02	-6.189E-01	-3.992E-01	2.183E-03	6.120E-05	0.000E+00
319	1	-3.051E-02	6.137E-01	9.821E-03	-1.225E-03	6.927E-05	0.000E+00
319	2	3.067E-02	-6.120E-01	-4.006E-01	2.179E-03	2.800E-05	0.000E+00
320	1	-2.305E-05	6.712E-01	-1.610E-01	-1.698E-03	-8.003E-05	0.000E+00
320	2	-2.197E-05	-6.711E-01	-1.610E-01	1.698E-03	-7.998E-05	0.000E+00
321	1	3.559E-06	6.632E-01	-1.588E-01	-1.704E-03	-7.324E-05	0.000E+00
321	2	3.908E-06	-6.631E-01	-1.588E-01	1.704E-03	-7.320E-05	0.000E+00
322	1	1.585E-05	6.400E-01	-1.530E-01	-1.709E-03	5.214E-08	0.000E+00
322	2	1.585E-05	-6.400E-01	-1.530E-01	1.709E-03	5.214E-08	0.000E+00
323	1	2.948E-05	6.193E-01	-1.588E-01	-1.704E-03	7.333E-05	0.000E+00

323	2	2.913E-05	-6.194E-01	-1.588E-01	1.704E-03	7.329E-05	0.000E+00
324	1	5.701E-05	6.120E-01	-1.610E-01	-1.698E-03	8.013E-05	0.000E+00
324	2	5.595E-05	-6.122E-01	-1.610E-01	1.698E-03	8.008E-05	0.000E+00
325	1	3.419E-02	6.710E-01	-4.006E-01	-2.179E-03	-2.828E-05	0.000E+00
325	2	-3.426E-02	-6.727E-01	9.817E-03	1.225E-03	-6.894E-05	0.000E+00
326	1	3.406E-02	6.627E-01	-3.992E-01	-2.183E-03	-6.145E-05	0.000E+00
326	2	-3.403E-02	-6.643E-01	1.237E-02	1.234E-03	-1.016E-04	0.000E+00
327	1	3.250E-02	6.400E-01	-3.949E-01	-2.144E-03	6.311E-08	0.000E+00
327	2	-3.231E-02	-6.411E-01	1.836E-02	1.291E-03	-4.261E-08	0.000E+00
328	1	3.094E-02	6.188E-01	-3.992E-01	-2.183E-03	6.123E-05	0.000E+00
328	2	-3.060E-02	-6.207E-01	1.237E-02	1.234E-03	1.019E-04	0.000E+00
329	1	3.081E-02	6.118E-01	-4.006E-01	-2.179E-03	2.803E-05	0.000E+00
329	2	-3.037E-02	-6.138E-01	9.806E-03	1.225E-03	6.923E-05	0.000E+00
330	1	4.459E-02	6.709E-01	-4.708E-01	-2.246E-03	-4.626E-05	0.000E+00
330	2	-4.467E-02	-6.731E-01	4.659E-02	1.162E-03	-1.090E-04	0.000E+00
331	1	4.521E-02	6.624E-01	-4.694E-01	-2.240E-03	-5.889E-05	0.000E+00
331	2	-4.518E-02	-6.651E-01	4.980E-02	1.191E-03	-1.434E-04	0.000E+00
332	1	4.098E-02	6.403E-01	-4.639E-01	-2.218E-03	-4.199E-08	0.000E+00
332	2	-4.075E-02	-6.413E-01	5.751E-02	1.225E-03	-1.072E-07	0.000E+00
333	1	3.675E-02	6.185E-01	-4.694E-01	-2.240E-03	5.814E-05	0.000E+00
333	2	-3.632E-02	-6.215E-01	4.981E-02	1.192E-03	1.441E-04	0.000E+00
334	1	3.737E-02	6.117E-01	-4.708E-01	-2.246E-03	4.579E-05	0.000E+00
334	2	-3.682E-02	-6.142E-01	4.659E-02	1.162E-03	1.095E-04	0.000E+00
335	1	5.335E-02	6.704E-01	-5.414E-01	-2.239E-03	-5.305E-05	0.000E+00
335	2	-5.332E-02	-6.728E-01	8.376E-02	1.190E-03	-1.259E-04	0.000E+00
336	1	5.284E-02	6.626E-01	-5.398E-01	-2.231E-03	-6.585E-05	0.000E+00
336	2	-5.302E-02	-6.651E-01	8.753E-02	1.200E-03	-1.432E-04	0.000E+00
337	1	4.946E-02	6.406E-01	-5.341E-01	-2.228E-03	-5.644E-08	0.000E+00
337	2	-4.918E-02	-6.418E-01	9.577E-02	1.215E-03	-3.089E-07	0.000E+00
338	1	4.607E-02	6.187E-01	-5.398E-01	-2.230E-03	6.520E-05	0.000E+00
338	2	-4.535E-02	-6.215E-01	8.756E-02	1.201E-03	1.435E-04	0.000E+00
339	1	4.557E-02	6.112E-01	-5.414E-01	-2.238E-03	5.249E-05	0.000E+00
339	2	-4.506E-02	-6.139E-01	8.378E-02	1.191E-03	1.264E-04	0.000E+00
340	1	5.426E-03	-3.205E-03	-2.344E-01	5.454E-04	-8.748E-05	0.000E+00
340	2	5.283E-03	-3.208E-03	-2.345E-01	5.458E-04	-8.749E-05	0.000E+00
341	1	5.426E-03	-2.363E-03	-2.318E-01	5.365E-04	-1.043E-04	0.000E+00
341	2	5.283E-03	-2.388E-03	-2.318E-01	5.369E-04	-1.043E-04	0.000E+00
342	1	5.426E-03	4.452E-05	-2.247E-01	5.237E-04	6.901E-10	0.000E+00
342	2	5.283E-03	-4.452E-05	-2.247E-01	5.240E-04	-6.901E-10	0.000E+00
343	1	5.426E-03	2.452E-03	-2.318E-01	5.365E-04	1.043E-04	0.000E+00
343	2	5.283E-03	2.299E-03	-2.318E-01	5.369E-04	1.043E-04	0.000E+00
344	1	5.426E-03	3.294E-03	-2.344E-01	5.454E-04	8.749E-05	0.000E+00
344	2	5.283E-03	3.119E-03	-2.345E-01	5.458E-04	8.749E-05	0.000E+00
345	1	4.496E-03	-3.205E-03	-2.170E-01	5.622E-04	-7.609E-05	0.000E+00
345	2	4.377E-03	-3.208E-03	-2.171E-01	5.625E-04	-7.610E-05	0.000E+00
346	1	4.496E-03	-2.363E-03	-2.148E-01	5.479E-04	-1.004E-04	0.000E+00
346	2	4.377E-03	-2.388E-03	-2.148E-01	5.483E-04	-1.004E-04	0.000E+00
347	1	4.496E-03	4.452E-05	-2.082E-01	5.106E-04	5.706E-10	0.000E+00
347	2	4.377E-03	-4.452E-05	-2.082E-01	5.110E-04	-5.706E-10	0.000E+00
348	1	4.496E-03	2.452E-03	-2.148E-01	5.479E-04	1.004E-04	0.000E+00
348	2	4.377E-03	2.299E-03	-2.148E-01	5.483E-04	1.004E-04	0.000E+00
349	1	4.496E-03	3.294E-03	-2.170E-01	5.622E-04	7.609E-05	0.000E+00
349	2	4.377E-03	3.119E-03	-2.171E-01	5.625E-04	7.610E-05	0.000E+00
350	1	3.565E-03	-3.205E-03	-1.998E-01	4.872E-04	-4.725E-05	0.000E+00
350	2	3.471E-03	-3.208E-03	-1.998E-01	4.876E-04	-4.725E-05	0.000E+00
351	1	3.565E-03	-2.363E-03	-1.979E-01	4.847E-04	-8.039E-05	0.000E+00
351	2	3.471E-03	-2.388E-03	-1.979E-01	4.850E-04	-8.040E-05	0.000E+00
352	1	3.565E-03	4.452E-05	-1.928E-01	4.363E-04	4.422E-10	0.000E+00
352	2	3.471E-03	-4.452E-05	-1.929E-01	4.366E-04	-4.422E-10	0.000E+00
353	1	3.565E-03	2.452E-03	-1.979E-01	4.847E-04	8.039E-05	0.000E+00
353	2	3.471E-03	2.299E-03	-1.979E-01	4.850E-04	8.040E-05	0.000E+00
354	1	3.565E-03	3.294E-03	-1.998E-01	4.872E-04	4.725E-05	0.000E+00

354	2	3.471E-03	3.119E-03	-1.998E-01	4.876E-04	4.725E-05	0.000E+00
355	1	8.072E-14	-3.205E-03	-1.648E-01	-1.558E-07	-7.834E-05	0.000E+00
355	2	1.153E-13	-3.208E-03	-1.648E-01	1.558E-07	-7.834E-05	0.000E+00
356	1	8.072E-14	-2.363E-03	-1.627E-01	-1.551E-07	-7.196E-05	0.000E+00
356	2	1.153E-13	-2.388E-03	-1.627E-01	1.551E-07	-7.196E-05	0.000E+00
357	1	8.073E-14	4.452E-05	-1.569E-01	-1.472E-07	2.575E-16	0.000E+00
357	2	1.153E-13	-4.452E-05	-1.569E-01	1.472E-07	3.635E-16	0.000E+00
358	1	8.072E-14	2.452E-03	-1.627E-01	-1.546E-07	7.196E-05	0.000E+00
358	2	1.153E-13	2.299E-03	-1.627E-01	1.546E-07	7.196E-05	0.000E+00
359	1	8.072E-14	3.294E-03	-1.648E-01	-1.551E-07	7.834E-05	0.000E+00
359	2	1.153E-13	3.119E-03	-1.648E-01	1.551E-07	7.834E-05	0.000E+00
360	1	-3.565E-03	-3.205E-03	-1.998E-01	-4.876E-04	-4.725E-05	0.000E+00
360	2	-3.471E-03	-3.208E-03	-1.998E-01	-4.872E-04	-4.725E-05	0.000E+00
361	1	-3.565E-03	-2.363E-03	-1.979E-01	-4.850E-04	-8.040E-05	0.000E+00
361	2	-3.471E-03	-2.388E-03	-1.979E-01	-4.847E-04	-8.039E-05	0.000E+00
362	1	-3.565E-03	4.452E-05	-1.929E-01	-4.366E-04	-4.422E-10	0.000E+00
362	2	-3.471E-03	-4.452E-05	-1.928E-01	-4.363E-04	4.422E-10	0.000E+00
363	1	-3.565E-03	2.452E-03	-1.979E-01	-4.850E-04	8.040E-05	0.000E+00
363	2	-3.471E-03	2.299E-03	-1.979E-01	-4.847E-04	8.039E-05	0.000E+00
364	1	-3.565E-03	3.294E-03	-1.998E-01	-4.876E-04	4.725E-05	0.000E+00
364	2	-3.471E-03	3.119E-03	-1.998E-01	-4.872E-04	4.725E-05	0.000E+00
365	1	-4.496E-03	-3.205E-03	-2.171E-01	-5.625E-04	-7.610E-05	0.000E+00
365	2	-4.377E-03	-3.208E-03	-2.170E-01	-5.622E-04	-7.609E-05	0.000E+00
366	1	-4.496E-03	-2.363E-03	-2.148E-01	-5.483E-04	-1.004E-04	0.000E+00
366	2	-4.377E-03	-2.388E-03	-2.148E-01	-5.479E-04	-1.004E-04	0.000E+00
367	1	-4.496E-03	4.452E-05	-2.082E-01	-5.110E-04	-5.706E-10	0.000E+00
367	2	-4.377E-03	-4.452E-05	-2.082E-01	-5.106E-04	5.706E-10	0.000E+00
368	1	-4.496E-03	2.452E-03	-2.148E-01	-5.483E-04	1.004E-04	0.000E+00
368	2	-4.377E-03	2.299E-03	-2.148E-01	-5.479E-04	1.004E-04	0.000E+00
369	1	-4.496E-03	3.294E-03	-2.171E-01	-5.625E-04	7.610E-05	0.000E+00
369	2	-4.377E-03	3.119E-03	-2.170E-01	-5.622E-04	7.609E-05	0.000E+00
370	1	-5.426E-03	-3.205E-03	-2.345E-01	-5.458E-04	-8.749E-05	0.000E+00
370	2	-5.283E-03	-3.208E-03	-2.344E-01	-5.454E-04	-8.748E-05	0.000E+00
371	1	-5.426E-03	-2.363E-03	-2.318E-01	-5.369E-04	-1.043E-04	0.000E+00
371	2	-5.283E-03	-2.388E-03	-2.318E-01	-5.365E-04	-1.043E-04	0.000E+00
372	1	-5.426E-03	4.452E-05	-2.247E-01	-5.240E-04	-6.901E-10	0.000E+00
372	2	-5.283E-03	-4.452E-05	-2.247E-01	-5.237E-04	6.901E-10	0.000E+00
373	1	-5.426E-03	2.452E-03	-2.318E-01	-5.369E-04	1.043E-04	0.000E+00
373	2	-5.283E-03	2.299E-03	-2.318E-01	-5.365E-04	1.043E-04	0.000E+00
374	1	-5.426E-03	3.294E-03	-2.345E-01	-5.458E-04	8.749E-05	0.000E+00
374	2	-5.283E-03	3.119E-03	-2.344E-01	-5.454E-04	8.749E-05	0.000E+00
375	1	1.340E+00	-3.028E-01	4.089E-02	-9.324E-04	-1.260E-04	0.000E+00
375	2	-1.340E+00	3.051E-01	-4.895E-01	1.981E-03	-5.300E-05	0.000E+00
376	1	1.341E+00	-9.422E-02	4.465E-02	-9.421E-04	-1.432E-04	0.000E+00
376	2	-1.341E+00	9.671E-02	-4.878E-01	1.973E-03	-6.586E-05	0.000E+00
377	1	1.344E+00	5.007E-01	5.289E-02	-9.575E-04	-3.157E-07	0.000E+00
377	2	-1.344E+00	-4.995E-01	-4.822E-01	1.971E-03	-5.694E-08	0.000E+00
378	1	1.348E+00	1.099E+00	4.469E-02	-9.428E-04	1.435E-04	0.000E+00
378	2	-1.347E+00	-1.096E+00	-4.878E-01	1.973E-03	6.519E-05	0.000E+00
379	1	1.349E+00	1.307E+00	4.091E-02	-9.331E-04	1.265E-04	0.000E+00
379	2	-1.348E+00	-1.305E+00	-4.894E-01	1.981E-03	5.244E-05	0.000E+00
380	1	1.110E+00	-3.025E-01	1.183E-02	-9.041E-04	-1.090E-04	0.000E+00
380	2	-1.110E+00	3.046E-01	-4.270E-01	1.988E-03	-4.623E-05	0.000E+00
381	1	1.109E+00	-9.424E-02	1.505E-02	-9.334E-04	-1.434E-04	0.000E+00
381	2	-1.109E+00	9.692E-02	-4.256E-01	1.983E-03	-5.888E-05	0.000E+00
382	1	1.114E+00	5.002E-01	2.275E-02	-9.668E-04	-1.125E-07	0.000E+00
382	2	-1.114E+00	-4.992E-01	-4.201E-01	1.960E-03	-4.390E-08	0.000E+00
383	1	1.118E+00	1.099E+00	1.506E-02	-9.343E-04	1.441E-04	0.000E+00
383	2	-1.118E+00	-1.096E+00	-4.256E-01	1.982E-03	5.812E-05	0.000E+00
384	1	1.118E+00	1.308E+00	1.183E-02	-9.047E-04	1.095E-04	0.000E+00
384	2	-1.117E+00	-1.305E+00	-4.269E-01	1.988E-03	4.575E-05	0.000E+00
385	1	8.814E-01	-3.029E-01	-1.681E-02	-9.669E-04	-6.898E-05	0.000E+00

385	2	-8.814E-01	3.045E-01	-3.648E-01	1.921E-03	-2.825E-05	0.000E+00
386	1	8.816E-01	-9.507E-02	-1.426E-02	-9.759E-04	-1.016E-04	0.000E+00
386	2	-8.816E-01	9.669E-02	-3.635E-01	1.925E-03	-6.143E-05	0.000E+00
387	1	8.833E-01	5.000E-01	-8.272E-03	-1.033E-03	-4.686E-08	0.000E+00
387	2	-8.831E-01	-4.989E-01	-3.592E-01	1.886E-03	6.009E-08	0.000E+00
388	1	8.851E-01	1.098E+00	-1.426E-02	-9.761E-04	1.019E-04	0.000E+00
388	2	-8.847E-01	-1.096E+00	-3.635E-01	1.925E-03	6.120E-05	0.000E+00
389	1	8.853E-01	1.307E+00	-1.682E-02	-9.671E-04	6.927E-05	0.000E+00
389	2	-8.848E-01	-1.305E+00	-3.648E-01	1.920E-03	2.799E-05	0.000E+00
390	1	-2.531E-05	-3.045E-01	-1.565E-01	-1.440E-03	-8.003E-05	0.000E+00
390	2	-2.424E-05	3.043E-01	-1.564E-01	1.440E-03	-7.999E-05	0.000E+00
391	1	1.294E-06	-9.632E-02	-1.543E-01	-1.445E-03	-7.324E-05	0.000E+00
391	2	1.643E-06	9.620E-02	-1.543E-01	1.445E-03	-7.321E-05	0.000E+00
392	1	1.359E-05	4.989E-01	-1.484E-01	-1.450E-03	4.851E-08	0.000E+00
392	2	1.359E-05	-4.989E-01	-1.484E-01	1.450E-03	4.851E-08	0.000E+00
393	1	2.721E-05	1.097E+00	-1.543E-01	-1.445E-03	7.332E-05	0.000E+00
393	2	2.687E-05	-1.096E+00	-1.543E-01	1.445E-03	7.329E-05	0.000E+00
394	1	5.475E-05	1.306E+00	-1.565E-01	-1.440E-03	8.013E-05	0.000E+00
394	2	5.368E-05	-1.305E+00	-1.565E-01	1.440E-03	8.008E-05	0.000E+00
395	1	-8.816E-01	-3.047E-01	-3.648E-01	-1.920E-03	-2.828E-05	0.000E+00
395	2	8.812E-01	3.027E-01	-1.683E-02	9.666E-04	-6.894E-05	0.000E+00
396	1	-8.817E-01	-9.683E-02	-3.635E-01	-1.924E-03	-6.146E-05	0.000E+00
396	2	8.815E-01	9.497E-02	-1.428E-02	9.756E-04	-1.016E-04	0.000E+00
397	1	-8.833E-01	4.989E-01	-3.592E-01	-1.885E-03	5.948E-08	0.000E+00
397	2	8.832E-01	-5.000E-01	-8.290E-03	1.033E-03	-4.625E-08	0.000E+00
398	1	-8.849E-01	1.096E+00	-3.635E-01	-1.924E-03	6.123E-05	0.000E+00
398	2	8.849E-01	-1.098E+00	-1.428E-02	9.758E-04	1.019E-04	0.000E+00
399	1	-8.850E-01	1.305E+00	-3.648E-01	-1.920E-03	2.803E-05	0.000E+00
399	2	8.851E-01	-1.307E+00	-1.684E-02	9.668E-04	6.923E-05	0.000E+00
400	1	-1.110E+00	-3.048E-01	-4.269E-01	-1.988E-03	-4.627E-05	0.000E+00
400	2	1.110E+00	3.024E-01	1.181E-02	9.035E-04	-1.090E-04	0.000E+00
401	1	-1.110E+00	-9.708E-02	-4.255E-01	-1.982E-03	-5.890E-05	0.000E+00
401	2	1.109E+00	9.416E-02	1.501E-02	9.328E-04	-1.434E-04	0.000E+00
402	1	-1.114E+00	4.992E-01	-4.201E-01	-1.959E-03	-4.562E-08	0.000E+00
402	2	1.114E+00	-5.002E-01	2.272E-02	9.664E-04	-1.108E-07	0.000E+00
403	1	-1.118E+00	1.096E+00	-4.255E-01	-1.981E-03	5.813E-05	0.000E+00
403	2	1.118E+00	-1.099E+00	1.503E-02	9.336E-04	1.440E-04	0.000E+00
404	1	-1.117E+00	1.305E+00	-4.269E-01	-1.987E-03	4.578E-05	0.000E+00
404	2	1.118E+00	-1.307E+00	1.180E-02	9.041E-04	1.094E-04	0.000E+00
405	1	-1.340E+00	-3.053E-01	-4.894E-01	-1.980E-03	-5.305E-05	0.000E+00
405	2	1.340E+00	3.026E-01	4.084E-02	9.318E-04	-1.259E-04	0.000E+00
406	1	-1.341E+00	-9.686E-02	-4.878E-01	-1.972E-03	-6.586E-05	0.000E+00
406	2	1.340E+00	9.414E-02	4.460E-02	9.415E-04	-1.432E-04	0.000E+00
407	1	-1.344E+00	4.995E-01	-4.821E-01	-1.970E-03	-6.007E-08	0.000E+00
407	2	1.344E+00	-5.007E-01	5.285E-02	9.571E-04	-3.126E-07	0.000E+00
408	1	-1.348E+00	1.096E+00	-4.878E-01	-1.972E-03	6.519E-05	0.000E+00
408	2	1.348E+00	-1.099E+00	4.464E-02	9.422E-04	1.435E-04	0.000E+00
409	1	-1.348E+00	1.305E+00	-4.894E-01	-1.980E-03	5.249E-05	0.000E+00
409	2	1.348E+00	-1.307E+00	4.086E-02	9.325E-04	1.264E-04	0.000E+00
410	1	8.399E-03	1.424E-04	-2.282E-01	5.476E-04	-5.684E-05	0.000E+00
410	2	8.743E-03	-1.424E-04	-2.283E-01	5.479E-04	-5.684E-05	0.000E+00
411	1	8.399E-03	1.157E-04	-2.264E-01	5.387E-04	-7.348E-05	0.000E+00
411	2	8.743E-03	-1.157E-04	-2.265E-01	5.391E-04	-7.348E-05	0.000E+00
412	1	8.399E-03	3.953E-05	-2.219E-01	5.269E-04	3.195E-05	0.000E+00
412	2	8.743E-03	-3.953E-05	-2.220E-01	5.273E-04	3.195E-05	0.000E+00
413	1	8.399E-03	-3.669E-05	-2.316E-01	5.410E-04	1.365E-04	0.000E+00
413	2	8.743E-03	3.669E-05	-2.317E-01	5.413E-04	1.365E-04	0.000E+00
414	1	8.399E-03	-6.334E-05	-2.352E-01	5.501E-04	1.192E-04	0.000E+00
414	2	8.743E-03	6.334E-05	-2.353E-01	5.504E-04	1.192E-04	0.000E+00
415	1	8.429E-03	1.424E-04	-2.108E-01	5.641E-04	-4.559E-05	0.000E+00
415	2	8.713E-03	-1.424E-04	-2.108E-01	5.644E-04	-4.559E-05	0.000E+00
416	1	8.429E-03	1.157E-04	-2.094E-01	5.500E-04	-6.986E-05	0.000E+00

416	2	8.713E-03	-1.157E-04	-2.094E-01	5.504E-04	-6.986E-05	0.000E+00
417	1	8.429E-03	3.953E-05	-2.053E-01	5.138E-04	3.148E-05	0.000E+00
417	2	8.713E-03	-3.953E-05	-2.053E-01	5.141E-04	3.148E-05	0.000E+00
418	1	8.429E-03	-3.669E-05	-2.145E-01	5.527E-04	1.322E-04	0.000E+00
418	2	8.713E-03	3.669E-05	-2.146E-01	5.530E-04	1.322E-04	0.000E+00
419	1	8.429E-03	-6.334E-05	-2.177E-01	5.672E-04	1.075E-04	0.000E+00
419	2	8.713E-03	6.334E-05	-2.177E-01	5.675E-04	1.075E-04	0.000E+00
420	1	8.458E-03	1.424E-04	-1.935E-01	4.889E-04	-1.694E-05	0.000E+00
420	2	8.684E-03	-1.424E-04	-1.935E-01	4.892E-04	-1.694E-05	0.000E+00
421	1	8.458E-03	1.157E-04	-1.924E-01	4.864E-04	-5.014E-05	0.000E+00
421	2	8.684E-03	-1.157E-04	-1.925E-01	4.867E-04	-5.014E-05	0.000E+00
422	1	8.458E-03	3.953E-05	-1.899E-01	4.390E-04	3.100E-05	0.000E+00
422	2	8.684E-03	-3.953E-05	-1.899E-01	4.393E-04	3.100E-05	0.000E+00
423	1	8.458E-03	-3.669E-05	-1.975E-01	4.890E-04	1.116E-04	0.000E+00
423	2	8.684E-03	3.669E-05	-1.975E-01	4.893E-04	1.116E-04	0.000E+00
424	1	8.458E-03	-6.334E-05	-2.003E-01	4.917E-04	7.812E-05	0.000E+00
424	2	8.684E-03	6.334E-05	-2.003E-01	4.920E-04	7.813E-05	0.000E+00
425	1	8.571E-03	1.424E-04	-1.584E-01	-1.481E-07	-4.858E-05	0.000E+00
425	2	8.571E-03	-1.424E-04	-1.584E-01	1.481E-07	-4.858E-05	0.000E+00
426	1	8.571E-03	1.157E-04	-1.571E-01	-1.476E-07	-4.230E-05	0.000E+00
426	2	8.571E-03	-1.157E-04	-1.571E-01	1.476E-07	-4.230E-05	0.000E+00
427	1	8.571E-03	3.953E-05	-1.537E-01	-1.401E-07	2.819E-05	0.000E+00
427	2	8.571E-03	-3.953E-05	-1.537E-01	1.401E-07	2.819E-05	0.000E+00
428	1	8.571E-03	-3.669E-05	-1.619E-01	-1.483E-07	1.025E-04	0.000E+00
428	2	8.571E-03	3.669E-05	-1.619E-01	1.483E-07	1.025E-04	0.000E+00
429	1	8.571E-03	-6.334E-05	-1.650E-01	-1.490E-07	1.090E-04	0.000E+00
429	2	8.571E-03	6.334E-05	-1.650E-01	1.490E-07	1.090E-04	0.000E+00
430	1	8.684E-03	1.424E-04	-1.935E-01	-4.892E-04	-1.694E-05	0.000E+00
430	2	8.458E-03	-1.424E-04	-1.935E-01	-4.889E-04	-1.694E-05	0.000E+00
431	1	8.684E-03	1.157E-04	-1.925E-01	-4.867E-04	-5.014E-05	0.000E+00
431	2	8.458E-03	-1.157E-04	-1.924E-01	-4.864E-04	-5.014E-05	0.000E+00
432	1	8.684E-03	3.953E-05	-1.899E-01	-4.393E-04	3.100E-05	0.000E+00
432	2	8.458E-03	-3.953E-05	-1.899E-01	-4.390E-04	3.100E-05	0.000E+00
433	1	8.684E-03	-3.669E-05	-1.975E-01	-4.893E-04	1.116E-04	0.000E+00
433	2	8.458E-03	3.669E-05	-1.975E-01	-4.890E-04	1.116E-04	0.000E+00
434	1	8.684E-03	-6.334E-05	-2.003E-01	-4.920E-04	7.813E-05	0.000E+00
434	2	8.458E-03	6.334E-05	-2.003E-01	-4.917E-04	7.812E-05	0.000E+00
435	1	8.713E-03	1.424E-04	-2.108E-01	-5.644E-04	-4.559E-05	0.000E+00
435	2	8.429E-03	-1.424E-04	-2.108E-01	-5.641E-04	-4.559E-05	0.000E+00
436	1	8.713E-03	1.157E-04	-2.094E-01	-5.504E-04	-6.986E-05	0.000E+00
436	2	8.429E-03	-1.157E-04	-2.094E-01	-5.500E-04	-6.986E-05	0.000E+00
437	1	8.713E-03	3.953E-05	-2.053E-01	-5.141E-04	3.148E-05	0.000E+00
437	2	8.429E-03	-3.953E-05	-2.053E-01	-5.138E-04	3.148E-05	0.000E+00
438	1	8.713E-03	-3.669E-05	-2.146E-01	-5.530E-04	1.322E-04	0.000E+00
438	2	8.429E-03	3.669E-05	-2.145E-01	-5.527E-04	1.322E-04	0.000E+00
439	1	8.713E-03	-6.334E-05	-2.177E-01	-5.675E-04	1.075E-04	0.000E+00
439	2	8.429E-03	6.334E-05	-2.177E-01	-5.672E-04	1.075E-04	0.000E+00
440	1	8.743E-03	1.424E-04	-2.283E-01	-5.479E-04	-5.684E-05	0.000E+00
440	2	8.399E-03	-1.424E-04	-2.282E-01	-5.476E-04	-5.684E-05	0.000E+00
441	1	8.743E-03	1.157E-04	-2.265E-01	-5.391E-04	-7.348E-05	0.000E+00
441	2	8.399E-03	-1.157E-04	-2.264E-01	-5.387E-04	-7.348E-05	0.000E+00
442	1	8.743E-03	3.953E-05	-2.220E-01	-5.273E-04	3.195E-05	0.000E+00
442	2	8.399E-03	-3.953E-05	-2.219E-01	-5.269E-04	3.195E-05	0.000E+00
443	1	8.743E-03	-3.669E-05	-2.317E-01	-5.413E-04	1.365E-04	0.000E+00
443	2	8.399E-03	3.669E-05	-2.316E-01	-5.410E-04	1.365E-04	0.000E+00
444	1	8.743E-03	-6.334E-05	-2.353E-01	-5.504E-04	1.192E-04	0.000E+00
444	2	8.399E-03	6.334E-05	-2.352E-01	-5.501E-04	1.192E-04	0.000E+00
445	1	2.986E-01	4.967E-01	9.119E-02	-1.244E-03	-1.271E-04	0.000E+00
445	2	-2.988E-01	-4.941E-01	-5.562E-01	2.306E-03	-5.409E-05	0.000E+00
446	1	2.989E-01	5.436E-01	9.499E-02	-1.254E-03	-1.445E-04	0.000E+00
446	2	-2.993E-01	-5.410E-01	-5.545E-01	2.298E-03	-6.715E-05	0.000E+00
447	1	3.027E-01	6.764E-01	1.033E-01	-1.270E-03	-3.142E-07	0.000E+00

447	2	-3.027E-01	-6.752E-01	-5.488E-01	2.295E-03	-5.552E-08	0.000E+00
448	1	3.066E-01	8.122E-01	9.503E-02	-1.255E-03	1.448E-04	0.000E+00
448	2	-3.060E-01	-8.095E-01	-5.545E-01	2.298E-03	6.649E-05	0.000E+00
449	1	3.069E-01	8.592E-01	9.121E-02	-1.245E-03	1.276E-04	0.000E+00
449	2	-3.066E-01	-8.566E-01	-5.562E-01	2.306E-03	5.354E-05	0.000E+00
450	1	2.469E-01	4.969E-01	5.231E-02	-1.216E-03	-1.100E-04	0.000E+00
450	2	-2.471E-01	-4.947E-01	-4.835E-01	2.314E-03	-4.717E-05	0.000E+00
451	1	2.464E-01	5.436E-01	5.555E-02	-1.245E-03	-1.447E-04	0.000E+00
451	2	-2.465E-01	-5.408E-01	-4.821E-01	2.308E-03	-6.012E-05	0.000E+00
452	1	2.508E-01	6.759E-01	6.334E-02	-1.279E-03	-1.097E-07	0.000E+00
452	2	-2.508E-01	-6.749E-01	-4.765E-01	2.285E-03	-4.112E-08	0.000E+00
453	1	2.552E-01	8.122E-01	5.556E-02	-1.246E-03	1.453E-04	0.000E+00
453	2	-2.550E-01	-8.093E-01	-4.820E-01	2.307E-03	5.937E-05	0.000E+00
454	1	2.547E-01	8.595E-01	5.231E-02	-1.217E-03	1.104E-04	0.000E+00
454	2	-2.544E-01	-8.571E-01	-4.834E-01	2.313E-03	4.670E-05	0.000E+00
455	1	1.970E-01	4.966E-01	1.383E-02	-1.280E-03	-6.956E-05	0.000E+00
455	2	-1.972E-01	-4.948E-01	-4.111E-01	2.245E-03	-2.883E-05	0.000E+00
456	1	1.972E-01	5.428E-01	1.641E-02	-1.289E-03	-1.026E-04	0.000E+00
456	2	-1.973E-01	-5.410E-01	-4.097E-01	2.249E-03	-6.242E-05	0.000E+00
457	1	1.989E-01	6.757E-01	2.246E-02	-1.347E-03	-4.299E-08	0.000E+00
457	2	-1.989E-01	-6.746E-01	-4.054E-01	2.210E-03	6.395E-08	0.000E+00
458	1	2.006E-01	8.114E-01	1.641E-02	-1.289E-03	1.029E-04	0.000E+00
458	2	-2.004E-01	-8.096E-01	-4.097E-01	2.249E-03	6.220E-05	0.000E+00
459	1	2.009E-01	8.591E-01	1.382E-02	-1.280E-03	6.985E-05	0.000E+00
459	2	-2.006E-01	-8.572E-01	-4.111E-01	2.245E-03	2.858E-05	0.000E+00
460	1	-2.300E-05	4.949E-01	-1.638E-01	-1.758E-03	-8.098E-05	0.000E+00
460	2	-2.192E-05	-4.949E-01	-1.638E-01	1.758E-03	-8.094E-05	0.000E+00
461	1	3.936E-06	5.415E-01	-1.616E-01	-1.764E-03	-7.410E-05	0.000E+00
461	2	4.285E-06	-5.415E-01	-1.616E-01	1.764E-03	-7.407E-05	0.000E+00
462	1	1.638E-05	6.746E-01	-1.557E-01	-1.769E-03	5.296E-08	0.000E+00
462	2	1.638E-05	-6.746E-01	-1.557E-01	1.769E-03	5.296E-08	0.000E+00
463	1	3.017E-05	8.101E-01	-1.616E-01	-1.764E-03	7.420E-05	0.000E+00
463	2	2.983E-05	-8.101E-01	-1.616E-01	1.764E-03	7.416E-05	0.000E+00
464	1	5.805E-05	8.574E-01	-1.638E-01	-1.758E-03	8.108E-05	0.000E+00
464	2	5.698E-05	-8.574E-01	-1.638E-01	1.758E-03	8.104E-05	0.000E+00
465	1	-1.972E-01	4.947E-01	-4.111E-01	-2.245E-03	-2.886E-05	0.000E+00
465	2	1.970E-01	-4.966E-01	1.382E-02	1.279E-03	-6.952E-05	0.000E+00
466	1	-1.973E-01	5.410E-01	-4.097E-01	-2.249E-03	-6.245E-05	0.000E+00
466	2	1.972E-01	-5.427E-01	1.639E-02	1.288E-03	-1.026E-04	0.000E+00
467	1	-1.989E-01	6.746E-01	-4.054E-01	-2.209E-03	6.334E-08	0.000E+00
467	2	1.989E-01	-6.757E-01	2.245E-02	1.346E-03	-4.238E-08	0.000E+00
468	1	-2.004E-01	8.095E-01	-4.097E-01	-2.249E-03	6.222E-05	0.000E+00
468	2	2.006E-01	-8.114E-01	1.639E-02	1.289E-03	1.029E-04	0.000E+00
469	1	-2.005E-01	8.572E-01	-4.111E-01	-2.245E-03	2.862E-05	0.000E+00
469	2	2.009E-01	-8.591E-01	1.381E-02	1.279E-03	6.982E-05	0.000E+00
470	1	-2.471E-01	4.946E-01	-4.834E-01	-2.313E-03	-4.721E-05	0.000E+00
470	2	2.469E-01	-4.969E-01	5.228E-02	1.215E-03	-1.099E-04	0.000E+00
471	1	-2.465E-01	5.407E-01	-4.820E-01	-2.307E-03	-6.014E-05	0.000E+00
471	2	2.464E-01	-5.436E-01	5.552E-02	1.245E-03	-1.446E-04	0.000E+00
472	1	-2.508E-01	6.748E-01	-4.765E-01	-2.284E-03	-4.284E-08	0.000E+00
472	2	2.508E-01	-6.759E-01	6.331E-02	1.279E-03	-1.080E-07	0.000E+00
473	1	-2.550E-01	8.093E-01	-4.820E-01	-2.307E-03	5.939E-05	0.000E+00
473	2	2.552E-01	-8.122E-01	5.553E-02	1.246E-03	1.453E-04	0.000E+00
474	1	-2.544E-01	8.571E-01	-4.834E-01	-2.313E-03	4.673E-05	0.000E+00
474	2	2.547E-01	-8.594E-01	5.228E-02	1.216E-03	1.104E-04	0.000E+00
475	1	-2.988E-01	4.941E-01	-5.562E-01	-2.305E-03	-5.414E-05	0.000E+00
475	2	2.986E-01	-4.967E-01	9.114E-02	1.244E-03	-1.270E-04	0.000E+00
476	1	-2.993E-01	5.409E-01	-5.545E-01	-2.297E-03	-6.715E-05	0.000E+00
476	2	2.989E-01	-5.436E-01	9.494E-02	1.254E-03	-1.445E-04	0.000E+00
477	1	-3.027E-01	6.752E-01	-5.488E-01	-2.295E-03	-5.865E-08	0.000E+00
477	2	3.027E-01	-6.764E-01	1.033E-01	1.269E-03	-3.111E-07	0.000E+00
478	1	-3.060E-01	8.095E-01	-5.545E-01	-2.297E-03	6.649E-05	0.000E+00

478	2	3.066E-01	-8.122E-01	9.498E-02	1.254E-03	1.448E-04	0.000E+00
479	1	-3.065E-01	8.566E-01	-5.561E-01	-2.305E-03	5.359E-05	0.000E+00
479	2	3.069E-01	-8.592E-01	9.116E-02	1.245E-03	1.275E-04	0.000E+00
480	1	-9.371E-03	9.727E-05	-2.379E-01	5.501E-04	-1.203E-04	0.000E+00
480	2	-9.208E-03	-9.727E-05	-2.379E-01	5.505E-04	-1.203E-04	0.000E+00
481	1	-9.371E-03	8.467E-05	-2.343E-01	5.410E-04	-1.376E-04	0.000E+00
481	2	-9.208E-03	-8.467E-05	-2.343E-01	5.414E-04	-1.376E-04	0.000E+00
482	1	-9.371E-03	4.864E-05	-2.244E-01	5.269E-04	-3.304E-05	0.000E+00
482	2	-9.208E-03	-4.864E-05	-2.245E-01	5.273E-04	-3.304E-05	0.000E+00
483	1	-9.371E-03	1.260E-05	-2.289E-01	5.387E-04	7.239E-05	0.000E+00
483	2	-9.208E-03	-1.260E-05	-2.290E-01	5.391E-04	7.239E-05	0.000E+00
484	1	-9.371E-03	2.740E-10	-2.307E-01	5.475E-04	5.574E-05	0.000E+00
484	2	-9.208E-03	2.838E-10	-2.307E-01	5.479E-04	5.575E-05	0.000E+00
485	1	-9.357E-03	9.727E-05	-2.203E-01	5.672E-04	-1.086E-04	0.000E+00
485	2	-9.222E-03	-9.727E-05	-2.204E-01	5.676E-04	-1.086E-04	0.000E+00
486	1	-9.357E-03	8.467E-05	-2.171E-01	5.526E-04	-1.333E-04	0.000E+00
486	2	-9.222E-03	-8.467E-05	-2.172E-01	5.530E-04	-1.333E-04	0.000E+00
487	1	-9.357E-03	4.864E-05	-2.078E-01	5.138E-04	-3.257E-05	0.000E+00
487	2	-9.222E-03	-4.864E-05	-2.079E-01	5.141E-04	-3.257E-05	0.000E+00
488	1	-9.357E-03	1.260E-05	-2.118E-01	5.500E-04	6.876E-05	0.000E+00
488	2	-9.222E-03	-1.260E-05	-2.119E-01	5.504E-04	6.877E-05	0.000E+00
489	1	-9.357E-03	2.740E-10	-2.132E-01	5.641E-04	4.450E-05	0.000E+00
489	2	-9.222E-03	2.838E-10	-2.132E-01	5.644E-04	4.450E-05	0.000E+00
490	1	-9.343E-03	9.727E-05	-2.029E-01	4.917E-04	-7.922E-05	0.000E+00
490	2	-9.236E-03	-9.727E-05	-2.030E-01	4.920E-04	-7.922E-05	0.000E+00
491	1	-9.343E-03	8.467E-05	-2.001E-01	4.890E-04	-1.127E-04	0.000E+00
491	2	-9.236E-03	-8.467E-05	-2.001E-01	4.893E-04	-1.127E-04	0.000E+00
492	1	-9.343E-03	4.864E-05	-1.924E-01	4.390E-04	-3.209E-05	0.000E+00
492	2	-9.236E-03	-4.864E-05	-1.924E-01	4.393E-04	-3.209E-05	0.000E+00
493	1	-9.343E-03	1.260E-05	-1.949E-01	4.864E-04	4.904E-05	0.000E+00
493	2	-9.236E-03	-1.260E-05	-1.949E-01	4.867E-04	4.905E-05	0.000E+00
494	1	-9.343E-03	2.740E-10	-1.959E-01	4.888E-04	1.585E-05	0.000E+00
494	2	-9.236E-03	2.838E-10	-1.960E-01	4.892E-04	1.585E-05	0.000E+00
495	1	-9.289E-03	9.727E-05	-1.676E-01	-1.743E-07	-1.101E-04	0.000E+00
495	2	-9.289E-03	-9.727E-05	-1.676E-01	1.743E-07	-1.101E-04	0.000E+00
496	1	-9.289E-03	8.467E-05	-1.646E-01	-1.737E-07	-1.036E-04	0.000E+00
496	2	-9.289E-03	-8.467E-05	-1.646E-01	1.737E-07	-1.036E-04	0.000E+00
497	1	-9.289E-03	4.864E-05	-1.563E-01	-1.649E-07	-2.928E-05	0.000E+00
497	2	-9.289E-03	-4.864E-05	-1.563E-01	1.649E-07	-2.928E-05	0.000E+00
498	1	-9.289E-03	1.260E-05	-1.595E-01	-1.739E-07	4.121E-05	0.000E+00
498	2	-9.289E-03	-1.260E-05	-1.595E-01	1.739E-07	4.121E-05	0.000E+00
499	1	-9.289E-03	2.740E-10	-1.608E-01	-1.746E-07	4.749E-05	0.000E+00
499	2	-9.289E-03	2.838E-10	-1.608E-01	1.746E-07	4.749E-05	0.000E+00
500	1	-9.236E-03	9.727E-05	-2.030E-01	-4.920E-04	-7.922E-05	0.000E+00
500	2	-9.343E-03	-9.727E-05	-2.029E-01	-4.917E-04	-7.922E-05	0.000E+00
501	1	-9.236E-03	8.467E-05	-2.001E-01	-4.893E-04	-1.127E-04	0.000E+00
501	2	-9.343E-03	-8.467E-05	-2.001E-01	-4.890E-04	-1.127E-04	0.000E+00
502	1	-9.236E-03	4.864E-05	-1.924E-01	-4.393E-04	-3.209E-05	0.000E+00
502	2	-9.343E-03	-4.864E-05	-1.924E-01	-4.390E-04	-3.209E-05	0.000E+00
503	1	-9.236E-03	1.260E-05	-1.949E-01	-4.867E-04	4.905E-05	0.000E+00
503	2	-9.343E-03	-1.260E-05	-1.949E-01	-4.864E-04	4.904E-05	0.000E+00
504	1	-9.236E-03	2.740E-10	-1.960E-01	-4.892E-04	1.585E-05	0.000E+00
504	2	-9.343E-03	2.838E-10	-1.959E-01	-4.888E-04	1.585E-05	0.000E+00
505	1	-9.222E-03	9.727E-05	-2.204E-01	-5.676E-04	-1.086E-04	0.000E+00
505	2	-9.357E-03	-9.727E-05	-2.203E-01	-5.672E-04	-1.086E-04	0.000E+00
506	1	-9.222E-03	8.467E-05	-2.172E-01	-5.530E-04	-1.333E-04	0.000E+00
506	2	-9.357E-03	-8.467E-05	-2.171E-01	-5.526E-04	-1.333E-04	0.000E+00
507	1	-9.222E-03	4.864E-05	-2.079E-01	-5.141E-04	-3.257E-05	0.000E+00
507	2	-9.357E-03	-4.864E-05	-2.078E-01	-5.138E-04	-3.257E-05	0.000E+00
508	1	-9.222E-03	1.260E-05	-2.119E-01	-5.504E-04	6.877E-05	0.000E+00
508	2	-9.357E-03	-1.260E-05	-2.118E-01	-5.500E-04	6.876E-05	0.000E+00
509	1	-9.222E-03	2.740E-10	-2.132E-01	-5.644E-04	4.450E-05	0.000E+00

509	2	-9.357E-03	2.838E-10	-2.132E-01	-5.641E-04	4.450E-05	0.000E+00
510	1	-9.208E-03	9.727E-05	-2.379E-01	-5.505E-04	-1.203E-04	0.000E+00
510	2	-9.371E-03	-9.727E-05	-2.379E-01	-5.501E-04	-1.203E-04	0.000E+00
511	1	-9.208E-03	8.467E-05	-2.343E-01	-5.414E-04	-1.376E-04	0.000E+00
511	2	-9.371E-03	-8.467E-05	-2.343E-01	-5.410E-04	-1.376E-04	0.000E+00
512	1	-9.208E-03	4.864E-05	-2.245E-01	-5.273E-04	-3.304E-05	0.000E+00
512	2	-9.371E-03	-4.864E-05	-2.244E-01	-5.269E-04	-3.304E-05	0.000E+00
513	1	-9.208E-03	1.260E-05	-2.290E-01	-5.391E-04	7.239E-05	0.000E+00
513	2	-9.371E-03	-1.260E-05	-2.289E-01	-5.387E-04	7.239E-05	0.000E+00
514	1	-9.208E-03	2.740E-10	-2.307E-01	-5.479E-04	5.575E-05	0.000E+00
514	2	-9.371E-03	2.838E-10	-2.307E-01	-5.475E-04	5.574E-05	0.000E+00
515	1	-1.578E-01	8.241E-01	1.093E-01	-1.343E-03	-1.260E-04	0.000E+00
515	2	1.576E-01	-8.215E-01	-5.720E-01	2.392E-03	-5.299E-05	0.000E+00
516	1	-1.575E-01	8.002E-01	1.131E-01	-1.353E-03	-1.432E-04	0.000E+00
516	2	1.571E-01	-7.976E-01	-5.704E-01	2.384E-03	-6.585E-05	0.000E+00
517	1	-1.536E-01	7.305E-01	1.213E-01	-1.368E-03	-3.100E-07	0.000E+00
517	2	1.537E-01	-7.293E-01	-5.647E-01	2.381E-03	-5.130E-08	0.000E+00
518	1	-1.498E-01	6.639E-01	1.131E-01	-1.354E-03	1.435E-04	0.000E+00
518	2	1.503E-01	-6.612E-01	-5.704E-01	2.383E-03	6.520E-05	0.000E+00
519	1	-1.495E-01	6.401E-01	1.093E-01	-1.344E-03	1.265E-04	0.000E+00
519	2	1.498E-01	-6.375E-01	-5.720E-01	2.391E-03	5.244E-05	0.000E+00
520	1	-1.312E-01	8.243E-01	6.729E-02	-1.315E-03	-1.090E-04	0.000E+00
520	2	1.309E-01	-8.220E-01	-4.966E-01	2.399E-03	-4.622E-05	0.000E+00
521	1	-1.317E-01	8.002E-01	7.050E-02	-1.344E-03	-1.434E-04	0.000E+00
521	2	1.316E-01	-7.973E-01	-4.952E-01	2.393E-03	-5.887E-05	0.000E+00
522	1	-1.273E-01	7.300E-01	7.821E-02	-1.378E-03	-1.069E-07	0.000E+00
522	2	1.273E-01	-7.290E-01	-4.897E-01	2.371E-03	-3.826E-08	0.000E+00
523	1	-1.229E-01	6.638E-01	7.052E-02	-1.345E-03	1.441E-04	0.000E+00
523	2	1.231E-01	-6.610E-01	-4.952E-01	2.393E-03	5.812E-05	0.000E+00
524	1	-1.234E-01	6.403E-01	6.729E-02	-1.316E-03	1.095E-04	0.000E+00
524	2	1.237E-01	-6.380E-01	-4.965E-01	2.399E-03	4.575E-05	0.000E+00
525	1	-1.029E-01	8.239E-01	2.570E-02	-1.378E-03	-6.897E-05	0.000E+00
525	2	1.027E-01	-8.221E-01	-4.215E-01	2.332E-03	-2.824E-05	0.000E+00
526	1	-1.027E-01	7.993E-01	2.826E-02	-1.387E-03	-1.016E-04	0.000E+00
526	2	1.025E-01	-7.976E-01	-4.202E-01	2.336E-03	-6.142E-05	0.000E+00
527	1	-1.009E-01	7.298E-01	3.424E-02	-1.444E-03	-4.120E-08	0.000E+00
527	2	1.010E-01	-7.287E-01	-4.159E-01	2.297E-03	6.574E-08	0.000E+00
528	1	-9.923E-02	6.630E-01	2.825E-02	-1.387E-03	1.019E-04	0.000E+00
528	2	9.941E-02	-6.612E-01	-4.202E-01	2.335E-03	6.120E-05	0.000E+00
529	1	-9.900E-02	6.399E-01	2.569E-02	-1.378E-03	6.927E-05	0.000E+00
529	2	9.928E-02	-6.381E-01	-4.215E-01	2.331E-03	2.800E-05	0.000E+00
530	1	-2.172E-05	8.223E-01	-1.635E-01	-1.851E-03	-8.003E-05	0.000E+00
530	2	-2.065E-05	-8.223E-01	-1.635E-01	1.851E-03	-7.998E-05	0.000E+00
531	1	4.888E-06	7.981E-01	-1.613E-01	-1.856E-03	-7.323E-05	0.000E+00
531	2	5.237E-06	-7.981E-01	-1.613E-01	1.856E-03	-7.320E-05	0.000E+00
532	1	1.718E-05	7.287E-01	-1.555E-01	-1.861E-03	5.416E-08	0.000E+00
532	2	1.718E-05	-7.287E-01	-1.555E-01	1.861E-03	5.416E-08	0.000E+00
533	1	3.081E-05	6.617E-01	-1.613E-01	-1.856E-03	7.333E-05	0.000E+00
533	2	3.046E-05	-6.617E-01	-1.613E-01	1.856E-03	7.329E-05	0.000E+00
534	1	5.834E-05	6.383E-01	-1.635E-01	-1.851E-03	8.013E-05	0.000E+00
534	2	5.728E-05	-6.383E-01	-1.635E-01	1.851E-03	8.009E-05	0.000E+00
535	1	1.027E-01	8.221E-01	-4.215E-01	-2.331E-03	-2.828E-05	0.000E+00
535	2	-1.029E-01	-8.239E-01	2.569E-02	1.377E-03	-6.894E-05	0.000E+00
536	1	1.026E-01	7.976E-01	-4.202E-01	-2.335E-03	-6.145E-05	0.000E+00
536	2	-1.026E-01	-7.993E-01	2.824E-02	1.386E-03	-1.016E-04	0.000E+00
537	1	1.010E-01	7.287E-01	-4.159E-01	-2.296E-03	6.513E-08	0.000E+00
537	2	-1.009E-01	-7.297E-01	3.423E-02	1.444E-03	-4.059E-08	0.000E+00
538	1	9.943E-02	6.612E-01	-4.202E-01	-2.335E-03	6.123E-05	0.000E+00
538	2	-9.921E-02	-6.630E-01	2.824E-02	1.387E-03	1.019E-04	0.000E+00
539	1	9.930E-02	6.381E-01	-4.215E-01	-2.331E-03	2.803E-05	0.000E+00
539	2	-9.898E-02	-6.399E-01	2.568E-02	1.378E-03	6.924E-05	0.000E+00
540	1	1.310E-01	8.220E-01	-4.965E-01	-2.399E-03	-4.626E-05	0.000E+00

540	2	-1.312E-01	-8.242E-01	6.726E-02	1.314E-03	-1.090E-04	0.000E+00
541	1	1.316E-01	7.973E-01	-4.952E-01	-2.393E-03	-5.889E-05	0.000E+00
541	2	-1.317E-01	-8.001E-01	7.047E-02	1.344E-03	-1.434E-04	0.000E+00
542	1	1.274E-01	7.290E-01	-4.897E-01	-2.370E-03	-3.998E-08	0.000E+00
542	2	-1.273E-01	-7.300E-01	7.818E-02	1.377E-03	-1.051E-07	0.000E+00
543	1	1.231E-01	6.609E-01	-4.951E-01	-2.392E-03	5.814E-05	0.000E+00
543	2	-1.228E-01	-6.638E-01	7.049E-02	1.344E-03	1.441E-04	0.000E+00
544	1	1.237E-01	6.379E-01	-4.965E-01	-2.398E-03	4.579E-05	0.000E+00
544	2	-1.233E-01	-6.403E-01	6.726E-02	1.315E-03	1.095E-04	0.000E+00
545	1	1.576E-01	8.215E-01	-5.720E-01	-2.391E-03	-5.304E-05	0.000E+00
545	2	-1.577E-01	-8.240E-01	1.092E-01	1.343E-03	-1.259E-04	0.000E+00
546	1	1.571E-01	7.975E-01	-5.703E-01	-2.383E-03	-6.585E-05	0.000E+00
546	2	-1.574E-01	-8.001E-01	1.130E-01	1.352E-03	-1.432E-04	0.000E+00
547	1	1.537E-01	7.293E-01	-5.647E-01	-2.381E-03	-5.443E-08	0.000E+00
547	2	-1.536E-01	-7.305E-01	1.212E-01	1.368E-03	-3.069E-07	0.000E+00
548	1	1.503E-01	6.611E-01	-5.703E-01	-2.383E-03	6.520E-05	0.000E+00
548	2	-1.498E-01	-6.638E-01	1.130E-01	1.353E-03	1.435E-04	0.000E+00
549	1	1.498E-01	6.374E-01	-5.719E-01	-2.391E-03	5.249E-05	0.000E+00
549	2	-1.495E-01	-6.400E-01	1.093E-01	1.343E-03	1.264E-04	0.000E+00
550	1	-6.631E-05	7.942E-05	-2.258E-01	5.454E-04	-8.748E-05	0.000E+00
550	2	6.631E-05	-7.942E-05	-2.259E-01	5.458E-04	-8.749E-05	0.000E+00
551	1	-6.631E-05	6.913E-05	-2.232E-01	5.365E-04	-1.043E-04	0.000E+00
551	2	6.631E-05	-6.913E-05	-2.232E-01	5.369E-04	-1.043E-04	0.000E+00
552	1	-6.631E-05	3.971E-05	-2.161E-01	5.237E-04	-2.150E-10	0.000E+00
552	2	6.631E-05	-3.971E-05	-2.161E-01	5.240E-04	2.150E-10	0.000E+00
553	1	-6.631E-05	1.029E-05	-2.232E-01	5.365E-04	1.043E-04	0.000E+00
553	2	6.631E-05	-1.029E-05	-2.232E-01	5.369E-04	1.043E-04	0.000E+00
554	1	-6.631E-05	-1.028E-11	-2.258E-01	5.454E-04	8.748E-05	0.000E+00
554	2	6.631E-05	7.762E-12	-2.259E-01	5.458E-04	8.749E-05	0.000E+00
555	1	-5.494E-05	7.942E-05	-2.084E-01	5.621E-04	-7.609E-05	0.000E+00
555	2	5.494E-05	-7.942E-05	-2.085E-01	5.625E-04	-7.610E-05	0.000E+00
556	1	-5.494E-05	6.913E-05	-2.062E-01	5.479E-04	-1.004E-04	0.000E+00
556	2	5.494E-05	-6.913E-05	-2.062E-01	5.483E-04	-1.004E-04	0.000E+00
557	1	-5.494E-05	3.971E-05	-1.996E-01	5.106E-04	-1.778E-10	0.000E+00
557	2	5.494E-05	-3.971E-05	-1.996E-01	5.110E-04	1.778E-10	0.000E+00
558	1	-5.494E-05	1.029E-05	-2.062E-01	5.479E-04	1.004E-04	0.000E+00
558	2	5.494E-05	-1.029E-05	-2.062E-01	5.483E-04	1.004E-04	0.000E+00
559	1	-5.494E-05	-1.028E-11	-2.084E-01	5.621E-04	7.609E-05	0.000E+00
559	2	5.494E-05	7.762E-12	-2.085E-01	5.625E-04	7.610E-05	0.000E+00
560	1	-4.357E-05	7.942E-05	-1.912E-01	4.872E-04	-4.725E-05	0.000E+00
560	2	4.357E-05	-7.942E-05	-1.913E-01	4.876E-04	-4.725E-05	0.000E+00
561	1	-4.357E-05	6.913E-05	-1.893E-01	4.847E-04	-8.039E-05	0.000E+00
561	2	4.357E-05	-6.913E-05	-1.893E-01	4.850E-04	-8.040E-05	0.000E+00
562	1	-4.357E-05	3.971E-05	-1.842E-01	4.363E-04	-1.378E-10	0.000E+00
562	2	4.357E-05	-3.971E-05	-1.843E-01	4.366E-04	1.378E-10	0.000E+00
563	1	-4.357E-05	1.029E-05	-1.893E-01	4.847E-04	8.039E-05	0.000E+00
563	2	4.357E-05	-1.029E-05	-1.893E-01	4.850E-04	8.040E-05	0.000E+00
564	1	-4.357E-05	-1.028E-11	-1.912E-01	4.872E-04	4.725E-05	0.000E+00
564	2	4.357E-05	7.762E-12	-1.913E-01	4.876E-04	4.725E-05	0.000E+00
565	1	-3.661E-13	7.942E-05	-1.562E-01	-1.632E-07	-7.834E-05	0.000E+00
565	2	-3.601E-13	-7.942E-05	-1.562E-01	1.632E-07	-7.834E-05	0.000E+00
566	1	-3.661E-13	6.913E-05	-1.541E-01	-1.625E-07	-7.196E-05	0.000E+00
566	2	-3.601E-13	-6.913E-05	-1.541E-01	1.625E-07	-7.196E-05	0.000E+00
567	1	-3.661E-13	3.971E-05	-1.483E-01	-1.533E-07	-1.305E-15	0.000E+00
567	2	-3.601E-13	-3.971E-05	-1.483E-01	1.533E-07	-1.283E-15	0.000E+00
568	1	-3.661E-13	1.029E-05	-1.541E-01	-1.627E-07	7.196E-05	0.000E+00
568	2	-3.601E-13	-1.029E-05	-1.541E-01	1.627E-07	7.196E-05	0.000E+00
569	1	-3.661E-13	-1.028E-11	-1.562E-01	-1.634E-07	7.834E-05	0.000E+00
569	2	-3.601E-13	7.762E-12	-1.562E-01	1.634E-07	7.834E-05	0.000E+00
570	1	4.357E-05	7.942E-05	-1.913E-01	-4.876E-04	-4.725E-05	0.000E+00
570	2	-4.357E-05	-7.942E-05	-1.912E-01	-4.872E-04	-4.725E-05	0.000E+00
571	1	4.357E-05	6.913E-05	-1.893E-01	-4.850E-04	-8.040E-05	0.000E+00

571	2	-4.357E-05	-6.913E-05	-1.893E-01	-4.847E-04	-8.039E-05	0.000E+00
572	1	4.357E-05	3.971E-05	-1.843E-01	-4.366E-04	1.378E-10	0.000E+00
572	2	-4.357E-05	-3.971E-05	-1.842E-01	-4.363E-04	-1.378E-10	0.000E+00
573	1	4.357E-05	1.029E-05	-1.893E-01	-4.850E-04	8.040E-05	0.000E+00
573	2	-4.357E-05	-1.029E-05	-1.893E-01	-4.847E-04	8.039E-05	0.000E+00
574	1	4.357E-05	-1.028E-11	-1.913E-01	-4.876E-04	4.725E-05	0.000E+00
574	2	-4.357E-05	7.762E-12	-1.912E-01	-4.872E-04	4.725E-05	0.000E+00
575	1	5.494E-05	7.942E-05	-2.085E-01	-5.625E-04	-7.610E-05	0.000E+00
575	2	-5.494E-05	-7.942E-05	-2.084E-01	-5.621E-04	-7.609E-05	0.000E+00
576	1	5.494E-05	6.913E-05	-2.062E-01	-5.483E-04	-1.004E-04	0.000E+00
576	2	-5.494E-05	-6.913E-05	-2.062E-01	-5.479E-04	-1.004E-04	0.000E+00
577	1	5.494E-05	3.971E-05	-1.996E-01	-5.110E-04	1.778E-10	0.000E+00
577	2	-5.494E-05	-3.971E-05	-1.996E-01	-5.106E-04	-1.778E-10	0.000E+00
578	1	5.494E-05	1.029E-05	-2.062E-01	-5.483E-04	1.004E-04	0.000E+00
578	2	-5.494E-05	-1.029E-05	-2.062E-01	-5.479E-04	1.004E-04	0.000E+00
579	1	5.494E-05	-1.028E-11	-2.085E-01	-5.625E-04	7.610E-05	0.000E+00
579	2	-5.494E-05	7.762E-12	-2.084E-01	-5.621E-04	7.609E-05	0.000E+00
580	1	6.631E-05	7.942E-05	-2.259E-01	-5.458E-04	-8.749E-05	0.000E+00
580	2	-6.631E-05	-7.942E-05	-2.258E-01	-5.454E-04	-8.748E-05	0.000E+00
581	1	6.631E-05	6.913E-05	-2.232E-01	-5.369E-04	-1.043E-04	0.000E+00
581	2	-6.631E-05	-6.913E-05	-2.232E-01	-5.365E-04	-1.043E-04	0.000E+00
582	1	6.631E-05	3.971E-05	-2.161E-01	-5.240E-04	2.150E-10	0.000E+00
582	2	-6.631E-05	-3.971E-05	-2.161E-01	-5.237E-04	-2.150E-10	0.000E+00
583	1	6.631E-05	1.029E-05	-2.232E-01	-5.369E-04	1.043E-04	0.000E+00
583	2	-6.631E-05	-1.029E-05	-2.232E-01	-5.365E-04	1.043E-04	0.000E+00
584	1	6.631E-05	-1.028E-11	-2.259E-01	-5.458E-04	8.749E-05	0.000E+00
584	2	-6.631E-05	7.762E-12	-2.258E-01	-5.454E-04	8.748E-05	0.000E+00
585	1	1.481E+00	-1.001E-01	1.251E-01	-1.438E-03	-1.260E-04	0.000E+00
585	2	-1.481E+00	1.027E-01	-5.909E-01	2.486E-03	-5.299E-05	0.000E+00
586	1	1.481E+00	1.302E-01	1.289E-01	-1.447E-03	-1.432E-04	0.000E+00
586	2	-1.481E+00	-1.276E-01	-5.893E-01	2.478E-03	-6.585E-05	0.000E+00
587	1	1.485E+00	7.874E-01	1.371E-01	-1.463E-03	-3.088E-07	0.000E+00
587	2	-1.485E+00	-7.862E-01	-5.836E-01	2.476E-03	-5.009E-08	0.000E+00
588	1	1.489E+00	1.448E+00	1.289E-01	-1.448E-03	1.435E-04	0.000E+00
588	2	-1.488E+00	-1.445E+00	-5.892E-01	2.478E-03	6.520E-05	0.000E+00
589	1	1.489E+00	1.678E+00	1.252E-01	-1.438E-03	1.265E-04	0.000E+00
589	2	-1.489E+00	-1.675E+00	-5.909E-01	2.486E-03	5.244E-05	0.000E+00
590	1	1.226E+00	-9.990E-02	8.016E-02	-1.409E-03	-1.090E-04	0.000E+00
590	2	-1.227E+00	1.022E-01	-5.125E-01	2.494E-03	-4.622E-05	0.000E+00
591	1	1.226E+00	1.302E-01	8.337E-02	-1.439E-03	-1.434E-04	0.000E+00
591	2	-1.226E+00	-1.273E-01	-5.111E-01	2.488E-03	-5.887E-05	0.000E+00
592	1	1.230E+00	7.869E-01	9.108E-02	-1.472E-03	-1.056E-07	0.000E+00
592	2	-1.230E+00	-7.859E-01	-5.056E-01	2.465E-03	-3.705E-08	0.000E+00
593	1	1.235E+00	1.448E+00	8.338E-02	-1.440E-03	1.441E-04	0.000E+00
593	2	-1.234E+00	-1.445E+00	-5.111E-01	2.487E-03	5.812E-05	0.000E+00
594	1	1.234E+00	1.678E+00	8.016E-02	-1.410E-03	1.095E-04	0.000E+00
594	2	-1.234E+00	-1.676E+00	-5.124E-01	2.493E-03	4.575E-05	0.000E+00
595	1	9.736E-01	-1.003E-01	3.559E-02	-1.472E-03	-6.897E-05	0.000E+00
595	2	-9.738E-01	1.021E-01	-4.344E-01	2.426E-03	-2.824E-05	0.000E+00
596	1	9.739E-01	1.293E-01	3.814E-02	-1.481E-03	-1.016E-04	0.000E+00
596	2	-9.740E-01	-1.276E-01	-4.331E-01	2.430E-03	-6.142E-05	0.000E+00
597	1	9.756E-01	7.866E-01	4.413E-02	-1.539E-03	-3.998E-08	0.000E+00
597	2	-9.755E-01	-7.856E-01	-4.288E-01	2.391E-03	6.695E-08	0.000E+00
598	1	9.773E-01	1.447E+00	3.814E-02	-1.482E-03	1.019E-04	0.000E+00
598	2	-9.771E-01	-1.445E+00	-4.331E-01	2.430E-03	6.120E-05	0.000E+00
599	1	9.775E-01	1.678E+00	3.558E-02	-1.472E-03	6.927E-05	0.000E+00
599	2	-9.772E-01	-1.676E+00	-4.344E-01	2.426E-03	2.800E-05	0.000E+00
600	1	-2.090E-05	-1.019E-01	-1.650E-01	-1.945E-03	-8.003E-05	0.000E+00
600	2	-1.982E-05	1.019E-01	-1.650E-01	1.945E-03	-7.998E-05	0.000E+00
601	1	5.709E-06	1.281E-01	-1.629E-01	-1.951E-03	-7.323E-05	0.000E+00
601	2	6.058E-06	-1.281E-01	-1.629E-01	1.951E-03	-7.320E-05	0.000E+00
602	1	1.800E-05	7.855E-01	-1.570E-01	-1.956E-03	5.538E-08	0.000E+00

602	2	1.800E-05	-7.855E-01	-1.570E-01	1.956E-03	5.538E-08	0.000E+00
603	1	3.163E-05	1.445E+00	-1.629E-01	-1.951E-03	7.333E-05	0.000E+00
603	2	3.128E-05	-1.446E+00	-1.629E-01	1.951E-03	7.330E-05	0.000E+00
604	1	5.916E-05	1.676E+00	-1.651E-01	-1.945E-03	8.013E-05	0.000E+00
604	2	5.810E-05	-1.676E+00	-1.651E-01	1.945E-03	8.009E-05	0.000E+00
605	1	-9.738E-01	-1.021E-01	-4.344E-01	-2.426E-03	-2.828E-05	0.000E+00
605	2	9.736E-01	1.003E-01	3.558E-02	1.472E-03	-6.894E-05	0.000E+00
606	1	-9.740E-01	1.276E-01	-4.331E-01	-2.430E-03	-6.145E-05	0.000E+00
606	2	9.739E-01	-1.293E-01	3.813E-02	1.481E-03	-1.016E-04	0.000E+00
607	1	-9.755E-01	7.856E-01	-4.288E-01	-2.391E-03	6.634E-08	0.000E+00
607	2	9.756E-01	-7.866E-01	4.412E-02	1.539E-03	-3.938E-08	0.000E+00
608	1	-9.771E-01	1.445E+00	-4.331E-01	-2.430E-03	6.123E-05	0.000E+00
608	2	9.773E-01	-1.447E+00	3.812E-02	1.481E-03	1.019E-04	0.000E+00
609	1	-9.772E-01	1.676E+00	-4.344E-01	-2.426E-03	2.803E-05	0.000E+00
609	2	9.775E-01	-1.678E+00	3.556E-02	1.472E-03	6.924E-05	0.000E+00
610	1	-1.226E+00	-1.022E-01	-5.124E-01	-2.493E-03	-4.626E-05	0.000E+00
610	2	1.226E+00	9.995E-02	8.013E-02	1.409E-03	-1.090E-04	0.000E+00
611	1	-1.226E+00	1.273E-01	-5.111E-01	-2.487E-03	-5.889E-05	0.000E+00
611	2	1.226E+00	-1.301E-01	8.334E-02	1.438E-03	-1.434E-04	0.000E+00
612	1	-1.230E+00	7.858E-01	-5.056E-01	-2.465E-03	-3.877E-08	0.000E+00
612	2	1.230E+00	-7.869E-01	9.105E-02	1.472E-03	-1.039E-07	0.000E+00
613	1	-1.234E+00	1.445E+00	-5.111E-01	-2.487E-03	5.814E-05	0.000E+00
613	2	1.235E+00	-1.448E+00	8.335E-02	1.439E-03	1.441E-04	0.000E+00
614	1	-1.234E+00	1.676E+00	-5.124E-01	-2.493E-03	4.579E-05	0.000E+00
614	2	1.234E+00	-1.678E+00	8.013E-02	1.409E-03	1.095E-04	0.000E+00
615	1	-1.481E+00	-1.027E-01	-5.908E-01	-2.486E-03	-5.304E-05	0.000E+00
615	2	1.481E+00	1.002E-01	1.251E-01	1.437E-03	-1.259E-04	0.000E+00
616	1	-1.481E+00	1.275E-01	-5.892E-01	-2.478E-03	-6.585E-05	0.000E+00
616	2	1.481E+00	-1.301E-01	1.288E-01	1.447E-03	-1.432E-04	0.000E+00
617	1	-1.485E+00	7.862E-01	-5.836E-01	-2.475E-03	-5.322E-08	0.000E+00
617	2	1.485E+00	-7.874E-01	1.371E-01	1.462E-03	-3.057E-07	0.000E+00
618	1	-1.488E+00	1.445E+00	-5.892E-01	-2.477E-03	6.520E-05	0.000E+00
618	2	1.489E+00	-1.448E+00	1.289E-01	1.448E-03	1.435E-04	0.000E+00
619	1	-1.489E+00	1.675E+00	-5.908E-01	-2.485E-03	5.249E-05	0.000E+00
619	2	1.489E+00	-1.678E+00	1.251E-01	1.438E-03	1.264E-04	0.000E+00
620	1	-7.166E-05	8.583E-05	-2.304E-01	5.454E-04	-8.748E-05	0.000E+00
620	2	7.166E-05	-8.583E-05	-2.304E-01	5.458E-04	-8.749E-05	0.000E+00
621	1	-7.166E-05	7.471E-05	-2.277E-01	5.365E-04	-1.043E-04	0.000E+00
621	2	7.166E-05	-7.471E-05	-2.278E-01	5.369E-04	-1.043E-04	0.000E+00
622	1	-7.166E-05	4.291E-05	-2.206E-01	5.237E-04	1.119E-09	0.000E+00
622	2	7.166E-05	-4.291E-05	-2.207E-01	5.240E-04	-1.119E-09	0.000E+00
623	1	-7.166E-05	1.112E-05	-2.277E-01	5.365E-04	1.043E-04	0.000E+00
623	2	7.166E-05	-1.112E-05	-2.278E-01	5.369E-04	1.043E-04	0.000E+00
624	1	-7.166E-05	-2.495E-11	-2.304E-01	5.454E-04	8.749E-05	0.000E+00
624	2	7.166E-05	-1.540E-11	-2.304E-01	5.458E-04	8.749E-05	0.000E+00
625	1	-5.938E-05	8.583E-05	-2.130E-01	5.621E-04	-7.609E-05	0.000E+00
625	2	5.938E-05	-8.583E-05	-2.130E-01	5.625E-04	-7.610E-05	0.000E+00
626	1	-5.938E-05	7.471E-05	-2.107E-01	5.479E-04	-1.004E-04	0.000E+00
626	2	5.938E-05	-7.471E-05	-2.108E-01	5.483E-04	-1.004E-04	0.000E+00
627	1	-5.938E-05	4.291E-05	-2.041E-01	5.106E-04	9.250E-10	0.000E+00
627	2	5.938E-05	-4.291E-05	-2.042E-01	5.110E-04	-9.250E-10	0.000E+00
628	1	-5.938E-05	1.112E-05	-2.107E-01	5.479E-04	1.004E-04	0.000E+00
628	2	5.938E-05	-1.112E-05	-2.108E-01	5.483E-04	1.004E-04	0.000E+00
629	1	-5.938E-05	-2.495E-11	-2.130E-01	5.621E-04	7.609E-05	0.000E+00
629	2	5.938E-05	-1.540E-11	-2.130E-01	5.625E-04	7.610E-05	0.000E+00
630	1	-4.709E-05	8.583E-05	-1.958E-01	4.872E-04	-4.725E-05	0.000E+00
630	2	4.709E-05	-8.583E-05	-1.958E-01	4.876E-04	-4.725E-05	0.000E+00
631	1	-4.709E-05	7.471E-05	-1.938E-01	4.847E-04	-8.039E-05	0.000E+00
631	2	4.709E-05	-7.471E-05	-1.939E-01	4.850E-04	-8.040E-05	0.000E+00
632	1	-4.709E-05	4.291E-05	-1.888E-01	4.363E-04	7.168E-10	0.000E+00
632	2	4.709E-05	-4.291E-05	-1.888E-01	4.366E-04	-7.168E-10	0.000E+00
633	1	-4.709E-05	1.112E-05	-1.938E-01	4.847E-04	8.039E-05	0.000E+00

633	2	4.709E-05	-1.112E-05	-1.939E-01	4.850E-04	8.040E-05	0.000E+00
634	1	-4.709E-05	-2.495E-11	-1.958E-01	4.872E-04	4.725E-05	0.000E+00
634	2	4.709E-05	-1.540E-11	-1.958E-01	4.876E-04	4.725E-05	0.000E+00
635	1	3.584E-13	8.583E-05	-1.608E-01	-1.618E-07	-7.834E-05	0.000E+00
635	2	4.197E-13	-8.583E-05	-1.608E-01	1.618E-07	-7.834E-05	0.000E+00
636	1	3.584E-13	7.471E-05	-1.586E-01	-1.611E-07	-7.196E-05	0.000E+00
636	2	4.197E-13	-7.471E-05	-1.586E-01	1.611E-07	-7.196E-05	0.000E+00
637	1	3.584E-13	4.291E-05	-1.528E-01	-1.521E-07	1.180E-15	0.000E+00
637	2	4.197E-13	-4.291E-05	-1.528E-01	1.521E-07	1.382E-15	0.000E+00
638	1	3.584E-13	1.112E-05	-1.586E-01	-1.602E-07	7.196E-05	0.000E+00
638	2	4.197E-13	-1.112E-05	-1.586E-01	1.602E-07	7.196E-05	0.000E+00
639	1	3.584E-13	-2.495E-11	-1.608E-01	-1.607E-07	7.834E-05	0.000E+00
639	2	4.197E-13	-1.540E-11	-1.608E-01	1.607E-07	7.834E-05	0.000E+00
640	1	4.709E-05	8.583E-05	-1.958E-01	-4.876E-04	-4.725E-05	0.000E+00
640	2	-4.709E-05	-8.583E-05	-1.958E-01	-4.872E-04	-4.725E-05	0.000E+00
641	1	4.709E-05	7.471E-05	-1.939E-01	-4.850E-04	-8.040E-05	0.000E+00
641	2	-4.709E-05	-7.471E-05	-1.938E-01	-4.847E-04	-8.039E-05	0.000E+00
642	1	4.709E-05	4.291E-05	-1.888E-01	-4.366E-04	-7.168E-10	0.000E+00
642	2	-4.709E-05	-4.291E-05	-1.888E-01	-4.363E-04	7.168E-10	0.000E+00
643	1	4.709E-05	1.112E-05	-1.939E-01	-4.850E-04	8.040E-05	0.000E+00
643	2	-4.709E-05	-1.112E-05	-1.938E-01	-4.847E-04	8.039E-05	0.000E+00
644	1	4.709E-05	-2.495E-11	-1.958E-01	-4.876E-04	4.725E-05	0.000E+00
644	2	-4.709E-05	-1.540E-11	-1.958E-01	-4.872E-04	4.725E-05	0.000E+00
645	1	5.938E-05	8.583E-05	-2.130E-01	-5.625E-04	-7.610E-05	0.000E+00
645	2	-5.938E-05	-8.583E-05	-2.130E-01	-5.621E-04	-7.609E-05	0.000E+00
646	1	5.938E-05	7.471E-05	-2.108E-01	-5.483E-04	-1.004E-04	0.000E+00
646	2	-5.938E-05	-7.471E-05	-2.107E-01	-5.479E-04	-1.004E-04	0.000E+00
647	1	5.938E-05	4.291E-05	-2.042E-01	-5.110E-04	-9.250E-10	0.000E+00
647	2	-5.938E-05	-4.291E-05	-2.041E-01	-5.106E-04	9.250E-10	0.000E+00
648	1	5.938E-05	1.112E-05	-2.108E-01	-5.483E-04	1.004E-04	0.000E+00
648	2	-5.938E-05	-1.112E-05	-2.107E-01	-5.479E-04	1.004E-04	0.000E+00
649	1	5.938E-05	-2.495E-11	-2.130E-01	-5.625E-04	7.610E-05	0.000E+00
649	2	-5.938E-05	-1.540E-11	-2.130E-01	-5.621E-04	7.609E-05	0.000E+00
650	1	7.166E-05	8.583E-05	-2.304E-01	-5.458E-04	-8.749E-05	0.000E+00
650	2	-7.166E-05	-8.583E-05	-2.304E-01	-5.454E-04	-8.748E-05	0.000E+00
651	1	7.166E-05	7.471E-05	-2.278E-01	-5.369E-04	-1.043E-04	0.000E+00
651	2	-7.166E-05	-7.471E-05	-2.277E-01	-5.365E-04	-1.043E-04	0.000E+00
652	1	7.166E-05	4.291E-05	-2.207E-01	-5.240E-04	-1.119E-09	0.000E+00
652	2	-7.166E-05	-4.291E-05	-2.206E-01	-5.237E-04	1.119E-09	0.000E+00
653	1	7.166E-05	1.112E-05	-2.278E-01	-5.369E-04	1.043E-04	0.000E+00
653	2	-7.166E-05	-1.112E-05	-2.277E-01	-5.365E-04	1.043E-04	0.000E+00
654	1	7.166E-05	-2.495E-11	-2.304E-01	-5.458E-04	8.749E-05	0.000E+00
654	2	-7.166E-05	-1.540E-11	-2.304E-01	-5.454E-04	8.749E-05	0.000E+00
655	1	-1.902E-01	6.582E-01	5.478E-02	-1.016E-03	-1.260E-04	0.000E+00
655	2	1.895E-01	-6.553E-01	-5.064E-01	2.065E-03	-5.300E-05	0.000E+00
656	1	-1.899E-01	6.293E-01	5.854E-02	-1.026E-03	-1.432E-04	0.000E+00
656	2	1.890E-01	-6.264E-01	-5.047E-01	2.057E-03	-6.586E-05	0.000E+00
657	1	-1.861E-01	5.452E-01	6.678E-02	-1.041E-03	-3.145E-07	0.000E+00
657	2	1.856E-01	-5.440E-01	-4.991E-01	2.054E-03	-5.573E-08	0.000E+00
658	1	-1.823E-01	4.642E-01	5.858E-02	-1.027E-03	1.435E-04	0.000E+00
658	2	1.822E-01	-4.618E-01	-5.047E-01	2.056E-03	6.519E-05	0.000E+00
659	1	-1.820E-01	4.353E-01	5.480E-02	-1.017E-03	1.265E-04	0.000E+00
659	2	1.817E-01	-4.331E-01	-5.063E-01	2.064E-03	5.244E-05	0.000E+00
660	1	-1.581E-01	6.584E-01	2.308E-02	-9.879E-04	-1.090E-04	0.000E+00
660	2	1.574E-01	-6.558E-01	-4.412E-01	2.072E-03	-4.623E-05	0.000E+00
661	1	-1.586E-01	6.293E-01	2.629E-02	-1.017E-03	-1.434E-04	0.000E+00
661	2	1.580E-01	-6.262E-01	-4.398E-01	2.066E-03	-5.888E-05	0.000E+00
662	1	-1.542E-01	5.447E-01	3.400E-02	-1.051E-03	-1.113E-07	0.000E+00
662	2	1.538E-01	-5.437E-01	-4.344E-01	2.044E-03	-4.270E-08	0.000E+00
663	1	-1.498E-01	4.642E-01	2.631E-02	-1.018E-03	1.441E-04	0.000E+00
663	2	1.495E-01	-4.615E-01	-4.398E-01	2.066E-03	5.812E-05	0.000E+00
664	1	-1.503E-01	4.356E-01	2.308E-02	-9.885E-04	1.095E-04	0.000E+00

664	2	1.501E-01	-4.336E-01	-4.412E-01	2.072E-03	4.575E-05	0.000E+00
665	1	-1.242E-01	6.581E-01	-8.207E-03	-1.051E-03	-6.898E-05	0.000E+00
665	2	1.236E-01	-6.559E-01	-3.765E-01	2.004E-03	-2.825E-05	0.000E+00
666	1	-1.240E-01	6.284E-01	-5.654E-03	-1.060E-03	-1.016E-04	0.000E+00
666	2	1.235E-01	-6.264E-01	-3.751E-01	2.009E-03	-6.143E-05	0.000E+00
667	1	-1.223E-01	5.445E-01	3.355E-04	-1.117E-03	-4.565E-08	0.000E+00
667	2	1.219E-01	-5.434E-01	-3.709E-01	1.970E-03	6.130E-08	0.000E+00
668	1	-1.206E-01	4.633E-01	-5.656E-03	-1.060E-03	1.019E-04	0.000E+00
668	2	1.204E-01	-4.618E-01	-3.751E-01	2.008E-03	6.120E-05	0.000E+00
669	1	-1.203E-01	4.352E-01	-8.217E-03	-1.051E-03	6.927E-05	0.000E+00
669	2	1.202E-01	-4.337E-01	-3.765E-01	2.004E-03	2.799E-05	0.000E+00
670	1	-2.458E-05	6.565E-01	-1.580E-01	-1.524E-03	-8.003E-05	0.000E+00
670	2	-2.350E-05	-6.561E-01	-1.580E-01	1.524E-03	-7.999E-05	0.000E+00
671	1	2.031E-06	6.272E-01	-1.558E-01	-1.529E-03	-7.324E-05	0.000E+00
671	2	2.380E-06	-6.269E-01	-1.558E-01	1.529E-03	-7.320E-05	0.000E+00
672	1	1.432E-05	5.434E-01	-1.499E-01	-1.534E-03	4.972E-08	0.000E+00
672	2	1.432E-05	-5.434E-01	-1.499E-01	1.534E-03	4.972E-08	0.000E+00
673	1	2.795E-05	4.620E-01	-1.558E-01	-1.529E-03	7.332E-05	0.000E+00
673	2	2.760E-05	-4.623E-01	-1.558E-01	1.529E-03	7.329E-05	0.000E+00
674	1	5.549E-05	4.336E-01	-1.580E-01	-1.524E-03	8.013E-05	0.000E+00
674	2	5.442E-05	-4.339E-01	-1.580E-01	1.524E-03	8.008E-05	0.000E+00
675	1	1.240E-01	6.563E-01	-3.765E-01	-2.004E-03	-2.828E-05	0.000E+00
675	2	-1.238E-01	-6.577E-01	-8.222E-03	1.050E-03	-6.894E-05	0.000E+00
676	1	1.239E-01	6.267E-01	-3.751E-01	-2.008E-03	-6.146E-05	0.000E+00
676	2	-1.236E-01	-6.282E-01	-5.670E-03	1.059E-03	-1.016E-04	0.000E+00
677	1	1.223E-01	5.434E-01	-3.708E-01	-1.969E-03	6.069E-08	0.000E+00
677	2	-1.219E-01	-5.445E-01	3.175E-04	1.117E-03	-4.504E-08	0.000E+00
678	1	1.208E-01	4.615E-01	-3.751E-01	-2.008E-03	6.123E-05	0.000E+00
678	2	-1.202E-01	-4.635E-01	-5.672E-03	1.060E-03	1.019E-04	0.000E+00
679	1	1.206E-01	4.333E-01	-3.765E-01	-2.004E-03	2.803E-05	0.000E+00
679	2	-1.200E-01	-4.355E-01	-8.233E-03	1.051E-03	6.923E-05	0.000E+00
680	1	1.579E-01	6.562E-01	-4.412E-01	-2.072E-03	-4.627E-05	0.000E+00
680	2	-1.576E-01	-6.581E-01	2.305E-02	9.874E-04	-1.090E-04	0.000E+00
681	1	1.585E-01	6.264E-01	-4.398E-01	-2.066E-03	-5.890E-05	0.000E+00
681	2	-1.581E-01	-6.290E-01	2.626E-02	1.017E-03	-1.434E-04	0.000E+00
682	1	1.542E-01	5.437E-01	-4.343E-01	-2.043E-03	-4.441E-08	0.000E+00
682	2	-1.537E-01	-5.447E-01	3.397E-02	1.050E-03	-1.096E-07	0.000E+00
683	1	1.500E-01	4.612E-01	-4.398E-01	-2.065E-03	5.814E-05	0.000E+00
683	2	-1.493E-01	-4.644E-01	2.628E-02	1.017E-03	1.440E-04	0.000E+00
684	1	1.506E-01	4.332E-01	-4.412E-01	-2.071E-03	4.579E-05	0.000E+00
684	2	-1.498E-01	-4.359E-01	2.305E-02	9.879E-04	1.095E-04	0.000E+00
685	1	1.901E-01	6.556E-01	-5.063E-01	-2.064E-03	-5.305E-05	0.000E+00
685	2	-1.896E-01	-6.578E-01	5.473E-02	1.016E-03	-1.259E-04	0.000E+00
686	1	1.895E-01	6.266E-01	-5.047E-01	-2.056E-03	-6.586E-05	0.000E+00
686	2	-1.894E-01	-6.290E-01	5.849E-02	1.025E-03	-1.432E-04	0.000E+00
687	1	1.862E-01	5.440E-01	-4.990E-01	-2.054E-03	-5.886E-08	0.000E+00
687	2	-1.855E-01	-5.452E-01	6.674E-02	1.041E-03	-3.113E-07	0.000E+00
688	1	1.828E-01	4.615E-01	-5.047E-01	-2.056E-03	6.519E-05	0.000E+00
688	2	-1.817E-01	-4.644E-01	5.853E-02	1.026E-03	1.435E-04	0.000E+00
689	1	1.823E-01	4.327E-01	-5.063E-01	-2.064E-03	5.249E-05	0.000E+00
689	2	-1.814E-01	-4.356E-01	5.475E-02	1.016E-03	1.264E-04	0.000E+00
690	1	-2.167E-03	1.309E-03	-2.174E-01	5.455E-04	-8.748E-05	0.000E+00
690	2	-2.132E-03	1.266E-03	-2.174E-01	5.457E-04	-8.749E-05	0.000E+00
691	1	-2.167E-03	9.723E-04	-2.147E-01	5.366E-04	-1.043E-04	0.000E+00
691	2	-2.132E-03	9.352E-04	-2.147E-01	5.368E-04	-1.043E-04	0.000E+00
692	1	-2.167E-03	1.082E-05	-2.076E-01	5.238E-04	4.106E-09	0.000E+00
692	2	-2.132E-03	-1.082E-05	-2.076E-01	5.239E-04	-4.106E-09	0.000E+00
693	1	-2.167E-03	-9.507E-04	-2.147E-01	5.367E-04	1.043E-04	0.000E+00
693	2	-2.132E-03	-9.568E-04	-2.147E-01	5.368E-04	1.043E-04	0.000E+00
694	1	-2.167E-03	-1.287E-03	-2.174E-01	5.456E-04	8.749E-05	0.000E+00
694	2	-2.132E-03	-1.288E-03	-2.174E-01	5.457E-04	8.749E-05	0.000E+00
695	1	-1.796E-03	1.309E-03	-2.000E-01	5.623E-04	-7.609E-05	0.000E+00

695	2	-1.767E-03	1.266E-03	-2.000E-01	5.624E-04	-7.610E-05	0.000E+00
696	1	-1.796E-03	9.723E-04	-1.977E-01	5.480E-04	-1.004E-04	0.000E+00
696	2	-1.767E-03	9.352E-04	-1.977E-01	5.482E-04	-1.004E-04	0.000E+00
697	1	-1.796E-03	1.082E-05	-1.911E-01	5.107E-04	3.395E-09	0.000E+00
697	2	-1.767E-03	-1.082E-05	-1.911E-01	5.109E-04	-3.395E-09	0.000E+00
698	1	-1.796E-03	-9.507E-04	-1.977E-01	5.480E-04	1.004E-04	0.000E+00
698	2	-1.767E-03	-9.568E-04	-1.977E-01	5.482E-04	1.004E-04	0.000E+00
699	1	-1.796E-03	-1.287E-03	-2.000E-01	5.623E-04	7.609E-05	0.000E+00
699	2	-1.767E-03	-1.288E-03	-2.000E-01	5.624E-04	7.609E-05	0.000E+00
700	1	-1.424E-03	1.309E-03	-1.827E-01	4.873E-04	-4.725E-05	0.000E+00
700	2	-1.401E-03	1.266E-03	-1.827E-01	4.875E-04	-4.725E-05	0.000E+00
701	1	-1.424E-03	9.723E-04	-1.808E-01	4.848E-04	-8.039E-05	0.000E+00
701	2	-1.401E-03	9.352E-04	-1.808E-01	4.849E-04	-8.040E-05	0.000E+00
702	1	-1.424E-03	1.082E-05	-1.757E-01	4.364E-04	2.631E-09	0.000E+00
702	2	-1.401E-03	-1.082E-05	-1.758E-01	4.365E-04	-2.631E-09	0.000E+00
703	1	-1.424E-03	-9.507E-04	-1.808E-01	4.848E-04	8.040E-05	0.000E+00
703	2	-1.401E-03	-9.568E-04	-1.808E-01	4.849E-04	8.039E-05	0.000E+00
704	1	-1.424E-03	-1.287E-03	-1.827E-01	4.874E-04	4.725E-05	0.000E+00
704	2	-1.401E-03	-1.288E-03	-1.827E-01	4.875E-04	4.725E-05	0.000E+00
705	1	-2.573E-13	1.309E-03	-1.477E-01	-5.629E-08	-7.834E-05	0.000E+00
705	2	-2.221E-13	1.266E-03	-1.477E-01	5.629E-08	-7.834E-05	0.000E+00
706	1	-2.573E-13	9.723E-04	-1.456E-01	-5.552E-08	-7.196E-05	0.000E+00
706	2	-2.221E-13	9.352E-04	-1.456E-01	5.552E-08	-7.196E-05	0.000E+00
707	1	-2.573E-13	1.082E-05	-1.398E-01	-5.027E-08	-1.101E-15	0.000E+00
707	2	-2.221E-13	-1.082E-05	-1.398E-01	5.027E-08	-9.509E-16	0.000E+00
708	1	-2.573E-13	-9.507E-04	-1.456E-01	-5.227E-08	7.196E-05	0.000E+00
708	2	-2.221E-13	-9.568E-04	-1.456E-01	5.227E-08	7.196E-05	0.000E+00
709	1	-2.573E-13	-1.287E-03	-1.477E-01	-5.206E-08	7.834E-05	0.000E+00
709	2	-2.221E-13	-1.288E-03	-1.477E-01	5.206E-08	7.834E-05	0.000E+00
710	1	1.424E-03	1.309E-03	-1.827E-01	-4.875E-04	-4.725E-05	0.000E+00
710	2	1.401E-03	1.266E-03	-1.827E-01	-4.873E-04	-4.725E-05	0.000E+00
711	1	1.424E-03	9.723E-04	-1.808E-01	-4.849E-04	-8.040E-05	0.000E+00
711	2	1.401E-03	9.352E-04	-1.808E-01	-4.848E-04	-8.039E-05	0.000E+00
712	1	1.424E-03	1.082E-05	-1.758E-01	-4.365E-04	-2.631E-09	0.000E+00
712	2	1.401E-03	-1.082E-05	-1.757E-01	-4.364E-04	2.631E-09	0.000E+00
713	1	1.424E-03	-9.507E-04	-1.808E-01	-4.849E-04	8.039E-05	0.000E+00
713	2	1.401E-03	-9.568E-04	-1.808E-01	-4.848E-04	8.040E-05	0.000E+00
714	1	1.424E-03	-1.287E-03	-1.827E-01	-4.875E-04	4.725E-05	0.000E+00
714	2	1.401E-03	-1.288E-03	-1.827E-01	-4.874E-04	4.725E-05	0.000E+00
715	1	1.796E-03	1.309E-03	-2.000E-01	-5.624E-04	-7.610E-05	0.000E+00
715	2	1.767E-03	1.266E-03	-2.000E-01	-5.623E-04	-7.609E-05	0.000E+00
716	1	1.796E-03	9.723E-04	-1.977E-01	-5.482E-04	-1.004E-04	0.000E+00
716	2	1.767E-03	9.352E-04	-1.977E-01	-5.480E-04	-1.004E-04	0.000E+00
717	1	1.796E-03	1.082E-05	-1.911E-01	-5.109E-04	-3.395E-09	0.000E+00
717	2	1.767E-03	-1.082E-05	-1.911E-01	-5.107E-04	3.395E-09	0.000E+00
718	1	1.796E-03	-9.507E-04	-1.977E-01	-5.482E-04	1.004E-04	0.000E+00
718	2	1.767E-03	-9.568E-04	-1.977E-01	-5.480E-04	1.004E-04	0.000E+00
719	1	1.796E-03	-1.287E-03	-2.000E-01	-5.624E-04	7.609E-05	0.000E+00
719	2	1.767E-03	-1.288E-03	-2.000E-01	-5.623E-04	7.609E-05	0.000E+00
720	1	2.167E-03	1.309E-03	-2.174E-01	-5.457E-04	-8.749E-05	0.000E+00
720	2	2.132E-03	1.266E-03	-2.174E-01	-5.455E-04	-8.748E-05	0.000E+00
721	1	2.167E-03	9.723E-04	-2.147E-01	-5.368E-04	-1.043E-04	0.000E+00
721	2	2.132E-03	9.352E-04	-2.147E-01	-5.366E-04	-1.043E-04	0.000E+00
722	1	2.167E-03	1.082E-05	-2.076E-01	-5.239E-04	-4.106E-09	0.000E+00
722	2	2.132E-03	-1.082E-05	-2.076E-01	-5.238E-04	4.106E-09	0.000E+00
723	1	2.167E-03	-9.507E-04	-2.147E-01	-5.368E-04	1.043E-04	0.000E+00
723	2	2.132E-03	-9.568E-04	-2.147E-01	-5.367E-04	1.043E-04	0.000E+00
724	1	2.167E-03	-1.287E-03	-2.174E-01	-5.457E-04	8.749E-05	0.000E+00
724	2	2.132E-03	-1.288E-03	-2.174E-01	-5.456E-04	8.749E-05	0.000E+00
1000	1	4.439E-02	-9.889E-02	3.554E-02	-4.629E-05	2.464E-03	1.448E-03
1000	2	8.564E-03	9.893E-02	5.228E-02	-1.519E-04	2.471E-03	-1.448E-03
1001	1	8.566E-03	-9.887E-02	5.176E-02	1.519E-04	2.464E-03	1.446E-03

1001	2	4.439E-02	9.883E-02	3.606E-02	4.630E-05	2.472E-03	-1.446E-03
1002	1	4.464E-02	1.018E-03	-1.345E-01	-4.629E-05	2.465E-03	1.448E-03
1002	2	8.811E-03	-9.863E-04	-1.182E-01	-1.519E-04	2.471E-03	-1.448E-03
1003	1	8.812E-03	9.073E-04	-1.182E-01	1.519E-04	2.464E-03	1.446E-03
1003	2	4.464E-02	-9.391E-04	-1.345E-01	4.630E-05	2.472E-03	-1.446E-03
1004	1	4.802E-02	2.730E-01	-5.856E-01	-2.259E-04	2.385E-03	1.536E-03
1004	2	6.415E-03	-2.730E-01	-5.706E-01	-3.335E-04	2.392E-03	-1.536E-03
1005	1	6.415E-03	2.725E-01	-5.692E-01	3.335E-04	2.384E-03	1.533E-03
1005	2	4.802E-02	-2.726E-01	-5.870E-01	2.259E-04	2.393E-03	-1.533E-03
1006	1	5.592E-02	1.099E+00	-1.628E+00	-3.090E-04	1.493E-03	1.644E-03
1006	2	5.499E-04	-1.099E+00	-1.616E+00	-4.190E-04	1.499E-03	-1.644E-03
1007	1	5.457E-04	1.098E+00	-1.611E+00	4.190E-04	1.492E-03	1.645E-03
1007	2	5.593E-02	-1.098E+00	-1.633E+00	3.090E-04	1.500E-03	-1.644E-03
1008	1	6.191E-02	1.932E+00	-2.033E+00	-3.500E-04	2.295E-05	1.574E-03
1008	2	-4.645E-03	-1.932E+00	-2.025E+00	-4.622E-04	2.973E-05	-1.575E-03
1009	1	-4.653E-03	1.931E+00	-2.016E+00	4.622E-04	2.227E-05	1.575E-03
1009	2	6.192E-02	-1.931E+00	-2.042E+00	3.500E-04	3.041E-05	-1.574E-03
1010	1	6.592E-02	2.698E+00	-1.651E+00	-3.067E-04	-1.447E-03	1.397E-03
1010	2	-9.397E-03	-2.698E+00	-1.646E+00	-4.212E-04	-1.440E-03	-1.398E-03
1011	1	-9.409E-03	2.697E+00	-1.633E+00	4.212E-04	-1.447E-03	1.398E-03
1011	2	6.593E-02	-2.697E+00	-1.664E+00	3.067E-04	-1.439E-03	-1.397E-03
1012	1	6.828E-02	3.358E+00	-6.324E-01	-2.214E-04	-2.339E-03	1.179E-03
1012	2	-1.374E-02	-3.358E+00	-6.312E-01	-3.381E-04	-2.332E-03	-1.179E-03
1013	1	-1.375E-02	3.358E+00	-6.146E-01	3.381E-04	-2.340E-03	1.182E-03
1013	2	6.829E-02	-3.358E+00	-6.490E-01	2.214E-04	-2.332E-03	-1.182E-03
1014	1	6.870E-02	3.566E+00	-1.895E-01	-4.072E-05	-2.419E-03	1.111E-03
1014	2	-1.512E-02	-3.566E+00	-1.895E-01	-1.574E-04	-2.412E-03	-1.111E-03
1015	1	-1.514E-02	3.566E+00	-1.716E-01	1.574E-04	-2.419E-03	1.113E-03
1015	2	6.871E-02	-3.566E+00	-2.074E-01	4.073E-05	-2.411E-03	-1.113E-03
1016	1	6.870E-02	3.642E+00	-2.270E-02	-4.072E-05	-2.419E-03	1.111E-03
1016	2	-1.512E-02	-3.642E+00	-2.319E-02	-1.574E-04	-2.412E-03	-1.111E-03
1017	1	-1.514E-02	3.642E+00	-4.762E-03	1.574E-04	-2.419E-03	1.113E-03
1017	2	6.871E-02	-3.642E+00	-4.112E-02	4.073E-05	-2.411E-03	-1.113E-03
1018	1	-1.831E-01	6.549E+00	4.493E-01	-1.621E-03	2.545E-03	-2.032E-03
1018	2	1.813E-01	-6.549E+00	-4.906E-01	1.423E-03	2.353E-03	2.031E-03
1019	1	1.809E-01	6.549E+00	-1.393E-02	-1.423E-03	2.546E-03	-2.033E-03
1019	2	-1.826E-01	-6.549E+00	-2.732E-02	1.621E-03	2.352E-03	2.033E-03
1020	1	-1.831E-01	6.409E+00	2.738E-01	-1.621E-03	2.545E-03	-2.032E-03
1020	2	1.813E-01	-6.408E+00	-6.529E-01	1.423E-03	2.353E-03	2.031E-03
1021	1	1.809E-01	6.409E+00	-1.895E-01	-1.423E-03	2.546E-03	-2.033E-03
1021	2	-1.826E-01	-6.408E+00	-1.895E-01	1.621E-03	2.352E-03	2.033E-03
1022	1	-1.817E-01	6.035E+00	-1.919E-01	-1.803E-03	2.465E-03	-2.100E-03
1022	2	1.809E-01	-6.035E+00	-1.084E+00	1.243E-03	2.273E-03	2.099E-03
1023	1	1.805E-01	6.035E+00	-6.555E-01	-1.243E-03	2.466E-03	-2.102E-03
1023	2	-1.812E-01	-6.034E+00	-6.203E-01	1.803E-03	2.272E-03	2.102E-03
1024	1	-1.773E-01	4.908E+00	-1.275E+00	-1.889E-03	1.573E-03	-2.318E-03
1024	2	1.785E-01	-4.907E+00	-2.069E+00	1.161E-03	1.381E-03	2.317E-03
1025	1	1.782E-01	4.907E+00	-1.739E+00	-1.161E-03	1.574E-03	-2.317E-03
1025	2	-1.769E-01	-4.906E+00	-1.605E+00	1.889E-03	1.380E-03	2.318E-03
1026	1	-1.725E-01	3.673E+00	-1.721E+00	-1.933E-03	1.032E-04	-2.495E-03
1026	2	1.744E-01	-3.673E+00	-2.418E+00	1.121E-03	-8.866E-05	2.494E-03
1027	1	1.742E-01	3.672E+00	-2.186E+00	-1.121E-03	1.044E-04	-2.494E-03
1027	2	-1.722E-01	-3.672E+00	-1.953E+00	1.933E-03	-8.982E-05	2.495E-03
1028	1	-1.672E-01	2.371E+00	-1.380E+00	-1.893E-03	-1.366E-03	-2.563E-03
1028	2	1.684E-01	-2.371E+00	-1.979E+00	1.165E-03	-1.558E-03	2.565E-03
1029	1	1.683E-01	2.370E+00	-1.845E+00	-1.165E-03	-1.365E-03	-2.565E-03
1029	2	-1.670E-01	-2.370E+00	-1.513E+00	1.893E-03	-1.559E-03	2.563E-03
1030	1	-1.613E-01	1.077E+00	-4.023E-01	-1.810E-03	-2.259E-03	-2.465E-03
1030	2	1.605E-01	-1.078E+00	-9.032E-01	1.251E-03	-2.451E-03	2.448E-03
1031	1	1.605E-01	1.077E+00	-8.682E-01	-1.251E-03	-2.258E-03	-2.445E-03
1031	2	-1.612E-01	-1.077E+00	-4.373E-01	1.810E-03	-2.452E-03	2.461E-03
1032	1	-1.589E-01	6.367E-01	2.605E-02	-1.630E-03	-2.338E-03	-2.381E-03

1032	2	1.571E-01	-6.418E-01	-4.401E-01	1.431E-03	-2.530E-03	2.356E-03
1033	1	1.571E-01	6.418E-01	-4.401E-01	-1.431E-03	-2.337E-03	-2.354E-03
1033	2	-1.588E-01	-6.367E-01	2.602E-02	1.630E-03	-2.531E-03	2.378E-03
1034	1	-1.591E-01	4.726E-01	1.873E-01	-1.630E-03	-2.338E-03	-2.381E-03
1034	2	1.568E-01	-4.794E-01	-2.656E-01	1.431E-03	-2.530E-03	2.356E-03
1035	1	1.569E-01	4.795E-01	-2.789E-01	-1.431E-03	-2.337E-03	-2.354E-03
1035	2	-1.591E-01	-4.727E-01	2.006E-01	1.630E-03	-2.531E-03	2.378E-03
1036	1	-1.464E-01	4.475E-01	1.880E-01	-1.631E-03	2.347E-03	3.760E-04
1036	2	1.478E-01	-4.544E-01	-2.651E-01	1.433E-03	2.536E-03	-3.523E-04
1037	1	1.478E-01	4.545E-01	-2.783E-01	-1.433E-03	2.345E-03	3.497E-04
1037	2	-1.464E-01	-4.476E-01	2.012E-01	1.631E-03	2.539E-03	-3.740E-04
1038	1	-1.462E-01	4.736E-01	2.605E-02	-1.631E-03	2.348E-03	3.761E-04
1038	2	1.480E-01	-4.788E-01	-4.401E-01	1.433E-03	2.536E-03	-3.524E-04
1039	1	1.481E-01	4.787E-01	-4.401E-01	-1.433E-03	2.345E-03	3.497E-04
1039	2	-1.461E-01	-4.736E-01	2.602E-02	1.631E-03	2.539E-03	-3.740E-04
1040	1	-1.428E-01	5.519E-01	-4.040E-01	-1.810E-03	2.268E-03	4.598E-04
1040	2	1.456E-01	-5.528E-01	-9.043E-01	1.250E-03	2.457E-03	-4.440E-04
1041	1	1.456E-01	5.522E-01	-8.696E-01	-1.250E-03	2.265E-03	4.407E-04
1041	2	-1.427E-01	-5.515E-01	-4.387E-01	1.810E-03	2.460E-03	-4.570E-04
1042	1	-1.350E-01	8.271E-01	-1.386E+00	-1.889E-03	1.376E-03	5.581E-04
1042	2	1.398E-01	-8.270E-01	-1.983E+00	1.161E-03	1.564E-03	-5.616E-04
1043	1	1.397E-01	8.261E-01	-1.851E+00	-1.161E-03	1.373E-03	5.617E-04
1043	2	-1.348E-01	-8.265E-01	-1.518E+00	1.889E-03	1.567E-03	-5.588E-04
1044	1	-1.290E-01	1.108E+00	-1.732E+00	-1.927E-03	-9.403E-05	4.897E-04
1044	2	1.346E-01	-1.108E+00	-2.425E+00	1.115E-03	9.482E-05	-4.906E-04
1045	1	1.345E-01	1.107E+00	-2.195E+00	-1.115E-03	-9.671E-05	4.903E-04
1045	2	-1.288E-01	-1.108E+00	-1.962E+00	1.927E-03	9.750E-05	-4.899E-04
1046	1	-1.251E-01	1.322E+00	-1.290E+00	-1.880E-03	-1.564E-03	3.130E-04
1046	2	1.299E-01	-1.322E+00	-2.079E+00	1.152E-03	-1.375E-03	-3.139E-04
1047	1	1.296E-01	1.321E+00	-1.752E+00	-1.152E-03	-1.566E-03	3.133E-04
1047	2	-1.247E-01	-1.322E+00	-1.618E+00	1.880E-03	-1.372E-03	-3.129E-04
1048	1	-1.228E-01	1.431E+00	-2.123E-01	-1.792E-03	-2.456E-03	9.462E-05
1048	2	1.256E-01	-1.432E+00	-1.098E+00	1.232E-03	-2.267E-03	-9.550E-05
1049	1	1.252E-01	1.430E+00	-6.725E-01	-1.232E-03	-2.459E-03	9.807E-05
1049	2	-1.223E-01	-1.431E+00	-6.373E-01	1.792E-03	-2.265E-03	-9.777E-05
1050	1	-1.224E-01	1.442E+00	2.518E-01	-1.610E-03	-2.536E-03	2.684E-05
1050	2	1.242E-01	-1.443E+00	-6.677E-01	1.412E-03	-2.347E-03	-2.733E-05
1051	1	1.238E-01	1.442E+00	-2.080E-01	-1.412E-03	-2.538E-03	2.911E-05
1051	2	-1.219E-01	-1.443E+00	-2.080E-01	1.610E-03	-2.344E-03	-2.919E-05
1052	1	-1.224E-01	1.444E+00	4.267E-01	-1.610E-03	-2.536E-03	2.691E-05
1052	2	1.242E-01	-1.445E+00	-5.058E-01	1.412E-03	-2.347E-03	-2.740E-05
1053	1	1.238E-01	1.444E+00	-3.292E-02	-1.412E-03	-2.538E-03	2.911E-05
1053	2	-1.219E-01	-1.445E+00	-4.627E-02	1.610E-03	-2.344E-03	-2.919E-05
1054	1	-7.150E-02	4.776E+00	4.838E-01	-1.794E-03	2.549E-03	-1.298E-03
1054	2	6.958E-02	-4.774E+00	-5.628E-01	1.596E-03	2.336E-03	1.297E-03
1055	1	6.923E-02	4.776E+00	-3.207E-02	-1.596E-03	2.551E-03	-1.300E-03
1055	2	-7.081E-02	-4.774E+00	-4.695E-02	1.794E-03	2.334E-03	1.299E-03
1056	1	-7.150E-02	4.687E+00	3.080E-01	-1.794E-03	2.549E-03	-1.298E-03
1056	2	6.958E-02	-4.684E+00	-7.239E-01	1.596E-03	2.336E-03	1.297E-03
1057	1	6.923E-02	4.687E+00	-2.080E-01	-1.596E-03	2.551E-03	-1.300E-03
1057	2	-7.081E-02	-4.684E+00	-2.080E-01	1.794E-03	2.334E-03	1.299E-03
1058	1	-7.008E-02	4.446E+00	-1.585E-01	-1.976E-03	2.470E-03	-1.366E-03
1058	2	6.914E-02	-4.443E+00	-1.152E+00	1.416E-03	2.256E-03	1.365E-03
1059	1	6.884E-02	4.445E+00	-6.748E-01	-1.416E-03	2.471E-03	-1.369E-03
1059	2	-6.944E-02	-4.443E+00	-6.356E-01	1.976E-03	2.255E-03	1.368E-03
1060	1	-6.568E-02	3.691E+00	-1.244E+00	-2.062E-03	1.577E-03	-1.585E-03
1060	2	6.675E-02	-3.689E+00	-2.128E+00	1.334E-03	1.364E-03	1.583E-03
1061	1	6.655E-02	3.691E+00	-1.760E+00	-1.334E-03	1.579E-03	-1.584E-03
1061	2	-6.513E-02	-3.689E+00	-1.611E+00	2.062E-03	1.362E-03	1.583E-03
1062	1	-6.085E-02	2.831E+00	-1.692E+00	-2.107E-03	1.077E-04	-1.762E-03
1062	2	6.269E-02	-2.829E+00	-2.468E+00	1.294E-03	-1.059E-04	1.760E-03
1063	1	6.261E-02	2.830E+00	-2.210E+00	-1.294E-03	1.090E-04	-1.761E-03

1063	2	-6.042E-02	-2.829E+00	-1.950E+00	2.107E-03	-1.073E-04	1.761E-03
1064	1	-5.559E-02	1.903E+00	-1.353E+00	-2.067E-03	-1.362E-03	-1.830E-03
1064	2	5.666E-02	-1.902E+00	-2.020E+00	1.339E-03	-1.576E-03	1.831E-03
1065	1	5.668E-02	1.902E+00	-1.872E+00	-1.339E-03	-1.361E-03	-1.832E-03
1065	2	-5.527E-02	-1.902E+00	-1.502E+00	2.067E-03	-1.577E-03	1.829E-03
1066	1	-4.966E-02	9.827E-01	-3.779E-01	-1.985E-03	-2.254E-03	-1.731E-03
1066	2	4.872E-02	-9.832E-01	-9.359E-01	1.425E-03	-2.468E-03	1.713E-03
1067	1	4.885E-02	9.830E-01	-8.970E-01	-1.425E-03	-2.253E-03	-1.711E-03
1067	2	-4.944E-02	-9.819E-01	-4.169E-01	1.985E-03	-2.469E-03	1.727E-03
1068	1	-4.723E-02	6.750E-01	4.958E-02	-1.804E-03	-2.334E-03	-1.647E-03
1068	2	4.532E-02	-6.800E-01	-4.697E-01	1.606E-03	-2.548E-03	1.622E-03
1069	1	4.549E-02	6.800E-01	-4.697E-01	-1.606E-03	-2.333E-03	-1.621E-03
1069	2	-4.706E-02	-6.748E-01	4.955E-02	1.804E-03	-2.549E-03	1.644E-03
1070	1	-4.747E-02	5.615E-01	2.106E-01	-1.804E-03	-2.334E-03	-1.647E-03
1070	2	4.506E-02	-5.682E-01	-2.940E-01	1.606E-03	-2.547E-03	1.622E-03
1071	1	4.526E-02	5.683E-01	-3.088E-01	-1.606E-03	-2.333E-03	-1.621E-03
1071	2	-4.731E-02	-5.616E-01	2.254E-01	1.804E-03	-2.549E-03	1.644E-03
1072	1	-3.479E-02	5.547E-01	2.109E-01	-1.806E-03	2.338E-03	1.109E-03
1072	2	3.602E-02	-5.616E-01	-2.939E-01	1.607E-03	2.549E-03	-1.086E-03
1073	1	3.622E-02	5.617E-01	-3.086E-01	-1.607E-03	2.335E-03	1.083E-03
1073	2	-3.464E-02	-5.548E-01	2.256E-01	1.806E-03	2.552E-03	-1.108E-03
1074	1	-3.455E-02	6.314E-01	4.959E-02	-1.806E-03	2.338E-03	1.109E-03
1074	2	3.627E-02	-6.367E-01	-4.697E-01	1.607E-03	2.549E-03	-1.087E-03
1075	1	3.645E-02	6.365E-01	-4.697E-01	-1.607E-03	2.335E-03	1.083E-03
1075	2	-3.438E-02	-6.315E-01	4.956E-02	1.806E-03	2.552E-03	-1.108E-03
1076	1	-3.119E-02	8.425E-01	-3.788E-01	-1.984E-03	2.259E-03	1.193E-03
1076	2	3.389E-02	-8.436E-01	-9.361E-01	1.424E-03	2.469E-03	-1.178E-03
1077	1	3.403E-02	8.428E-01	-8.975E-01	-1.424E-03	2.256E-03	1.174E-03
1077	2	-3.098E-02	-8.423E-01	-4.174E-01	1.984E-03	2.472E-03	-1.191E-03
1078	1	-2.335E-02	1.491E+00	-1.356E+00	-2.063E-03	1.366E-03	1.291E-03
1078	2	2.807E-02	-1.492E+00	-2.021E+00	1.335E-03	1.577E-03	-1.296E-03
1079	1	2.809E-02	1.490E+00	-1.874E+00	-1.335E-03	1.363E-03	1.295E-03
1079	2	-2.304E-02	-1.491E+00	-1.504E+00	2.063E-03	1.580E-03	-1.293E-03
1080	1	-1.743E-02	2.146E+00	-1.698E+00	-2.101E-03	-1.032E-04	1.223E-03
1080	2	2.291E-02	-2.147E+00	-2.470E+00	1.288E-03	1.074E-04	-1.225E-03
1081	1	2.283E-02	2.145E+00	-2.213E+00	-1.288E-03	-1.061E-04	1.224E-03
1081	2	-1.700E-02	-2.147E+00	-1.954E+00	2.101E-03	1.103E-04	-1.224E-03
1082	1	-1.348E-02	2.734E+00	-1.251E+00	-2.054E-03	-1.573E-03	1.046E-03
1082	2	1.820E-02	-2.736E+00	-2.130E+00	1.326E-03	-1.362E-03	-1.048E-03
1083	1	1.801E-02	2.733E+00	-1.765E+00	-1.326E-03	-1.576E-03	1.047E-03
1083	2	-1.295E-02	-2.735E+00	-1.616E+00	2.054E-03	-1.359E-03	-1.047E-03
1084	1	-1.119E-02	3.216E+00	-1.684E-01	-1.965E-03	-2.465E-03	8.280E-04
1084	2	1.390E-02	-3.219E+00	-1.155E+00	1.405E-03	-2.255E-03	-8.297E-04
1085	1	1.360E-02	3.216E+00	-6.813E-01	-1.405E-03	-2.468E-03	8.314E-04
1085	2	-1.055E-02	-3.219E+00	-6.421E-01	1.965E-03	-2.252E-03	-8.320E-04
1086	1	-1.079E-02	3.361E+00	2.973E-01	-1.783E-03	-2.545E-03	7.602E-04
1086	2	1.253E-02	-3.363E+00	-7.274E-01	1.585E-03	-2.334E-03	-7.615E-04
1087	1	1.219E-02	3.361E+00	-2.151E-01	-1.585E-03	-2.548E-03	7.625E-04
1087	2	-1.011E-02	-3.363E+00	-2.150E-01	1.783E-03	-2.331E-03	-7.634E-04
1088	1	-1.079E-02	3.413E+00	4.728E-01	-1.783E-03	-2.545E-03	7.603E-04
1088	2	1.253E-02	-3.416E+00	-5.664E-01	1.585E-03	-2.334E-03	-7.616E-04
1089	1	1.219E-02	3.413E+00	-3.936E-02	-1.585E-03	-2.547E-03	7.625E-04
1089	2	-1.011E-02	-3.416E+00	-5.422E-02	1.783E-03	-2.331E-03	-7.634E-04
1090	1	1.083E+00	-1.472E+01	3.974E-01	-1.538E-03	2.528E-03	6.289E-03
1090	2	-1.085E+00	1.471E+01	-4.912E-01	1.340E-03	2.347E-03	-6.288E-03
1091	1	-1.086E+00	-1.472E+01	-4.061E-02	-1.340E-03	2.529E-03	6.287E-03
1091	2	1.084E+00	1.471E+01	-5.323E-02	1.538E-03	2.346E-03	-6.286E-03
1092	1	1.083E+00	-1.428E+01	2.230E-01	-1.538E-03	2.528E-03	6.289E-03
1092	2	-1.085E+00	1.428E+01	-6.531E-01	1.340E-03	2.347E-03	-6.288E-03
1093	1	-1.086E+00	-1.428E+01	-2.151E-01	-1.340E-03	2.529E-03	6.287E-03
1093	2	1.084E+00	1.428E+01	-2.150E-01	1.538E-03	2.346E-03	-6.286E-03
1094	1	1.085E+00	-1.315E+01	-2.397E-01	-1.719E-03	2.449E-03	6.221E-03

1094	2	-1.085E+00	1.315E+01	-1.083E+00	1.160E-03	2.267E-03	-6.220E-03
1095	1	-1.086E+00	-1.315E+01	-6.780E-01	-1.160E-03	2.450E-03	6.219E-03
1095	2	1.085E+00	1.315E+01	-6.447E-01	1.719E-03	2.266E-03	-6.217E-03
1096	1	1.089E+00	-1.004E+01	-1.314E+00	-1.805E-03	1.556E-03	6.003E-03
1096	2	-1.088E+00	1.004E+01	-2.065E+00	1.078E-03	1.375E-03	-6.002E-03
1097	1	-1.088E+00	-1.004E+01	-1.753E+00	-1.078E-03	1.557E-03	6.004E-03
1097	2	1.089E+00	1.004E+01	-1.626E+00	1.805E-03	1.374E-03	-6.001E-03
1098	1	1.094E+00	-7.035E+00	-1.752E+00	-1.849E-03	8.675E-05	5.826E-03
1098	2	-1.092E+00	7.033E+00	-2.411E+00	1.037E-03	-9.470E-05	-5.825E-03
1099	1	-1.092E+00	-7.036E+00	-2.192E+00	-1.037E-03	8.780E-05	5.827E-03
1099	2	1.094E+00	7.034E+00	-1.971E+00	1.849E-03	-9.576E-05	-5.824E-03
1100	1	1.099E+00	-4.093E+00	-1.403E+00	-1.809E-03	-1.383E-03	5.757E-03
1100	2	-1.098E+00	4.093E+00	-1.968E+00	1.081E-03	-1.564E-03	-5.754E-03
1101	1	-1.098E+00	-4.094E+00	-1.842E+00	-1.081E-03	-1.382E-03	5.755E-03
1101	2	1.099E+00	4.093E+00	-1.528E+00	1.809E-03	-1.565E-03	-5.756E-03
1102	1	1.105E+00	-1.152E+00	-4.165E-01	-1.726E-03	-2.275E-03	5.856E-03
1102	2	-1.106E+00	1.151E+00	-8.900E-01	1.167E-03	-2.457E-03	-5.871E-03
1103	1	-1.106E+00	-1.152E+00	-8.569E-01	-1.167E-03	-2.274E-03	5.876E-03
1103	2	1.105E+00	1.152E+00	-4.496E-01	1.726E-03	-2.458E-03	-5.858E-03
1104	1	1.108E+00	-8.656E-02	1.480E-02	-1.546E-03	-2.355E-03	5.940E-03
1104	2	-1.109E+00	8.137E-02	-4.258E-01	1.348E-03	-2.536E-03	-5.963E-03
1105	1	-1.109E+00	-8.154E-02	-4.258E-01	-1.348E-03	-2.354E-03	5.966E-03
1105	2	1.107E+00	8.649E-02	1.477E-02	1.546E-03	-2.537E-03	-5.941E-03
1106	1	1.107E+00	3.235E-01	1.772E-01	-1.546E-03	-2.355E-03	5.940E-03
1106	2	-1.109E+00	-3.302E-01	-2.509E-01	1.348E-03	-2.536E-03	-5.963E-03
1107	1	-1.110E+00	3.303E-01	-2.634E-01	-1.348E-03	-2.354E-03	5.966E-03
1107	2	1.107E+00	-3.236E-01	1.898E-01	1.546E-03	-2.537E-03	-5.941E-03
1108	1	1.120E+00	5.064E-01	1.772E-01	-1.547E-03	2.354E-03	8.697E-03
1108	2	-1.118E+00	-5.132E-01	-2.511E-01	1.349E-03	2.532E-03	-8.671E-03
1109	1	-1.119E+00	5.133E-01	-2.636E-01	-1.349E-03	2.351E-03	8.670E-03
1109	2	1.120E+00	-5.064E-01	1.896E-01	1.547E-03	2.535E-03	-8.693E-03
1110	1	1.120E+00	1.107E+00	1.480E-02	-1.547E-03	2.354E-03	8.697E-03
1110	2	-1.118E+00	-1.112E+00	-4.258E-01	1.349E-03	2.532E-03	-8.671E-03
1111	1	-1.118E+00	1.112E+00	-4.258E-01	-1.349E-03	2.351E-03	8.670E-03
1111	2	1.120E+00	-1.106E+00	1.477E-02	1.547E-03	2.535E-03	-8.693E-03
1112	1	1.124E+00	2.691E+00	-4.164E-01	-1.726E-03	2.275E-03	8.781E-03
1112	2	-1.121E+00	-2.691E+00	-8.893E-01	1.166E-03	2.453E-03	-8.763E-03
1113	1	-1.121E+00	2.691E+00	-8.565E-01	-1.166E-03	2.272E-03	8.761E-03
1113	2	1.123E+00	-2.690E+00	-4.492E-01	1.726E-03	2.456E-03	-8.776E-03
1114	1	1.131E+00	7.201E+00	-1.402E+00	-1.806E-03	1.382E-03	8.879E-03
1114	2	-1.126E+00	-7.200E+00	-1.966E+00	1.078E-03	1.561E-03	-8.881E-03
1115	1	-1.127E+00	7.200E+00	-1.841E+00	-1.078E-03	1.380E-03	8.882E-03
1115	2	1.131E+00	-7.199E+00	-1.527E+00	1.806E-03	1.563E-03	-8.878E-03
1116	1	1.137E+00	1.173E+01	-1.751E+00	-1.843E-03	-8.748E-05	8.810E-03
1116	2	-1.132E+00	-1.172E+01	-2.406E+00	1.031E-03	9.094E-05	-8.810E-03
1117	1	-1.132E+00	1.173E+01	-2.189E+00	-1.031E-03	-9.006E-05	8.811E-03
1117	2	1.137E+00	-1.172E+01	-1.969E+00	1.843E-03	9.352E-05	-8.809E-03
1118	1	1.141E+00	1.618E+01	-1.313E+00	-1.797E-03	-1.557E-03	8.634E-03
1118	2	-1.136E+00	-1.618E+01	-2.059E+00	1.069E-03	-1.379E-03	-8.633E-03
1119	1	-1.137E+00	1.618E+01	-1.749E+00	-1.069E-03	-1.560E-03	8.634E-03
1119	2	1.141E+00	-1.618E+01	-1.622E+00	1.797E-03	-1.376E-03	-8.632E-03
1120	1	1.144E+00	2.053E+01	-2.381E-01	-1.709E-03	-2.450E-03	8.415E-03
1120	2	-1.141E+00	-2.052E+01	-1.075E+00	1.149E-03	-2.271E-03	-8.415E-03
1121	1	-1.141E+00	2.053E+01	-6.730E-01	-1.149E-03	-2.452E-03	8.419E-03
1121	2	1.144E+00	-2.052E+01	-6.397E-01	1.709E-03	-2.269E-03	-8.417E-03
1122	1	1.144E+00	2.205E+01	2.248E-01	-1.527E-03	-2.529E-03	8.348E-03
1122	2	-1.142E+00	-2.204E+01	-6.441E-01	1.329E-03	-2.351E-03	-8.346E-03
1123	1	-1.143E+00	2.204E+01	-2.097E-01	-1.329E-03	-2.532E-03	8.350E-03
1123	2	1.144E+00	-2.204E+01	-2.096E-01	1.527E-03	-2.348E-03	-8.348E-03
1124	1	1.144E+00	2.262E+01	3.992E-01	-1.527E-03	-2.529E-03	8.348E-03
1124	2	-1.142E+00	-2.262E+01	-4.820E-01	1.329E-03	-2.350E-03	-8.346E-03
1125	1	-1.143E+00	2.262E+01	-3.506E-02	-1.329E-03	-2.531E-03	8.350E-03

1125	2	1.144E+00	-2.262E+01	-4.767E-02	1.527E-03	-2.348E-03	-8.348E-03
1126	1	2.202E-01	-7.741E-02	4.987E-01	-1.853E-03	2.600E-03	6.185E-04
1126	2	-2.220E-01	7.749E-02	-5.848E-01	1.655E-03	2.379E-03	-6.187E-04
1127	1	-2.225E-01	-7.741E-02	-3.537E-02	-1.655E-03	2.601E-03	6.167E-04
1127	2	2.208E-01	7.747E-02	-5.078E-02	1.853E-03	2.377E-03	-6.165E-04
1128	1	2.202E-01	-3.475E-02	3.193E-01	-1.853E-03	2.600E-03	6.185E-04
1128	2	-2.220E-01	3.481E-02	-7.489E-01	1.655E-03	2.379E-03	-6.188E-04
1129	1	-2.225E-01	-3.486E-02	-2.148E-01	-1.655E-03	2.602E-03	6.167E-04
1129	2	2.208E-01	3.493E-02	-2.148E-01	1.853E-03	2.378E-03	-6.165E-04
1130	1	2.216E-01	7.126E-02	-1.565E-01	-2.035E-03	2.519E-03	5.504E-04
1130	2	-2.224E-01	-7.120E-02	-1.185E+00	1.476E-03	2.298E-03	-5.510E-04
1131	1	-2.229E-01	7.076E-02	-6.909E-01	-1.476E-03	2.521E-03	5.481E-04
1131	2	2.221E-01	-7.070E-02	-6.503E-01	2.035E-03	2.297E-03	-5.475E-04
1132	1	2.261E-01	2.925E-01	-1.264E+00	-2.122E-03	1.611E-03	3.319E-04
1132	2	-2.248E-01	-2.925E-01	-2.180E+00	1.394E-03	1.390E-03	-3.327E-04
1133	1	-2.252E-01	2.918E-01	-1.799E+00	-1.394E-03	1.613E-03	3.329E-04
1133	2	2.265E-01	-2.917E-01	-1.644E+00	2.122E-03	1.389E-03	-3.323E-04
1134	1	2.309E-01	4.094E-01	-1.723E+00	-2.166E-03	1.100E-04	1.551E-04
1134	2	-2.288E-01	-4.094E-01	-2.526E+00	1.354E-03	-1.111E-04	-1.561E-04
1135	1	-2.291E-01	4.088E-01	-2.259E+00	-1.354E-03	1.115E-04	1.561E-04
1135	2	2.312E-01	-4.087E-01	-1.990E+00	2.166E-03	-1.125E-04	-1.552E-04
1136	1	2.362E-01	4.595E-01	-1.376E+00	-2.127E-03	-1.391E-03	8.672E-05
1136	2	-2.349E-01	-4.592E-01	-2.066E+00	1.399E-03	-1.612E-03	-8.500E-05
1137	1	-2.350E-01	4.585E-01	-1.913E+00	-1.399E-03	-1.390E-03	8.463E-05
1137	2	2.363E-01	-4.587E-01	-1.530E+00	2.127E-03	-1.614E-03	-8.639E-05
1138	1	2.421E-01	5.145E-01	-3.807E-01	-2.045E-03	-2.299E-03	1.852E-04
1138	2	-2.428E-01	-5.153E-01	-9.583E-01	1.485E-03	-2.521E-03	-2.024E-04
1139	1	-2.429E-01	5.148E-01	-9.180E-01	-1.485E-03	-2.298E-03	2.054E-04
1139	2	2.421E-01	-5.140E-01	-4.210E-01	2.045E-03	-2.522E-03	-1.883E-04
1140	1	2.445E-01	5.538E-01	5.530E-02	-1.864E-03	-2.380E-03	2.694E-04
1140	2	-2.463E-01	-5.589E-01	-4.823E-01	1.666E-03	-2.601E-03	-2.936E-04
1141	1	-2.463E-01	5.588E-01	-4.823E-01	-1.666E-03	-2.379E-03	2.960E-04
1141	2	2.445E-01	-5.537E-01	5.527E-02	1.864E-03	-2.603E-03	-2.718E-04
1142	1	2.443E-01	5.725E-01	2.195E-01	-1.864E-03	-2.380E-03	2.695E-04
1142	2	-2.465E-01	-5.793E-01	-3.029E-01	1.666E-03	-2.601E-03	-2.937E-04
1143	1	-2.465E-01	5.794E-01	-3.182E-01	-1.666E-03	-2.379E-03	2.960E-04
1143	2	2.442E-01	-5.726E-01	2.348E-01	1.864E-03	-2.602E-03	-2.718E-04
1144	1	2.570E-01	6.136E-01	2.197E-01	-1.866E-03	2.383E-03	3.026E-03
1144	2	-2.555E-01	-6.206E-01	-3.029E-01	1.668E-03	2.601E-03	-3.002E-03
1145	1	-2.555E-01	6.207E-01	-3.181E-01	-1.668E-03	2.380E-03	3.000E-03
1145	2	2.569E-01	-6.137E-01	2.349E-01	1.866E-03	2.604E-03	-3.024E-03
1146	1	2.572E-01	8.226E-01	5.530E-02	-1.866E-03	2.383E-03	3.026E-03
1146	2	-2.553E-01	-8.279E-01	-4.823E-01	1.668E-03	2.601E-03	-3.002E-03
1147	1	-2.553E-01	8.278E-01	-4.823E-01	-1.668E-03	2.380E-03	3.000E-03
1147	2	2.572E-01	-8.226E-01	5.527E-02	1.866E-03	2.604E-03	-3.024E-03
1148	1	2.606E-01	1.381E+00	-3.811E-01	-2.044E-03	2.302E-03	3.110E-03
1148	2	-2.576E-01	-1.381E+00	-9.582E-01	1.485E-03	2.520E-03	-3.094E-03
1149	1	-2.577E-01	1.381E+00	-9.182E-01	-1.485E-03	2.299E-03	3.091E-03
1149	2	2.606E-01	-1.380E+00	-4.212E-01	2.044E-03	2.523E-03	-3.107E-03
1150	1	2.684E-01	3.005E+00	-1.378E+00	-2.123E-03	1.394E-03	3.208E-03
1150	2	-2.635E-01	-3.005E+00	-2.066E+00	1.395E-03	1.612E-03	-3.211E-03
1151	1	-2.636E-01	3.004E+00	-1.913E+00	-1.395E-03	1.391E-03	3.212E-03
1151	2	2.686E-01	-3.004E+00	-1.531E+00	2.123E-03	1.615E-03	-3.209E-03
1152	1	2.744E-01	4.637E+00	-1.726E+00	-2.161E-03	-1.074E-04	3.140E-03
1152	2	-2.686E-01	-4.638E+00	-2.525E+00	1.348E-03	1.106E-04	-3.140E-03
1153	1	-2.689E-01	4.637E+00	-2.260E+00	-1.348E-03	-1.104E-04	3.140E-03
1153	2	2.746E-01	-4.637E+00	-1.991E+00	2.161E-03	1.136E-04	-3.140E-03
1154	1	2.783E-01	6.203E+00	-1.268E+00	-2.113E-03	-1.609E-03	2.963E-03
1154	2	-2.733E-01	-6.203E+00	-2.179E+00	1.385E-03	-1.391E-03	-2.964E-03
1155	1	-2.737E-01	6.202E+00	-1.801E+00	-1.385E-03	-1.612E-03	2.963E-03
1155	2	2.787E-01	-6.202E+00	-1.646E+00	2.113E-03	-1.388E-03	-2.963E-03
1156	1	2.806E-01	7.661E+00	-1.623E-01	-2.024E-03	-2.517E-03	2.745E-03

1156	2	-2.776E-01	-7.661E+00	-1.184E+00	1.465E-03	-2.299E-03	-2.745E-03
1157	1	-2.781E-01	7.661E+00	-6.933E-01	-1.465E-03	-2.520E-03	2.748E-03
1157	2	2.810E-01	-7.661E+00	-6.527E-01	2.024E-03	-2.296E-03	-2.748E-03
1158	1	2.809E-01	8.152E+00	3.131E-01	-1.842E-03	-2.598E-03	2.677E-03
1158	2	-2.790E-01	-8.152E+00	-7.479E-01	1.644E-03	-2.379E-03	-2.677E-03
1159	1	-2.795E-01	8.152E+00	-2.174E-01	-1.644E-03	-2.600E-03	2.679E-03
1159	2	2.815E-01	-8.152E+00	-2.174E-01	1.842E-03	-2.377E-03	-2.679E-03
1160	1	2.809E-01	8.337E+00	4.922E-01	-1.842E-03	-2.597E-03	2.677E-03
1160	2	-2.790E-01	-8.337E+00	-5.838E-01	1.644E-03	-2.379E-03	-2.677E-03
1161	1	-2.795E-01	8.337E+00	-3.808E-02	-1.644E-03	-2.600E-03	2.679E-03
1161	2	2.815E-01	-8.337E+00	-5.347E-02	1.842E-03	-2.376E-03	-2.679E-03
1162	1	-1.579E-01	6.313E+00	5.262E-01	-1.945E-03	2.558E-03	-1.866E-03
1162	2	1.561E-01	-6.313E+00	-6.136E-01	1.747E-03	2.325E-03	1.865E-03
1163	1	1.556E-01	6.313E+00	-3.559E-02	-1.747E-03	2.559E-03	-1.868E-03
1163	2	-1.573E-01	-6.313E+00	-5.180E-02	1.945E-03	2.324E-03	1.868E-03
1164	1	-1.579E-01	6.185E+00	3.498E-01	-1.945E-03	2.558E-03	-1.866E-03
1164	2	1.561E-01	-6.184E+00	-7.740E-01	1.747E-03	2.326E-03	1.865E-03
1165	1	1.556E-01	6.184E+00	-2.121E-01	-1.747E-03	2.560E-03	-1.868E-03
1165	2	-1.573E-01	-6.184E+00	-2.121E-01	1.945E-03	2.324E-03	1.868E-03
1166	1	-1.565E-01	5.841E+00	-1.183E-01	-2.127E-03	2.478E-03	-1.934E-03
1166	2	1.557E-01	-5.841E+00	-1.200E+00	1.567E-03	2.246E-03	1.933E-03
1167	1	1.552E-01	5.840E+00	-6.805E-01	-1.567E-03	2.480E-03	-1.936E-03
1167	2	-1.559E-01	-5.840E+00	-6.378E-01	2.127E-03	2.244E-03	1.937E-03
1168	1	-1.521E-01	4.798E+00	-1.208E+00	-2.213E-03	1.586E-03	-2.152E-03
1168	2	1.533E-01	-4.797E+00	-2.171E+00	1.486E-03	1.354E-03	2.151E-03
1169	1	1.529E-01	4.797E+00	-1.771E+00	-1.486E-03	1.588E-03	-2.151E-03
1169	2	-1.516E-01	-4.797E+00	-1.608E+00	2.213E-03	1.352E-03	2.152E-03
1170	1	-1.472E-01	3.648E+00	-1.661E+00	-2.258E-03	1.165E-04	-2.329E-03
1170	2	1.492E-01	-3.648E+00	-2.506E+00	1.446E-03	-1.161E-04	2.328E-03
1171	1	1.490E-01	3.647E+00	-2.225E+00	-1.446E-03	1.180E-04	-2.328E-03
1171	2	-1.469E-01	-3.647E+00	-1.942E+00	2.258E-03	-1.176E-04	2.329E-03
1172	1	-1.420E-01	2.431E+00	-1.327E+00	-2.219E-03	-1.353E-03	-2.398E-03
1172	2	1.432E-01	-2.430E+00	-2.053E+00	1.491E-03	-1.586E-03	2.399E-03
1173	1	1.430E-01	2.430E+00	-1.891E+00	-1.491E-03	-1.352E-03	-2.400E-03
1173	2	-1.418E-01	-2.430E+00	-1.488E+00	2.219E-03	-1.587E-03	2.398E-03
1174	1	-1.360E-01	1.221E+00	-3.557E-01	-2.137E-03	-2.245E-03	-2.299E-03
1174	2	1.352E-01	-1.222E+00	-9.635E-01	1.578E-03	-2.478E-03	2.282E-03
1175	1	1.352E-01	1.222E+00	-9.211E-01	-1.578E-03	-2.244E-03	-2.279E-03
1175	2	-1.360E-01	-1.221E+00	-3.981E-01	2.137E-03	-2.480E-03	2.296E-03
1176	1	-1.336E-01	8.111E-01	7.026E-02	-1.957E-03	-2.325E-03	-2.215E-03
1176	2	1.318E-01	-8.161E-01	-4.954E-01	1.758E-03	-2.558E-03	2.191E-03
1177	1	1.319E-01	8.161E-01	-4.954E-01	-1.758E-03	-2.324E-03	-2.188E-03
1177	2	-1.336E-01	-8.110E-01	7.023E-02	1.957E-03	-2.559E-03	2.212E-03
1178	1	-1.338E-01	6.585E-01	2.306E-01	-1.957E-03	-2.325E-03	-2.215E-03
1178	2	1.316E-01	-6.652E-01	-3.190E-01	1.758E-03	-2.558E-03	2.191E-03
1179	1	1.316E-01	6.653E-01	-3.351E-01	-1.758E-03	-2.324E-03	-2.188E-03
1179	2	-1.338E-01	-6.586E-01	2.467E-01	1.957E-03	-2.559E-03	2.212E-03
1180	1	-1.212E-01	6.375E-01	2.306E-01	-1.958E-03	2.324E-03	5.419E-04
1180	2	1.225E-01	-6.443E-01	-3.193E-01	1.760E-03	2.554E-03	-5.180E-04
1181	1	1.226E-01	6.444E-01	-3.353E-01	-1.760E-03	2.321E-03	5.156E-04
1181	2	-1.212E-01	-6.376E-01	2.466E-01	1.958E-03	2.557E-03	-5.397E-04
1182	1	-1.209E-01	6.751E-01	7.026E-02	-1.958E-03	2.324E-03	5.419E-04
1182	2	1.228E-01	-6.802E-01	-4.954E-01	1.760E-03	2.554E-03	-5.181E-04
1183	1	1.228E-01	6.802E-01	-4.954E-01	-1.760E-03	2.321E-03	5.156E-04
1183	2	-1.209E-01	-6.750E-01	7.023E-02	1.958E-03	2.557E-03	-5.397E-04
1184	1	-1.176E-01	7.835E-01	-3.555E-01	-2.136E-03	2.245E-03	6.257E-04
1184	2	1.204E-01	-7.843E-01	-9.628E-01	1.577E-03	2.474E-03	-6.098E-04
1185	1	1.204E-01	7.837E-01	-9.206E-01	-1.577E-03	2.242E-03	6.065E-04
1185	2	-1.175E-01	-7.830E-01	-3.977E-01	2.136E-03	2.477E-03	-6.228E-04
1186	1	-1.097E-01	1.143E+00	-1.326E+00	-2.215E-03	1.352E-03	7.240E-04
1186	2	1.146E-01	-1.143E+00	-2.050E+00	1.487E-03	1.582E-03	-7.274E-04
1187	1	1.145E-01	1.142E+00	-1.890E+00	-1.487E-03	1.349E-03	7.275E-04

1187	2	-1.095E-01	-1.143E+00	-1.487E+00	2.215E-03	1.585E-03	-7.245E-04
1188	1	-1.038E-01	1.509E+00	-1.660E+00	-2.252E-03	-1.173E-04	6.555E-04
1188	2	1.094E-01	-1.509E+00	-2.501E+00	1.440E-03	1.122E-04	-6.563E-04
1189	1	1.092E-01	1.508E+00	-2.222E+00	-1.440E-03	-1.204E-04	6.561E-04
1189	2	-1.035E-01	-1.508E+00	-1.939E+00	2.252E-03	1.153E-04	-6.557E-04
1190	1	-9.987E-02	1.808E+00	-1.206E+00	-2.205E-03	-1.587E-03	4.788E-04
1190	2	1.047E-01	-1.808E+00	-2.165E+00	1.477E-03	-1.357E-03	-4.797E-04
1191	1	1.044E-01	1.807E+00	-1.767E+00	-1.477E-03	-1.590E-03	4.792E-04
1191	2	-9.946E-02	-1.807E+00	-1.604E+00	2.205E-03	-1.354E-03	-4.787E-04
1192	1	-9.759E-02	2.001E+00	-1.164E-01	-2.116E-03	-2.479E-03	2.605E-04
1192	2	1.004E-01	-2.002E+00	-1.191E+00	1.556E-03	-2.250E-03	-2.613E-04
1193	1	9.994E-02	2.001E+00	-6.753E-01	-1.556E-03	-2.482E-03	2.640E-04
1193	2	-9.705E-02	-2.001E+00	-6.326E-01	2.116E-03	-2.247E-03	-2.635E-04
1194	1	-9.720E-02	2.043E+00	3.518E-01	-1.934E-03	-2.559E-03	1.927E-04
1194	2	9.906E-02	-2.043E+00	-7.648E-01	1.735E-03	-2.329E-03	-1.931E-04
1195	1	9.853E-02	2.043E+00	-2.065E-01	-1.735E-03	-2.562E-03	1.950E-04
1195	2	-9.662E-02	-2.043E+00	-2.064E-01	1.934E-03	-2.326E-03	-1.950E-04
1196	1	-9.720E-02	2.056E+00	5.283E-01	-1.934E-03	-2.559E-03	1.928E-04
1196	2	9.906E-02	-2.056E+00	-6.041E-01	1.735E-03	-2.329E-03	-1.932E-04
1197	1	9.853E-02	2.056E+00	-2.978E-02	-1.735E-03	-2.562E-03	1.950E-04
1197	2	-9.662E-02	-2.056E+00	-4.598E-02	1.934E-03	-2.326E-03	-1.950E-04
1198	1	1.200E+00	-1.638E+01	5.610E-01	-2.038E-03	2.567E-03	7.053E-03
1198	2	-1.201E+00	1.638E+01	-6.367E-01	1.840E-03	2.323E-03	-7.053E-03
1199	1	-1.202E+00	-1.638E+01	-2.932E-02	-1.840E-03	2.568E-03	7.051E-03
1199	2	1.200E+00	1.638E+01	-4.636E-02	2.038E-03	2.321E-03	-7.051E-03
1200	1	1.200E+00	-1.589E+01	3.839E-01	-2.038E-03	2.567E-03	7.053E-03
1200	2	-1.201E+00	1.589E+01	-7.969E-01	1.840E-03	2.323E-03	-7.054E-03
1201	1	-1.202E+00	-1.589E+01	-2.065E-01	-1.840E-03	2.569E-03	7.051E-03
1201	2	1.200E+00	1.589E+01	-2.064E-01	2.038E-03	2.321E-03	-7.051E-03
1202	1	1.201E+00	-1.462E+01	-8.577E-02	-2.220E-03	2.487E-03	6.985E-03
1202	2	-1.202E+00	1.462E+01	-1.222E+00	1.661E-03	2.243E-03	-6.986E-03
1203	1	-1.202E+00	-1.462E+01	-6.765E-01	-1.661E-03	2.489E-03	6.983E-03
1203	2	1.202E+00	1.462E+01	-6.316E-01	2.220E-03	2.241E-03	-6.982E-03
1204	1	1.205E+00	-1.112E+01	-1.180E+00	-2.307E-03	1.595E-03	6.767E-03
1204	2	-1.204E+00	1.112E+01	-2.192E+00	1.579E-03	1.351E-03	-6.767E-03
1205	1	-1.205E+00	-1.112E+01	-1.771E+00	-1.579E-03	1.597E-03	6.768E-03
1205	2	1.206E+00	1.112E+01	-1.600E+00	2.307E-03	1.349E-03	-6.767E-03
1206	1	1.210E+00	-7.724E+00	-1.638E+00	-2.352E-03	1.253E-04	6.590E-03
1206	2	-1.208E+00	7.724E+00	-2.525E+00	1.540E-03	-1.190E-04	-6.591E-03
1207	1	-1.209E+00	-7.725E+00	-2.230E+00	-1.540E-03	1.270E-04	6.591E-03
1207	2	1.211E+00	7.725E+00	-1.933E+00	2.352E-03	-1.206E-04	-6.590E-03
1208	1	1.215E+00	-4.393E+00	-1.308E+00	-2.313E-03	-1.344E-03	6.521E-03
1208	2	-1.214E+00	4.393E+00	-2.071E+00	1.585E-03	-1.589E-03	-6.520E-03
1209	1	-1.214E+00	-4.394E+00	-1.901E+00	-1.585E-03	-1.343E-03	6.519E-03
1209	2	1.216E+00	4.393E+00	-1.477E+00	2.313E-03	-1.590E-03	-6.521E-03
1210	1	1.221E+00	-1.062E+00	-3.412E-01	-2.231E-03	-2.237E-03	6.620E-03
1210	2	-1.222E+00	1.061E+00	-9.799E-01	1.672E-03	-2.481E-03	-6.637E-03
1211	1	-1.222E+00	-1.062E+00	-9.354E-01	-1.672E-03	-2.235E-03	6.640E-03
1211	2	1.222E+00	1.063E+00	-3.858E-01	2.231E-03	-2.483E-03	-6.623E-03
1212	1	1.224E+00	1.418E-01	8.312E-02	-2.051E-03	-2.316E-03	6.704E-03
1212	2	-1.226E+00	-1.469E-01	-5.113E-01	1.853E-03	-2.561E-03	-6.728E-03
1213	1	-1.226E+00	1.468E-01	-5.113E-01	-1.853E-03	-2.315E-03	6.730E-03
1213	2	1.224E+00	-1.418E-01	8.309E-02	2.051E-03	-2.562E-03	-6.707E-03
1214	1	1.224E+00	6.046E-01	2.429E-01	-2.051E-03	-2.316E-03	6.704E-03
1214	2	-1.226E+00	-6.113E-01	-3.347E-01	1.853E-03	-2.561E-03	-6.728E-03
1215	1	-1.226E+00	6.114E-01	-3.517E-01	-1.853E-03	-2.315E-03	6.730E-03
1215	2	1.224E+00	-6.047E-01	2.598E-01	2.051E-03	-2.562E-03	-6.707E-03
1216	1	1.236E+00	8.066E-01	2.431E-01	-2.053E-03	2.320E-03	9.461E-03
1216	2	-1.235E+00	-8.135E-01	-3.347E-01	1.854E-03	2.561E-03	-9.437E-03
1217	1	-1.235E+00	8.136E-01	-3.515E-01	-1.854E-03	2.316E-03	9.434E-03
1217	2	1.236E+00	-8.067E-01	2.600E-01	2.053E-03	2.564E-03	-9.459E-03
1218	1	1.237E+00	1.460E+00	8.313E-02	-2.053E-03	2.320E-03	9.461E-03

1218	2	-1.235E+00	-1.465E+00	-5.113E-01	1.854E-03	2.561E-03	-9.437E-03
1219	1	-1.235E+00	1.465E+00	-5.113E-01	-1.854E-03	2.316E-03	9.434E-03
1219	2	1.237E+00	-1.460E+00	8.310E-02	2.053E-03	2.564E-03	-9.459E-03
1220	1	1.240E+00	3.182E+00	-3.418E-01	-2.231E-03	2.240E-03	9.545E-03
1220	2	-1.237E+00	-3.183E+00	-9.800E-01	1.671E-03	2.481E-03	-9.529E-03
1221	1	-1.237E+00	3.183E+00	-9.357E-01	-1.671E-03	2.237E-03	9.525E-03
1221	2	1.240E+00	-3.182E+00	-3.861E-01	2.231E-03	2.485E-03	-9.542E-03
1222	1	1.248E+00	8.082E+00	-1.310E+00	-2.310E-03	1.348E-03	9.643E-03
1222	2	-1.243E+00	-8.082E+00	-2.071E+00	1.582E-03	1.589E-03	-9.646E-03
1223	1	-1.243E+00	8.081E+00	-1.902E+00	-1.582E-03	1.344E-03	9.646E-03
1223	2	1.248E+00	-8.081E+00	-1.479E+00	2.310E-03	1.592E-03	-9.643E-03
1224	1	1.254E+00	1.300E+01	-1.642E+00	-2.346E-03	-1.219E-04	9.574E-03
1224	2	-1.248E+00	-1.300E+01	-2.526E+00	1.534E-03	1.193E-04	-9.575E-03
1225	1	-1.248E+00	1.300E+01	-2.232E+00	-1.534E-03	-1.251E-04	9.575E-03
1225	2	1.254E+00	-1.300E+01	-1.935E+00	2.346E-03	1.225E-04	-9.575E-03
1226	1	1.258E+00	1.784E+01	-1.186E+00	-2.299E-03	-1.592E-03	9.398E-03
1226	2	-1.253E+00	-1.784E+01	-2.193E+00	1.571E-03	-1.350E-03	-9.399E-03
1227	1	-1.253E+00	1.784E+01	-1.775E+00	-1.571E-03	-1.595E-03	9.398E-03
1227	2	1.258E+00	-1.784E+01	-1.604E+00	2.299E-03	-1.347E-03	-9.398E-03
1228	1	1.260E+00	2.258E+01	-9.333E-02	-2.209E-03	-2.484E-03	9.179E-03
1228	2	-1.257E+00	-2.258E+01	-1.223E+00	1.650E-03	-2.243E-03	-9.180E-03
1229	1	-1.258E+00	2.258E+01	-6.807E-01	-1.650E-03	-2.487E-03	9.183E-03
1229	2	1.260E+00	-2.258E+01	-6.358E-01	2.209E-03	-2.240E-03	-9.182E-03
1230	1	1.260E+00	2.423E+01	3.758E-01	-2.027E-03	-2.564E-03	9.112E-03
1230	2	-1.258E+00	-2.423E+01	-7.978E-01	1.829E-03	-2.322E-03	-9.112E-03
1231	1	-1.259E+00	2.423E+01	-2.110E-01	-1.829E-03	-2.567E-03	9.114E-03
1231	2	1.261E+00	-2.423E+01	-2.110E-01	2.027E-03	-2.319E-03	-9.114E-03
1232	1	1.260E+00	2.486E+01	5.526E-01	-2.027E-03	-2.563E-03	9.112E-03
1232	2	-1.258E+00	-2.486E+01	-6.376E-01	1.829E-03	-2.322E-03	-9.112E-03
1233	1	-1.259E+00	2.486E+01	-3.399E-02	-1.829E-03	-2.567E-03	9.114E-03
1233	2	1.261E+00	-2.486E+01	-5.102E-02	2.027E-03	-2.319E-03	-9.114E-03
1234	1	-1.847E-01	6.577E+00	4.272E-01	-1.621E-03	2.536E-03	-2.042E-03
1234	2	1.825E-01	-6.569E+00	-5.127E-01	1.423E-03	2.344E-03	2.039E-03
1235	1	1.825E-01	6.577E+00	-3.604E-02	-1.423E-03	2.537E-03	-2.044E-03
1235	2	-1.838E-01	-6.569E+00	-4.939E-02	1.621E-03	2.343E-03	2.041E-03
1236	1	-1.847E-01	6.436E+00	2.523E-01	-1.621E-03	2.536E-03	-2.042E-03
1236	2	1.825E-01	-6.428E+00	-6.743E-01	1.423E-03	2.344E-03	2.039E-03
1237	1	1.825E-01	6.436E+00	-2.110E-01	-1.423E-03	2.537E-03	-2.044E-03
1237	2	-1.838E-01	-6.428E+00	-2.110E-01	1.621E-03	2.343E-03	2.041E-03
1238	1	-1.833E-01	6.060E+00	-2.118E-01	-1.803E-03	2.456E-03	-2.111E-03
1238	2	1.821E-01	-6.053E+00	-1.104E+00	1.243E-03	2.264E-03	2.107E-03
1239	1	1.821E-01	6.060E+00	-6.753E-01	-1.243E-03	2.457E-03	-2.113E-03
1239	2	-1.824E-01	-6.052E+00	-6.401E-01	1.803E-03	2.263E-03	2.110E-03
1240	1	-1.789E-01	4.927E+00	-1.290E+00	-1.889E-03	1.564E-03	-2.329E-03
1240	2	1.797E-01	-4.921E+00	-2.084E+00	1.161E-03	1.372E-03	2.325E-03
1241	1	1.798E-01	4.926E+00	-1.754E+00	-1.161E-03	1.565E-03	-2.328E-03
1241	2	-1.781E-01	-4.921E+00	-1.620E+00	1.889E-03	1.371E-03	2.326E-03
1242	1	-1.741E-01	3.687E+00	-1.732E+00	-1.933E-03	9.428E-05	-2.506E-03
1242	2	1.756E-01	-3.683E+00	-2.428E+00	1.121E-03	-9.759E-05	2.502E-03
1243	1	1.759E-01	3.686E+00	-2.197E+00	-1.121E-03	9.544E-05	-2.505E-03
1243	2	-1.734E-01	-3.682E+00	-1.964E+00	1.933E-03	-9.875E-05	2.503E-03
1244	1	-1.688E-01	2.379E+00	-1.386E+00	-1.893E-03	-1.375E-03	-2.574E-03
1244	2	1.696E-01	-2.377E+00	-1.985E+00	1.165E-03	-1.567E-03	2.573E-03
1245	1	1.700E-01	2.379E+00	-1.851E+00	-1.165E-03	-1.374E-03	-2.576E-03
1245	2	-1.682E-01	-2.376E+00	-1.519E+00	1.893E-03	-1.568E-03	2.571E-03
1246	1	-1.629E-01	1.080E+00	-4.039E-01	-1.810E-03	-2.268E-03	-2.476E-03
1246	2	1.617E-01	-1.080E+00	-9.048E-01	1.251E-03	-2.460E-03	2.456E-03
1247	1	1.621E-01	1.080E+00	-8.698E-01	-1.251E-03	-2.267E-03	-2.456E-03
1247	2	-1.624E-01	-1.079E+00	-4.389E-01	1.810E-03	-2.461E-03	2.469E-03
1248	1	-1.605E-01	6.376E-01	2.605E-02	-1.630E-03	-2.347E-03	-2.391E-03
1248	2	1.583E-01	-6.424E-01	-4.401E-01	1.431E-03	-2.539E-03	2.364E-03
1249	1	1.587E-01	6.426E-01	-4.401E-01	-1.431E-03	-2.346E-03	-2.365E-03

1249	2	-1.600E-01	-6.373E-01	2.602E-02	1.630E-03	-2.540E-03	2.386E-03
1250	1	-1.607E-01	4.728E-01	1.879E-01	-1.630E-03	-2.347E-03	-2.391E-03
1250	2	1.580E-01	-4.794E-01	-2.649E-01	1.431E-03	-2.539E-03	2.364E-03
1251	1	1.585E-01	4.796E-01	-2.782E-01	-1.431E-03	-2.346E-03	-2.365E-03
1251	2	-1.603E-01	-4.728E-01	2.012E-01	1.630E-03	-2.540E-03	2.386E-03
1252	1	-1.481E-01	4.474E-01	1.877E-01	-1.631E-03	2.343E-03	3.652E-04
1252	2	1.490E-01	-4.543E-01	-2.654E-01	1.433E-03	2.532E-03	-3.443E-04
1253	1	1.495E-01	4.543E-01	-2.786E-01	-1.433E-03	2.341E-03	3.389E-04
1253	2	-1.476E-01	-4.475E-01	2.009E-01	1.631E-03	2.535E-03	-3.660E-04
1254	1	-1.478E-01	4.727E-01	2.605E-02	-1.631E-03	2.343E-03	3.653E-04
1254	2	1.492E-01	-4.782E-01	-4.401E-01	1.433E-03	2.532E-03	-3.444E-04
1255	1	1.497E-01	4.778E-01	-4.401E-01	-1.433E-03	2.341E-03	3.389E-04
1255	2	-1.473E-01	-4.729E-01	2.602E-02	1.631E-03	2.535E-03	-3.660E-04
1256	1	-1.445E-01	5.491E-01	-4.032E-01	-1.810E-03	2.264E-03	4.490E-04
1256	2	1.468E-01	-5.507E-01	-9.035E-01	1.250E-03	2.453E-03	-4.361E-04
1257	1	1.473E-01	5.494E-01	-8.688E-01	-1.250E-03	2.261E-03	4.299E-04
1257	2	-1.439E-01	-5.494E-01	-4.379E-01	1.810E-03	2.455E-03	-4.491E-04
1258	1	-1.366E-01	8.187E-01	-1.383E+00	-1.889E-03	1.371E-03	5.473E-04
1258	2	1.410E-01	-8.209E-01	-1.980E+00	1.161E-03	1.560E-03	-5.537E-04
1259	1	1.414E-01	8.177E-01	-1.848E+00	-1.161E-03	1.369E-03	5.509E-04
1259	2	-1.360E-01	-8.204E-01	-1.516E+00	1.889E-03	1.563E-03	-5.508E-04
1260	1	-1.307E-01	1.094E+00	-1.727E+00	-1.927E-03	-9.821E-05	4.788E-04
1260	2	1.358E-01	-1.098E+00	-2.420E+00	1.115E-03	9.065E-05	-4.826E-04
1261	1	1.361E-01	1.093E+00	-2.190E+00	-1.115E-03	-1.009E-04	4.795E-04
1261	2	-1.300E-01	-1.097E+00	-1.957E+00	1.927E-03	9.334E-05	-4.820E-04
1262	1	-1.267E-01	1.303E+00	-1.283E+00	-1.880E-03	-1.568E-03	3.021E-04
1262	2	1.311E-01	-1.308E+00	-2.072E+00	1.152E-03	-1.379E-03	-3.060E-04
1263	1	1.313E-01	1.302E+00	-1.745E+00	-1.152E-03	-1.570E-03	3.025E-04
1263	2	-1.259E-01	-1.307E+00	-1.611E+00	1.880E-03	-1.376E-03	-3.050E-04
1264	1	-1.244E-01	1.406E+00	-2.030E-01	-1.792E-03	-2.460E-03	8.382E-05
1264	2	1.268E-01	-1.413E+00	-1.088E+00	1.232E-03	-2.271E-03	-8.756E-05
1265	1	1.269E-01	1.406E+00	-6.632E-01	-1.232E-03	-2.463E-03	8.726E-05
1265	2	-1.235E-01	-1.413E+00	-6.281E-01	1.792E-03	-2.269E-03	-8.983E-05
1266	1	-1.240E-01	1.416E+00	2.618E-01	-1.610E-03	-2.540E-03	1.603E-05
1266	2	1.254E-01	-1.423E+00	-6.577E-01	1.412E-03	-2.351E-03	-1.939E-05
1267	1	1.255E-01	1.415E+00	-1.980E-01	-1.412E-03	-2.542E-03	1.830E-05
1267	2	-1.231E-01	-1.423E+00	-1.980E-01	1.610E-03	-2.348E-03	-2.125E-05
1268	1	-1.240E-01	1.417E+00	4.370E-01	-1.610E-03	-2.540E-03	1.610E-05
1268	2	1.254E-01	-1.425E+00	-4.955E-01	1.412E-03	-2.351E-03	-1.945E-05
1269	1	1.255E-01	1.417E+00	-2.260E-02	-1.412E-03	-2.542E-03	1.830E-05
1269	2	-1.231E-01	-1.425E+00	-3.598E-02	1.610E-03	-2.348E-03	-2.125E-05
1270	1	-6.821E-02	3.639E+00	-3.137E-02	-5.100E-05	2.415E-03	-1.110E-03
1270	2	1.522E-02	-3.639E+00	-3.186E-02	-1.472E-04	2.408E-03	1.110E-03
1271	1	1.520E-02	3.639E+00	-1.692E-02	1.472E-04	2.414E-03	-1.112E-03
1271	2	-6.820E-02	-3.639E+00	-4.631E-02	5.099E-05	2.409E-03	1.112E-03
1272	1	-6.821E-02	3.563E+00	-1.980E-01	-5.100E-05	2.415E-03	-1.110E-03
1272	2	1.522E-02	-3.563E+00	-1.980E-01	-1.472E-04	2.408E-03	1.110E-03
1273	1	1.520E-02	3.562E+00	-1.835E-01	1.472E-04	2.414E-03	-1.112E-03
1273	2	-6.820E-02	-3.562E+00	-2.125E-01	5.099E-05	2.409E-03	1.112E-03
1274	1	-6.683E-02	3.355E+00	-6.402E-01	-2.316E-04	2.336E-03	-1.178E-03
1274	2	1.480E-02	-3.355E+00	-6.390E-01	-3.279E-04	2.329E-03	1.178E-03
1275	1	1.478E-02	3.355E+00	-6.256E-01	3.279E-04	2.335E-03	-1.180E-03
1275	2	-6.681E-02	-3.355E+00	-6.536E-01	2.316E-04	2.330E-03	1.181E-03
1276	1	-6.249E-02	2.696E+00	-1.657E+00	-3.145E-04	1.443E-03	-1.397E-03
1276	2	1.243E-02	-2.696E+00	-1.652E+00	-4.135E-04	1.436E-03	1.396E-03
1277	1	1.242E-02	2.695E+00	-1.642E+00	4.135E-04	1.442E-03	-1.396E-03
1277	2	-6.247E-02	-2.695E+00	-1.667E+00	3.145E-04	1.437E-03	1.396E-03
1278	1	-5.773E-02	1.930E+00	-2.037E+00	-3.553E-04	-2.642E-05	-1.573E-03
1278	2	8.417E-03	-1.930E+00	-2.029E+00	-4.569E-04	-3.329E-05	1.572E-03
1279	1	8.409E-03	1.930E+00	-2.022E+00	4.569E-04	-2.724E-05	-1.572E-03
1279	2	-5.772E-02	-1.930E+00	-2.045E+00	3.553E-04	-3.247E-05	1.573E-03
1280	1	-5.254E-02	1.098E+00	-1.630E+00	-3.118E-04	-1.496E-03	-1.643E-03

1280	2	2.423E-03	-1.098E+00	-1.618E+00	-4.162E-04	-1.503E-03	1.642E-03
1281	1	2.418E-03	1.097E+00	-1.614E+00	4.162E-04	-1.497E-03	-1.643E-03
1281	2	-5.253E-02	-1.097E+00	-1.634E+00	3.118E-04	-1.502E-03	1.643E-03
1282	1	-4.667E-02	2.728E-01	-5.863E-01	-2.261E-04	-2.388E-03	-1.535E-03
1282	2	-5.483E-03	-2.728E-01	-5.711E-01	-3.333E-04	-2.395E-03	1.534E-03
1283	1	-5.485E-03	2.723E-01	-5.701E-01	3.334E-04	-2.389E-03	-1.531E-03
1283	2	-4.667E-02	-2.723E-01	-5.874E-01	2.261E-04	-2.394E-03	1.532E-03
1284	1	-4.427E-02	9.846E-04	-1.345E-01	-4.438E-05	-2.468E-03	-1.447E-03
1284	2	-8.870E-03	-9.513E-04	-1.181E-01	-1.538E-04	-2.475E-03	1.447E-03
1285	1	-8.871E-03	8.726E-04	-1.181E-01	1.538E-04	-2.469E-03	-1.445E-03
1285	2	-4.427E-02	-9.060E-04	-1.345E-01	4.438E-05	-2.474E-03	1.445E-03
1286	1	-4.452E-02	-9.883E-02	3.570E-02	-4.438E-05	-2.468E-03	-1.447E-03
1286	2	-9.117E-03	9.888E-02	5.262E-02	-1.538E-04	-2.475E-03	1.447E-03
1287	1	-9.118E-03	-9.882E-02	5.221E-02	1.538E-04	-2.469E-03	-1.445E-03
1287	2	-4.452E-02	9.877E-02	3.612E-02	4.438E-05	-2.474E-03	1.445E-03

FILE: defoc005.bin							
Caso di carico: 5 - Frequente (1xC1 + 1xC2 + 0.9xC3 + 0.3xC5)							
Punto	Sest.	Sx (cm)	Sy (cm)	Sz (cm)	Rx (rad)	Ry (rad)	Rz (rad)
1	1	7.357E-31	-4.369E-31	-1.037E-01	-2.450E-16	6.181E-16	0.000E+00
2	1	8.372E-32	-3.985E-30	-1.065E-01	5.947E-16	1.256E-08	0.000E+00
3	1	-4.573E-30	-2.809E-30	-1.064E-01	-6.253E-17	4.027E-16	0.000E+00
4	1	1.601E-30	7.805E-31	-1.069E-01	3.429E-16	1.256E-08	0.000E+00
5	1	-2.833E-30	2.374E-30	-1.074E-01	-2.072E-19	6.308E-17	0.000E+00
6	1	-2.819E-30	5.317E-30	-1.063E-01	-5.822E-18	1.256E-08	0.000E+00
7	1	3.880E-30	2.609E-30	-1.070E-01	-2.426E-16	2.038E-06	0.000E+00
8	1	-2.284E-30	2.827E-30	-1.075E-01	2.474E-16	1.256E-08	0.000E+00
9	1	-4.725E-30	-7.385E-31	-1.074E-01	4.246E-16	-2.037E-06	0.000E+00
10	1	1.418E-30	-2.395E-30	-1.073E-01	-2.702E-16	1.256E-08	0.000E+00
11	1	-8.373E-31	-6.626E-31	-1.062E-01	1.792E-16	-3.209E-16	0.000E+00
12	1	-4.829E-30	-9.324E-31	-1.075E-01	1.797E-16	1.256E-08	0.000E+00
13	1	-3.803E-31	-6.425E-32	-1.068E-01	8.853E-17	2.943E-16	0.000E+00
14	1	2.316E-30	6.640E-30	-1.065E-01	7.345E-17	1.256E-08	0.000E+00
15	1	1.748E-30	-3.805E-31	-1.049E-01	7.311E-16	-2.936E-16	0.000E+00
100	1	-1.305E-58	-2.267E-59	3.582E-02	-3.159E-05	5.925E-04	0.000E+00
101	1	-1.730E-45	-1.031E-45	-8.708E-03	-4.547E-05	6.040E-04	0.000E+00
102	1	-1.302E-32	-1.686E-32	-5.511E-02	-7.261E-05	6.464E-04	0.000E+00
103	1	-2.519E-43	4.998E-34	-1.093E-01	-9.695E-05	6.801E-04	0.000E+00
104	1	1.302E-32	-2.421E-32	-1.290E-01	-1.002E-04	7.059E-04	0.000E+00
105	1	3.759E-58	5.197E-59	3.257E-02	-1.074E-05	6.005E-04	0.000E+00
106	1	9.460E-46	-1.377E-45	-1.286E-02	-1.136E-05	6.220E-04	0.000E+00
107	1	4.499E-43	-3.125E-32	-6.132E-02	-1.033E-05	6.823E-04	0.000E+00
108	1	2.932E-30	-6.707E-19	-1.192E-01	-8.338E-07	7.219E-04	0.000E+00
109	1	1.479E-42	-1.330E-31	-1.392E-01	-3.282E-07	6.883E-04	0.000E+00
110	1	3.308E-49	-7.313E-50	3.246E-02	1.024E-19	5.918E-04	0.000E+00
111	1	6.166E-45	4.801E-49	-1.217E-02	-1.813E-17	6.004E-04	0.000E+00
112	1	2.604E-32	1.188E-44	-5.848E-02	-3.910E-17	6.330E-04	0.000E+00
113	1	-4.190E-43	-5.967E-45	-1.119E-01	-7.299E-17	6.625E-04	0.000E+00
114	1	-2.604E-32	2.056E-44	-1.314E-01	-8.722E-17	6.995E-04	0.000E+00
115	1	-1.453E-35	7.811E-36	3.257E-02	1.074E-05	6.005E-04	0.000E+00
116	1	9.459E-46	1.377E-45	-1.286E-02	1.136E-05	6.220E-04	0.000E+00
117	1	3.507E-43	3.125E-32	-6.132E-02	1.033E-05	6.823E-04	0.000E+00
118	1	2.286E-30	6.707E-19	-1.192E-01	8.338E-07	7.219E-04	0.000E+00
119	1	1.003E-42	1.330E-31	-1.392E-01	3.282E-07	6.883E-04	0.000E+00
120	1	-2.255E-37	2.444E-37	3.582E-02	3.159E-05	5.925E-04	0.000E+00
121	1	3.023E-36	-1.070E-36	-8.708E-03	4.547E-05	6.040E-04	0.000E+00
122	1	-1.302E-32	1.686E-32	-5.511E-02	7.261E-05	6.464E-04	0.000E+00
123	1	-2.757E-43	-4.998E-34	-1.093E-01	9.695E-05	6.801E-04	0.000E+00
124	1	1.302E-32	2.421E-32	-1.290E-01	1.002E-04	7.059E-04	0.000E+00
125	1	-1.275E-32	-2.370E-32	-1.290E-01	-1.002E-04	-7.059E-04	0.000E+00
126	1	-2.227E-44	4.893E-34	-1.093E-01	-9.696E-05	-6.801E-04	0.000E+00
127	1	1.275E-32	-1.650E-32	-5.511E-02	-7.261E-05	-6.464E-04	0.000E+00

128	1	1.696E-45	3.425E-26	-8.708E-03	-4.547E-05	-6.040E-04	0.000E+00
129	1	2.734E-35	-2.331E-37	3.582E-02	-3.159E-05	-5.924E-04	0.000E+00
130	1	1.081E-43	-1.302E-31	-1.392E-01	-3.369E-07	-6.882E-04	0.000E+00
131	1	2.194E-31	-6.567E-19	-1.192E-01	-8.423E-07	-7.219E-04	0.000E+00
132	1	1.970E-43	-3.060E-32	-6.131E-02	-1.034E-05	-6.823E-04	0.000E+00
133	1	-9.222E-46	-1.346E-45	-1.286E-02	-1.137E-05	-6.220E-04	0.000E+00
134	1	-6.950E-36	-2.840E-37	3.257E-02	-1.075E-05	-6.005E-04	0.000E+00
135	1	2.549E-32	6.107E-44	-1.314E-01	-3.007E-16	-6.995E-04	0.000E+00
136	1	-3.513E-43	4.330E-45	-1.119E-01	-2.700E-16	-6.625E-04	0.000E+00
137	1	-2.549E-32	-6.048E-44	-5.848E-02	-1.719E-16	-6.330E-04	0.000E+00
138	1	-6.012E-45	-1.266E-48	-1.217E-02	-1.030E-16	-6.004E-04	0.000E+00
139	1	1.307E-34	-1.927E-35	3.246E-02	-4.907E-17	-5.918E-04	0.000E+00
140	1	1.341E-42	1.302E-31	-1.392E-01	3.369E-07	-6.882E-04	0.000E+00
141	1	2.792E-30	6.567E-19	-1.192E-01	8.423E-07	-7.219E-04	0.000E+00
142	1	5.940E-43	3.060E-32	-6.131E-02	1.034E-05	-6.823E-04	0.000E+00
143	1	-9.262E-46	1.348E-45	-1.286E-02	1.137E-05	-6.220E-04	0.000E+00
144	1	-1.029E-38	2.462E-38	3.257E-02	1.075E-05	-6.005E-04	0.000E+00
145	1	-1.275E-32	2.370E-32	-1.290E-01	1.002E-04	-7.059E-04	0.000E+00
146	1	-4.024E-43	-4.893E-34	-1.093E-01	9.696E-05	-6.801E-04	0.000E+00
147	1	1.275E-32	1.650E-32	-5.511E-02	7.261E-05	-6.464E-04	0.000E+00
148	1	1.694E-45	1.009E-45	-8.708E-03	4.547E-05	-6.040E-04	0.000E+00
149	1	1.142E-37	1.812E-38	3.582E-02	3.159E-05	-5.924E-04	0.000E+00
200	1	-2.545E-10	1.528E-10	-1.989E-01	5.182E-04	-8.314E-05	0.000E+00
201	1	-2.545E-10	1.132E-10	-1.964E-01	5.097E-04	-9.911E-05	0.000E+00
202	1	-2.545E-10	1.733E-13	-1.897E-01	4.976E-04	1.771E-15	0.000E+00
203	1	-2.545E-10	-1.129E-10	-1.964E-01	5.097E-04	9.911E-05	0.000E+00
204	1	-2.545E-10	-1.524E-10	-1.989E-01	5.182E-04	8.314E-05	0.000E+00
205	1	-2.108E-10	1.528E-10	-1.824E-01	5.340E-04	-7.233E-05	0.000E+00
206	1	-2.108E-10	1.132E-10	-1.803E-01	5.205E-04	-9.539E-05	0.000E+00
207	1	-2.108E-10	1.733E-13	-1.740E-01	4.852E-04	1.766E-15	0.000E+00
208	1	-2.108E-10	-1.129E-10	-1.803E-01	5.205E-04	9.539E-05	0.000E+00
209	1	-2.108E-10	-1.524E-10	-1.824E-01	5.340E-04	7.233E-05	0.000E+00
210	1	-1.671E-10	1.528E-10	-1.660E-01	4.629E-04	-4.495E-05	0.000E+00
211	1	-1.671E-10	1.132E-10	-1.642E-01	4.605E-04	-7.642E-05	0.000E+00
212	1	-1.671E-10	1.733E-13	-1.594E-01	4.146E-04	1.769E-15	0.000E+00
213	1	-1.671E-10	-1.129E-10	-1.642E-01	4.605E-04	7.642E-05	0.000E+00
214	1	-1.671E-10	-1.524E-10	-1.660E-01	4.629E-04	4.495E-05	0.000E+00
215	1	3.202E-13	1.528E-10	-1.328E-01	-9.419E-16	-7.456E-05	0.000E+00
216	1	3.202E-13	1.132E-10	-1.307E-01	-9.772E-16	-6.851E-05	0.000E+00
217	1	3.202E-13	1.733E-13	-1.252E-01	-1.016E-15	1.710E-15	0.000E+00
218	1	3.202E-13	-1.129E-10	-1.307E-01	-1.216E-15	6.851E-05	0.000E+00
219	1	3.202E-13	-1.524E-10	-1.328E-01	-1.256E-15	7.456E-05	0.000E+00
220	1	1.677E-10	1.528E-10	-1.660E-01	-4.629E-04	-4.495E-05	0.000E+00
221	1	1.677E-10	1.132E-10	-1.642E-01	-4.605E-04	-7.642E-05	0.000E+00
222	1	1.677E-10	1.733E-13	-1.594E-01	-4.146E-04	2.139E-15	0.000E+00
223	1	1.677E-10	-1.129E-10	-1.642E-01	-4.605E-04	7.642E-05	0.000E+00
224	1	1.677E-10	-1.524E-10	-1.660E-01	-4.629E-04	4.495E-05	0.000E+00
225	1	2.114E-10	1.528E-10	-1.824E-01	-5.340E-04	-7.233E-05	0.000E+00
226	1	2.114E-10	1.132E-10	-1.803E-01	-5.205E-04	-9.539E-05	0.000E+00
227	1	2.114E-10	1.733E-13	-1.740E-01	-4.852E-04	2.219E-15	0.000E+00
228	1	2.114E-10	-1.129E-10	-1.803E-01	-5.205E-04	9.539E-05	0.000E+00
229	1	2.114E-10	-1.524E-10	-1.824E-01	-5.340E-04	7.233E-05	0.000E+00
230	1	2.551E-10	1.528E-10	-1.989E-01	-5.182E-04	-8.314E-05	0.000E+00
231	1	2.551E-10	1.132E-10	-1.964E-01	-5.097E-04	-9.911E-05	0.000E+00
232	1	2.551E-10	1.733E-13	-1.897E-01	-4.976E-04	2.290E-15	0.000E+00
233	1	2.551E-10	-1.129E-10	-1.964E-01	-5.097E-04	9.911E-05	0.000E+00
234	1	2.551E-10	-1.524E-10	-1.989E-01	-5.182E-04	8.314E-05	0.000E+00
235	1	-1.088E-04	1.218E-03	-2.151E-01	4.980E-04	-8.503E-05	0.000E+00
236	1	-2.106E-04	1.249E-03	-2.126E-01	4.896E-04	-9.930E-05	0.000E+00
237	1	7.163E-06	5.822E-04	-2.060E-01	4.811E-04	-1.730E-07	0.000E+00
238	1	2.213E-04	1.258E-03	-2.126E-01	4.891E-04	9.914E-05	0.000E+00
239	1	1.172E-04	1.223E-03	-2.151E-01	4.974E-04	8.501E-05	0.000E+00

240	1	-1.424E-04	1.085E-03	-1.993E-01	5.148E-04	-7.380E-05	0.000E+00
241	1	-8.991E-05	1.343E-03	-1.971E-01	4.982E-04	-9.609E-05	0.000E+00
242	1	5.156E-06	4.852E-04	-1.908E-01	4.716E-04	-7.034E-08	0.000E+00
243	1	1.005E-04	1.354E-03	-1.971E-01	4.975E-04	9.604E-05	0.000E+00
244	1	1.539E-04	1.087E-03	-1.992E-01	5.143E-04	7.379E-05	0.000E+00
245	1	-1.118E-04	8.663E-04	-1.834E-01	4.529E-04	-4.625E-05	0.000E+00
246	1	-6.750E-05	8.356E-04	-1.815E-01	4.506E-04	-7.750E-05	0.000E+00
247	1	4.793E-06	5.021E-04	-1.766E-01	4.048E-04	1.019E-08	0.000E+00
248	1	7.888E-05	8.347E-04	-1.815E-01	4.504E-04	7.753E-05	0.000E+00
249	1	1.243E-04	8.624E-04	-1.834E-01	4.527E-04	4.627E-05	0.000E+00
250	1	-2.211E-05	1.505E-05	-1.507E-01	3.953E-15	-7.615E-05	0.000E+00
251	1	2.815E-06	1.115E-05	-1.486E-01	3.923E-15	-6.971E-05	0.000E+00
252	1	1.432E-05	-9.901E-13	-1.431E-01	3.703E-15	4.972E-08	0.000E+00
253	1	2.710E-05	-1.115E-05	-1.486E-01	3.959E-15	6.979E-05	0.000E+00
254	1	5.291E-05	-1.505E-05	-1.507E-01	3.985E-15	7.625E-05	0.000E+00
255	1	-7.876E-05	-8.363E-04	-1.834E-01	-4.529E-04	-4.625E-05	0.000E+00
256	1	-3.449E-05	-8.133E-04	-1.815E-01	-4.506E-04	-7.750E-05	0.000E+00
257	1	3.781E-05	-5.021E-04	-1.766E-01	-4.048E-04	1.019E-08	0.000E+00
258	1	1.119E-04	-8.570E-04	-1.815E-01	-4.504E-04	7.753E-05	0.000E+00
259	1	1.573E-04	-8.924E-04	-1.834E-01	-4.527E-04	4.627E-05	0.000E+00
260	1	-1.008E-04	-1.055E-03	-1.993E-01	-5.148E-04	-7.380E-05	0.000E+00
261	1	-4.827E-05	-1.321E-03	-1.971E-01	-4.982E-04	-9.609E-05	0.000E+00
262	1	4.679E-05	-4.852E-04	-1.908E-01	-4.716E-04	-7.034E-08	0.000E+00
263	1	1.422E-04	-1.376E-03	-1.971E-01	-4.975E-04	9.604E-05	0.000E+00
264	1	1.956E-04	-1.117E-03	-1.992E-01	-5.143E-04	7.379E-05	0.000E+00
265	1	-5.853E-05	-1.188E-03	-2.151E-01	-4.980E-04	-8.503E-05	0.000E+00
266	1	-1.603E-04	-1.226E-03	-2.126E-01	-4.896E-04	-9.930E-05	0.000E+00
267	1	5.741E-05	-5.822E-04	-2.060E-01	-4.811E-04	-1.730E-07	0.000E+00
268	1	2.715E-04	-1.280E-03	-2.126E-01	-4.891E-04	9.914E-05	0.000E+00
269	1	1.674E-04	-1.253E-03	-2.151E-01	-4.974E-04	8.501E-05	0.000E+00
270	1	-3.408E-02	2.040E-02	-2.166E-01	5.182E-04	-8.314E-05	0.000E+00
271	1	-3.408E-02	1.512E-02	-2.141E-01	5.097E-04	-9.911E-05	0.000E+00
272	1	-3.408E-02	1.063E-13	-2.074E-01	4.976E-04	1.729E-15	0.000E+00
273	1	-3.408E-02	-1.512E-02	-2.141E-01	5.097E-04	9.911E-05	0.000E+00
274	1	-3.408E-02	-2.040E-02	-2.166E-01	5.182E-04	8.314E-05	0.000E+00
275	1	-2.823E-02	2.040E-02	-2.001E-01	5.340E-04	-7.233E-05	0.000E+00
276	1	-2.823E-02	1.512E-02	-1.980E-01	5.205E-04	-9.539E-05	0.000E+00
277	1	-2.823E-02	1.063E-13	-1.917E-01	4.852E-04	1.717E-15	0.000E+00
278	1	-2.823E-02	-1.512E-02	-1.980E-01	5.205E-04	9.539E-05	0.000E+00
279	1	-2.823E-02	-2.040E-02	-2.001E-01	5.340E-04	7.233E-05	0.000E+00
280	1	-2.239E-02	2.040E-02	-1.838E-01	4.629E-04	-4.495E-05	0.000E+00
281	1	-2.239E-02	1.512E-02	-1.819E-01	4.605E-04	-7.642E-05	0.000E+00
282	1	-2.239E-02	1.063E-13	-1.771E-01	4.146E-04	1.712E-15	0.000E+00
283	1	-2.239E-02	-1.512E-02	-1.819E-01	4.605E-04	7.642E-05	0.000E+00
284	1	-2.239E-02	-2.040E-02	-1.838E-01	4.629E-04	4.495E-05	0.000E+00
285	1	4.623E-13	2.040E-02	-1.505E-01	-3.854E-16	-7.456E-05	0.000E+00
286	1	4.623E-13	1.512E-02	-1.485E-01	-3.979E-16	-6.851E-05	0.000E+00
287	1	4.623E-13	1.063E-13	-1.430E-01	-4.046E-16	1.616E-15	0.000E+00
288	1	4.623E-13	-1.512E-02	-1.485E-01	-4.598E-16	6.851E-05	0.000E+00
289	1	4.623E-13	-2.040E-02	-1.505E-01	-4.796E-16	7.456E-05	0.000E+00
290	1	2.239E-02	2.040E-02	-1.838E-01	-4.629E-04	-4.495E-05	0.000E+00
291	1	2.239E-02	1.512E-02	-1.819E-01	-4.605E-04	-7.642E-05	0.000E+00
292	1	2.239E-02	1.063E-13	-1.771E-01	-4.146E-04	1.802E-15	0.000E+00
293	1	2.239E-02	-1.512E-02	-1.819E-01	-4.605E-04	7.642E-05	0.000E+00
294	1	2.239E-02	-2.040E-02	-1.838E-01	-4.629E-04	4.495E-05	0.000E+00
295	1	2.823E-02	2.040E-02	-2.001E-01	-5.340E-04	-7.233E-05	0.000E+00
296	1	2.823E-02	1.512E-02	-1.980E-01	-5.205E-04	-9.539E-05	0.000E+00
297	1	2.823E-02	1.063E-13	-1.917E-01	-4.852E-04	1.833E-15	0.000E+00
298	1	2.823E-02	-1.512E-02	-1.980E-01	-5.205E-04	9.539E-05	0.000E+00
299	1	2.823E-02	-2.040E-02	-2.001E-01	-5.340E-04	7.233E-05	0.000E+00
300	1	3.408E-02	2.040E-02	-2.166E-01	-5.182E-04	-8.314E-05	0.000E+00
301	1	3.408E-02	1.512E-02	-2.141E-01	-5.097E-04	-9.911E-05	0.000E+00

302	1	3.408E-02	1.063E-13	-2.074E-01	-4.976E-04	1.865E-15	0.000E+00
303	1	3.408E-02	-1.512E-02	-2.141E-01	-5.097E-04	9.911E-05	0.000E+00
304	1	3.408E-02	-2.040E-02	-2.166E-01	-5.182E-04	8.314E-05	0.000E+00
305	1	-1.799E-04	1.261E-03	-2.181E-01	4.980E-04	-8.503E-05	0.000E+00
306	1	-2.816E-04	1.281E-03	-2.155E-01	4.896E-04	-9.929E-05	0.000E+00
307	1	-6.391E-05	5.822E-04	-2.089E-01	4.811E-04	-1.706E-07	0.000E+00
308	1	1.502E-04	1.225E-03	-2.155E-01	4.891E-04	9.914E-05	0.000E+00
309	1	4.609E-05	1.179E-03	-2.180E-01	4.974E-04	8.501E-05	0.000E+00
310	1	-2.010E-04	1.128E-03	-2.022E-01	5.148E-04	-7.379E-05	0.000E+00
311	1	-1.485E-04	1.376E-03	-2.000E-01	4.982E-04	-9.609E-05	0.000E+00
312	1	-5.347E-05	4.852E-04	-1.937E-01	4.716E-04	-6.792E-08	0.000E+00
313	1	4.191E-05	1.322E-03	-2.000E-01	4.975E-04	9.605E-05	0.000E+00
314	1	9.532E-05	1.044E-03	-2.022E-01	5.143E-04	7.379E-05	0.000E+00
315	1	-1.580E-04	9.098E-04	-1.863E-01	4.529E-04	-4.625E-05	0.000E+00
316	1	-1.137E-04	8.678E-04	-1.844E-01	4.506E-04	-7.750E-05	0.000E+00
317	1	-4.138E-05	5.021E-04	-1.796E-01	4.048E-04	1.261E-08	0.000E+00
318	1	3.270E-05	8.025E-04	-1.844E-01	4.504E-04	7.753E-05	0.000E+00
319	1	7.812E-05	8.189E-04	-1.863E-01	4.527E-04	4.627E-05	0.000E+00
320	1	-2.058E-05	5.852E-05	-1.536E-01	2.296E-15	-7.615E-05	0.000E+00
321	1	4.343E-06	4.336E-05	-1.516E-01	2.308E-15	-6.970E-05	0.000E+00
322	1	1.585E-05	-6.392E-13	-1.460E-01	2.268E-15	5.214E-08	0.000E+00
323	1	2.863E-05	-4.336E-05	-1.516E-01	2.488E-15	6.979E-05	0.000E+00
324	1	5.444E-05	-5.852E-05	-1.536E-01	2.521E-15	7.625E-05	0.000E+00
325	1	-2.953E-05	-7.928E-04	-1.863E-01	-4.529E-04	-4.625E-05	0.000E+00
326	1	1.475E-05	-7.811E-04	-1.844E-01	-4.506E-04	-7.750E-05	0.000E+00
327	1	8.704E-05	-5.021E-04	-1.796E-01	-4.048E-04	1.261E-08	0.000E+00
328	1	1.611E-04	-8.892E-04	-1.844E-01	-4.504E-04	7.753E-05	0.000E+00
329	1	2.065E-04	-9.359E-04	-1.863E-01	-4.527E-04	4.627E-05	0.000E+00
330	1	-3.908E-05	-1.011E-03	-2.022E-01	-5.148E-04	-7.379E-05	0.000E+00
331	1	1.341E-05	-1.289E-03	-2.000E-01	-4.982E-04	-9.609E-05	0.000E+00
332	1	1.085E-04	-4.852E-04	-1.937E-01	-4.716E-04	-6.792E-08	0.000E+00
333	1	2.038E-04	-1.408E-03	-2.000E-01	-4.975E-04	9.605E-05	0.000E+00
334	1	2.573E-04	-1.161E-03	-2.022E-01	-5.143E-04	7.379E-05	0.000E+00
335	1	1.560E-05	-1.144E-03	-2.181E-01	-4.980E-04	-8.503E-05	0.000E+00
336	1	-8.619E-05	-1.194E-03	-2.155E-01	-4.896E-04	-9.929E-05	0.000E+00
337	1	1.315E-04	-5.822E-04	-2.089E-01	-4.811E-04	-1.706E-07	0.000E+00
338	1	3.456E-04	-1.312E-03	-2.155E-01	-4.891E-04	9.914E-05	0.000E+00
339	1	2.415E-04	-1.297E-03	-2.180E-01	-4.974E-04	8.501E-05	0.000E+00
340	1	5.095E-03	-3.051E-03	-2.235E-01	5.182E-04	-8.314E-05	0.000E+00
341	1	5.095E-03	-2.261E-03	-2.209E-01	5.097E-04	-9.911E-05	0.000E+00
342	1	5.095E-03	-2.041E-15	-2.142E-01	4.976E-04	2.480E-16	0.000E+00
343	1	5.095E-03	2.261E-03	-2.209E-01	5.097E-04	9.911E-05	0.000E+00
344	1	5.095E-03	3.051E-03	-2.235E-01	5.182E-04	8.314E-05	0.000E+00
345	1	4.222E-03	-3.051E-03	-2.069E-01	5.340E-04	-7.233E-05	0.000E+00
346	1	4.222E-03	-2.261E-03	-2.048E-01	5.205E-04	-9.539E-05	0.000E+00
347	1	4.222E-03	-2.041E-15	-1.985E-01	4.852E-04	2.514E-16	0.000E+00
348	1	4.222E-03	2.261E-03	-2.048E-01	5.205E-04	9.539E-05	0.000E+00
349	1	4.222E-03	3.051E-03	-2.069E-01	5.340E-04	7.233E-05	0.000E+00
350	1	3.348E-03	-3.051E-03	-1.906E-01	4.629E-04	-4.495E-05	0.000E+00
351	1	3.348E-03	-2.261E-03	-1.887E-01	4.605E-04	-7.642E-05	0.000E+00
352	1	3.348E-03	-2.041E-15	-1.839E-01	4.146E-04	2.623E-16	0.000E+00
353	1	3.348E-03	2.261E-03	-1.887E-01	4.605E-04	7.642E-05	0.000E+00
354	1	3.348E-03	3.051E-03	-1.906E-01	4.629E-04	4.495E-05	0.000E+00
355	1	9.337E-14	-3.051E-03	-1.573E-01	9.722E-17	-7.456E-05	0.000E+00
356	1	9.337E-14	-2.261E-03	-1.553E-01	7.309E-17	-6.851E-05	0.000E+00
357	1	9.338E-14	-2.047E-15	-1.498E-01	1.343E-17	2.958E-16	0.000E+00
358	1	9.337E-14	2.261E-03	-1.553E-01	-1.966E-17	6.851E-05	0.000E+00
359	1	9.337E-14	3.051E-03	-1.573E-01	-3.055E-17	7.456E-05	0.000E+00
360	1	-3.348E-03	-3.051E-03	-1.906E-01	-4.629E-04	-4.495E-05	0.000E+00
361	1	-3.348E-03	-2.261E-03	-1.887E-01	-4.605E-04	-7.642E-05	0.000E+00
362	1	-3.348E-03	-2.042E-15	-1.839E-01	-4.146E-04	4.004E-16	0.000E+00
363	1	-3.348E-03	2.261E-03	-1.887E-01	-4.605E-04	7.642E-05	0.000E+00

364	1	-3.348E-03	3.051E-03	-1.906E-01	-4.629E-04	4.495E-05	0.000E+00
365	1	-4.222E-03	-3.051E-03	-2.069E-01	-5.340E-04	-7.233E-05	0.000E+00
366	1	-4.222E-03	-2.261E-03	-2.048E-01	-5.205E-04	-9.539E-05	0.000E+00
367	1	-4.222E-03	-2.043E-15	-1.985E-01	-4.852E-04	4.302E-16	0.000E+00
368	1	-4.222E-03	2.261E-03	-2.048E-01	-5.205E-04	9.539E-05	0.000E+00
369	1	-4.222E-03	3.051E-03	-2.069E-01	-5.340E-04	7.233E-05	0.000E+00
370	1	-5.095E-03	-3.051E-03	-2.235E-01	-5.182E-04	-8.314E-05	0.000E+00
371	1	-5.095E-03	-2.261E-03	-2.209E-01	-5.097E-04	-9.911E-05	0.000E+00
372	1	-5.095E-03	-2.043E-15	-2.142E-01	-4.976E-04	4.572E-16	0.000E+00
373	1	-5.095E-03	2.261E-03	-2.209E-01	-5.097E-04	9.911E-05	0.000E+00
374	1	-5.095E-03	3.051E-03	-2.235E-01	-5.182E-04	8.314E-05	0.000E+00
375	1	4.131E-05	1.127E-03	-2.137E-01	4.980E-04	-8.503E-05	0.000E+00
376	1	-6.049E-05	1.182E-03	-2.111E-01	4.896E-04	-9.930E-05	0.000E+00
377	1	1.572E-04	5.822E-04	-2.045E-01	4.811E-04	-1.742E-07	0.000E+00
378	1	3.713E-04	1.325E-03	-2.111E-01	4.891E-04	9.914E-05	0.000E+00
379	1	2.672E-04	1.313E-03	-2.137E-01	4.974E-04	8.501E-05	0.000E+00
380	1	-1.818E-05	9.944E-04	-1.978E-01	5.148E-04	-7.380E-05	0.000E+00
381	1	3.431E-05	1.276E-03	-1.956E-01	4.982E-04	-9.609E-05	0.000E+00
382	1	1.294E-04	4.852E-04	-1.894E-01	4.716E-04	-7.155E-08	0.000E+00
383	1	2.248E-04	1.421E-03	-1.956E-01	4.975E-04	9.604E-05	0.000E+00
384	1	2.782E-04	1.177E-03	-1.978E-01	5.143E-04	7.379E-05	0.000E+00
385	1	-1.342E-05	7.760E-04	-1.819E-01	4.529E-04	-4.625E-05	0.000E+00
386	1	3.086E-05	7.687E-04	-1.801E-01	4.506E-04	-7.750E-05	0.000E+00
387	1	1.032E-04	5.021E-04	-1.752E-01	4.048E-04	8.975E-09	0.000E+00
388	1	1.772E-04	9.016E-04	-1.801E-01	4.504E-04	7.753E-05	0.000E+00
389	1	2.227E-04	9.527E-04	-1.819E-01	4.527E-04	4.627E-05	0.000E+00
390	1	-2.285E-05	-7.527E-05	-1.493E-01	-8.873E-17	-7.615E-05	0.000E+00
391	1	2.078E-06	-5.577E-05	-1.472E-01	-7.579E-17	-6.971E-05	0.000E+00
392	1	1.359E-05	5.957E-15	-1.416E-01	-1.193E-17	4.851E-08	0.000E+00
393	1	2.636E-05	5.577E-05	-1.472E-01	1.006E-16	6.979E-05	0.000E+00
394	1	5.217E-05	7.527E-05	-1.493E-01	1.391E-16	7.624E-05	0.000E+00
395	1	-1.786E-04	-9.266E-04	-1.819E-01	-4.529E-04	-4.625E-05	0.000E+00
396	1	-1.343E-04	-8.802E-04	-1.801E-01	-4.506E-04	-7.750E-05	0.000E+00
397	1	-6.202E-05	-5.021E-04	-1.752E-01	-4.048E-04	8.975E-09	0.000E+00
398	1	1.206E-05	-7.901E-04	-1.801E-01	-4.504E-04	7.753E-05	0.000E+00
399	1	5.747E-05	-8.021E-04	-1.819E-01	-4.527E-04	4.627E-05	0.000E+00
400	1	-2.265E-04	-1.145E-03	-1.978E-01	-5.148E-04	-7.380E-05	0.000E+00
401	1	-1.740E-04	-1.388E-03	-1.956E-01	-4.982E-04	-9.609E-05	0.000E+00
402	1	-7.891E-05	-4.852E-04	-1.894E-01	-4.716E-04	-7.155E-08	0.000E+00
403	1	1.647E-05	-1.309E-03	-1.956E-01	-4.975E-04	9.604E-05	0.000E+00
404	1	6.988E-05	-1.027E-03	-1.978E-01	-5.143E-04	7.379E-05	0.000E+00
405	1	-2.101E-04	-1.278E-03	-2.137E-01	-4.980E-04	-8.503E-05	0.000E+00
406	1	-3.119E-04	-1.293E-03	-2.111E-01	-4.896E-04	-9.930E-05	0.000E+00
407	1	-9.414E-05	-5.822E-04	-2.045E-01	-4.811E-04	-1.742E-07	0.000E+00
408	1	1.199E-04	-1.213E-03	-2.111E-01	-4.891E-04	9.914E-05	0.000E+00
409	1	1.585E-05	-1.163E-03	-2.137E-01	-4.974E-04	8.501E-05	0.000E+00
410	1	2.571E-03	3.925E-10	-2.189E-01	5.188E-04	-7.394E-05	0.000E+00
411	1	2.571E-03	2.909E-10	-2.166E-01	5.104E-04	-8.985E-05	0.000E+00
412	1	2.571E-03	4.498E-13	-2.107E-01	4.985E-04	9.584E-06	0.000E+00
413	1	2.571E-03	-2.900E-10	-2.182E-01	5.111E-04	1.088E-04	0.000E+00
414	1	2.571E-03	-3.916E-10	-2.210E-01	5.196E-04	9.266E-05	0.000E+00
415	1	2.571E-03	3.925E-10	-2.024E-01	5.346E-04	-6.318E-05	0.000E+00
416	1	2.571E-03	2.909E-10	-2.005E-01	5.211E-04	-8.622E-05	0.000E+00
417	1	2.571E-03	4.498E-13	-1.950E-01	4.861E-04	9.444E-06	0.000E+00
418	1	2.571E-03	-2.900E-10	-2.020E-01	5.219E-04	1.049E-04	0.000E+00
419	1	2.571E-03	-3.916E-10	-2.044E-01	5.355E-04	8.176E-05	0.000E+00
420	1	2.571E-03	3.925E-10	-1.860E-01	4.634E-04	-3.586E-05	0.000E+00
421	1	2.571E-03	2.909E-10	-1.844E-01	4.610E-04	-6.735E-05	0.000E+00
422	1	2.571E-03	4.498E-13	-1.804E-01	4.154E-04	9.299E-06	0.000E+00
423	1	2.571E-03	-2.900E-10	-1.859E-01	4.618E-04	8.580E-05	0.000E+00
424	1	2.571E-03	-3.916E-10	-1.880E-01	4.642E-04	5.422E-05	0.000E+00
425	1	2.571E-03	3.925E-10	-1.527E-01	-1.792E-15	-6.563E-05	0.000E+00

426	1	2.571E-03	2.909E-10	-1.509E-01	-1.762E-15	-5.961E-05	0.000E+00
427	1	2.571E-03	4.498E-13	-1.461E-01	-1.588E-15	8.458E-06	0.000E+00
428	1	2.571E-03	-2.900E-10	-1.524E-01	-1.591E-15	7.766E-05	0.000E+00
429	1	2.571E-03	-3.916E-10	-1.547E-01	-1.577E-15	8.377E-05	0.000E+00
430	1	2.571E-03	3.925E-10	-1.860E-01	-4.634E-04	-3.586E-05	0.000E+00
431	1	2.571E-03	2.909E-10	-1.844E-01	-4.610E-04	-6.735E-05	0.000E+00
432	1	2.571E-03	4.498E-13	-1.804E-01	-4.154E-04	9.299E-06	0.000E+00
433	1	2.571E-03	-2.900E-10	-1.859E-01	-4.618E-04	8.580E-05	0.000E+00
434	1	2.571E-03	-3.916E-10	-1.880E-01	-4.642E-04	5.422E-05	0.000E+00
435	1	2.571E-03	3.925E-10	-2.024E-01	-5.346E-04	-6.318E-05	0.000E+00
436	1	2.571E-03	2.909E-10	-2.005E-01	-5.211E-04	-8.622E-05	0.000E+00
437	1	2.571E-03	4.498E-13	-1.950E-01	-4.861E-04	9.444E-06	0.000E+00
438	1	2.571E-03	-2.900E-10	-2.020E-01	-5.219E-04	1.049E-04	0.000E+00
439	1	2.571E-03	-3.916E-10	-2.044E-01	-5.355E-04	8.176E-05	0.000E+00
440	1	2.571E-03	3.925E-10	-2.189E-01	-5.188E-04	-7.394E-05	0.000E+00
441	1	2.571E-03	2.909E-10	-2.166E-01	-5.104E-04	-8.985E-05	0.000E+00
442	1	2.571E-03	4.498E-13	-2.107E-01	-4.985E-04	9.584E-06	0.000E+00
443	1	2.571E-03	-2.900E-10	-2.182E-01	-5.111E-04	1.088E-04	0.000E+00
444	1	2.571E-03	-3.916E-10	-2.210E-01	-5.196E-04	9.266E-05	0.000E+00
445	1	-8.433E-05	1.209E-03	-2.198E-01	4.999E-04	-8.536E-05	0.000E+00
446	1	-1.865E-04	1.243E-03	-2.173E-01	4.915E-04	-9.968E-05	0.000E+00
447	1	3.207E-05	5.845E-04	-2.106E-01	4.830E-04	-1.707E-07	0.000E+00
448	1	2.470E-04	1.273E-03	-2.172E-01	4.910E-04	9.953E-05	0.000E+00
449	1	1.425E-04	1.241E-03	-2.198E-01	4.994E-04	8.534E-05	0.000E+00
450	1	-1.220E-04	1.075E-03	-2.039E-01	5.169E-04	-7.408E-05	0.000E+00
451	1	-6.931E-05	1.339E-03	-2.017E-01	5.001E-04	-9.646E-05	0.000E+00
452	1	2.613E-05	4.871E-04	-1.954E-01	4.735E-04	-6.761E-08	0.000E+00
453	1	1.219E-04	1.369E-03	-2.017E-01	4.995E-04	9.642E-05	0.000E+00
454	1	1.755E-04	1.105E-03	-2.039E-01	5.163E-04	7.408E-05	0.000E+00
455	1	-9.519E-05	8.560E-04	-1.879E-01	4.547E-04	-4.642E-05	0.000E+00
456	1	-5.074E-05	8.287E-04	-1.861E-01	4.524E-04	-7.780E-05	0.000E+00
457	1	2.184E-05	5.041E-04	-1.812E-01	4.064E-04	1.324E-08	0.000E+00
458	1	9.622E-05	8.481E-04	-1.861E-01	4.522E-04	7.783E-05	0.000E+00
459	1	1.418E-04	8.794E-04	-1.879E-01	4.545E-04	4.645E-05	0.000E+00
460	1	-2.020E-05	1.405E-06	-1.552E-01	1.690E-15	-7.643E-05	0.000E+00
461	1	4.824E-06	1.041E-06	-1.531E-01	1.698E-15	-6.996E-05	0.000E+00
462	1	1.638E-05	-4.797E-13	-1.475E-01	1.677E-15	5.295E-08	0.000E+00
463	1	2.920E-05	-1.041E-06	-1.531E-01	1.865E-15	7.006E-05	0.000E+00
464	1	5.512E-05	-1.405E-06	-1.552E-01	1.899E-15	7.654E-05	0.000E+00
465	1	-9.210E-05	-8.532E-04	-1.879E-01	-4.547E-04	-4.642E-05	0.000E+00
466	1	-4.765E-05	-8.266E-04	-1.861E-01	-4.524E-04	-7.780E-05	0.000E+00
467	1	2.493E-05	-5.041E-04	-1.812E-01	-4.064E-04	1.324E-08	0.000E+00
468	1	9.930E-05	-8.502E-04	-1.861E-01	-4.522E-04	7.783E-05	0.000E+00
469	1	1.449E-04	-8.822E-04	-1.879E-01	-4.545E-04	4.645E-05	0.000E+00
470	1	-1.181E-04	-1.072E-03	-2.039E-01	-5.169E-04	-7.408E-05	0.000E+00
471	1	-6.542E-05	-1.336E-03	-2.017E-01	-5.001E-04	-9.646E-05	0.000E+00
472	1	3.002E-05	-4.871E-04	-1.954E-01	-4.735E-04	-6.761E-08	0.000E+00
473	1	1.258E-04	-1.371E-03	-2.017E-01	-4.995E-04	9.642E-05	0.000E+00
474	1	1.794E-04	-1.108E-03	-2.039E-01	-5.163E-04	7.408E-05	0.000E+00
475	1	-7.964E-05	-1.206E-03	-2.198E-01	-4.999E-04	-8.536E-05	0.000E+00
476	1	-1.818E-04	-1.241E-03	-2.173E-01	-4.915E-04	-9.968E-05	0.000E+00
477	1	3.676E-05	-5.845E-04	-2.106E-01	-4.830E-04	-1.707E-07	0.000E+00
478	1	2.517E-04	-1.275E-03	-2.172E-01	-4.910E-04	9.953E-05	0.000E+00
479	1	1.472E-04	-1.244E-03	-2.198E-01	-4.994E-04	8.534E-05	0.000E+00
480	1	-2.787E-03	-8.773E-11	-2.235E-01	5.196E-04	-9.298E-05	0.000E+00
481	1	-2.787E-03	-6.522E-11	-2.207E-01	5.111E-04	-1.091E-04	0.000E+00
482	1	-2.787E-03	-8.617E-13	-2.131E-01	4.985E-04	-9.912E-06	0.000E+00
483	1	-2.787E-03	6.350E-11	-2.191E-01	5.104E-04	8.952E-05	0.000E+00
484	1	-2.787E-03	8.600E-11	-2.213E-01	5.188E-04	7.362E-05	0.000E+00
485	1	-2.787E-03	-8.773E-11	-2.069E-01	5.355E-04	-8.209E-05	0.000E+00
486	1	-2.787E-03	-6.522E-11	-2.045E-01	5.219E-04	-1.053E-04	0.000E+00
487	1	-2.787E-03	-8.617E-13	-1.974E-01	4.861E-04	-9.772E-06	0.000E+00

488	1	-2.787E-03	6.350E-11	-2.029E-01	5.211E-04	8.590E-05	0.000E+00
489	1	-2.787E-03	8.600E-11	-2.048E-01	5.346E-04	6.286E-05	0.000E+00
490	1	-2.787E-03	-8.773E-11	-1.905E-01	4.642E-04	-5.455E-05	0.000E+00
491	1	-2.787E-03	-6.522E-11	-1.884E-01	4.618E-04	-8.612E-05	0.000E+00
492	1	-2.787E-03	-8.617E-13	-1.828E-01	4.154E-04	-9.627E-06	0.000E+00
493	1	-2.787E-03	6.350E-11	-1.868E-01	4.610E-04	6.702E-05	0.000E+00
494	1	-2.787E-03	8.600E-11	-1.884E-01	4.634E-04	3.553E-05	0.000E+00
495	1	-2.787E-03	-8.773E-11	-1.571E-01	3.140E-15	-8.409E-05	0.000E+00
496	1	-2.787E-03	-6.522E-11	-1.548E-01	3.115E-15	-7.799E-05	0.000E+00
497	1	-2.787E-03	-8.617E-13	-1.486E-01	2.920E-15	-8.785E-06	0.000E+00
498	1	-2.787E-03	6.350E-11	-1.533E-01	3.028E-15	5.928E-05	0.000E+00
499	1	-2.787E-03	8.600E-11	-1.551E-01	3.022E-15	6.531E-05	0.000E+00
500	1	-2.787E-03	-8.773E-11	-1.905E-01	-4.642E-04	-5.455E-05	0.000E+00
501	1	-2.787E-03	-6.522E-11	-1.884E-01	-4.618E-04	-8.612E-05	0.000E+00
502	1	-2.787E-03	-8.617E-13	-1.828E-01	-4.154E-04	-9.627E-06	0.000E+00
503	1	-2.787E-03	6.350E-11	-1.868E-01	-4.610E-04	6.702E-05	0.000E+00
504	1	-2.787E-03	8.600E-11	-1.884E-01	-4.634E-04	3.553E-05	0.000E+00
505	1	-2.787E-03	-8.773E-11	-2.069E-01	-5.355E-04	-8.209E-05	0.000E+00
506	1	-2.787E-03	-6.522E-11	-2.045E-01	-5.219E-04	-1.053E-04	0.000E+00
507	1	-2.787E-03	-8.617E-13	-1.974E-01	-4.861E-04	-9.772E-06	0.000E+00
508	1	-2.787E-03	6.350E-11	-2.029E-01	-5.211E-04	8.590E-05	0.000E+00
509	1	-2.787E-03	8.600E-11	-2.048E-01	-5.346E-04	6.286E-05	0.000E+00
510	1	-2.787E-03	-8.773E-11	-2.235E-01	-5.196E-04	-9.298E-05	0.000E+00
511	1	-2.787E-03	-6.522E-11	-2.207E-01	-5.111E-04	-1.091E-04	0.000E+00
512	1	-2.787E-03	-8.617E-13	-2.131E-01	-4.985E-04	-9.912E-06	0.000E+00
513	1	-2.787E-03	6.350E-11	-2.191E-01	-5.104E-04	8.952E-05	0.000E+00
514	1	-2.787E-03	8.600E-11	-2.213E-01	-5.188E-04	7.362E-05	0.000E+00
515	1	-9.548E-05	1.211E-03	-2.205E-01	4.980E-04	-8.503E-05	0.000E+00
516	1	-1.973E-04	1.244E-03	-2.179E-01	4.896E-04	-9.929E-05	0.000E+00
517	1	2.047E-05	5.822E-04	-2.113E-01	4.811E-04	-1.685E-07	0.000E+00
518	1	2.346E-04	1.262E-03	-2.179E-01	4.891E-04	9.914E-05	0.000E+00
519	1	1.305E-04	1.229E-03	-2.205E-01	4.974E-04	8.502E-05	0.000E+00
520	1	-1.309E-04	1.078E-03	-2.046E-01	5.148E-04	-7.379E-05	0.000E+00
521	1	-7.840E-05	1.339E-03	-2.024E-01	4.982E-04	-9.609E-05	0.000E+00
522	1	1.667E-05	4.852E-04	-1.962E-01	4.716E-04	-6.590E-08	0.000E+00
523	1	1.120E-04	1.358E-03	-2.024E-01	4.975E-04	9.605E-05	0.000E+00
524	1	1.655E-04	1.093E-03	-2.046E-01	5.143E-04	7.379E-05	0.000E+00
525	1	-1.021E-04	8.601E-04	-1.887E-01	4.529E-04	-4.624E-05	0.000E+00
526	1	-5.778E-05	8.310E-04	-1.869E-01	4.506E-04	-7.750E-05	0.000E+00
527	1	1.451E-05	5.021E-04	-1.820E-01	4.048E-04	1.463E-08	0.000E+00
528	1	8.860E-05	8.393E-04	-1.869E-01	4.504E-04	7.754E-05	0.000E+00
529	1	1.340E-04	8.686E-04	-1.887E-01	4.527E-04	4.628E-05	0.000E+00
530	1	-1.925E-05	8.789E-06	-1.561E-01	-2.060E-15	-7.614E-05	0.000E+00
531	1	5.672E-06	6.512E-06	-1.540E-01	-2.035E-15	-6.970E-05	0.000E+00
532	1	1.718E-05	5.512E-13	-1.484E-01	-1.875E-15	5.416E-08	0.000E+00
533	1	2.996E-05	-6.512E-06	-1.540E-01	-1.944E-15	6.980E-05	0.000E+00
534	1	5.577E-05	-8.789E-06	-1.561E-01	-1.954E-15	7.625E-05	0.000E+00
535	1	-8.277E-05	-8.425E-04	-1.887E-01	-4.529E-04	-4.624E-05	0.000E+00
536	1	-3.849E-05	-8.179E-04	-1.869E-01	-4.506E-04	-7.750E-05	0.000E+00
537	1	3.380E-05	-5.021E-04	-1.820E-01	-4.048E-04	1.463E-08	0.000E+00
538	1	1.079E-04	-8.523E-04	-1.869E-01	-4.504E-04	7.754E-05	0.000E+00
539	1	1.533E-04	-8.862E-04	-1.887E-01	-4.527E-04	4.628E-05	0.000E+00
540	1	-1.066E-04	-1.061E-03	-2.046E-01	-5.148E-04	-7.379E-05	0.000E+00
541	1	-5.407E-05	-1.326E-03	-2.024E-01	-4.982E-04	-9.609E-05	0.000E+00
542	1	4.099E-05	-4.852E-04	-1.962E-01	-4.716E-04	-6.590E-08	0.000E+00
543	1	1.364E-04	-1.371E-03	-2.024E-01	-4.975E-04	9.605E-05	0.000E+00
544	1	1.898E-04	-1.111E-03	-2.046E-01	-5.143E-04	7.379E-05	0.000E+00
545	1	-6.612E-05	-1.194E-03	-2.205E-01	-4.980E-04	-8.503E-05	0.000E+00
546	1	-1.679E-04	-1.231E-03	-2.179E-01	-4.896E-04	-9.929E-05	0.000E+00
547	1	4.982E-05	-5.822E-04	-2.113E-01	-4.811E-04	-1.685E-07	0.000E+00
548	1	2.639E-04	-1.275E-03	-2.179E-01	-4.891E-04	9.914E-05	0.000E+00
549	1	1.598E-04	-1.247E-03	-2.205E-01	-4.974E-04	8.502E-05	0.000E+00

550	1	-2.177E-12	8.142E-13	-2.152E-01	5.182E-04	-8.314E-05	0.000E+00
551	1	-2.177E-12	5.301E-13	-2.127E-01	5.097E-04	-9.911E-05	0.000E+00
552	1	-2.177E-12	-2.821E-13	-2.059E-01	4.976E-04	-1.302E-15	0.000E+00
553	1	-2.177E-12	-1.094E-12	-2.127E-01	5.097E-04	9.911E-05	0.000E+00
554	1	-2.177E-12	-1.378E-12	-2.152E-01	5.182E-04	8.314E-05	0.000E+00
555	1	-1.863E-12	8.142E-13	-1.987E-01	5.340E-04	-7.233E-05	0.000E+00
556	1	-1.863E-12	5.301E-13	-1.965E-01	5.205E-04	-9.539E-05	0.000E+00
557	1	-1.863E-12	-2.821E-13	-1.902E-01	4.852E-04	-1.307E-15	0.000E+00
558	1	-1.863E-12	-1.094E-12	-1.965E-01	5.205E-04	9.539E-05	0.000E+00
559	1	-1.863E-12	-1.378E-12	-1.987E-01	5.340E-04	7.233E-05	0.000E+00
560	1	-1.550E-12	8.142E-13	-1.823E-01	4.629E-04	-4.495E-05	0.000E+00
561	1	-1.550E-12	5.301E-13	-1.805E-01	4.605E-04	-7.642E-05	0.000E+00
562	1	-1.550E-12	-2.821E-13	-1.757E-01	4.146E-04	-1.309E-15	0.000E+00
563	1	-1.550E-12	-1.094E-12	-1.805E-01	4.605E-04	7.642E-05	0.000E+00
564	1	-1.550E-12	-1.378E-12	-1.823E-01	4.629E-04	4.495E-05	0.000E+00
565	1	-3.466E-13	8.142E-13	-1.491E-01	1.173E-15	-7.456E-05	0.000E+00
566	1	-3.466E-13	5.301E-13	-1.470E-01	1.161E-15	-6.851E-05	0.000E+00
567	1	-3.466E-13	-2.821E-13	-1.415E-01	1.088E-15	-1.235E-15	0.000E+00
568	1	-3.466E-13	-1.094E-12	-1.470E-01	1.145E-15	6.851E-05	0.000E+00
569	1	-3.466E-13	-1.378E-12	-1.491E-01	1.144E-15	7.456E-05	0.000E+00
570	1	8.563E-13	8.142E-13	-1.823E-01	-4.629E-04	-4.495E-05	0.000E+00
571	1	8.563E-13	5.301E-13	-1.805E-01	-4.605E-04	-7.642E-05	0.000E+00
572	1	8.563E-13	-2.821E-13	-1.757E-01	-4.146E-04	-1.290E-15	0.000E+00
573	1	8.563E-13	-1.094E-12	-1.805E-01	-4.605E-04	7.642E-05	0.000E+00
574	1	8.563E-13	-1.378E-12	-1.823E-01	-4.629E-04	4.495E-05	0.000E+00
575	1	1.170E-12	8.142E-13	-1.987E-01	-5.340E-04	-7.233E-05	0.000E+00
576	1	1.170E-12	5.301E-13	-1.965E-01	-5.205E-04	-9.539E-05	0.000E+00
577	1	1.170E-12	-2.821E-13	-1.902E-01	-4.852E-04	-1.293E-15	0.000E+00
578	1	1.170E-12	-1.094E-12	-1.965E-01	-5.205E-04	9.539E-05	0.000E+00
579	1	1.170E-12	-1.378E-12	-1.987E-01	-5.340E-04	7.233E-05	0.000E+00
580	1	1.484E-12	8.142E-13	-2.152E-01	-5.182E-04	-8.314E-05	0.000E+00
581	1	1.484E-12	5.301E-13	-2.127E-01	-5.097E-04	-9.911E-05	0.000E+00
582	1	1.484E-12	-2.821E-13	-2.059E-01	-4.976E-04	-1.312E-15	0.000E+00
583	1	1.484E-12	-1.094E-12	-2.127E-01	-5.097E-04	9.911E-05	0.000E+00
584	1	1.484E-12	-1.378E-12	-2.152E-01	-5.182E-04	8.314E-05	0.000E+00
585	1	-9.320E-05	1.210E-03	-2.220E-01	4.980E-04	-8.503E-05	0.000E+00
586	1	-1.950E-04	1.243E-03	-2.194E-01	4.896E-04	-9.929E-05	0.000E+00
587	1	2.275E-05	5.822E-04	-2.128E-01	4.811E-04	-1.673E-07	0.000E+00
588	1	2.368E-04	1.263E-03	-2.194E-01	4.891E-04	9.915E-05	0.000E+00
589	1	1.327E-04	1.230E-03	-2.219E-01	4.974E-04	8.502E-05	0.000E+00
590	1	-1.289E-04	1.078E-03	-2.061E-01	5.148E-04	-7.379E-05	0.000E+00
591	1	-7.637E-05	1.338E-03	-2.039E-01	4.982E-04	-9.608E-05	0.000E+00
592	1	1.870E-05	4.852E-04	-1.976E-01	4.716E-04	-6.469E-08	0.000E+00
593	1	1.141E-04	1.359E-03	-2.039E-01	4.975E-04	9.605E-05	0.000E+00
594	1	1.675E-04	1.094E-03	-2.061E-01	5.143E-04	7.379E-05	0.000E+00
595	1	-1.003E-04	8.592E-04	-1.902E-01	4.529E-04	-4.624E-05	0.000E+00
596	1	-5.600E-05	8.303E-04	-1.883E-01	4.506E-04	-7.749E-05	0.000E+00
597	1	1.629E-05	5.021E-04	-1.835E-01	4.048E-04	1.584E-08	0.000E+00
598	1	9.038E-05	8.400E-04	-1.883E-01	4.504E-04	7.754E-05	0.000E+00
599	1	1.358E-04	8.695E-04	-1.902E-01	4.527E-04	4.628E-05	0.000E+00
600	1	-1.843E-05	7.917E-06	-1.575E-01	1.398E-15	-7.614E-05	0.000E+00
601	1	6.493E-06	5.866E-06	-1.554E-01	1.373E-15	-6.970E-05	0.000E+00
602	1	1.800E-05	-3.827E-13	-1.499E-01	1.262E-15	5.538E-08	0.000E+00
603	1	3.078E-05	-5.866E-06	-1.555E-01	1.278E-15	6.980E-05	0.000E+00
604	1	5.659E-05	-7.917E-06	-1.575E-01	1.270E-15	7.625E-05	0.000E+00
605	1	-8.290E-05	-8.434E-04	-1.902E-01	-4.529E-04	-4.624E-05	0.000E+00
606	1	-3.863E-05	-8.186E-04	-1.883E-01	-4.506E-04	-7.749E-05	0.000E+00
607	1	3.367E-05	-5.021E-04	-1.835E-01	-4.048E-04	1.584E-08	0.000E+00
608	1	1.078E-04	-8.517E-04	-1.883E-01	-4.504E-04	7.754E-05	0.000E+00
609	1	1.532E-04	-8.853E-04	-1.902E-01	-4.527E-04	4.628E-05	0.000E+00
610	1	-1.069E-04	-1.062E-03	-2.061E-01	-5.148E-04	-7.379E-05	0.000E+00
611	1	-5.446E-05	-1.326E-03	-2.039E-01	-4.982E-04	-9.608E-05	0.000E+00

612	1	4.061E-05	-4.852E-04	-1.976E-01	-4.716E-04	-6.469E-08	0.000E+00
613	1	1.360E-04	-1.371E-03	-2.039E-01	-4.975E-04	9.605E-05	0.000E+00
614	1	1.894E-04	-1.110E-03	-2.061E-01	-5.143E-04	7.379E-05	0.000E+00
615	1	-6.675E-05	-1.195E-03	-2.220E-01	-4.980E-04	-8.503E-05	0.000E+00
616	1	-1.685E-04	-1.232E-03	-2.194E-01	-4.896E-04	-9.929E-05	0.000E+00
617	1	4.919E-05	-5.822E-04	-2.128E-01	-4.811E-04	-1.673E-07	0.000E+00
618	1	2.633E-04	-1.275E-03	-2.194E-01	-4.891E-04	9.915E-05	0.000E+00
619	1	1.592E-04	-1.246E-03	-2.219E-01	-4.974E-04	8.502E-05	0.000E+00
620	1	-3.055E-11	1.835E-11	-2.196E-01	5.182E-04	-8.314E-05	0.000E+00
621	1	-3.055E-11	1.355E-11	-2.170E-01	5.097E-04	-9.911E-05	0.000E+00
622	1	-3.055E-11	-1.648E-13	-2.103E-01	4.976E-04	1.412E-15	0.000E+00
623	1	-3.055E-11	-1.388E-11	-2.170E-01	5.097E-04	9.911E-05	0.000E+00
624	1	-3.055E-11	-1.868E-11	-2.196E-01	5.182E-04	8.314E-05	0.000E+00
625	1	-2.525E-11	1.835E-11	-2.030E-01	5.340E-04	-7.233E-05	0.000E+00
626	1	-2.525E-11	1.355E-11	-2.009E-01	5.205E-04	-9.539E-05	0.000E+00
627	1	-2.525E-11	-1.648E-13	-1.946E-01	4.852E-04	1.385E-15	0.000E+00
628	1	-2.525E-11	-1.388E-11	-2.009E-01	5.205E-04	9.539E-05	0.000E+00
629	1	-2.525E-11	-1.868E-11	-2.030E-01	5.340E-04	7.233E-05	0.000E+00
630	1	-1.994E-11	1.835E-11	-1.867E-01	4.629E-04	-4.495E-05	0.000E+00
631	1	-1.994E-11	1.355E-11	-1.848E-01	4.605E-04	-7.642E-05	0.000E+00
632	1	-1.994E-11	-1.648E-13	-1.800E-01	4.146E-04	1.368E-15	0.000E+00
633	1	-1.994E-11	-1.388E-11	-1.848E-01	4.605E-04	7.642E-05	0.000E+00
634	1	-1.994E-11	-1.868E-11	-1.867E-01	4.629E-04	4.495E-05	0.000E+00
635	1	3.717E-13	1.835E-11	-1.534E-01	5.849E-16	-7.456E-05	0.000E+00
636	1	3.717E-13	1.355E-11	-1.514E-01	5.831E-16	-6.851E-05	0.000E+00
637	1	3.717E-13	-1.648E-13	-1.459E-01	5.841E-16	1.224E-15	0.000E+00
638	1	3.717E-13	-1.388E-11	-1.514E-01	7.116E-16	6.851E-05	0.000E+00
639	1	3.717E-13	-1.868E-11	-1.534E-01	7.461E-16	7.456E-05	0.000E+00
640	1	2.069E-11	1.835E-11	-1.867E-01	-4.629E-04	-4.495E-05	0.000E+00
641	1	2.069E-11	1.355E-11	-1.848E-01	-4.605E-04	-7.642E-05	0.000E+00
642	1	2.069E-11	-1.648E-13	-1.800E-01	-4.146E-04	1.165E-15	0.000E+00
643	1	2.069E-11	-1.388E-11	-1.848E-01	-4.605E-04	7.642E-05	0.000E+00
644	1	2.069E-11	-1.868E-11	-1.867E-01	-4.629E-04	4.495E-05	0.000E+00
645	1	2.599E-11	1.835E-11	-2.030E-01	-5.340E-04	-7.233E-05	0.000E+00
646	1	2.599E-11	1.355E-11	-2.009E-01	-5.205E-04	-9.539E-05	0.000E+00
647	1	2.599E-11	-1.648E-13	-1.946E-01	-4.852E-04	1.125E-15	0.000E+00
648	1	2.599E-11	-1.388E-11	-2.009E-01	-5.205E-04	9.539E-05	0.000E+00
649	1	2.599E-11	-1.868E-11	-2.030E-01	-5.340E-04	7.233E-05	0.000E+00
650	1	3.129E-11	1.835E-11	-2.196E-01	-5.182E-04	-8.314E-05	0.000E+00
651	1	3.129E-11	1.355E-11	-2.170E-01	-5.097E-04	-9.911E-05	0.000E+00
652	1	3.129E-11	-1.648E-13	-2.103E-01	-4.976E-04	1.086E-15	0.000E+00
653	1	3.129E-11	-1.388E-11	-2.170E-01	-5.097E-04	9.911E-05	0.000E+00
654	1	3.129E-11	-1.868E-11	-2.196E-01	-5.182E-04	8.314E-05	0.000E+00
655	1	-3.595E-04	1.368E-03	-2.151E-01	4.980E-04	-8.503E-05	0.000E+00
656	1	-4.613E-04	1.360E-03	-2.126E-01	4.896E-04	-9.930E-05	0.000E+00
657	1	-2.435E-04	5.822E-04	-2.060E-01	4.811E-04	-1.730E-07	0.000E+00
658	1	-2.945E-05	1.146E-03	-2.126E-01	4.891E-04	9.914E-05	0.000E+00
659	1	-1.335E-04	1.073E-03	-2.151E-01	4.974E-04	8.501E-05	0.000E+00
660	1	-3.501E-04	1.235E-03	-1.993E-01	5.148E-04	-7.380E-05	0.000E+00
661	1	-2.976E-04	1.455E-03	-1.971E-01	4.982E-04	-9.609E-05	0.000E+00
662	1	-2.026E-04	4.852E-04	-1.908E-01	4.716E-04	-7.034E-08	0.000E+00
663	1	-1.072E-04	1.243E-03	-1.971E-01	4.975E-04	9.604E-05	0.000E+00
664	1	-5.377E-05	9.370E-04	-1.992E-01	5.143E-04	7.379E-05	0.000E+00
665	1	-2.765E-04	1.016E-03	-1.834E-01	4.529E-04	-4.625E-05	0.000E+00
666	1	-2.322E-04	9.468E-04	-1.815E-01	4.506E-04	-7.750E-05	0.000E+00
667	1	-1.599E-04	5.021E-04	-1.766E-01	4.048E-04	1.019E-08	0.000E+00
668	1	-8.584E-05	7.234E-04	-1.815E-01	4.504E-04	7.753E-05	0.000E+00
669	1	-4.043E-05	7.122E-04	-1.834E-01	4.527E-04	4.627E-05	0.000E+00
670	1	-2.211E-05	1.652E-04	-1.507E-01	5.827E-16	-7.615E-05	0.000E+00
671	1	2.815E-06	1.224E-04	-1.486E-01	5.630E-16	-6.971E-05	0.000E+00
672	1	1.432E-05	-1.271E-13	-1.431E-01	4.911E-16	4.972E-08	0.000E+00
673	1	2.710E-05	-1.224E-04	-1.486E-01	4.670E-16	6.979E-05	0.000E+00

674	1	5.291E-05	-1.652E-04	-1.507E-01	4.503E-16	7.625E-05	0.000E+00
675	1	8.596E-05	-6.861E-04	-1.834E-01	-4.529E-04	-4.625E-05	0.000E+00
676	1	1.302E-04	-7.021E-04	-1.815E-01	-4.506E-04	-7.750E-05	0.000E+00
677	1	2.025E-04	-5.021E-04	-1.766E-01	-4.048E-04	1.019E-08	0.000E+00
678	1	2.766E-04	-9.682E-04	-1.815E-01	-4.504E-04	7.753E-05	0.000E+00
679	1	3.220E-04	-1.043E-03	-1.834E-01	-4.527E-04	4.627E-05	0.000E+00
680	1	1.069E-04	-9.045E-04	-1.993E-01	-5.148E-04	-7.380E-05	0.000E+00
681	1	1.594E-04	-1.210E-03	-1.971E-01	-4.982E-04	-9.609E-05	0.000E+00
682	1	2.545E-04	-4.852E-04	-1.908E-01	-4.716E-04	-7.034E-08	0.000E+00
683	1	3.499E-04	-1.487E-03	-1.971E-01	-4.975E-04	9.604E-05	0.000E+00
684	1	4.033E-04	-1.267E-03	-1.992E-01	-5.143E-04	7.379E-05	0.000E+00
685	1	1.922E-04	-1.037E-03	-2.151E-01	-4.980E-04	-8.503E-05	0.000E+00
686	1	9.038E-05	-1.115E-03	-2.126E-01	-4.896E-04	-9.930E-05	0.000E+00
687	1	3.081E-04	-5.822E-04	-2.060E-01	-4.811E-04	-1.730E-07	0.000E+00
688	1	5.222E-04	-1.391E-03	-2.126E-01	-4.891E-04	9.914E-05	0.000E+00
689	1	4.181E-04	-1.403E-03	-2.151E-01	-4.974E-04	8.501E-05	0.000E+00
690	1	-2.051E-03	1.228E-03	-2.070E-01	5.182E-04	-8.314E-05	0.000E+00
691	1	-2.051E-03	9.100E-04	-2.045E-01	5.097E-04	-9.911E-05	0.000E+00
692	1	-2.051E-03	-8.046E-13	-1.977E-01	4.976E-04	-8.885E-16	0.000E+00
693	1	-2.051E-03	-9.100E-04	-2.045E-01	5.097E-04	9.911E-05	0.000E+00
694	1	-2.051E-03	-1.228E-03	-2.070E-01	5.182E-04	8.314E-05	0.000E+00
695	1	-1.699E-03	1.228E-03	-1.905E-01	5.340E-04	-7.233E-05	0.000E+00
696	1	-1.699E-03	9.100E-04	-1.883E-01	5.205E-04	-9.539E-05	0.000E+00
697	1	-1.699E-03	-8.046E-13	-1.821E-01	4.852E-04	-9.183E-16	0.000E+00
698	1	-1.699E-03	-9.100E-04	-1.883E-01	5.205E-04	9.539E-05	0.000E+00
699	1	-1.699E-03	-1.228E-03	-1.905E-01	5.340E-04	7.233E-05	0.000E+00
700	1	-1.348E-03	1.228E-03	-1.741E-01	4.629E-04	-4.495E-05	0.000E+00
701	1	-1.348E-03	9.100E-04	-1.723E-01	4.605E-04	-7.642E-05	0.000E+00
702	1	-1.348E-03	-8.046E-13	-1.675E-01	4.146E-04	-9.477E-16	0.000E+00
703	1	-1.348E-03	-9.100E-04	-1.723E-01	4.605E-04	7.642E-05	0.000E+00
704	1	-1.348E-03	-1.228E-03	-1.741E-01	4.629E-04	4.495E-05	0.000E+00
705	1	-2.286E-13	1.228E-03	-1.409E-01	3.958E-15	-7.456E-05	0.000E+00
706	1	-2.286E-13	9.100E-04	-1.388E-01	3.951E-15	-6.851E-05	0.000E+00
707	1	-2.286E-13	-8.046E-13	-1.333E-01	3.739E-15	-9.783E-16	0.000E+00
708	1	-2.286E-13	-9.100E-04	-1.388E-01	4.067E-15	6.851E-05	0.000E+00
709	1	-2.286E-13	-1.228E-03	-1.409E-01	4.103E-15	7.456E-05	0.000E+00
710	1	1.348E-03	1.228E-03	-1.741E-01	-4.629E-04	-4.495E-05	0.000E+00
711	1	1.348E-03	9.100E-04	-1.723E-01	-4.605E-04	-7.642E-05	0.000E+00
712	1	1.348E-03	-8.047E-13	-1.675E-01	-4.146E-04	-1.143E-15	0.000E+00
713	1	1.348E-03	-9.100E-04	-1.723E-01	-4.605E-04	7.642E-05	0.000E+00
714	1	1.348E-03	-1.228E-03	-1.741E-01	-4.629E-04	4.495E-05	0.000E+00
715	1	1.699E-03	1.228E-03	-1.905E-01	-5.340E-04	-7.233E-05	0.000E+00
716	1	1.699E-03	9.100E-04	-1.883E-01	-5.205E-04	-9.539E-05	0.000E+00
717	1	1.699E-03	-8.047E-13	-1.821E-01	-4.852E-04	-1.175E-15	0.000E+00
718	1	1.699E-03	-9.100E-04	-1.883E-01	-5.205E-04	9.539E-05	0.000E+00
719	1	1.699E-03	-1.228E-03	-1.905E-01	-5.340E-04	7.233E-05	0.000E+00
720	1	2.051E-03	1.228E-03	-2.070E-01	-5.182E-04	-8.314E-05	0.000E+00
721	1	2.051E-03	9.100E-04	-2.045E-01	-5.097E-04	-9.911E-05	0.000E+00
722	1	2.051E-03	-8.047E-13	-1.977E-01	-4.976E-04	-1.214E-15	0.000E+00
723	1	2.051E-03	-9.100E-04	-2.045E-01	-5.097E-04	9.911E-05	0.000E+00
724	1	2.051E-03	-1.228E-03	-2.070E-01	-5.182E-04	8.314E-05	0.000E+00
1000	1	2.510E-02	1.499E-05	4.091E-02	-9.335E-05	2.336E-03	-1.593E-07
1001	1	2.510E-02	-1.499E-05	4.091E-02	9.335E-05	2.336E-03	1.593E-07
1002	1	2.534E-02	1.333E-05	-1.202E-01	-9.335E-05	2.336E-03	-1.593E-07
1003	1	2.534E-02	-1.333E-05	-1.202E-01	9.335E-05	2.336E-03	1.593E-07
1004	1	2.581E-02	2.942E-06	-5.480E-01	-2.572E-04	2.261E-03	-3.133E-07
1005	1	2.581E-02	-2.942E-06	-5.480E-01	2.572E-04	2.261E-03	3.133E-07
1006	1	2.677E-02	-8.833E-07	-1.536E+00	-3.340E-04	1.416E-03	-3.180E-07
1007	1	2.677E-02	8.833E-07	-1.536E+00	3.340E-04	1.416E-03	3.180E-07
1008	1	2.715E-02	7.347E-08	-1.922E+00	-3.724E-04	2.510E-05	-3.648E-07
1009	1	2.715E-02	-7.347E-08	-1.922E+00	3.724E-04	2.510E-05	3.648E-07
1010	1	2.680E-02	2.322E-07	-1.562E+00	-3.340E-04	-1.366E-03	-3.246E-07

1011	1	2.680E-02	-2.322E-07	-1.562E+00	3.340E-04	-1.366E-03	3.246E-07
1012	1	2.586E-02	-8.481E-07	-5.991E-01	-2.572E-04	-2.211E-03	-2.688E-07
1013	1	2.586E-02	8.481E-07	-5.991E-01	2.572E-04	-2.211E-03	2.688E-07
1014	1	2.540E-02	4.870E-07	-1.805E-01	-9.335E-05	-2.286E-03	-9.471E-08
1015	1	2.540E-02	-4.870E-07	-1.805E-01	9.335E-05	-2.286E-03	9.471E-08
1016	1	2.540E-02	-6.048E-06	-2.280E-02	-9.335E-05	-2.286E-03	-9.471E-08
1017	1	2.540E-02	6.048E-06	-2.280E-02	9.335E-05	-2.286E-03	9.471E-08
1018	1	-8.658E-04	3.548E-04	-2.059E-02	-9.335E-05	2.318E-03	-2.310E-07
1019	1	-8.242E-04	3.429E-04	-2.059E-02	9.335E-05	2.318E-03	-4.255E-08
1020	1	-8.658E-04	3.389E-04	-1.805E-01	-9.335E-05	2.318E-03	-2.310E-07
1021	1	-8.242E-04	3.399E-04	-1.805E-01	9.335E-05	2.318E-03	-4.255E-08
1022	1	-4.010E-04	3.156E-04	-6.049E-01	-2.572E-04	2.243E-03	-4.046E-07
1023	1	-3.594E-04	3.137E-04	-6.049E-01	2.572E-04	2.243E-03	1.311E-07
1024	1	5.534E-04	2.454E-04	-1.584E+00	-3.340E-04	1.398E-03	-4.618E-07
1025	1	5.951E-04	2.446E-04	-1.584E+00	3.340E-04	1.398E-03	1.882E-07
1026	1	9.200E-04	1.625E-04	-1.960E+00	-3.724E-04	7.009E-06	-5.854E-07
1027	1	9.616E-04	1.881E-04	-1.960E+00	3.724E-04	7.009E-06	3.119E-07
1028	1	5.604E-04	2.187E-04	-1.591E+00	-3.340E-04	-1.384E-03	6.870E-07
1029	1	6.021E-04	-7.617E-06	-1.591E+00	3.340E-04	-1.384E-03	-9.606E-07
1030	1	-3.870E-04	-3.302E-04	-6.192E-01	-2.572E-04	-2.229E-03	-8.161E-06
1031	1	-3.453E-04	4.020E-04	-6.192E-01	2.572E-04	-2.229E-03	7.887E-06
1032	1	-8.490E-04	-2.398E-03	-1.973E-01	-9.335E-05	-2.304E-03	-1.149E-05
1033	1	-8.074E-04	2.421E-03	-1.973E-01	9.335E-05	-2.304E-03	1.122E-05
1034	1	-1.079E-03	-3.182E-03	-3.838E-02	-9.335E-05	-2.304E-03	-1.149E-05
1035	1	-1.038E-03	3.185E-03	-3.838E-02	9.335E-05	-2.304E-03	1.122E-05
1036	1	6.474E-04	-3.259E-03	-3.786E-02	-9.336E-05	2.312E-03	1.126E-05
1037	1	6.890E-04	3.255E-03	-3.786E-02	9.336E-05	2.312E-03	-1.154E-05
1038	1	8.785E-04	-2.472E-03	-1.973E-01	-9.336E-05	2.312E-03	1.126E-05
1039	1	9.201E-04	2.450E-03	-1.973E-01	9.336E-05	2.312E-03	-1.154E-05
1040	1	1.342E-03	-4.080E-04	-6.206E-01	-2.572E-04	2.236E-03	7.512E-06
1041	1	1.384E-03	3.362E-04	-6.206E-01	2.572E-04	2.236E-03	-7.786E-06
1042	1	2.293E-03	9.512E-06	-1.596E+00	-3.340E-04	1.391E-03	-1.634E-06
1043	1	2.335E-03	-2.206E-04	-1.596E+00	3.340E-04	1.391E-03	1.360E-06
1044	1	2.656E-03	-1.884E-04	-1.969E+00	-3.724E-04	3.741E-07	-4.151E-07
1045	1	2.698E-03	-1.622E-04	-1.969E+00	3.724E-04	3.741E-07	1.415E-07
1046	1	2.293E-03	-2.441E-04	-1.596E+00	-3.340E-04	-1.391E-03	-4.609E-07
1047	1	2.335E-03	-2.459E-04	-1.596E+00	3.340E-04	-1.391E-03	1.873E-07
1048	1	1.343E-03	-3.154E-04	-6.213E-01	-2.572E-04	-2.236E-03	-4.066E-07
1049	1	1.384E-03	-3.139E-04	-6.213E-01	2.572E-04	-2.236E-03	1.331E-07
1050	1	8.794E-04	-3.389E-04	-1.982E-01	-9.335E-05	-2.311E-03	-2.320E-07
1051	1	9.210E-04	-3.399E-04	-1.982E-01	9.335E-05	-2.311E-03	-4.155E-08
1052	1	8.794E-04	-3.550E-04	-3.881E-02	-9.335E-05	-2.311E-03	-2.320E-07
1053	1	9.210E-04	-3.427E-04	-3.881E-02	9.335E-05	-2.311E-03	-4.155E-08
1054	1	-9.096E-04	1.363E-03	-3.873E-02	-9.335E-05	2.312E-03	-6.262E-07
1055	1	-7.477E-04	1.351E-03	-3.873E-02	9.335E-05	2.312E-03	-4.378E-07
1056	1	-9.096E-04	1.320E-03	-1.982E-01	-9.335E-05	2.312E-03	-6.262E-07
1057	1	-7.477E-04	1.321E-03	-1.982E-01	9.335E-05	2.312E-03	-4.378E-07
1058	1	-4.460E-04	1.225E-03	-6.215E-01	-2.572E-04	2.237E-03	-7.998E-07
1059	1	-2.841E-04	1.223E-03	-6.215E-01	2.572E-04	2.237E-03	-2.642E-07
1060	1	5.053E-04	9.535E-04	-1.597E+00	-3.340E-04	1.392E-03	-8.570E-07
1061	1	6.672E-04	9.527E-04	-1.597E+00	3.340E-04	1.392E-03	-2.070E-07
1062	1	8.688E-04	6.689E-04	-1.970E+00	-3.724E-04	8.396E-07	-9.806E-07
1063	1	1.031E-03	6.946E-04	-1.970E+00	3.724E-04	8.396E-07	-8.335E-08
1064	1	5.061E-04	5.236E-04	-1.598E+00	-3.340E-04	-1.390E-03	2.918E-07
1065	1	6.681E-04	2.973E-04	-1.598E+00	3.340E-04	-1.390E-03	-1.356E-06
1066	1	-4.443E-04	-2.264E-04	-6.232E-01	-2.572E-04	-2.235E-03	-8.556E-06
1067	1	-2.824E-04	5.057E-04	-6.232E-01	2.572E-04	-2.235E-03	7.492E-06
1068	1	-9.076E-04	-2.366E-03	-2.002E-01	-9.335E-05	-2.310E-03	-1.189E-05
1069	1	-7.457E-04	2.453E-03	-2.002E-01	9.335E-05	-2.310E-03	1.082E-05
1070	1	-1.139E-03	-3.177E-03	-4.086E-02	-9.335E-05	-2.310E-03	-1.189E-05
1071	1	-9.767E-04	3.190E-03	-4.086E-02	9.335E-05	-2.310E-03	1.082E-05
1072	1	5.886E-04	-3.264E-03	-4.066E-02	-9.336E-05	2.313E-03	1.087E-05

1073	1	7.505E-04	3.250E-03	-4.066E-02	9.336E-05	2.313E-03	-1.193E-05
1074	1	8.199E-04	-2.504E-03	-2.002E-01	-9.336E-05	2.313E-03	1.087E-05
1075	1	9.818E-04	2.418E-03	-2.002E-01	9.336E-05	2.313E-03	-1.193E-05
1076	1	1.284E-03	-5.117E-04	-6.238E-01	-2.572E-04	2.238E-03	7.117E-06
1077	1	1.446E-03	2.324E-04	-6.238E-01	2.572E-04	2.238E-03	-8.181E-06
1078	1	2.236E-03	-2.954E-04	-1.600E+00	-3.340E-04	1.393E-03	-2.029E-06
1079	1	2.398E-03	-5.255E-04	-1.600E+00	3.340E-04	1.393E-03	9.650E-07
1080	1	2.600E-03	-6.948E-04	-1.974E+00	-3.724E-04	1.996E-06	-8.103E-07
1081	1	2.762E-03	-6.687E-04	-1.974E+00	3.724E-04	1.996E-06	-2.537E-07
1082	1	2.238E-03	-9.522E-04	-1.602E+00	-3.340E-04	-1.389E-03	-8.561E-07
1083	1	2.400E-03	-9.540E-04	-1.602E+00	3.340E-04	-1.389E-03	-2.079E-07
1084	1	1.288E-03	-1.225E-03	-6.278E-01	-2.572E-04	-2.234E-03	-8.018E-07
1085	1	1.450E-03	-1.223E-03	-6.278E-01	2.572E-04	-2.234E-03	-2.622E-07
1086	1	8.247E-04	-1.320E-03	-2.050E-01	-9.335E-05	-2.309E-03	-6.272E-07
1087	1	9.866E-04	-1.321E-03	-2.050E-01	9.335E-05	-2.309E-03	-4.368E-07
1088	1	8.247E-04	-1.363E-03	-4.573E-02	-9.335E-05	-2.309E-03	-6.272E-07
1089	1	9.866E-04	-1.351E-03	-4.573E-02	9.335E-05	-2.309E-03	-4.368E-07
1090	1	-7.157E-04	-1.739E-03	-4.586E-02	-9.335E-05	2.307E-03	5.900E-07
1091	1	-9.239E-04	-1.751E-03	-4.586E-02	9.335E-05	2.307E-03	7.785E-07
1092	1	-7.157E-04	-1.698E-03	-2.050E-01	-9.335E-05	2.308E-03	5.900E-07
1093	1	-9.239E-04	-1.697E-03	-2.050E-01	9.335E-05	2.308E-03	7.785E-07
1094	1	-2.530E-04	-1.573E-03	-6.275E-01	-2.572E-04	2.232E-03	4.164E-07
1095	1	-4.612E-04	-1.575E-03	-6.275E-01	2.572E-04	2.232E-03	9.521E-07
1096	1	6.960E-04	-1.225E-03	-1.601E+00	-3.340E-04	1.387E-03	3.592E-07
1097	1	4.878E-04	-1.226E-03	-1.601E+00	3.340E-04	1.387E-03	1.009E-06
1098	1	1.057E-03	-8.897E-04	-1.972E+00	-3.724E-04	-3.815E-06	2.356E-07
1099	1	8.489E-04	-8.640E-04	-1.972E+00	3.724E-04	-3.815E-06	1.133E-06
1100	1	6.922E-04	-4.148E-04	-1.597E+00	-3.340E-04	-1.395E-03	1.508E-06
1101	1	4.839E-04	-6.410E-04	-1.597E+00	3.340E-04	-1.395E-03	-1.396E-07
1102	1	-2.606E-04	-5.457E-04	-6.197E-01	-2.572E-04	-2.240E-03	-7.340E-06
1103	1	-4.689E-04	1.865E-04	-6.197E-01	2.572E-04	-2.240E-03	8.708E-06
1104	1	-7.248E-04	-2.465E-03	-1.959E-01	-9.335E-05	-2.315E-03	-1.067E-05
1105	1	-9.331E-04	2.354E-03	-1.959E-01	9.335E-05	-2.315E-03	1.204E-05
1106	1	-9.563E-04	-3.192E-03	-3.618E-02	-9.335E-05	-2.315E-03	-1.067E-05
1107	1	-1.165E-03	3.175E-03	-3.618E-02	9.335E-05	-2.315E-03	1.204E-05
1108	1	7.714E-04	-3.248E-03	-3.630E-02	-9.336E-05	2.313E-03	1.209E-05
1109	1	5.631E-04	3.265E-03	-3.630E-02	9.336E-05	2.313E-03	-1.072E-05
1110	1	1.003E-03	-2.405E-03	-1.959E-01	-9.336E-05	2.313E-03	1.209E-05
1111	1	7.944E-04	2.517E-03	-1.959E-01	9.336E-05	2.313E-03	-1.072E-05
1112	1	1.467E-03	-1.924E-04	-6.194E-01	-2.572E-04	2.238E-03	8.333E-06
1113	1	1.258E-03	5.517E-04	-6.194E-01	2.572E-04	2.238E-03	-6.964E-06
1114	1	2.418E-03	6.429E-04	-1.596E+00	-3.340E-04	1.393E-03	-8.128E-07
1115	1	2.210E-03	4.129E-04	-1.596E+00	3.340E-04	1.393E-03	2.181E-06
1116	1	2.783E-03	8.638E-04	-1.969E+00	-3.724E-04	2.024E-06	4.060E-07
1117	1	2.574E-03	8.899E-04	-1.969E+00	3.724E-04	2.024E-06	9.625E-07
1118	1	2.420E-03	1.227E-03	-1.598E+00	-3.340E-04	-1.389E-03	3.601E-07
1119	1	2.212E-03	1.225E-03	-1.598E+00	3.340E-04	-1.389E-03	1.008E-06
1120	1	1.471E-03	1.573E-03	-6.235E-01	-2.572E-04	-2.234E-03	4.144E-07
1121	1	1.262E-03	1.575E-03	-6.235E-01	2.572E-04	-2.234E-03	9.541E-07
1122	1	1.008E-03	1.698E-03	-2.007E-01	-9.335E-05	-2.309E-03	5.890E-07
1123	1	7.993E-04	1.697E-03	-2.007E-01	9.335E-05	-2.309E-03	7.795E-07
1124	1	1.008E-03	1.739E-03	-4.143E-02	-9.335E-05	-2.309E-03	5.890E-07
1125	1	7.993E-04	1.751E-03	-4.143E-02	9.335E-05	-2.309E-03	7.795E-07
1126	1	-8.310E-04	3.857E-05	-4.184E-02	-9.335E-05	2.326E-03	-1.070E-07
1127	1	-8.271E-04	2.659E-05	-4.184E-02	9.335E-05	2.326E-03	8.145E-08
1128	1	-8.310E-04	3.119E-05	-2.023E-01	-9.335E-05	2.326E-03	-1.070E-07
1129	1	-8.271E-04	3.221E-05	-2.023E-01	9.335E-05	2.326E-03	8.145E-08
1130	1	-3.647E-04	3.030E-05	-6.281E-01	-2.572E-04	2.250E-03	-2.806E-07
1131	1	-3.608E-04	2.847E-05	-6.281E-01	2.572E-04	2.250E-03	2.551E-07
1132	1	5.924E-04	2.329E-05	-1.610E+00	-3.340E-04	1.400E-03	-3.378E-07
1133	1	5.963E-04	2.248E-05	-1.610E+00	3.340E-04	1.400E-03	3.123E-07
1134	1	9.579E-04	3.507E-06	-1.985E+00	-3.724E-04	-1.360E-07	-4.617E-07

1135	1	9.618E-04	2.923E-05	-1.985E+00	3.724E-04	-1.360E-07	4.362E-07
1136	1	5.922E-04	1.234E-04	-1.609E+00	-3.340E-04	-1.401E-03	8.155E-07
1137	1	5.961E-04	-1.037E-04	-1.609E+00	3.340E-04	-1.401E-03	-8.411E-07
1138	1	-3.650E-04	-3.642E-04	-6.278E-01	-2.572E-04	-2.250E-03	-8.067E-06
1139	1	-3.611E-04	3.709E-04	-6.278E-01	2.572E-04	-2.250E-03	8.041E-06
1140	1	-8.314E-04	-2.418E-03	-2.019E-01	-9.335E-05	-2.326E-03	-1.141E-05
1141	1	-8.275E-04	2.420E-03	-2.019E-01	9.335E-05	-2.326E-03	1.139E-05
1142	1	-1.064E-03	-3.196E-03	-4.150E-02	-9.335E-05	-2.326E-03	-1.141E-05
1143	1	-1.060E-03	3.196E-03	-4.150E-02	9.335E-05	-2.326E-03	1.139E-05
1144	1	6.702E-04	-3.270E-03	-4.142E-02	-9.336E-05	2.327E-03	1.143E-05
1145	1	6.741E-04	3.270E-03	-4.142E-02	9.336E-05	2.327E-03	-1.146E-05
1146	1	9.029E-04	-2.472E-03	-2.019E-01	-9.336E-05	2.327E-03	1.143E-05
1147	1	9.068E-04	2.470E-03	-2.019E-01	9.336E-05	2.327E-03	-1.146E-05
1148	1	1.369E-03	-3.769E-04	-6.280E-01	-2.572E-04	2.251E-03	7.667E-06
1149	1	1.373E-03	3.702E-04	-6.280E-01	2.572E-04	2.251E-03	-7.693E-06
1150	1	2.327E-03	1.056E-04	-1.610E+00	-3.340E-04	1.402E-03	-1.514E-06
1151	1	2.331E-03	-1.253E-04	-1.610E+00	3.340E-04	1.402E-03	1.489E-06
1152	1	2.693E-03	-2.950E-05	-1.986E+00	-3.724E-04	1.162E-06	-2.907E-07
1153	1	2.697E-03	-3.237E-06	-1.986E+00	3.724E-04	1.162E-06	2.652E-07
1154	1	2.328E-03	-2.199E-05	-1.611E+00	-3.340E-04	-1.399E-03	-3.369E-07
1155	1	2.332E-03	-2.378E-05	-1.611E+00	3.340E-04	-1.399E-03	3.113E-07
1156	1	1.372E-03	-3.016E-05	-6.303E-01	-2.572E-04	-2.249E-03	-2.826E-07
1157	1	1.376E-03	-2.861E-05	-6.303E-01	2.572E-04	-2.249E-03	2.571E-07
1158	1	9.057E-04	-3.124E-05	-2.047E-01	-9.335E-05	-2.325E-03	-1.080E-07
1159	1	9.096E-04	-3.216E-05	-2.047E-01	9.335E-05	-2.325E-03	8.245E-08
1160	1	9.057E-04	-3.869E-05	-4.437E-02	-9.335E-05	-2.325E-03	-1.080E-07
1161	1	9.096E-04	-2.647E-05	-4.437E-02	9.335E-05	-2.325E-03	8.245E-08
1162	1	-8.370E-04	2.098E-04	-4.372E-02	-9.335E-05	2.311E-03	-1.741E-07
1163	1	-8.127E-04	1.978E-04	-4.372E-02	9.335E-05	2.311E-03	1.432E-08
1164	1	-8.370E-04	1.978E-04	-2.031E-01	-9.335E-05	2.311E-03	-1.741E-07
1165	1	-8.127E-04	1.988E-04	-2.031E-01	9.335E-05	2.311E-03	1.432E-08
1166	1	-3.736E-04	1.847E-04	-6.263E-01	-2.572E-04	2.236E-03	-3.477E-07
1167	1	-3.493E-04	1.829E-04	-6.263E-01	2.572E-04	2.236E-03	1.879E-07
1168	1	5.772E-04	1.436E-04	-1.601E+00	-3.340E-04	1.391E-03	-4.049E-07
1169	1	6.015E-04	1.427E-04	-1.601E+00	3.340E-04	1.391E-03	2.451E-07
1170	1	9.402E-04	8.958E-05	-1.974E+00	-3.724E-04	-1.948E-07	-5.285E-07
1171	1	9.645E-04	1.152E-04	-1.974E+00	3.724E-04	-1.948E-07	3.687E-07
1172	1	5.770E-04	1.748E-04	-1.601E+00	-3.340E-04	-1.391E-03	7.439E-07
1173	1	6.013E-04	-5.149E-05	-1.601E+00	3.340E-04	-1.391E-03	-9.037E-07
1174	1	-3.740E-04	-3.451E-04	-6.259E-01	-2.572E-04	-2.236E-03	-8.104E-06
1175	1	-3.497E-04	3.871E-04	-6.259E-01	2.572E-04	-2.236E-03	7.944E-06
1176	1	-8.375E-04	-2.403E-03	-2.027E-01	-9.335E-05	-2.312E-03	-1.143E-05
1177	1	-8.131E-04	2.416E-03	-2.027E-01	9.335E-05	-2.312E-03	1.127E-05
1178	1	-1.069E-03	-3.183E-03	-4.323E-02	-9.335E-05	-2.311E-03	-1.143E-05
1179	1	-1.044E-03	3.185E-03	-4.323E-02	9.335E-05	-2.311E-03	1.127E-05
1180	1	6.592E-04	-3.258E-03	-4.341E-02	-9.336E-05	2.309E-03	1.132E-05
1181	1	6.835E-04	3.256E-03	-4.341E-02	9.336E-05	2.309E-03	-1.148E-05
1182	1	8.900E-04	-2.467E-03	-2.027E-01	-9.336E-05	2.309E-03	1.132E-05
1183	1	9.144E-04	2.454E-03	-2.027E-01	9.336E-05	2.309E-03	-1.148E-05
1184	1	1.353E-03	-3.930E-04	-6.254E-01	-2.572E-04	2.234E-03	7.569E-06
1185	1	1.377E-03	3.511E-04	-6.254E-01	2.572E-04	2.234E-03	-7.729E-06
1186	1	2.303E-03	5.339E-05	-1.599E+00	-3.340E-04	1.389E-03	-1.577E-06
1187	1	2.327E-03	-1.767E-04	-1.599E+00	3.340E-04	1.389E-03	1.417E-06
1188	1	2.665E-03	-1.155E-04	-1.971E+00	-3.724E-04	-2.459E-06	-3.582E-07
1189	1	2.689E-03	-8.931E-05	-1.971E+00	3.724E-04	-2.459E-06	1.984E-07
1190	1	2.300E-03	-1.423E-04	-1.597E+00	-3.340E-04	-1.393E-03	-4.040E-07
1191	1	2.325E-03	-1.440E-04	-1.597E+00	3.340E-04	-1.393E-03	2.442E-07
1192	1	1.348E-03	-1.846E-04	-6.204E-01	-2.572E-04	-2.239E-03	-3.497E-07
1193	1	1.372E-03	-1.830E-04	-6.204E-01	2.572E-04	-2.239E-03	1.899E-07
1194	1	8.841E-04	-1.978E-04	-1.968E-01	-9.335E-05	-2.314E-03	-1.751E-07
1195	1	9.085E-04	-1.987E-04	-1.968E-01	9.335E-05	-2.314E-03	1.532E-08
1196	1	8.841E-04	-2.099E-04	-3.717E-02	-9.335E-05	-2.314E-03	-1.751E-07

1197	1	9.085E-04	-1.977E-04	-3.717E-02	9.335E-05	-2.314E-03	1.532E-08
1198	1	-8.428E-04	1.896E-04	-3.713E-02	-9.335E-05	2.314E-03	-1.662E-07
1199	1	-8.209E-04	1.776E-04	-3.713E-02	9.335E-05	2.314E-03	2.225E-08
1200	1	-8.428E-04	1.781E-04	-1.968E-01	-9.335E-05	2.314E-03	-1.662E-07
1201	1	-8.209E-04	1.791E-04	-1.968E-01	9.335E-05	2.314E-03	2.225E-08
1202	1	-3.787E-04	1.665E-04	-6.205E-01	-2.572E-04	2.239E-03	-3.398E-07
1203	1	-3.568E-04	1.647E-04	-6.205E-01	2.572E-04	2.239E-03	1.959E-07
1204	1	5.737E-04	1.293E-04	-1.597E+00	-3.340E-04	1.394E-03	-3.970E-07
1205	1	5.956E-04	1.285E-04	-1.597E+00	3.340E-04	1.394E-03	2.531E-07
1206	1	9.383E-04	7.942E-05	-1.972E+00	-3.724E-04	3.069E-06	-5.206E-07
1207	1	9.602E-04	1.050E-04	-1.972E+00	3.724E-04	3.069E-06	3.767E-07
1208	1	5.768E-04	1.687E-04	-1.600E+00	-3.340E-04	-1.388E-03	7.518E-07
1209	1	5.987E-04	-5.761E-05	-1.600E+00	3.340E-04	-1.388E-03	-8.958E-07
1210	1	-3.726E-04	-3.472E-04	-6.267E-01	-2.572E-04	-2.233E-03	-8.096E-06
1211	1	-3.507E-04	3.850E-04	-6.267E-01	2.572E-04	-2.233E-03	7.952E-06
1212	1	-8.354E-04	-2.404E-03	-2.041E-01	-9.335E-05	-2.308E-03	-1.143E-05
1213	1	-8.135E-04	2.415E-03	-2.041E-01	9.335E-05	-2.308E-03	1.128E-05
1214	1	-1.066E-03	-3.183E-03	-4.492E-02	-9.335E-05	-2.308E-03	-1.143E-05
1215	1	-1.044E-03	3.184E-03	-4.492E-02	9.335E-05	-2.308E-03	1.128E-05
1216	1	6.611E-04	-3.258E-03	-4.479E-02	-9.336E-05	2.310E-03	1.133E-05
1217	1	6.830E-04	3.256E-03	-4.479E-02	9.336E-05	2.310E-03	-1.147E-05
1218	1	8.921E-04	-2.467E-03	-2.041E-01	-9.336E-05	2.310E-03	1.133E-05
1219	1	9.140E-04	2.455E-03	-2.041E-01	9.336E-05	2.310E-03	-1.147E-05
1220	1	1.355E-03	-3.909E-04	-6.271E-01	-2.572E-04	2.235E-03	7.577E-06
1221	1	1.377E-03	3.532E-04	-6.271E-01	2.572E-04	2.235E-03	-7.721E-06
1222	1	2.306E-03	5.951E-05	-1.602E+00	-3.340E-04	1.390E-03	-1.569E-06
1223	1	2.327E-03	-1.706E-04	-1.602E+00	3.340E-04	1.390E-03	1.425E-06
1224	1	2.668E-03	-1.053E-04	-1.974E+00	-3.724E-04	-1.252E-06	-3.503E-07
1225	1	2.690E-03	-7.915E-05	-1.974E+00	3.724E-04	-1.252E-06	2.063E-07
1226	1	2.304E-03	-1.280E-04	-1.600E+00	-3.340E-04	-1.392E-03	-3.961E-07
1227	1	2.326E-03	-1.298E-04	-1.600E+00	3.340E-04	-1.392E-03	2.521E-07
1228	1	1.353E-03	-1.663E-04	-6.245E-01	-2.572E-04	-2.237E-03	-3.418E-07
1229	1	1.375E-03	-1.648E-04	-6.245E-01	2.572E-04	-2.237E-03	1.979E-07
1230	1	8.891E-04	-1.781E-04	-2.011E-01	-9.335E-05	-2.313E-03	-1.672E-07
1231	1	9.110E-04	-1.791E-04	-2.011E-01	9.335E-05	-2.313E-03	2.325E-08
1232	1	8.891E-04	-1.897E-04	-4.161E-02	-9.335E-05	-2.312E-03	-1.672E-07
1233	1	9.110E-04	-1.775E-04	-4.161E-02	9.335E-05	-2.312E-03	2.325E-08
1234	1	-1.053E-03	3.836E-03	-4.181E-02	-9.335E-05	2.310E-03	-1.596E-06
1235	1	-5.959E-04	3.824E-03	-4.181E-02	9.335E-05	2.310E-03	-1.407E-06
1236	1	-1.053E-03	3.725E-03	-2.011E-01	-9.335E-05	2.310E-03	-1.596E-06
1237	1	-5.959E-04	3.726E-03	-2.011E-01	9.335E-05	2.310E-03	-1.407E-06
1238	1	-5.898E-04	3.455E-03	-6.240E-01	-2.572E-04	2.234E-03	-1.769E-06
1239	1	-1.327E-04	3.453E-03	-6.240E-01	2.572E-04	2.234E-03	-1.234E-06
1240	1	3.603E-04	2.690E-03	-1.598E+00	-3.340E-04	1.389E-03	-1.827E-06
1241	1	8.174E-04	2.690E-03	-1.598E+00	3.340E-04	1.389E-03	-1.176E-06
1242	1	7.226E-04	1.911E-03	-1.970E+00	-3.724E-04	-1.586E-06	-1.950E-06
1243	1	1.180E-03	1.937E-03	-1.970E+00	3.724E-04	-1.586E-06	-1.053E-06
1244	1	3.587E-04	1.272E-03	-1.597E+00	-3.340E-04	-1.393E-03	-6.777E-07
1245	1	8.158E-04	1.045E-03	-1.597E+00	3.340E-04	-1.393E-03	-2.325E-06
1246	1	-5.930E-04	2.805E-05	-6.208E-01	-2.572E-04	-2.238E-03	-9.525E-06
1247	1	-1.359E-04	7.602E-04	-6.208E-01	2.572E-04	-2.238E-03	6.522E-06
1248	1	-1.057E-03	-2.287E-03	-1.973E-01	-9.335E-05	-2.313E-03	-1.286E-05
1249	1	-5.997E-04	2.532E-03	-1.973E-01	9.335E-05	-2.313E-03	9.853E-06
1250	1	-1.288E-03	-3.165E-03	-3.778E-02	-9.335E-05	-2.313E-03	-1.286E-05
1251	1	-8.309E-04	3.202E-03	-3.778E-02	9.335E-05	-2.313E-03	9.853E-06
1252	1	4.401E-04	-3.276E-03	-3.814E-02	-9.336E-05	2.308E-03	9.900E-06
1253	1	8.971E-04	3.238E-03	-3.814E-02	9.336E-05	2.308E-03	-1.290E-05
1254	1	6.708E-04	-2.583E-03	-1.973E-01	-9.336E-05	2.308E-03	9.900E-06
1255	1	1.128E-03	2.339E-03	-1.973E-01	9.336E-05	2.308E-03	-1.290E-05
1256	1	1.134E-03	-7.662E-04	-6.198E-01	-2.572E-04	2.232E-03	6.147E-06
1257	1	1.591E-03	-2.209E-05	-6.198E-01	2.572E-04	2.232E-03	-9.150E-06
1258	1	2.083E-03	-1.043E-03	-1.593E+00	-3.340E-04	1.387E-03	-2.999E-06

1259	1	2.540E-03	-1.273E-03	-1.593E+00	3.340E-04	1.387E-03	-4.472E-09
1260	1	2.444E-03	-1.937E-03	-1.964E+00	-3.724E-04	-3.637E-06	-1.780E-06
1261	1	2.901E-03	-1.911E-03	-1.964E+00	3.724E-04	-3.637E-06	-1.223E-06
1262	1	2.079E-03	-2.689E-03	-1.589E+00	-3.340E-04	-1.395E-03	-1.826E-06
1263	1	2.536E-03	-2.691E-03	-1.589E+00	3.340E-04	-1.395E-03	-1.177E-06
1264	1	1.126E-03	-3.455E-03	-6.124E-01	-2.572E-04	-2.240E-03	-1.771E-06
1265	1	1.583E-03	-3.453E-03	-6.124E-01	2.572E-04	-2.240E-03	-1.232E-06
1266	1	6.620E-04	-3.726E-03	-1.886E-01	-9.335E-05	-2.315E-03	-1.597E-06
1267	1	1.119E-03	-3.726E-03	-1.886E-01	9.335E-05	-2.315E-03	-1.406E-06
1268	1	6.620E-04	-3.836E-03	-2.891E-02	-9.335E-05	-2.315E-03	-1.597E-06
1269	1	1.119E-03	-3.823E-03	-2.891E-02	9.335E-05	-2.315E-03	-1.406E-06
1270	1	-2.512E-02	6.049E-06	-3.113E-02	-9.335E-05	2.283E-03	-9.472E-08
1271	1	-2.512E-02	-6.049E-06	-3.113E-02	9.335E-05	2.283E-03	9.472E-08
1272	1	-2.512E-02	-4.867E-07	-1.886E-01	-9.335E-05	2.283E-03	-9.472E-08
1273	1	-2.512E-02	4.867E-07	-1.886E-01	9.335E-05	2.283E-03	9.472E-08
1274	1	-2.467E-02	8.473E-07	-6.066E-01	-2.572E-04	2.208E-03	-2.688E-07
1275	1	-2.467E-02	-8.473E-07	-6.066E-01	2.572E-04	2.208E-03	2.688E-07
1276	1	-2.373E-02	-2.395E-07	-1.567E+00	-3.340E-04	1.363E-03	-3.246E-07
1277	1	-2.373E-02	2.395E-07	-1.567E+00	3.340E-04	1.363E-03	3.246E-07
1278	1	-2.338E-02	7.193E-08	-1.926E+00	-3.724E-04	-2.848E-05	-3.639E-07
1279	1	-2.338E-02	-7.193E-08	-1.926E+00	3.724E-04	-2.848E-05	3.639E-07
1280	1	-2.376E-02	-3.979E-07	-1.538E+00	-3.340E-04	-1.419E-03	-3.310E-07
1281	1	-2.376E-02	3.979E-07	-1.538E+00	3.340E-04	-1.419E-03	3.310E-07
1282	1	-2.472E-02	1.203E-06	-5.486E-01	-2.572E-04	-2.265E-03	-2.253E-07
1283	1	-2.472E-02	-1.203E-06	-5.486E-01	2.572E-04	-2.265E-03	2.253E-07
1284	1	-2.519E-02	1.402E-05	-1.202E-01	-9.335E-05	-2.340E-03	-3.151E-08
1285	1	-2.519E-02	-1.402E-05	-1.202E-01	9.335E-05	-2.340E-03	3.151E-08
1286	1	-2.543E-02	2.118E-05	4.115E-02	-9.335E-05	-2.340E-03	-3.151E-08
1287	1	-2.543E-02	-2.118E-05	4.115E-02	9.335E-05	-2.340E-03	3.151E-08

FILE: defoc006.bin							
Caso di carico: 6 - Quasi Permanente (1xC1 + 1xC2 + 0.75xC3)							
Punto	Sest.	Sx (cm)	Sy (cm)	Sz (cm)	Rx (rad)	Ry (rad)	Rz (rad)
1	1	6.904E-31	-4.203E-31	-9.708E-02	-2.291E-16	5.777E-16	0.000E+00
2	1	4.511E-32	-3.695E-30	-9.990E-02	5.567E-16	1.256E-08	0.000E+00
3	1	-4.314E-30	-2.645E-30	-9.980E-02	-5.826E-17	3.771E-16	0.000E+00
4	1	1.486E-30	7.200E-31	-1.003E-01	3.206E-16	1.256E-08	0.000E+00
5	1	-2.626E-30	2.218E-30	-1.008E-01	-4.046E-20	5.902E-17	0.000E+00
6	1	-2.616E-30	4.963E-30	-9.968E-02	-5.469E-18	1.256E-08	0.000E+00
7	1	4.232E-31	8.032E-31	-1.002E-01	-2.252E-16	4.759E-16	0.000E+00
8	1	-2.148E-30	2.618E-30	-1.005E-01	2.309E-16	1.256E-08	0.000E+00
9	1	1.434E-31	1.991E-31	-1.006E-01	3.945E-16	8.000E-16	0.000E+00
10	1	1.373E-30	-2.226E-30	-1.007E-01	-2.532E-16	1.256E-08	0.000E+00
11	1	-7.838E-31	-6.293E-31	-9.958E-02	1.676E-16	-3.009E-16	0.000E+00
12	1	-4.524E-30	-8.780E-31	-1.009E-01	1.691E-16	1.256E-08	0.000E+00
13	1	-3.460E-31	-7.157E-32	-1.002E-01	8.207E-17	2.763E-16	0.000E+00
14	1	2.146E-30	6.184E-30	-9.990E-02	6.946E-17	1.256E-08	0.000E+00
15	1	1.639E-30	-3.400E-31	-9.833E-02	6.834E-16	-2.749E-16	0.000E+00
100	1	-9.809E-59	-1.705E-59	3.256E-02	-2.898E-05	5.501E-04	0.000E+00
101	1	-1.301E-45	-7.752E-46	-8.784E-03	-4.188E-05	5.608E-04	0.000E+00
102	1	-9.790E-33	-1.268E-32	-5.187E-02	-6.708E-05	6.002E-04	0.000E+00
103	1	-2.393E-43	3.758E-34	-1.022E-01	-8.970E-05	6.316E-04	0.000E+00
104	1	9.790E-33	-1.820E-32	-1.205E-01	-9.273E-05	6.556E-04	0.000E+00
105	1	2.826E-58	3.908E-59	2.958E-02	-9.789E-06	5.575E-04	0.000E+00
106	1	7.113E-46	-1.036E-45	-1.261E-02	-1.037E-05	5.775E-04	0.000E+00
107	1	4.277E-43	-2.350E-32	-5.760E-02	-9.422E-06	6.336E-04	0.000E+00
108	1	2.786E-30	-5.043E-19	-1.114E-01	-6.252E-07	6.704E-04	0.000E+00
109	1	1.398E-42	-1.000E-31	-1.299E-01	-1.571E-07	6.392E-04	0.000E+00
110	1	3.110E-49	-6.875E-50	2.949E-02	-1.517E-20	5.495E-04	0.000E+00
111	1	4.636E-45	4.512E-49	-1.196E-02	-1.701E-17	5.575E-04	0.000E+00
112	1	1.958E-32	1.032E-44	-5.496E-02	-3.656E-17	5.878E-04	0.000E+00
113	1	-3.957E-43	-5.363E-45	-1.046E-01	-6.816E-17	6.153E-04	0.000E+00

114	1	-1.958E-32	1.997E-44	-1.227E-01	-8.145E-17	6.497E-04	0.000E+00
115	1	-1.365E-35	7.340E-36	2.958E-02	9.789E-06	5.575E-04	0.000E+00
116	1	7.112E-46	1.036E-45	-1.261E-02	1.037E-05	5.775E-04	0.000E+00
117	1	3.254E-43	2.350E-32	-5.760E-02	9.422E-06	6.336E-04	0.000E+00
118	1	2.120E-30	5.043E-19	-1.114E-01	6.252E-07	6.704E-04	0.000E+00
119	1	9.427E-43	1.000E-31	-1.299E-01	1.571E-07	6.392E-04	0.000E+00
120	1	-2.364E-37	2.468E-37	3.256E-02	2.898E-05	5.501E-04	0.000E+00
121	1	2.843E-36	-1.010E-36	-8.784E-03	4.188E-05	5.608E-04	0.000E+00
122	1	-9.790E-33	1.268E-32	-5.187E-02	6.708E-05	6.002E-04	0.000E+00
123	1	-2.600E-43	-3.758E-34	-1.022E-01	8.970E-05	6.316E-04	0.000E+00
124	1	9.790E-33	1.820E-32	-1.205E-01	9.273E-05	6.556E-04	0.000E+00
125	1	-9.547E-33	-1.775E-32	-1.205E-01	-9.273E-05	-6.556E-04	0.000E+00
126	1	-2.268E-44	3.665E-34	-1.022E-01	-8.970E-05	-6.316E-04	0.000E+00
127	1	9.547E-33	-1.236E-32	-5.187E-02	-6.708E-05	-6.002E-04	0.000E+00
128	1	1.270E-45	3.180E-26	-8.783E-03	-4.188E-05	-5.608E-04	0.000E+00
129	1	2.547E-35	-2.193E-37	3.256E-02	-2.899E-05	-5.501E-04	0.000E+00
130	1	1.146E-43	-9.752E-32	-1.299E-01	-1.647E-07	-6.392E-04	0.000E+00
131	1	2.342E-31	-4.918E-19	-1.114E-01	-6.326E-07	-6.704E-04	0.000E+00
132	1	1.836E-43	-2.292E-32	-5.760E-02	-9.426E-06	-6.336E-04	0.000E+00
133	1	-6.900E-46	-1.008E-45	-1.261E-02	-1.037E-05	-5.775E-04	0.000E+00
134	1	-6.462E-36	-2.856E-37	2.957E-02	-9.791E-06	-5.575E-04	0.000E+00
135	1	1.909E-32	5.587E-44	-1.227E-01	-2.811E-16	-6.497E-04	0.000E+00
136	1	-3.225E-43	4.105E-45	-1.046E-01	-2.525E-16	-6.152E-04	0.000E+00
137	1	-1.909E-32	-5.530E-44	-5.496E-02	-1.609E-16	-5.878E-04	0.000E+00
138	1	-4.498E-45	-1.188E-48	-1.196E-02	-9.653E-17	-5.575E-04	0.000E+00
139	1	1.224E-34	-1.808E-35	2.949E-02	-4.621E-17	-5.495E-04	0.000E+00
140	1	1.225E-42	9.752E-32	-1.299E-01	1.647E-07	-6.392E-04	0.000E+00
141	1	2.551E-30	4.918E-19	-1.114E-01	6.326E-07	-6.704E-04	0.000E+00
142	1	5.462E-43	2.292E-32	-5.760E-02	9.426E-06	-6.336E-04	0.000E+00
143	1	-6.936E-46	1.010E-45	-1.261E-02	1.037E-05	-5.775E-04	0.000E+00
144	1	1.058E-38	1.496E-38	2.957E-02	9.791E-06	-5.575E-04	0.000E+00
145	1	-9.547E-33	1.775E-32	-1.205E-01	9.273E-05	-6.556E-04	0.000E+00
146	1	-3.741E-43	-3.665E-34	-1.022E-01	8.970E-05	-6.316E-04	0.000E+00
147	1	9.547E-33	1.236E-32	-5.187E-02	6.708E-05	-6.002E-04	0.000E+00
148	1	1.269E-45	7.560E-46	-8.783E-03	4.188E-05	-5.608E-04	0.000E+00
149	1	1.037E-37	1.641E-38	3.256E-02	2.899E-05	-5.501E-04	0.000E+00
200	1	-2.394E-10	1.437E-10	-1.859E-01	4.824E-04	-7.747E-05	0.000E+00
201	1	-2.394E-10	1.065E-10	-1.835E-01	4.745E-04	-9.229E-05	0.000E+00
202	1	-2.394E-10	1.621E-13	-1.772E-01	4.633E-04	1.656E-15	0.000E+00
203	1	-2.394E-10	-1.062E-10	-1.835E-01	4.745E-04	9.229E-05	0.000E+00
204	1	-2.394E-10	-1.434E-10	-1.859E-01	4.824E-04	7.747E-05	0.000E+00
205	1	-1.983E-10	1.437E-10	-1.705E-01	4.971E-04	-6.743E-05	0.000E+00
206	1	-1.983E-10	1.065E-10	-1.685E-01	4.845E-04	-8.884E-05	0.000E+00
207	1	-1.983E-10	1.621E-13	-1.626E-01	4.518E-04	1.651E-15	0.000E+00
208	1	-1.983E-10	-1.062E-10	-1.685E-01	4.845E-04	8.884E-05	0.000E+00
209	1	-1.983E-10	-1.434E-10	-1.705E-01	4.971E-04	6.743E-05	0.000E+00
210	1	-1.572E-10	1.437E-10	-1.552E-01	4.310E-04	-4.196E-05	0.000E+00
211	1	-1.572E-10	1.065E-10	-1.535E-01	4.287E-04	-7.125E-05	0.000E+00
212	1	-1.572E-10	1.621E-13	-1.491E-01	3.861E-04	1.654E-15	0.000E+00
213	1	-1.572E-10	-1.062E-10	-1.535E-01	4.287E-04	7.125E-05	0.000E+00
214	1	-1.572E-10	-1.434E-10	-1.552E-01	4.310E-04	4.196E-05	0.000E+00
215	1	2.993E-13	1.437E-10	-1.243E-01	-8.806E-16	-6.964E-05	0.000E+00
216	1	2.993E-13	1.065E-10	-1.224E-01	-9.136E-16	-6.401E-05	0.000E+00
217	1	2.992E-13	1.621E-13	-1.173E-01	-9.499E-16	1.598E-15	0.000E+00
218	1	2.993E-13	-1.062E-10	-1.224E-01	-1.137E-15	6.401E-05	0.000E+00
219	1	2.993E-13	-1.434E-10	-1.243E-01	-1.174E-15	6.964E-05	0.000E+00
220	1	1.578E-10	1.437E-10	-1.552E-01	-4.310E-04	-4.196E-05	0.000E+00
221	1	1.578E-10	1.065E-10	-1.535E-01	-4.287E-04	-7.125E-05	0.000E+00
222	1	1.578E-10	1.621E-13	-1.491E-01	-3.861E-04	2.000E-15	0.000E+00
223	1	1.578E-10	-1.062E-10	-1.535E-01	-4.287E-04	7.125E-05	0.000E+00
224	1	1.578E-10	-1.434E-10	-1.552E-01	-4.310E-04	4.196E-05	0.000E+00
225	1	1.989E-10	1.437E-10	-1.705E-01	-4.971E-04	-6.743E-05	0.000E+00

226	1	1.989E-10	1.065E-10	-1.685E-01	-4.845E-04	-8.884E-05	0.000E+00
227	1	1.989E-10	1.621E-13	-1.626E-01	-4.518E-04	2.074E-15	0.000E+00
228	1	1.989E-10	-1.062E-10	-1.685E-01	-4.845E-04	8.884E-05	0.000E+00
229	1	1.989E-10	-1.434E-10	-1.705E-01	-4.971E-04	6.743E-05	0.000E+00
230	1	2.400E-10	1.437E-10	-1.859E-01	-4.824E-04	-7.747E-05	0.000E+00
231	1	2.400E-10	1.065E-10	-1.835E-01	-4.745E-04	-9.229E-05	0.000E+00
232	1	2.400E-10	1.621E-13	-1.772E-01	-4.633E-04	2.140E-15	0.000E+00
233	1	2.400E-10	-1.062E-10	-1.835E-01	-4.745E-04	9.229E-05	0.000E+00
234	1	2.400E-10	-1.434E-10	-1.859E-01	-4.824E-04	7.747E-05	0.000E+00
235	1	-9.994E-05	1.133E-03	-2.013E-01	4.636E-04	-7.923E-05	0.000E+00
236	1	-1.947E-04	1.162E-03	-1.989E-01	4.558E-04	-9.246E-05	0.000E+00
237	1	8.003E-06	5.420E-04	-1.927E-01	4.480E-04	-1.572E-07	0.000E+00
238	1	2.073E-04	1.171E-03	-1.988E-01	4.554E-04	9.233E-05	0.000E+00
239	1	1.104E-04	1.139E-03	-2.012E-01	4.631E-04	7.922E-05	0.000E+00
240	1	-1.313E-04	1.010E-03	-1.865E-01	4.793E-04	-6.879E-05	0.000E+00
241	1	-8.243E-05	1.250E-03	-1.844E-01	4.638E-04	-8.950E-05	0.000E+00
242	1	6.073E-06	4.517E-04	-1.786E-01	4.392E-04	-6.167E-08	0.000E+00
243	1	9.486E-05	1.260E-03	-1.844E-01	4.632E-04	8.946E-05	0.000E+00
244	1	1.446E-04	1.012E-03	-1.865E-01	4.788E-04	6.879E-05	0.000E+00
245	1	-1.028E-04	8.063E-04	-1.717E-01	4.217E-04	-4.317E-05	0.000E+00
246	1	-6.163E-05	7.778E-04	-1.700E-01	4.195E-04	-7.225E-05	0.000E+00
247	1	5.674E-06	4.674E-04	-1.654E-01	3.771E-04	1.326E-08	0.000E+00
248	1	7.465E-05	7.772E-04	-1.700E-01	4.194E-04	7.229E-05	0.000E+00
249	1	1.169E-04	8.030E-04	-1.717E-01	4.215E-04	4.319E-05	0.000E+00
250	1	-1.959E-05	1.381E-05	-1.413E-01	3.701E-15	-7.112E-05	0.000E+00
251	1	3.610E-06	1.023E-05	-1.393E-01	3.673E-15	-6.512E-05	0.000E+00
252	1	1.432E-05	-9.269E-13	-1.342E-01	3.467E-15	4.972E-08	0.000E+00
253	1	2.622E-05	-1.023E-05	-1.393E-01	3.706E-15	6.521E-05	0.000E+00
254	1	5.025E-05	-1.381E-05	-1.413E-01	3.731E-15	7.121E-05	0.000E+00
255	1	-7.255E-05	-7.787E-04	-1.717E-01	-4.217E-04	-4.317E-05	0.000E+00
256	1	-3.133E-05	-7.573E-04	-1.700E-01	-4.195E-04	-7.225E-05	0.000E+00
257	1	3.597E-05	-4.674E-04	-1.654E-01	-3.771E-04	1.326E-08	0.000E+00
258	1	1.049E-04	-7.977E-04	-1.700E-01	-4.194E-04	7.229E-05	0.000E+00
259	1	1.472E-04	-8.306E-04	-1.717E-01	-4.215E-04	4.319E-05	0.000E+00
260	1	-9.309E-05	-9.820E-04	-1.865E-01	-4.793E-04	-6.879E-05	0.000E+00
261	1	-4.422E-05	-1.230E-03	-1.844E-01	-4.638E-04	-8.950E-05	0.000E+00
262	1	4.428E-05	-4.517E-04	-1.786E-01	-4.392E-04	-6.167E-08	0.000E+00
263	1	1.331E-04	-1.281E-03	-1.844E-01	-4.632E-04	8.946E-05	0.000E+00
264	1	1.828E-04	-1.040E-03	-1.865E-01	-4.788E-04	6.879E-05	0.000E+00
265	1	-5.382E-05	-1.106E-03	-2.013E-01	-4.636E-04	-7.923E-05	0.000E+00
266	1	-1.486E-04	-1.142E-03	-1.989E-01	-4.558E-04	-9.246E-05	0.000E+00
267	1	5.412E-05	-5.420E-04	-1.927E-01	-4.480E-04	-1.572E-07	0.000E+00
268	1	2.534E-04	-1.191E-03	-1.988E-01	-4.554E-04	9.233E-05	0.000E+00
269	1	1.565E-04	-1.166E-03	-2.012E-01	-4.631E-04	7.922E-05	0.000E+00
270	1	-3.199E-02	1.916E-02	-2.026E-01	4.824E-04	-7.747E-05	0.000E+00
271	1	-3.199E-02	1.419E-02	-2.003E-01	4.745E-04	-9.229E-05	0.000E+00
272	1	-3.199E-02	9.906E-14	-1.940E-01	4.633E-04	1.619E-15	0.000E+00
273	1	-3.199E-02	-1.419E-02	-2.003E-01	4.745E-04	9.229E-05	0.000E+00
274	1	-3.199E-02	-1.916E-02	-2.026E-01	4.824E-04	7.747E-05	0.000E+00
275	1	-2.651E-02	1.916E-02	-1.873E-01	4.971E-04	-6.743E-05	0.000E+00
276	1	-2.651E-02	1.419E-02	-1.853E-01	4.845E-04	-8.884E-05	0.000E+00
277	1	-2.651E-02	9.905E-14	-1.794E-01	4.518E-04	1.608E-15	0.000E+00
278	1	-2.651E-02	-1.419E-02	-1.853E-01	4.845E-04	8.884E-05	0.000E+00
279	1	-2.651E-02	-1.916E-02	-1.873E-01	4.971E-04	6.743E-05	0.000E+00
280	1	-2.102E-02	1.916E-02	-1.720E-01	4.310E-04	-4.196E-05	0.000E+00
281	1	-2.102E-02	1.419E-02	-1.703E-01	4.287E-04	-7.125E-05	0.000E+00
282	1	-2.102E-02	9.905E-14	-1.658E-01	3.861E-04	1.603E-15	0.000E+00
283	1	-2.102E-02	-1.419E-02	-1.703E-01	4.287E-04	7.125E-05	0.000E+00
284	1	-2.102E-02	-1.916E-02	-1.720E-01	4.310E-04	4.196E-05	0.000E+00
285	1	4.329E-13	1.916E-02	-1.411E-01	-3.592E-16	-6.964E-05	0.000E+00
286	1	4.329E-13	1.419E-02	-1.392E-01	-3.708E-16	-6.401E-05	0.000E+00
287	1	4.329E-13	9.904E-14	-1.340E-01	-3.771E-16	1.513E-15	0.000E+00

288	1	4.329E-13	-1.419E-02	-1.392E-01	-4.286E-16	6.401E-05	0.000E+00
289	1	4.329E-13	-1.916E-02	-1.411E-01	-4.471E-16	6.964E-05	0.000E+00
290	1	2.102E-02	1.916E-02	-1.720E-01	-4.310E-04	-4.196E-05	0.000E+00
291	1	2.102E-02	1.419E-02	-1.703E-01	-4.287E-04	-7.125E-05	0.000E+00
292	1	2.102E-02	9.904E-14	-1.658E-01	-3.861E-04	1.687E-15	0.000E+00
293	1	2.102E-02	-1.419E-02	-1.703E-01	-4.287E-04	7.125E-05	0.000E+00
294	1	2.102E-02	-1.916E-02	-1.720E-01	-4.310E-04	4.196E-05	0.000E+00
295	1	2.651E-02	1.916E-02	-1.873E-01	-4.971E-04	-6.743E-05	0.000E+00
296	1	2.651E-02	1.419E-02	-1.853E-01	-4.845E-04	-8.884E-05	0.000E+00
297	1	2.651E-02	9.904E-14	-1.794E-01	-4.518E-04	1.716E-15	0.000E+00
298	1	2.651E-02	-1.419E-02	-1.853E-01	-4.845E-04	8.884E-05	0.000E+00
299	1	2.651E-02	-1.916E-02	-1.873E-01	-4.971E-04	6.743E-05	0.000E+00
300	1	3.199E-02	1.916E-02	-2.026E-01	-4.824E-04	-7.747E-05	0.000E+00
301	1	3.199E-02	1.419E-02	-2.003E-01	-4.745E-04	-9.229E-05	0.000E+00
302	1	3.199E-02	9.904E-14	-1.940E-01	-4.633E-04	1.746E-15	0.000E+00
303	1	3.199E-02	-1.419E-02	-2.003E-01	-4.745E-04	9.229E-05	0.000E+00
304	1	3.199E-02	-1.916E-02	-2.026E-01	-4.824E-04	7.747E-05	0.000E+00
305	1	-1.650E-04	1.173E-03	-2.040E-01	4.636E-04	-7.923E-05	0.000E+00
306	1	-2.598E-04	1.192E-03	-2.016E-01	4.558E-04	-9.246E-05	0.000E+00
307	1	-5.708E-05	5.420E-04	-1.955E-01	4.480E-04	-1.548E-07	0.000E+00
308	1	1.422E-04	1.141E-03	-2.016E-01	4.554E-04	9.233E-05	0.000E+00
309	1	4.532E-05	1.099E-03	-2.040E-01	4.631E-04	7.922E-05	0.000E+00
310	1	-1.850E-04	1.050E-03	-1.892E-01	4.793E-04	-6.879E-05	0.000E+00
311	1	-1.361E-04	1.280E-03	-1.872E-01	4.638E-04	-8.949E-05	0.000E+00
312	1	-4.759E-05	4.517E-04	-1.814E-01	4.392E-04	-5.925E-08	0.000E+00
313	1	4.120E-05	1.231E-03	-1.872E-01	4.632E-04	8.946E-05	0.000E+00
314	1	9.093E-05	9.724E-04	-1.892E-01	4.788E-04	6.880E-05	0.000E+00
315	1	-1.451E-04	8.462E-04	-1.744E-01	4.217E-04	-4.316E-05	0.000E+00
316	1	-1.039E-04	8.073E-04	-1.727E-01	4.195E-04	-7.225E-05	0.000E+00
317	1	-3.656E-05	4.674E-04	-1.682E-01	3.771E-04	1.568E-08	0.000E+00
318	1	3.241E-05	7.477E-04	-1.727E-01	4.194E-04	7.229E-05	0.000E+00
319	1	7.468E-05	7.631E-04	-1.744E-01	4.215E-04	4.320E-05	0.000E+00
320	1	-1.807E-05	5.369E-05	-1.440E-01	2.146E-15	-7.111E-05	0.000E+00
321	1	5.138E-06	3.978E-05	-1.421E-01	2.158E-15	-6.512E-05	0.000E+00
322	1	1.585E-05	-5.977E-13	-1.369E-01	2.120E-15	5.214E-08	0.000E+00
323	1	2.775E-05	-3.978E-05	-1.421E-01	2.327E-15	6.521E-05	0.000E+00
324	1	5.178E-05	-5.369E-05	-1.440E-01	2.357E-15	7.122E-05	0.000E+00
325	1	-2.725E-05	-7.388E-04	-1.744E-01	-4.217E-04	-4.316E-05	0.000E+00
326	1	1.396E-05	-7.277E-04	-1.727E-01	-4.195E-04	-7.225E-05	0.000E+00
327	1	8.127E-05	-4.674E-04	-1.682E-01	-3.771E-04	1.568E-08	0.000E+00
328	1	1.502E-04	-8.272E-04	-1.727E-01	-4.194E-04	7.229E-05	0.000E+00
329	1	1.925E-04	-8.705E-04	-1.744E-01	-4.215E-04	4.320E-05	0.000E+00
330	1	-3.637E-05	-9.421E-04	-1.892E-01	-4.793E-04	-6.879E-05	0.000E+00
331	1	1.250E-05	-1.200E-03	-1.872E-01	-4.638E-04	-8.949E-05	0.000E+00
332	1	1.010E-04	-4.517E-04	-1.814E-01	-4.392E-04	-5.925E-08	0.000E+00
333	1	1.898E-04	-1.310E-03	-1.872E-01	-4.632E-04	8.946E-05	0.000E+00
334	1	2.395E-04	-1.080E-03	-1.892E-01	-4.788E-04	6.880E-05	0.000E+00
335	1	1.432E-05	-1.066E-03	-2.040E-01	-4.636E-04	-7.923E-05	0.000E+00
336	1	-8.045E-05	-1.112E-03	-2.016E-01	-4.558E-04	-9.246E-05	0.000E+00
337	1	1.223E-04	-5.420E-04	-1.955E-01	-4.480E-04	-1.548E-07	0.000E+00
338	1	3.216E-04	-1.221E-03	-2.016E-01	-4.554E-04	9.233E-05	0.000E+00
339	1	2.247E-04	-1.206E-03	-2.040E-01	-4.631E-04	7.922E-05	0.000E+00
340	1	4.758E-03	-2.849E-03	-2.091E-01	4.824E-04	-7.747E-05	0.000E+00
341	1	4.758E-03	-2.111E-03	-2.067E-01	4.745E-04	-9.229E-05	0.000E+00
342	1	4.758E-03	-2.234E-15	-2.005E-01	4.633E-04	2.318E-16	0.000E+00
343	1	4.758E-03	2.111E-03	-2.067E-01	4.745E-04	9.229E-05	0.000E+00
344	1	4.758E-03	2.849E-03	-2.091E-01	4.824E-04	7.747E-05	0.000E+00
345	1	3.942E-03	-2.849E-03	-1.937E-01	4.971E-04	-6.743E-05	0.000E+00
346	1	3.942E-03	-2.111E-03	-1.917E-01	4.845E-04	-8.884E-05	0.000E+00
347	1	3.942E-03	-2.234E-15	-1.859E-01	4.518E-04	2.350E-16	0.000E+00
348	1	3.942E-03	2.111E-03	-1.917E-01	4.845E-04	8.884E-05	0.000E+00
349	1	3.942E-03	2.849E-03	-1.937E-01	4.971E-04	6.743E-05	0.000E+00

350	1	3.127E-03	-2.849E-03	-1.785E-01	4.310E-04	-4.196E-05	0.000E+00
351	1	3.127E-03	-2.111E-03	-1.768E-01	4.287E-04	-7.125E-05	0.000E+00
352	1	3.127E-03	-2.234E-15	-1.723E-01	3.861E-04	2.453E-16	0.000E+00
353	1	3.127E-03	2.111E-03	-1.768E-01	4.287E-04	7.125E-05	0.000E+00
354	1	3.127E-03	2.849E-03	-1.785E-01	4.310E-04	4.196E-05	0.000E+00
355	1	8.734E-14	-2.849E-03	-1.475E-01	9.211E-17	-6.964E-05	0.000E+00
356	1	8.734E-14	-2.111E-03	-1.456E-01	6.951E-17	-6.401E-05	0.000E+00
357	1	8.735E-14	-2.240E-15	-1.405E-01	1.362E-17	2.767E-16	0.000E+00
358	1	8.734E-14	2.111E-03	-1.456E-01	-1.727E-17	6.401E-05	0.000E+00
359	1	8.734E-14	2.849E-03	-1.475E-01	-2.746E-17	6.964E-05	0.000E+00
360	1	-3.127E-03	-2.849E-03	-1.785E-01	-4.310E-04	-4.196E-05	0.000E+00
361	1	-3.127E-03	-2.111E-03	-1.768E-01	-4.287E-04	-7.125E-05	0.000E+00
362	1	-3.127E-03	-2.235E-15	-1.723E-01	-3.861E-04	3.744E-16	0.000E+00
363	1	-3.127E-03	2.111E-03	-1.768E-01	-4.287E-04	7.125E-05	0.000E+00
364	1	-3.127E-03	2.849E-03	-1.785E-01	-4.310E-04	4.196E-05	0.000E+00
365	1	-3.942E-03	-2.849E-03	-1.937E-01	-4.971E-04	-6.743E-05	0.000E+00
366	1	-3.942E-03	-2.111E-03	-1.917E-01	-4.845E-04	-8.884E-05	0.000E+00
367	1	-3.942E-03	-2.235E-15	-1.859E-01	-4.518E-04	4.024E-16	0.000E+00
368	1	-3.942E-03	2.111E-03	-1.917E-01	-4.845E-04	8.884E-05	0.000E+00
369	1	-3.942E-03	2.849E-03	-1.937E-01	-4.971E-04	6.743E-05	0.000E+00
370	1	-4.758E-03	-2.849E-03	-2.091E-01	-4.824E-04	-7.747E-05	0.000E+00
371	1	-4.758E-03	-2.111E-03	-2.067E-01	-4.745E-04	-9.229E-05	0.000E+00
372	1	-4.758E-03	-2.236E-15	-2.005E-01	-4.633E-04	4.277E-16	0.000E+00
373	1	-4.758E-03	2.111E-03	-2.067E-01	-4.745E-04	9.229E-05	0.000E+00
374	1	-4.758E-03	2.849E-03	-2.091E-01	-4.824E-04	7.747E-05	0.000E+00
375	1	3.907E-05	1.050E-03	-1.999E-01	4.636E-04	-7.923E-05	0.000E+00
376	1	-5.570E-05	1.100E-03	-1.975E-01	4.558E-04	-9.247E-05	0.000E+00
377	1	1.470E-04	5.420E-04	-1.914E-01	4.480E-04	-1.584E-07	0.000E+00
378	1	3.463E-04	1.233E-03	-1.975E-01	4.554E-04	9.233E-05	0.000E+00
379	1	2.494E-04	1.222E-03	-1.999E-01	4.631E-04	7.922E-05	0.000E+00
380	1	-1.625E-05	9.259E-04	-1.851E-01	4.793E-04	-6.880E-05	0.000E+00
381	1	3.261E-05	1.188E-03	-1.831E-01	4.638E-04	-8.950E-05	0.000E+00
382	1	1.211E-04	4.517E-04	-1.772E-01	4.392E-04	-6.288E-08	0.000E+00
383	1	2.099E-04	1.322E-03	-1.831E-01	4.632E-04	8.946E-05	0.000E+00
384	1	2.596E-04	1.096E-03	-1.851E-01	4.788E-04	6.879E-05	0.000E+00
385	1	-1.177E-05	7.227E-04	-1.703E-01	4.217E-04	-4.317E-05	0.000E+00
386	1	2.945E-05	7.158E-04	-1.686E-01	4.195E-04	-7.225E-05	0.000E+00
387	1	9.675E-05	4.674E-04	-1.640E-01	3.771E-04	1.205E-08	0.000E+00
388	1	1.657E-04	8.392E-04	-1.686E-01	4.194E-04	7.229E-05	0.000E+00
389	1	2.080E-04	8.867E-04	-1.703E-01	4.215E-04	4.319E-05	0.000E+00
390	1	-2.033E-05	-6.987E-05	-1.399E-01	-8.320E-17	-7.112E-05	0.000E+00
391	1	2.873E-06	-5.177E-05	-1.380E-01	-7.109E-17	-6.512E-05	0.000E+00
392	1	1.359E-05	5.615E-15	-1.328E-01	-1.135E-17	4.851E-08	0.000E+00
393	1	2.548E-05	5.177E-05	-1.380E-01	9.388E-17	6.521E-05	0.000E+00
394	1	4.951E-05	6.987E-05	-1.399E-01	1.300E-16	7.121E-05	0.000E+00
395	1	-1.651E-04	-8.624E-04	-1.703E-01	-4.217E-04	-4.317E-05	0.000E+00
396	1	-1.239E-04	-8.193E-04	-1.686E-01	-4.195E-04	-7.225E-05	0.000E+00
397	1	-5.658E-05	-4.674E-04	-1.640E-01	-3.771E-04	1.205E-08	0.000E+00
398	1	1.239E-05	-7.357E-04	-1.686E-01	-4.194E-04	7.229E-05	0.000E+00
399	1	5.467E-05	-7.470E-04	-1.703E-01	-4.215E-04	4.319E-05	0.000E+00
400	1	-2.096E-04	-1.066E-03	-1.851E-01	-4.793E-04	-6.880E-05	0.000E+00
401	1	-1.607E-04	-1.292E-03	-1.831E-01	-4.638E-04	-8.950E-05	0.000E+00
402	1	-7.223E-05	-4.517E-04	-1.772E-01	-4.392E-04	-6.288E-08	0.000E+00
403	1	1.656E-05	-1.219E-03	-1.831E-01	-4.632E-04	8.946E-05	0.000E+00
404	1	6.628E-05	-9.562E-04	-1.851E-01	-4.788E-04	6.879E-05	0.000E+00
405	1	-1.943E-04	-1.189E-03	-1.999E-01	-4.636E-04	-7.923E-05	0.000E+00
406	1	-2.891E-04	-1.204E-03	-1.975E-01	-4.558E-04	-9.247E-05	0.000E+00
407	1	-8.636E-05	-5.420E-04	-1.914E-01	-4.480E-04	-1.584E-07	0.000E+00
408	1	1.130E-04	-1.129E-03	-1.975E-01	-4.554E-04	9.233E-05	0.000E+00
409	1	1.604E-05	-1.083E-03	-1.999E-01	-4.631E-04	7.922E-05	0.000E+00
410	1	-3.193E-10	1.920E-10	-2.054E-01	4.824E-04	-7.747E-05	0.000E+00
411	1	-3.193E-10	1.423E-10	-2.030E-01	4.745E-04	-9.229E-05	0.000E+00

412	1	-3.193E-10	4.188E-13	-1.968E-01	4.633E-04	2.239E-15	0.000E+00
413	1	-3.193E-10	-1.415E-10	-2.030E-01	4.745E-04	9.229E-05	0.000E+00
414	1	-3.193E-10	-1.911E-10	-2.054E-01	4.824E-04	7.747E-05	0.000E+00
415	1	-2.644E-10	1.920E-10	-1.900E-01	4.971E-04	-6.743E-05	0.000E+00
416	1	-2.644E-10	1.423E-10	-1.880E-01	4.845E-04	-8.884E-05	0.000E+00
417	1	-2.644E-10	4.188E-13	-1.822E-01	4.518E-04	2.215E-15	0.000E+00
418	1	-2.644E-10	-1.415E-10	-1.880E-01	4.845E-04	8.884E-05	0.000E+00
419	1	-2.644E-10	-1.911E-10	-1.900E-01	4.971E-04	6.743E-05	0.000E+00
420	1	-2.096E-10	1.920E-10	-1.748E-01	4.310E-04	-4.196E-05	0.000E+00
421	1	-2.096E-10	1.423E-10	-1.731E-01	4.287E-04	-7.125E-05	0.000E+00
422	1	-2.096E-10	4.188E-13	-1.686E-01	3.861E-04	2.196E-15	0.000E+00
423	1	-2.096E-10	-1.415E-10	-1.731E-01	4.287E-04	7.125E-05	0.000E+00
424	1	-2.096E-10	-1.911E-10	-1.748E-01	4.310E-04	4.196E-05	0.000E+00
425	1	6.002E-13	1.920E-10	-1.438E-01	-1.674E-15	-6.964E-05	0.000E+00
426	1	6.002E-13	1.423E-10	-1.419E-01	-1.646E-15	-6.401E-05	0.000E+00
427	1	6.002E-13	4.188E-13	-1.368E-01	-1.483E-15	1.973E-15	0.000E+00
428	1	6.002E-13	-1.415E-10	-1.419E-01	-1.486E-15	6.401E-05	0.000E+00
429	1	6.002E-13	-1.911E-10	-1.438E-01	-1.473E-15	6.964E-05	0.000E+00
430	1	2.108E-10	1.920E-10	-1.748E-01	-4.310E-04	-4.196E-05	0.000E+00
431	1	2.108E-10	1.423E-10	-1.731E-01	-4.287E-04	-7.125E-05	0.000E+00
432	1	2.108E-10	4.188E-13	-1.686E-01	-3.861E-04	1.942E-15	0.000E+00
433	1	2.108E-10	-1.415E-10	-1.731E-01	-4.287E-04	7.125E-05	0.000E+00
434	1	2.108E-10	-1.911E-10	-1.748E-01	-4.310E-04	4.196E-05	0.000E+00
435	1	2.656E-10	1.920E-10	-1.900E-01	-4.971E-04	-6.743E-05	0.000E+00
436	1	2.656E-10	1.423E-10	-1.880E-01	-4.845E-04	-8.884E-05	0.000E+00
437	1	2.656E-10	4.188E-13	-1.822E-01	-4.518E-04	1.903E-15	0.000E+00
438	1	2.656E-10	-1.415E-10	-1.880E-01	-4.845E-04	8.884E-05	0.000E+00
439	1	2.656E-10	-1.911E-10	-1.900E-01	-4.971E-04	6.743E-05	0.000E+00
440	1	3.205E-10	1.920E-10	-2.054E-01	-4.824E-04	-7.747E-05	0.000E+00
441	1	3.205E-10	1.423E-10	-2.030E-01	-4.745E-04	-9.229E-05	0.000E+00
442	1	3.205E-10	4.188E-13	-1.968E-01	-4.633E-04	1.868E-15	0.000E+00
443	1	3.205E-10	-1.415E-10	-2.030E-01	-4.745E-04	9.229E-05	0.000E+00
444	1	3.205E-10	-1.911E-10	-2.054E-01	-4.824E-04	7.747E-05	0.000E+00
445	1	-7.665E-05	1.121E-03	-2.049E-01	4.636E-04	-7.923E-05	0.000E+00
446	1	-1.714E-04	1.153E-03	-2.026E-01	4.558E-04	-9.246E-05	0.000E+00
447	1	3.129E-05	5.420E-04	-1.964E-01	4.480E-04	-1.540E-07	0.000E+00
448	1	2.306E-04	1.180E-03	-2.025E-01	4.554E-04	9.233E-05	0.000E+00
449	1	1.337E-04	1.151E-03	-2.049E-01	4.631E-04	7.922E-05	0.000E+00
450	1	-1.117E-04	9.969E-04	-1.901E-01	4.793E-04	-6.879E-05	0.000E+00
451	1	-6.278E-05	1.241E-03	-1.881E-01	4.638E-04	-8.949E-05	0.000E+00
452	1	2.572E-05	4.517E-04	-1.823E-01	4.392E-04	-5.844E-08	0.000E+00
453	1	1.145E-04	1.270E-03	-1.881E-01	4.632E-04	8.946E-05	0.000E+00
454	1	1.642E-04	1.025E-03	-1.901E-01	4.788E-04	6.880E-05	0.000E+00
455	1	-8.684E-05	7.936E-04	-1.754E-01	4.217E-04	-4.316E-05	0.000E+00
456	1	-4.563E-05	7.683E-04	-1.736E-01	4.195E-04	-7.225E-05	0.000E+00
457	1	2.168E-05	4.674E-04	-1.691E-01	3.771E-04	1.649E-08	0.000E+00
458	1	9.065E-05	7.866E-04	-1.736E-01	4.194E-04	7.229E-05	0.000E+00
459	1	1.329E-04	8.157E-04	-1.754E-01	4.215E-04	4.320E-05	0.000E+00
460	1	-1.754E-05	1.094E-06	-1.450E-01	1.578E-15	-7.111E-05	0.000E+00
461	1	5.663E-06	8.105E-07	-1.430E-01	1.585E-15	-6.512E-05	0.000E+00
462	1	1.638E-05	-4.478E-13	-1.378E-01	1.566E-15	5.295E-08	0.000E+00
463	1	2.827E-05	-8.105E-07	-1.430E-01	1.741E-15	6.521E-05	0.000E+00
464	1	5.230E-05	-1.094E-06	-1.450E-01	1.773E-15	7.122E-05	0.000E+00
465	1	-8.444E-05	-7.914E-04	-1.754E-01	-4.217E-04	-4.316E-05	0.000E+00
466	1	-4.323E-05	-7.667E-04	-1.736E-01	-4.195E-04	-7.225E-05	0.000E+00
467	1	2.408E-05	-4.674E-04	-1.691E-01	-3.771E-04	1.649E-08	0.000E+00
468	1	9.305E-05	-7.882E-04	-1.736E-01	-4.194E-04	7.229E-05	0.000E+00
469	1	1.353E-04	-8.179E-04	-1.754E-01	-4.215E-04	4.320E-05	0.000E+00
470	1	-1.086E-04	-9.947E-04	-1.901E-01	-4.793E-04	-6.879E-05	0.000E+00
471	1	-5.976E-05	-1.239E-03	-1.881E-01	-4.638E-04	-8.949E-05	0.000E+00
472	1	2.874E-05	-4.517E-04	-1.823E-01	-4.392E-04	-5.844E-08	0.000E+00
473	1	1.175E-04	-1.272E-03	-1.881E-01	-4.632E-04	8.946E-05	0.000E+00

474	1	1.673E-04	-1.027E-03	-1.901E-01	-4.788E-04	6.880E-05	0.000E+00
475	1	-7.300E-05	-1.118E-03	-2.049E-01	-4.636E-04	-7.923E-05	0.000E+00
476	1	-1.678E-04	-1.151E-03	-2.026E-01	-4.558E-04	-9.246E-05	0.000E+00
477	1	3.494E-05	-5.420E-04	-1.964E-01	-4.480E-04	-1.540E-07	0.000E+00
478	1	2.343E-04	-1.182E-03	-2.025E-01	-4.554E-04	9.233E-05	0.000E+00
479	1	1.373E-04	-1.154E-03	-2.049E-01	-4.631E-04	7.922E-05	0.000E+00
480	1	8.158E-12	-5.031E-12	-2.077E-01	4.824E-04	-7.747E-05	0.000E+00
481	1	8.158E-12	-3.935E-12	-2.053E-01	4.745E-04	-9.229E-05	0.000E+00
482	1	8.158E-12	-8.015E-13	-1.991E-01	4.633E-04	3.722E-15	0.000E+00
483	1	8.158E-12	2.332E-12	-2.053E-01	4.745E-04	9.229E-05	0.000E+00
484	1	8.158E-12	3.428E-12	-2.077E-01	4.824E-04	7.747E-05	0.000E+00
485	1	6.946E-12	-5.031E-12	-1.923E-01	4.971E-04	-6.743E-05	0.000E+00
486	1	6.946E-12	-3.935E-12	-1.903E-01	4.845E-04	-8.884E-05	0.000E+00
487	1	6.946E-12	-8.015E-13	-1.845E-01	4.518E-04	3.684E-15	0.000E+00
488	1	6.946E-12	2.332E-12	-1.903E-01	4.845E-04	8.884E-05	0.000E+00
489	1	6.946E-12	3.428E-12	-1.923E-01	4.971E-04	6.743E-05	0.000E+00
490	1	5.735E-12	-5.031E-12	-1.771E-01	4.310E-04	-4.196E-05	0.000E+00
491	1	5.735E-12	-3.935E-12	-1.754E-01	4.287E-04	-7.125E-05	0.000E+00
492	1	5.735E-12	-8.015E-13	-1.709E-01	3.861E-04	3.660E-15	0.000E+00
493	1	5.735E-12	2.332E-12	-1.754E-01	4.287E-04	7.125E-05	0.000E+00
494	1	5.735E-12	3.428E-12	-1.771E-01	4.310E-04	4.196E-05	0.000E+00
495	1	1.094E-12	-5.031E-12	-1.461E-01	2.924E-15	-6.964E-05	0.000E+00
496	1	1.094E-12	-3.935E-12	-1.442E-01	2.900E-15	-6.401E-05	0.000E+00
497	1	1.094E-12	-8.015E-13	-1.391E-01	2.719E-15	3.449E-15	0.000E+00
498	1	1.094E-12	2.332E-12	-1.442E-01	2.819E-15	6.401E-05	0.000E+00
499	1	1.094E-12	3.428E-12	-1.461E-01	2.814E-15	6.964E-05	0.000E+00
500	1	-3.547E-12	-5.031E-12	-1.771E-01	-4.310E-04	-4.196E-05	0.000E+00
501	1	-3.547E-12	-3.935E-12	-1.754E-01	-4.287E-04	-7.125E-05	0.000E+00
502	1	-3.547E-12	-8.015E-13	-1.709E-01	-3.861E-04	3.773E-15	0.000E+00
503	1	-3.547E-12	2.332E-12	-1.754E-01	-4.287E-04	7.125E-05	0.000E+00
504	1	-3.547E-12	3.428E-12	-1.771E-01	-4.310E-04	4.196E-05	0.000E+00
505	1	-4.758E-12	-5.031E-12	-1.923E-01	-4.971E-04	-6.743E-05	0.000E+00
506	1	-4.758E-12	-3.935E-12	-1.903E-01	-4.845E-04	-8.884E-05	0.000E+00
507	1	-4.758E-12	-8.015E-13	-1.845E-01	-4.518E-04	3.809E-15	0.000E+00
508	1	-4.758E-12	2.332E-12	-1.903E-01	-4.845E-04	8.884E-05	0.000E+00
509	1	-4.758E-12	3.428E-12	-1.923E-01	-4.971E-04	6.743E-05	0.000E+00
510	1	-5.969E-12	-5.031E-12	-2.077E-01	-4.824E-04	-7.747E-05	0.000E+00
511	1	-5.969E-12	-3.935E-12	-2.053E-01	-4.745E-04	-9.229E-05	0.000E+00
512	1	-5.969E-12	-8.015E-13	-1.991E-01	-4.633E-04	3.838E-15	0.000E+00
513	1	-5.969E-12	2.332E-12	-2.053E-01	-4.745E-04	9.229E-05	0.000E+00
514	1	-5.969E-12	3.428E-12	-2.077E-01	-4.824E-04	7.747E-05	0.000E+00
515	1	-8.728E-05	1.127E-03	-2.063E-01	4.636E-04	-7.923E-05	0.000E+00
516	1	-1.820E-04	1.158E-03	-2.039E-01	4.558E-04	-9.246E-05	0.000E+00
517	1	2.066E-05	5.420E-04	-1.978E-01	4.480E-04	-1.528E-07	0.000E+00
518	1	2.200E-04	1.175E-03	-2.039E-01	4.554E-04	9.233E-05	0.000E+00
519	1	1.231E-04	1.145E-03	-2.063E-01	4.631E-04	7.922E-05	0.000E+00
520	1	-1.203E-04	1.004E-03	-1.915E-01	4.793E-04	-6.879E-05	0.000E+00
521	1	-7.145E-05	1.246E-03	-1.895E-01	4.638E-04	-8.949E-05	0.000E+00
522	1	1.705E-05	4.517E-04	-1.837E-01	4.392E-04	-5.723E-08	0.000E+00
523	1	1.058E-04	1.265E-03	-1.895E-01	4.632E-04	8.946E-05	0.000E+00
524	1	1.556E-04	1.018E-03	-1.915E-01	4.788E-04	6.880E-05	0.000E+00
525	1	-9.355E-05	8.005E-04	-1.767E-01	4.217E-04	-4.316E-05	0.000E+00
526	1	-5.233E-05	7.734E-04	-1.750E-01	4.195E-04	-7.225E-05	0.000E+00
527	1	1.497E-05	4.674E-04	-1.705E-01	3.771E-04	1.770E-08	0.000E+00
528	1	8.395E-05	7.816E-04	-1.750E-01	4.194E-04	7.229E-05	0.000E+00
529	1	1.262E-04	8.089E-04	-1.767E-01	4.215E-04	4.320E-05	0.000E+00
530	1	-1.674E-05	7.936E-06	-1.463E-01	-1.929E-15	-7.111E-05	0.000E+00
531	1	6.467E-06	5.880E-06	-1.444E-01	-1.906E-15	-6.512E-05	0.000E+00
532	1	1.718E-05	5.163E-13	-1.392E-01	-1.757E-15	5.416E-08	0.000E+00
533	1	2.908E-05	-5.880E-06	-1.444E-01	-1.821E-15	6.521E-05	0.000E+00
534	1	5.310E-05	-7.936E-06	-1.464E-01	-1.830E-15	7.122E-05	0.000E+00
535	1	-7.613E-05	-7.846E-04	-1.767E-01	-4.217E-04	-4.316E-05	0.000E+00

536	1	-3.491E-05	-7.616E-04	-1.750E-01	-4.195E-04	-7.225E-05	0.000E+00
537	1	3.239E-05	-4.674E-04	-1.705E-01	-3.771E-04	1.770E-08	0.000E+00
538	1	1.014E-04	-7.933E-04	-1.750E-01	-4.194E-04	7.229E-05	0.000E+00
539	1	1.436E-04	-8.248E-04	-1.767E-01	-4.215E-04	4.320E-05	0.000E+00
540	1	-9.835E-05	-9.879E-04	-1.915E-01	-4.793E-04	-6.879E-05	0.000E+00
541	1	-4.949E-05	-1.234E-03	-1.895E-01	-4.638E-04	-8.949E-05	0.000E+00
542	1	3.901E-05	-4.517E-04	-1.837E-01	-4.392E-04	-5.723E-08	0.000E+00
543	1	1.278E-04	-1.277E-03	-1.895E-01	-4.632E-04	8.946E-05	0.000E+00
544	1	1.775E-04	-1.034E-03	-1.915E-01	-4.788E-04	6.880E-05	0.000E+00
545	1	-6.077E-05	-1.112E-03	-2.063E-01	-4.636E-04	-7.923E-05	0.000E+00
546	1	-1.555E-04	-1.146E-03	-2.039E-01	-4.558E-04	-9.246E-05	0.000E+00
547	1	4.717E-05	-5.420E-04	-1.978E-01	-4.480E-04	-1.528E-07	0.000E+00
548	1	2.465E-04	-1.187E-03	-2.039E-01	-4.554E-04	9.233E-05	0.000E+00
549	1	1.496E-04	-1.160E-03	-2.063E-01	-4.631E-04	7.922E-05	0.000E+00
550	1	-2.283E-12	9.087E-13	-2.013E-01	4.824E-04	-7.747E-05	0.000E+00
551	1	-2.283E-12	6.049E-13	-1.989E-01	4.745E-04	-9.229E-05	0.000E+00
552	1	-2.283E-12	-2.638E-13	-1.926E-01	4.633E-04	-1.221E-15	0.000E+00
553	1	-2.283E-12	-1.133E-12	-1.989E-01	4.745E-04	9.229E-05	0.000E+00
554	1	-2.283E-12	-1.436E-12	-2.013E-01	4.824E-04	7.747E-05	0.000E+00
555	1	-1.947E-12	9.087E-13	-1.859E-01	4.971E-04	-6.743E-05	0.000E+00
556	1	-1.947E-12	6.049E-13	-1.839E-01	4.845E-04	-8.884E-05	0.000E+00
557	1	-1.947E-12	-2.638E-13	-1.780E-01	4.518E-04	-1.226E-15	0.000E+00
558	1	-1.947E-12	-1.133E-12	-1.839E-01	4.845E-04	8.884E-05	0.000E+00
559	1	-1.947E-12	-1.436E-12	-1.859E-01	4.971E-04	6.743E-05	0.000E+00
560	1	-1.612E-12	9.087E-13	-1.706E-01	4.310E-04	-4.196E-05	0.000E+00
561	1	-1.612E-12	6.049E-13	-1.689E-01	4.287E-04	-7.125E-05	0.000E+00
562	1	-1.612E-12	-2.638E-13	-1.645E-01	3.861E-04	-1.228E-15	0.000E+00
563	1	-1.612E-12	-1.133E-12	-1.689E-01	4.287E-04	7.125E-05	0.000E+00
564	1	-1.612E-12	-1.436E-12	-1.706E-01	4.310E-04	4.196E-05	0.000E+00
565	1	-3.250E-13	9.087E-13	-1.397E-01	1.097E-15	-6.964E-05	0.000E+00
566	1	-3.250E-13	6.049E-13	-1.378E-01	1.086E-15	-6.401E-05	0.000E+00
567	1	-3.250E-13	-2.638E-13	-1.327E-01	1.017E-15	-1.159E-15	0.000E+00
568	1	-3.250E-13	-1.133E-12	-1.378E-01	1.071E-15	6.401E-05	0.000E+00
569	1	-3.250E-13	-1.436E-12	-1.397E-01	1.070E-15	6.964E-05	0.000E+00
570	1	9.615E-13	9.087E-13	-1.706E-01	-4.310E-04	-4.196E-05	0.000E+00
571	1	9.615E-13	6.049E-13	-1.689E-01	-4.287E-04	-7.125E-05	0.000E+00
572	1	9.615E-13	-2.638E-13	-1.645E-01	-3.861E-04	-1.210E-15	0.000E+00
573	1	9.615E-13	-1.133E-12	-1.689E-01	-4.287E-04	7.125E-05	0.000E+00
574	1	9.615E-13	-1.436E-12	-1.706E-01	-4.310E-04	4.196E-05	0.000E+00
575	1	1.297E-12	9.087E-13	-1.859E-01	-4.971E-04	-6.743E-05	0.000E+00
576	1	1.297E-12	6.049E-13	-1.839E-01	-4.845E-04	-8.884E-05	0.000E+00
577	1	1.297E-12	-2.638E-13	-1.780E-01	-4.518E-04	-1.213E-15	0.000E+00
578	1	1.297E-12	-1.133E-12	-1.839E-01	-4.845E-04	8.884E-05	0.000E+00
579	1	1.297E-12	-1.436E-12	-1.859E-01	-4.971E-04	6.743E-05	0.000E+00
580	1	1.633E-12	9.087E-13	-2.013E-01	-4.824E-04	-7.747E-05	0.000E+00
581	1	1.633E-12	6.049E-13	-1.989E-01	-4.745E-04	-9.229E-05	0.000E+00
582	1	1.633E-12	-2.638E-13	-1.926E-01	-4.633E-04	-1.230E-15	0.000E+00
583	1	1.633E-12	-1.133E-12	-1.989E-01	-4.745E-04	9.229E-05	0.000E+00
584	1	1.633E-12	-1.436E-12	-2.013E-01	-4.824E-04	7.747E-05	0.000E+00
585	1	-8.514E-05	1.127E-03	-2.077E-01	4.636E-04	-7.923E-05	0.000E+00
586	1	-1.799E-04	1.157E-03	-2.053E-01	4.558E-04	-9.246E-05	0.000E+00
587	1	2.280E-05	5.420E-04	-1.992E-01	4.480E-04	-1.515E-07	0.000E+00
588	1	2.221E-04	1.176E-03	-2.053E-01	4.554E-04	9.233E-05	0.000E+00
589	1	1.252E-04	1.145E-03	-2.077E-01	4.631E-04	7.923E-05	0.000E+00
590	1	-1.184E-04	1.003E-03	-1.929E-01	4.793E-04	-6.879E-05	0.000E+00
591	1	-6.954E-05	1.246E-03	-1.909E-01	4.638E-04	-8.949E-05	0.000E+00
592	1	1.896E-05	4.517E-04	-1.851E-01	4.392E-04	-5.602E-08	0.000E+00
593	1	1.078E-04	1.265E-03	-1.909E-01	4.632E-04	8.947E-05	0.000E+00
594	1	1.575E-04	1.019E-03	-1.929E-01	4.788E-04	6.880E-05	0.000E+00
595	1	-9.186E-05	7.997E-04	-1.781E-01	4.217E-04	-4.316E-05	0.000E+00
596	1	-5.065E-05	7.728E-04	-1.764E-01	4.195E-04	-7.225E-05	0.000E+00
597	1	1.666E-05	4.674E-04	-1.719E-01	3.771E-04	1.892E-08	0.000E+00

598	1	8.563E-05	7.821E-04	-1.764E-01	4.194E-04	7.229E-05	0.000E+00
599	1	1.279E-04	8.097E-04	-1.781E-01	4.215E-04	4.320E-05	0.000E+00
600	1	-1.592E-05	7.149E-06	-1.477E-01	1.316E-15	-7.111E-05	0.000E+00
601	1	7.288E-06	5.297E-06	-1.458E-01	1.293E-15	-6.511E-05	0.000E+00
602	1	1.800E-05	-3.603E-13	-1.406E-01	1.188E-15	5.538E-08	0.000E+00
603	1	2.990E-05	-5.297E-06	-1.458E-01	1.203E-15	6.521E-05	0.000E+00
604	1	5.393E-05	-7.149E-06	-1.477E-01	1.196E-15	7.122E-05	0.000E+00
605	1	-7.617E-05	-7.854E-04	-1.781E-01	-4.217E-04	-4.316E-05	0.000E+00
606	1	-3.496E-05	-7.622E-04	-1.764E-01	-4.195E-04	-7.225E-05	0.000E+00
607	1	3.235E-05	-4.674E-04	-1.719E-01	-3.771E-04	1.892E-08	0.000E+00
608	1	1.013E-04	-7.927E-04	-1.764E-01	-4.194E-04	7.229E-05	0.000E+00
609	1	1.436E-04	-8.240E-04	-1.781E-01	-4.215E-04	4.320E-05	0.000E+00
610	1	-9.862E-05	-9.887E-04	-1.929E-01	-4.793E-04	-6.879E-05	0.000E+00
611	1	-4.975E-05	-1.235E-03	-1.909E-01	-4.638E-04	-8.949E-05	0.000E+00
612	1	3.875E-05	-4.517E-04	-1.851E-01	-4.392E-04	-5.602E-08	0.000E+00
613	1	1.275E-04	-1.276E-03	-1.909E-01	-4.632E-04	8.947E-05	0.000E+00
614	1	1.773E-04	-1.033E-03	-1.929E-01	-4.788E-04	6.880E-05	0.000E+00
615	1	-6.126E-05	-1.112E-03	-2.077E-01	-4.636E-04	-7.923E-05	0.000E+00
616	1	-1.560E-04	-1.147E-03	-2.053E-01	-4.558E-04	-9.246E-05	0.000E+00
617	1	4.668E-05	-5.420E-04	-1.992E-01	-4.480E-04	-1.515E-07	0.000E+00
618	1	2.460E-04	-1.186E-03	-2.053E-01	-4.554E-04	9.233E-05	0.000E+00
619	1	1.491E-04	-1.160E-03	-2.077E-01	-4.631E-04	7.923E-05	0.000E+00
620	1	-2.738E-11	1.645E-11	-2.054E-01	4.824E-04	-7.747E-05	0.000E+00
621	1	-2.738E-11	1.215E-11	-2.030E-01	4.745E-04	-9.229E-05	0.000E+00
622	1	-2.738E-11	-1.528E-13	-1.968E-01	4.633E-04	1.326E-15	0.000E+00
623	1	-2.738E-11	-1.245E-11	-2.030E-01	4.745E-04	9.229E-05	0.000E+00
624	1	-2.738E-11	-1.676E-11	-2.054E-01	4.824E-04	7.747E-05	0.000E+00
625	1	-2.262E-11	1.645E-11	-1.900E-01	4.971E-04	-6.743E-05	0.000E+00
626	1	-2.262E-11	1.215E-11	-1.880E-01	4.845E-04	-8.884E-05	0.000E+00
627	1	-2.262E-11	-1.528E-13	-1.822E-01	4.518E-04	1.300E-15	0.000E+00
628	1	-2.262E-11	-1.245E-11	-1.880E-01	4.845E-04	8.884E-05	0.000E+00
629	1	-2.262E-11	-1.676E-11	-1.900E-01	4.971E-04	6.743E-05	0.000E+00
630	1	-1.787E-11	1.645E-11	-1.748E-01	4.310E-04	-4.196E-05	0.000E+00
631	1	-1.787E-11	1.215E-11	-1.731E-01	4.287E-04	-7.125E-05	0.000E+00
632	1	-1.787E-11	-1.528E-13	-1.686E-01	3.861E-04	1.284E-15	0.000E+00
633	1	-1.787E-11	-1.245E-11	-1.731E-01	4.287E-04	7.125E-05	0.000E+00
634	1	-1.787E-11	-1.676E-11	-1.748E-01	4.310E-04	4.196E-05	0.000E+00
635	1	3.490E-13	1.645E-11	-1.438E-01	5.419E-16	-6.964E-05	0.000E+00
636	1	3.490E-13	1.215E-11	-1.419E-01	5.403E-16	-6.401E-05	0.000E+00
637	1	3.490E-13	-1.528E-13	-1.368E-01	5.414E-16	1.149E-15	0.000E+00
638	1	3.490E-13	-1.245E-11	-1.419E-01	6.604E-16	6.401E-05	0.000E+00
639	1	3.490E-13	-1.676E-11	-1.438E-01	6.927E-16	6.964E-05	0.000E+00
640	1	1.857E-11	1.645E-11	-1.748E-01	-4.310E-04	-4.196E-05	0.000E+00
641	1	1.857E-11	1.215E-11	-1.731E-01	-4.287E-04	-7.125E-05	0.000E+00
642	1	1.857E-11	-1.528E-13	-1.686E-01	-3.861E-04	1.094E-15	0.000E+00
643	1	1.857E-11	-1.245E-11	-1.731E-01	-4.287E-04	7.125E-05	0.000E+00
644	1	1.857E-11	-1.676E-11	-1.748E-01	-4.310E-04	4.196E-05	0.000E+00
645	1	2.332E-11	1.645E-11	-1.900E-01	-4.971E-04	-6.743E-05	0.000E+00
646	1	2.332E-11	1.215E-11	-1.880E-01	-4.845E-04	-8.884E-05	0.000E+00
647	1	2.332E-11	-1.528E-13	-1.822E-01	-4.518E-04	1.057E-15	0.000E+00
648	1	2.332E-11	-1.245E-11	-1.880E-01	-4.845E-04	8.884E-05	0.000E+00
649	1	2.332E-11	-1.676E-11	-1.900E-01	-4.971E-04	6.743E-05	0.000E+00
650	1	2.808E-11	1.645E-11	-2.054E-01	-4.824E-04	-7.747E-05	0.000E+00
651	1	2.808E-11	1.215E-11	-2.030E-01	-4.745E-04	-9.229E-05	0.000E+00
652	1	2.808E-11	-1.528E-13	-1.968E-01	-4.633E-04	1.021E-15	0.000E+00
653	1	2.808E-11	-1.245E-11	-2.030E-01	-4.745E-04	9.229E-05	0.000E+00
654	1	2.808E-11	-1.676E-11	-2.054E-01	-4.824E-04	7.747E-05	0.000E+00
655	1	-3.348E-04	1.274E-03	-2.013E-01	4.636E-04	-7.923E-05	0.000E+00
656	1	-4.296E-04	1.266E-03	-1.989E-01	4.558E-04	-9.246E-05	0.000E+00
657	1	-2.269E-04	5.420E-04	-1.927E-01	4.480E-04	-1.572E-07	0.000E+00
658	1	-2.757E-05	1.067E-03	-1.988E-01	4.554E-04	9.233E-05	0.000E+00
659	1	-1.245E-04	9.981E-04	-2.012E-01	4.631E-04	7.922E-05	0.000E+00

660	1	-3.259E-04	1.150E-03	-1.865E-01	4.793E-04	-6.879E-05	0.000E+00
661	1	-2.770E-04	1.355E-03	-1.844E-01	4.638E-04	-8.950E-05	0.000E+00
662	1	-1.885E-04	4.517E-04	-1.786E-01	4.392E-04	-6.167E-08	0.000E+00
663	1	-9.974E-05	1.156E-03	-1.844E-01	4.632E-04	8.946E-05	0.000E+00
664	1	-5.002E-05	8.716E-04	-1.865E-01	4.788E-04	6.879E-05	0.000E+00
665	1	-2.572E-04	9.470E-04	-1.717E-01	4.217E-04	-4.317E-05	0.000E+00
666	1	-2.160E-04	8.820E-04	-1.700E-01	4.195E-04	-7.225E-05	0.000E+00
667	1	-1.487E-04	4.674E-04	-1.654E-01	3.771E-04	1.326E-08	0.000E+00
668	1	-7.968E-05	6.730E-04	-1.700E-01	4.194E-04	7.229E-05	0.000E+00
669	1	-3.740E-05	6.624E-04	-1.717E-01	4.215E-04	4.319E-05	0.000E+00
670	1	-1.959E-05	1.545E-04	-1.413E-01	5.498E-16	-7.112E-05	0.000E+00
671	1	3.610E-06	1.144E-04	-1.393E-01	5.314E-16	-6.512E-05	0.000E+00
672	1	1.432E-05	-1.201E-13	-1.342E-01	4.640E-16	4.972E-08	0.000E+00
673	1	2.622E-05	-1.144E-04	-1.393E-01	4.418E-16	6.521E-05	0.000E+00
674	1	5.025E-05	-1.545E-04	-1.413E-01	4.263E-16	7.121E-05	0.000E+00
675	1	8.178E-05	-6.381E-04	-1.717E-01	-4.217E-04	-4.317E-05	0.000E+00
676	1	1.230E-04	-6.531E-04	-1.700E-01	-4.195E-04	-7.225E-05	0.000E+00
677	1	1.903E-04	-4.674E-04	-1.654E-01	-3.771E-04	1.326E-08	0.000E+00
678	1	2.593E-04	-9.019E-04	-1.700E-01	-4.194E-04	7.229E-05	0.000E+00
679	1	3.016E-04	-9.713E-04	-1.717E-01	-4.215E-04	4.319E-05	0.000E+00
680	1	1.015E-04	-8.414E-04	-1.865E-01	-4.793E-04	-6.879E-05	0.000E+00
681	1	1.504E-04	-1.126E-03	-1.844E-01	-4.638E-04	-8.950E-05	0.000E+00
682	1	2.389E-04	-4.517E-04	-1.786E-01	-4.392E-04	-6.167E-08	0.000E+00
683	1	3.277E-04	-1.385E-03	-1.844E-01	-4.632E-04	8.946E-05	0.000E+00
684	1	3.774E-04	-1.181E-03	-1.865E-01	-4.788E-04	6.879E-05	0.000E+00
685	1	1.811E-04	-9.651E-04	-2.013E-01	-4.636E-04	-7.923E-05	0.000E+00
686	1	8.629E-05	-1.038E-03	-1.989E-01	-4.558E-04	-9.246E-05	0.000E+00
687	1	2.890E-04	-5.420E-04	-1.927E-01	-4.480E-04	-1.572E-07	0.000E+00
688	1	4.883E-04	-1.296E-03	-1.988E-01	-4.554E-04	9.233E-05	0.000E+00
689	1	3.914E-04	-1.307E-03	-2.012E-01	-4.631E-04	7.922E-05	0.000E+00
690	1	-1.927E-03	1.154E-03	-1.935E-01	4.824E-04	-7.747E-05	0.000E+00
691	1	-1.927E-03	8.547E-04	-1.912E-01	4.745E-04	-9.229E-05	0.000E+00
692	1	-1.927E-03	-7.522E-13	-1.849E-01	4.633E-04	-8.325E-16	0.000E+00
693	1	-1.927E-03	-8.547E-04	-1.912E-01	4.745E-04	9.229E-05	0.000E+00
694	1	-1.927E-03	-1.154E-03	-1.935E-01	4.824E-04	7.747E-05	0.000E+00
695	1	-1.596E-03	1.154E-03	-1.781E-01	4.971E-04	-6.743E-05	0.000E+00
696	1	-1.596E-03	8.547E-04	-1.761E-01	4.845E-04	-8.884E-05	0.000E+00
697	1	-1.596E-03	-7.522E-13	-1.703E-01	4.518E-04	-8.603E-16	0.000E+00
698	1	-1.596E-03	-8.547E-04	-1.761E-01	4.845E-04	8.884E-05	0.000E+00
699	1	-1.596E-03	-1.154E-03	-1.781E-01	4.971E-04	6.743E-05	0.000E+00
700	1	-1.266E-03	1.154E-03	-1.629E-01	4.310E-04	-4.196E-05	0.000E+00
701	1	-1.266E-03	8.547E-04	-1.612E-01	4.287E-04	-7.125E-05	0.000E+00
702	1	-1.266E-03	-7.522E-13	-1.567E-01	3.861E-04	-8.878E-16	0.000E+00
703	1	-1.266E-03	-8.547E-04	-1.612E-01	4.287E-04	7.125E-05	0.000E+00
704	1	-1.266E-03	-1.154E-03	-1.629E-01	4.310E-04	4.196E-05	0.000E+00
705	1	-2.140E-13	1.154E-03	-1.319E-01	3.700E-15	-6.964E-05	0.000E+00
706	1	-2.140E-13	8.547E-04	-1.300E-01	3.694E-15	-6.401E-05	0.000E+00
707	1	-2.140E-13	-7.522E-13	-1.249E-01	3.495E-15	-9.161E-16	0.000E+00
708	1	-2.140E-13	-8.547E-04	-1.300E-01	3.802E-15	6.401E-05	0.000E+00
709	1	-2.140E-13	-1.154E-03	-1.319E-01	3.836E-15	6.964E-05	0.000E+00
710	1	1.266E-03	1.154E-03	-1.629E-01	-4.310E-04	-4.196E-05	0.000E+00
711	1	1.266E-03	8.547E-04	-1.612E-01	-4.287E-04	-7.125E-05	0.000E+00
712	1	1.266E-03	-7.522E-13	-1.567E-01	-3.861E-04	-1.070E-15	0.000E+00
713	1	1.266E-03	-8.547E-04	-1.612E-01	-4.287E-04	7.125E-05	0.000E+00
714	1	1.266E-03	-1.154E-03	-1.629E-01	-4.310E-04	4.196E-05	0.000E+00
715	1	1.596E-03	1.154E-03	-1.781E-01	-4.971E-04	-6.743E-05	0.000E+00
716	1	1.596E-03	8.547E-04	-1.761E-01	-4.845E-04	-8.884E-05	0.000E+00
717	1	1.596E-03	-7.522E-13	-1.703E-01	-4.518E-04	-1.100E-15	0.000E+00
718	1	1.596E-03	-8.547E-04	-1.761E-01	-4.845E-04	8.884E-05	0.000E+00
719	1	1.596E-03	-1.154E-03	-1.781E-01	-4.971E-04	6.743E-05	0.000E+00
720	1	1.927E-03	1.154E-03	-1.935E-01	-4.824E-04	-7.747E-05	0.000E+00
721	1	1.927E-03	8.547E-04	-1.912E-01	-4.745E-04	-9.229E-05	0.000E+00

722	1	1.927E-03	-7.522E-13	-1.849E-01	-4.633E-04	-1.137E-15	0.000E+00
723	1	1.927E-03	-8.547E-04	-1.912E-01	-4.745E-04	9.229E-05	0.000E+00
724	1	1.927E-03	-1.154E-03	-1.935E-01	-4.824E-04	7.747E-05	0.000E+00
1000	1	2.331E-02	1.079E-05	3.698E-02	-8.476E-05	2.165E-03	-1.348E-07
1001	1	2.331E-02	-1.079E-05	3.698E-02	8.476E-05	2.165E-03	1.348E-07
1002	1	2.353E-02	9.966E-06	-1.123E-01	-8.476E-05	2.165E-03	-1.348E-07
1003	1	2.353E-02	-9.966E-06	-1.123E-01	8.476E-05	2.165E-03	1.348E-07
1004	1	2.397E-02	2.314E-06	-5.086E-01	-2.233E-04	2.095E-03	-2.669E-07
1005	1	2.397E-02	-2.314E-06	-5.086E-01	2.233E-04	2.095E-03	2.669E-07
1006	1	2.486E-02	-6.911E-07	-1.424E+00	-2.890E-04	1.312E-03	-2.759E-07
1007	1	2.486E-02	6.911E-07	-1.424E+00	2.890E-04	1.312E-03	2.759E-07
1008	1	2.521E-02	5.524E-08	-1.781E+00	-3.217E-04	2.349E-05	-3.152E-07
1009	1	2.521E-02	-5.524E-08	-1.781E+00	3.217E-04	2.349E-05	3.152E-07
1010	1	2.488E-02	2.016E-07	-1.448E+00	-2.890E-04	-1.265E-03	-2.808E-07
1011	1	2.488E-02	-2.016E-07	-1.448E+00	2.890E-04	-1.265E-03	2.808E-07
1012	1	2.401E-02	-7.394E-07	-5.565E-01	-2.233E-04	-2.048E-03	-2.334E-07
1013	1	2.401E-02	7.394E-07	-5.565E-01	2.233E-04	-2.048E-03	2.334E-07
1014	1	2.359E-02	4.253E-07	-1.687E-01	-8.476E-05	-2.118E-03	-8.625E-08
1015	1	2.359E-02	-4.253E-07	-1.687E-01	8.476E-05	-2.118E-03	8.625E-08
1016	1	2.359E-02	-5.526E-06	-2.263E-02	-8.476E-05	-2.118E-03	-8.625E-08
1017	1	2.359E-02	5.526E-06	-2.263E-02	8.476E-05	-2.118E-03	8.625E-08
1018	1	-8.054E-04	3.256E-04	-2.056E-02	-8.476E-05	2.148E-03	-2.113E-07
1019	1	-7.672E-04	3.147E-04	-2.056E-02	8.476E-05	2.148E-03	-3.973E-08
1020	1	-8.054E-04	3.110E-04	-1.687E-01	-8.476E-05	2.148E-03	-2.113E-07
1021	1	-7.672E-04	3.119E-04	-1.687E-01	8.476E-05	2.148E-03	-3.973E-08
1022	1	-3.747E-04	2.896E-04	-5.619E-01	-2.233E-04	2.078E-03	-3.580E-07
1023	1	-3.365E-04	2.880E-04	-5.619E-01	2.233E-04	2.078E-03	1.070E-07
1024	1	5.094E-04	2.253E-04	-1.469E+00	-2.890E-04	1.295E-03	-4.068E-07
1025	1	5.476E-04	2.245E-04	-1.469E+00	2.890E-04	1.295E-03	1.557E-07
1026	1	8.489E-04	1.489E-04	-1.817E+00	-3.217E-04	6.648E-06	-5.188E-07
1027	1	8.872E-04	1.728E-04	-1.817E+00	3.217E-04	6.648E-06	2.678E-07
1028	1	5.161E-04	2.021E-04	-1.475E+00	-2.890E-04	-1.282E-03	6.627E-07
1029	1	5.543E-04	-8.475E-06	-1.475E+00	2.890E-04	-1.282E-03	-9.138E-07
1030	1	-3.614E-04	-3.078E-04	-5.755E-01	-2.233E-04	-2.065E-03	-7.578E-06
1031	1	-3.232E-04	3.737E-04	-5.755E-01	2.233E-04	-2.065E-03	7.327E-06
1032	1	-7.894E-04	-2.233E-03	-1.847E-01	-8.476E-05	-2.135E-03	-1.069E-05
1033	1	-7.512E-04	2.253E-03	-1.847E-01	8.476E-05	-2.135E-03	1.044E-05
1034	1	-1.003E-03	-2.962E-03	-3.743E-02	-8.476E-05	-2.134E-03	-1.069E-05
1035	1	-9.646E-04	2.965E-03	-3.743E-02	8.476E-05	-2.134E-03	1.044E-05
1036	1	6.054E-04	-3.034E-03	-3.694E-02	-8.477E-05	2.141E-03	1.049E-05
1037	1	6.436E-04	3.030E-03	-3.694E-02	8.477E-05	2.141E-03	-1.074E-05
1038	1	8.195E-04	-2.301E-03	-1.847E-01	-8.477E-05	2.142E-03	1.049E-05
1039	1	8.577E-04	2.281E-03	-1.847E-01	8.477E-05	2.142E-03	-1.074E-05
1040	1	1.249E-03	-3.794E-04	-5.767E-01	-2.233E-04	2.072E-03	7.012E-06
1041	1	1.287E-03	3.135E-04	-5.767E-01	2.233E-04	2.072E-03	-7.263E-06
1042	1	2.130E-03	1.027E-05	-1.480E+00	-2.890E-04	1.289E-03	-1.498E-06
1043	1	2.168E-03	-2.039E-04	-1.480E+00	2.890E-04	1.289E-03	1.247E-06
1044	1	2.466E-03	-1.730E-04	-1.826E+00	-3.217E-04	3.430E-07	-3.602E-07
1045	1	2.504E-03	-1.487E-04	-1.826E+00	3.217E-04	3.430E-07	1.092E-07
1046	1	2.130E-03	-2.241E-04	-1.481E+00	-2.890E-04	-1.288E-03	-4.059E-07
1047	1	2.168E-03	-2.257E-04	-1.481E+00	2.890E-04	-1.288E-03	1.549E-07
1048	1	1.250E-03	-2.894E-04	-5.774E-01	-2.233E-04	-2.071E-03	-3.599E-07
1049	1	1.288E-03	-2.881E-04	-5.774E-01	2.233E-04	-2.071E-03	1.088E-07
1050	1	8.203E-04	-3.111E-04	-1.855E-01	-8.476E-05	-2.141E-03	-2.122E-07
1051	1	8.585E-04	-3.119E-04	-1.855E-01	8.476E-05	-2.141E-03	-3.880E-08
1052	1	8.203E-04	-3.257E-04	-3.781E-02	-8.476E-05	-2.141E-03	-2.122E-07
1053	1	8.585E-04	-3.146E-04	-3.781E-02	8.476E-05	-2.141E-03	-3.880E-08
1054	1	-8.450E-04	1.250E-03	-3.774E-02	-8.476E-05	2.142E-03	-5.739E-07
1055	1	-6.964E-04	1.239E-03	-3.774E-02	8.476E-05	2.142E-03	-4.023E-07
1056	1	-8.450E-04	1.211E-03	-1.855E-01	-8.476E-05	2.142E-03	-5.739E-07
1057	1	-6.964E-04	1.212E-03	-1.855E-01	8.476E-05	2.142E-03	-4.023E-07
1058	1	-4.155E-04	1.124E-03	-5.776E-01	-2.233E-04	2.072E-03	-7.206E-07

1059	1	-2.669E-04	1.122E-03	-5.776E-01	2.233E-04	2.072E-03	-2.556E-07
1060	1	4.657E-04	8.749E-04	-1.481E+00	-2.890E-04	1.289E-03	-7.694E-07
1061	1	6.143E-04	8.741E-04	-1.481E+00	2.890E-04	1.289E-03	-2.069E-07
1062	1	8.023E-04	6.136E-04	-1.827E+00	-3.217E-04	8.068E-07	-8.814E-07
1063	1	9.509E-04	6.375E-04	-1.827E+00	3.217E-04	8.068E-07	-9.485E-08
1064	1	4.665E-04	4.819E-04	-1.482E+00	-2.890E-04	-1.287E-03	3.001E-07
1065	1	6.151E-04	2.713E-04	-1.482E+00	2.890E-04	-1.287E-03	-1.276E-06
1066	1	-4.139E-04	-2.126E-04	-5.793E-01	-2.233E-04	-2.071E-03	-7.941E-06
1067	1	-2.653E-04	4.689E-04	-5.793E-01	2.233E-04	-2.071E-03	6.965E-06
1068	1	-8.431E-04	-2.203E-03	-1.874E-01	-8.476E-05	-2.140E-03	-1.106E-05
1069	1	-6.945E-04	2.283E-03	-1.874E-01	8.476E-05	-2.140E-03	1.008E-05
1070	1	-1.057E-03	-2.958E-03	-3.978E-02	-8.476E-05	-2.140E-03	-1.106E-05
1071	1	-9.085E-04	2.970E-03	-3.978E-02	8.476E-05	-2.140E-03	1.008E-05
1072	1	5.516E-04	-3.038E-03	-3.960E-02	-8.477E-05	2.143E-03	1.013E-05
1073	1	7.002E-04	3.026E-03	-3.960E-02	8.477E-05	2.143E-03	-1.110E-05
1074	1	7.659E-04	-2.331E-03	-1.874E-01	-8.477E-05	2.143E-03	1.013E-05
1075	1	9.144E-04	2.251E-03	-1.874E-01	8.477E-05	2.143E-03	-1.110E-05
1076	1	1.196E-03	-4.746E-04	-5.798E-01	-2.233E-04	2.073E-03	6.649E-06
1077	1	1.344E-03	2.183E-04	-5.798E-01	2.233E-04	2.073E-03	-7.626E-06
1078	1	2.077E-03	-2.695E-04	-1.484E+00	-2.890E-04	1.290E-03	-1.860E-06
1079	1	2.226E-03	-4.837E-04	-1.484E+00	2.890E-04	1.290E-03	8.842E-07
1080	1	2.414E-03	-6.377E-04	-1.830E+00	-3.217E-04	1.881E-06	-7.228E-07
1081	1	2.563E-03	-6.133E-04	-1.830E+00	3.217E-04	1.881E-06	-2.534E-07
1082	1	2.079E-03	-8.737E-04	-1.486E+00	-2.890E-04	-1.286E-03	-7.685E-07
1083	1	2.228E-03	-8.753E-04	-1.486E+00	2.890E-04	-1.286E-03	-2.077E-07
1084	1	1.199E-03	-1.124E-03	-5.836E-01	-2.233E-04	-2.070E-03	-7.225E-07
1085	1	1.348E-03	-1.122E-03	-5.836E-01	2.233E-04	-2.070E-03	-2.538E-07
1086	1	7.704E-04	-1.211E-03	-1.919E-01	-8.476E-05	-2.139E-03	-5.748E-07
1087	1	9.189E-04	-1.212E-03	-1.919E-01	8.476E-05	-2.139E-03	-4.014E-07
1088	1	7.704E-04	-1.251E-03	-4.437E-02	-8.476E-05	-2.139E-03	-5.748E-07
1089	1	9.189E-04	-1.239E-03	-4.437E-02	8.476E-05	-2.139E-03	-4.014E-07
1090	1	-6.658E-04	-1.615E-03	-4.449E-02	-8.476E-05	2.138E-03	5.494E-07
1091	1	-8.591E-04	-1.626E-03	-4.449E-02	8.476E-05	2.138E-03	7.210E-07
1092	1	-6.658E-04	-1.577E-03	-1.919E-01	-8.476E-05	2.138E-03	5.494E-07
1093	1	-8.591E-04	-1.576E-03	-1.919E-01	8.476E-05	2.138E-03	7.210E-07
1094	1	-2.371E-04	-1.460E-03	-5.833E-01	-2.233E-04	2.068E-03	4.027E-07
1095	1	-4.305E-04	-1.462E-03	-5.833E-01	2.233E-04	2.068E-03	8.677E-07
1096	1	6.419E-04	-1.138E-03	-1.485E+00	-2.890E-04	1.285E-03	3.539E-07
1097	1	4.485E-04	-1.138E-03	-1.485E+00	2.890E-04	1.285E-03	9.164E-07
1098	1	9.763E-04	-8.259E-04	-1.828E+00	-3.217E-04	-3.604E-06	2.419E-07
1099	1	7.829E-04	-8.021E-04	-1.828E+00	3.217E-04	-3.604E-06	1.028E-06
1100	1	6.383E-04	-3.847E-04	-1.481E+00	-2.890E-04	-1.292E-03	1.423E-06
1101	1	4.449E-04	-5.954E-04	-1.481E+00	2.890E-04	-1.292E-03	-1.531E-07
1102	1	-2.443E-04	-5.075E-04	-5.760E-01	-2.233E-04	-2.075E-03	-6.818E-06
1103	1	-4.377E-04	1.740E-04	-5.760E-01	2.233E-04	-2.075E-03	8.088E-06
1104	1	-6.744E-04	-2.295E-03	-1.833E-01	-8.476E-05	-2.145E-03	-9.933E-06
1105	1	-8.678E-04	2.191E-03	-1.833E-01	8.476E-05	-2.145E-03	1.120E-05
1106	1	-8.888E-04	-2.972E-03	-3.534E-02	-8.476E-05	-2.145E-03	-9.933E-06
1107	1	-1.082E-03	2.956E-03	-3.534E-02	8.476E-05	-2.145E-03	1.120E-05
1108	1	7.202E-04	-3.024E-03	-3.545E-02	-8.477E-05	2.143E-03	1.125E-05
1109	1	5.269E-04	3.040E-03	-3.545E-02	8.477E-05	2.143E-03	-9.981E-06
1110	1	9.345E-04	-2.239E-03	-1.833E-01	-8.477E-05	2.143E-03	1.125E-05
1111	1	7.412E-04	2.343E-03	-1.833E-01	8.477E-05	2.143E-03	-9.981E-06
1112	1	1.364E-03	-1.797E-04	-5.757E-01	-2.233E-04	2.074E-03	7.773E-06
1113	1	1.171E-03	5.132E-04	-5.757E-01	2.233E-04	2.074E-03	-6.502E-06
1114	1	2.246E-03	5.972E-04	-1.480E+00	-2.890E-04	1.290E-03	-7.372E-07
1115	1	2.053E-03	3.829E-04	-1.480E+00	2.890E-04	1.290E-03	2.008E-06
1116	1	2.583E-03	8.018E-04	-1.826E+00	-3.217E-04	2.065E-06	4.005E-07
1117	1	2.390E-03	8.262E-04	-1.826E+00	3.217E-04	2.065E-06	8.699E-07
1118	1	2.248E-03	1.139E-03	-1.482E+00	-2.890E-04	-1.286E-03	3.548E-07
1119	1	2.055E-03	1.137E-03	-1.482E+00	2.890E-04	-1.286E-03	9.156E-07
1120	1	1.368E-03	1.461E-03	-5.799E-01	-2.233E-04	-2.069E-03	4.008E-07

1121	1	1.175E-03	1.462E-03	-5.799E-01	2.233E-04	-2.069E-03	8.695E-07
1122	1	9.395E-04	1.577E-03	-1.882E-01	-8.476E-05	-2.139E-03	5.485E-07
1123	1	7.461E-04	1.576E-03	-1.882E-01	8.476E-05	-2.139E-03	7.219E-07
1124	1	9.395E-04	1.614E-03	-4.069E-02	-8.476E-05	-2.139E-03	5.485E-07
1125	1	7.461E-04	1.626E-03	-4.069E-02	8.476E-05	-2.139E-03	7.219E-07
1126	1	-7.699E-04	3.084E-05	-4.055E-02	-8.476E-05	2.141E-03	-9.573E-08
1127	1	-7.668E-04	1.989E-05	-4.055E-02	8.476E-05	2.141E-03	7.584E-08
1128	1	-7.699E-04	2.423E-05	-1.882E-01	-8.476E-05	2.141E-03	-9.573E-08
1129	1	-7.668E-04	2.513E-05	-1.882E-01	8.476E-05	2.141E-03	7.584E-08
1130	1	-3.405E-04	2.368E-05	-5.803E-01	-2.233E-04	2.072E-03	-2.425E-07
1131	1	-3.375E-04	2.208E-05	-5.803E-01	2.233E-04	2.072E-03	2.226E-07
1132	1	5.403E-04	1.821E-05	-1.484E+00	-2.890E-04	1.288E-03	-2.912E-07
1133	1	5.433E-04	1.742E-05	-1.484E+00	2.890E-04	1.288E-03	2.713E-07
1134	1	8.765E-04	8.167E-07	-1.829E+00	-3.217E-04	4.205E-08	-4.032E-07
1135	1	8.796E-04	2.467E-05	-1.829E+00	3.217E-04	4.205E-08	3.833E-07
1136	1	5.404E-04	1.130E-04	-1.484E+00	-2.890E-04	-1.288E-03	7.783E-07
1137	1	5.434E-04	-9.764E-05	-1.484E+00	2.890E-04	-1.288E-03	-7.982E-07
1138	1	-3.404E-04	-3.382E-04	-5.804E-01	-2.233E-04	-2.072E-03	-7.463E-06
1139	1	-3.374E-04	3.434E-04	-5.804E-01	2.233E-04	-2.072E-03	7.443E-06
1140	1	-7.698E-04	-2.242E-03	-1.883E-01	-8.476E-05	-2.141E-03	-1.058E-05
1141	1	-7.667E-04	2.244E-03	-1.883E-01	8.476E-05	-2.141E-03	1.056E-05
1142	1	-9.838E-04	-2.964E-03	-4.065E-02	-8.476E-05	-2.141E-03	-1.058E-05
1143	1	-9.808E-04	2.964E-03	-4.065E-02	8.476E-05	-2.141E-03	1.056E-05
1144	1	6.250E-04	-3.032E-03	-4.058E-02	-8.477E-05	2.142E-03	1.061E-05
1145	1	6.280E-04	3.032E-03	-4.058E-02	8.477E-05	2.142E-03	-1.063E-05
1146	1	8.392E-04	-2.292E-03	-1.883E-01	-8.477E-05	2.142E-03	1.061E-05
1147	1	8.422E-04	2.290E-03	-1.883E-01	8.477E-05	2.142E-03	-1.063E-05
1148	1	1.269E-03	-3.490E-04	-5.805E-01	-2.233E-04	2.072E-03	7.128E-06
1149	1	1.272E-03	3.438E-04	-5.805E-01	2.233E-04	2.072E-03	-7.148E-06
1150	1	2.150E-03	9.944E-05	-1.484E+00	-2.890E-04	1.289E-03	-1.382E-06
1151	1	2.153E-03	-1.148E-04	-1.484E+00	2.890E-04	1.289E-03	1.362E-06
1152	1	2.487E-03	-2.492E-05	-1.830E+00	-3.217E-04	9.185E-07	-2.446E-07
1153	1	2.490E-03	-5.665E-07	-1.830E+00	3.217E-04	9.185E-07	2.247E-07
1154	1	2.151E-03	-1.700E-05	-1.485E+00	-2.890E-04	-1.287E-03	-2.904E-07
1155	1	2.154E-03	-1.863E-05	-1.485E+00	2.890E-04	-1.287E-03	2.705E-07
1156	1	1.271E-03	-2.355E-05	-5.824E-01	-2.233E-04	-2.071E-03	-2.443E-07
1157	1	1.274E-03	-2.221E-05	-5.824E-01	2.233E-04	-2.071E-03	2.244E-07
1158	1	8.414E-04	-2.428E-05	-1.905E-01	-8.476E-05	-2.140E-03	-9.666E-08
1159	1	8.444E-04	-2.508E-05	-1.905E-01	8.476E-05	-2.140E-03	7.677E-08
1160	1	8.414E-04	-3.095E-05	-4.292E-02	-8.476E-05	-2.140E-03	-9.666E-08
1161	1	8.444E-04	-1.978E-05	-4.292E-02	8.476E-05	-2.140E-03	7.677E-08
1162	1	-7.776E-04	1.895E-04	-4.288E-02	-8.476E-05	2.141E-03	-1.579E-07
1163	1	-7.556E-04	1.785E-04	-4.288E-02	8.476E-05	2.141E-03	1.364E-08
1164	1	-7.776E-04	1.786E-04	-1.905E-01	-8.476E-05	2.141E-03	-1.579E-07
1165	1	-7.556E-04	1.795E-04	-1.905E-01	8.476E-05	2.141E-03	1.364E-08
1166	1	-3.483E-04	1.668E-04	-5.825E-01	-2.233E-04	2.071E-03	-3.047E-07
1167	1	-3.264E-04	1.652E-04	-5.825E-01	2.233E-04	2.071E-03	1.604E-07
1168	1	5.323E-04	1.296E-04	-1.486E+00	-2.890E-04	1.288E-03	-3.534E-07
1169	1	5.543E-04	1.289E-04	-1.486E+00	2.890E-04	1.288E-03	2.091E-07
1170	1	8.683E-04	8.052E-05	-1.831E+00	-3.217E-04	-3.415E-07	-4.654E-07
1171	1	8.903E-04	1.044E-04	-1.831E+00	3.217E-04	-3.415E-07	3.211E-07
1172	1	5.320E-04	1.610E-04	-1.485E+00	-2.890E-04	-1.289E-03	7.161E-07
1173	1	5.539E-04	-4.965E-05	-1.485E+00	2.890E-04	-1.289E-03	-8.604E-07
1174	1	-3.490E-04	-3.218E-04	-5.818E-01	-2.233E-04	-2.072E-03	-7.525E-06
1175	1	-3.271E-04	3.597E-04	-5.818E-01	2.233E-04	-2.072E-03	7.381E-06
1176	1	-7.784E-04	-2.237E-03	-1.897E-01	-8.476E-05	-2.142E-03	-1.064E-05
1177	1	-7.565E-04	2.249E-03	-1.897E-01	8.476E-05	-2.142E-03	1.050E-05
1178	1	-9.925E-04	-2.963E-03	-4.201E-02	-8.476E-05	-2.141E-03	-1.064E-05
1179	1	-9.706E-04	2.965E-03	-4.201E-02	8.476E-05	-2.141E-03	1.050E-05
1180	1	6.167E-04	-3.033E-03	-4.220E-02	-8.477E-05	2.139E-03	1.054E-05
1181	1	6.386E-04	3.031E-03	-4.220E-02	8.477E-05	2.139E-03	-1.069E-05
1182	1	8.305E-04	-2.297E-03	-1.897E-01	-8.477E-05	2.139E-03	1.054E-05

1183	1	8.525E-04	2.285E-03	-1.897E-01	8.477E-05	2.139E-03	-1.069E-05
1184	1	1.259E-03	-3.654E-04	-5.813E-01	-2.233E-04	2.069E-03	7.065E-06
1185	1	1.281E-03	3.275E-04	-5.813E-01	2.233E-04	2.069E-03	-7.210E-06
1186	1	2.139E-03	5.145E-05	-1.483E+00	-2.890E-04	1.286E-03	-1.444E-06
1187	1	2.161E-03	-1.628E-04	-1.483E+00	2.890E-04	1.286E-03	1.300E-06
1188	1	2.474E-03	-1.046E-04	-1.827E+00	-3.217E-04	-2.341E-06	-3.068E-07
1189	1	2.496E-03	-8.027E-05	-1.827E+00	3.217E-04	-2.341E-06	1.625E-07
1190	1	2.137E-03	-1.284E-04	-1.481E+00	-2.890E-04	-1.291E-03	-3.526E-07
1191	1	2.159E-03	-1.301E-04	-1.481E+00	2.890E-04	-1.291E-03	2.083E-07
1192	1	1.255E-03	-1.666E-04	-5.765E-01	-2.233E-04	-2.074E-03	-3.065E-07
1193	1	1.277E-03	-1.653E-04	-5.765E-01	2.233E-04	-2.074E-03	1.622E-07
1194	1	8.249E-04	-1.786E-04	-1.841E-01	-8.476E-05	-2.144E-03	-1.589E-07
1195	1	8.469E-04	-1.794E-04	-1.841E-01	8.476E-05	-2.144E-03	1.457E-08
1196	1	8.249E-04	-1.896E-04	-3.625E-02	-8.476E-05	-2.143E-03	-1.589E-07
1197	1	8.469E-04	-1.784E-04	-3.625E-02	8.476E-05	-2.143E-03	1.457E-08
1198	1	-7.835E-04	1.712E-04	-3.622E-02	-8.476E-05	2.144E-03	-1.508E-07
1199	1	-7.637E-04	1.603E-04	-3.622E-02	8.476E-05	2.144E-03	2.080E-08
1200	1	-7.835E-04	1.608E-04	-1.841E-01	-8.476E-05	2.144E-03	-1.508E-07
1201	1	-7.637E-04	1.617E-04	-1.841E-01	8.476E-05	2.144E-03	2.080E-08
1202	1	-3.536E-04	1.503E-04	-5.767E-01	-2.233E-04	2.074E-03	-2.975E-07
1203	1	-3.338E-04	1.487E-04	-5.767E-01	2.233E-04	2.074E-03	1.675E-07
1204	1	5.287E-04	1.168E-04	-1.481E+00	-2.890E-04	1.291E-03	-3.462E-07
1205	1	5.485E-04	1.160E-04	-1.481E+00	2.890E-04	1.291E-03	2.163E-07
1206	1	8.664E-04	7.136E-05	-1.828E+00	-3.217E-04	2.919E-06	-4.583E-07
1207	1	8.861E-04	9.522E-05	-1.828E+00	3.217E-04	2.919E-06	3.283E-07
1208	1	5.316E-04	1.555E-04	-1.484E+00	-2.890E-04	-1.285E-03	7.233E-07
1209	1	5.514E-04	-5.517E-05	-1.484E+00	2.890E-04	-1.285E-03	-8.532E-07
1210	1	-3.478E-04	-3.237E-04	-5.826E-01	-2.233E-04	-2.069E-03	-7.518E-06
1211	1	-3.280E-04	3.578E-04	-5.826E-01	2.233E-04	-2.069E-03	7.388E-06
1212	1	-7.765E-04	-2.238E-03	-1.911E-01	-8.476E-05	-2.138E-03	-1.063E-05
1213	1	-7.567E-04	2.248E-03	-1.911E-01	8.476E-05	-2.138E-03	1.050E-05
1214	1	-9.903E-04	-2.963E-03	-4.362E-02	-8.476E-05	-2.138E-03	-1.063E-05
1215	1	-9.705E-04	2.965E-03	-4.362E-02	8.476E-05	-2.138E-03	1.050E-05
1216	1	6.185E-04	-3.033E-03	-4.350E-02	-8.477E-05	2.140E-03	1.055E-05
1217	1	6.383E-04	3.031E-03	-4.350E-02	8.477E-05	2.140E-03	-1.068E-05
1218	1	8.324E-04	-2.296E-03	-1.911E-01	-8.477E-05	2.140E-03	1.055E-05
1219	1	8.522E-04	2.286E-03	-1.911E-01	8.477E-05	2.140E-03	-1.068E-05
1220	1	1.262E-03	-3.635E-04	-5.829E-01	-2.233E-04	2.070E-03	7.073E-06
1221	1	1.281E-03	3.294E-04	-5.829E-01	2.233E-04	2.070E-03	-7.203E-06
1222	1	2.142E-03	5.697E-05	-1.486E+00	-2.890E-04	1.287E-03	-1.437E-06
1223	1	2.162E-03	-1.573E-04	-1.486E+00	2.890E-04	1.287E-03	1.307E-06
1224	1	2.477E-03	-9.547E-05	-1.830E+00	-3.217E-04	-1.198E-06	-2.997E-07
1225	1	2.497E-03	-7.111E-05	-1.830E+00	3.217E-04	-1.198E-06	1.697E-07
1226	1	2.141E-03	-1.156E-04	-1.484E+00	-2.890E-04	-1.289E-03	-3.454E-07
1227	1	2.160E-03	-1.172E-04	-1.484E+00	2.890E-04	-1.289E-03	2.154E-07
1228	1	1.259E-03	-1.502E-04	-5.805E-01	-2.233E-04	-2.073E-03	-2.994E-07
1229	1	1.279E-03	-1.488E-04	-5.805E-01	2.233E-04	-2.073E-03	1.694E-07
1230	1	8.296E-04	-1.609E-04	-1.882E-01	-8.476E-05	-2.142E-03	-1.517E-07
1231	1	8.493E-04	-1.617E-04	-1.882E-01	8.476E-05	-2.142E-03	2.172E-08
1232	1	8.296E-04	-1.713E-04	-4.046E-02	-8.476E-05	-2.142E-03	-1.517E-07
1233	1	8.493E-04	-1.602E-04	-4.046E-02	8.476E-05	-2.142E-03	2.172E-08
1234	1	-9.805E-04	3.587E-03	-4.065E-02	-8.476E-05	2.140E-03	-1.490E-06
1235	1	-5.531E-04	3.576E-03	-4.065E-02	8.476E-05	2.140E-03	-1.318E-06
1236	1	-9.805E-04	3.484E-03	-1.882E-01	-8.476E-05	2.140E-03	-1.490E-06
1237	1	-5.531E-04	3.485E-03	-1.882E-01	8.476E-05	2.140E-03	-1.318E-06
1238	1	-5.514E-04	3.231E-03	-5.800E-01	-2.233E-04	2.070E-03	-1.637E-06
1239	1	-1.240E-04	3.229E-03	-5.800E-01	2.233E-04	2.070E-03	-1.172E-06
1240	1	3.286E-04	2.516E-03	-1.483E+00	-2.890E-04	1.287E-03	-1.685E-06
1241	1	7.561E-04	2.515E-03	-1.483E+00	2.890E-04	1.287E-03	-1.123E-06
1242	1	6.641E-04	1.787E-03	-1.827E+00	-3.217E-04	-1.492E-06	-1.797E-06
1243	1	1.092E-03	1.811E-03	-1.827E+00	3.217E-04	-1.492E-06	-1.011E-06
1244	1	3.272E-04	1.189E-03	-1.481E+00	-2.890E-04	-1.290E-03	-6.159E-07

1245	1	7.546E-04	9.780E-04	-1.481E+00	2.890E-04	-1.290E-03	-2.192E-06
1246	1	-5.544E-04	2.781E-05	-5.769E-01	-2.233E-04	-2.073E-03	-8.857E-06
1247	1	-1.270E-04	7.093E-04	-5.769E-01	2.233E-04	-2.073E-03	6.049E-06
1248	1	-9.840E-04	-2.129E-03	-1.847E-01	-8.476E-05	-2.143E-03	-1.197E-05
1249	1	-5.566E-04	2.358E-03	-1.847E-01	8.476E-05	-2.143E-03	9.165E-06
1250	1	-1.198E-03	-2.946E-03	-3.687E-02	-8.476E-05	-2.143E-03	-1.197E-05
1251	1	-7.709E-04	2.981E-03	-3.687E-02	8.476E-05	-2.143E-03	9.165E-06
1252	1	4.112E-04	-3.050E-03	-3.720E-02	-8.477E-05	2.138E-03	9.212E-06
1253	1	8.386E-04	3.014E-03	-3.720E-02	8.477E-05	2.138E-03	-1.202E-05
1254	1	6.249E-04	-2.405E-03	-1.847E-01	-8.477E-05	2.138E-03	9.212E-06
1255	1	1.052E-03	2.177E-03	-1.847E-01	8.477E-05	2.138E-03	-1.202E-05
1256	1	1.054E-03	-7.150E-04	-5.760E-01	-2.233E-04	2.068E-03	5.733E-06
1257	1	1.481E-03	-2.216E-05	-5.760E-01	2.233E-04	2.068E-03	-8.542E-06
1258	1	1.933E-03	-9.762E-04	-1.478E+00	-2.890E-04	1.285E-03	-2.776E-06
1259	1	2.360E-03	-1.190E-03	-1.478E+00	2.890E-04	1.285E-03	-3.177E-08
1260	1	2.267E-03	-1.812E-03	-1.821E+00	-3.217E-04	-3.456E-06	-1.639E-06
1261	1	2.695E-03	-1.787E-03	-1.821E+00	3.217E-04	-3.456E-06	-1.169E-06
1262	1	1.929E-03	-2.515E-03	-1.474E+00	-2.890E-04	-1.292E-03	-1.685E-06
1263	1	2.357E-03	-2.516E-03	-1.474E+00	2.890E-04	-1.292E-03	-1.124E-06
1264	1	1.047E-03	-3.231E-03	-5.690E-01	-2.233E-04	-2.075E-03	-1.638E-06
1265	1	1.474E-03	-3.230E-03	-5.690E-01	2.233E-04	-2.075E-03	-1.170E-06
1266	1	6.166E-04	-3.484E-03	-1.764E-01	-8.476E-05	-2.145E-03	-1.491E-06
1267	1	1.044E-03	-3.485E-03	-1.764E-01	8.476E-05	-2.145E-03	-1.317E-06
1268	1	6.166E-04	-3.587E-03	-2.843E-02	-8.476E-05	-2.145E-03	-1.491E-06
1269	1	1.044E-03	-3.576E-03	-2.843E-02	8.476E-05	-2.145E-03	-1.317E-06
1270	1	-2.333E-02	5.526E-06	-3.052E-02	-8.476E-05	2.114E-03	-8.625E-08
1271	1	-2.333E-02	-5.526E-06	-3.052E-02	8.476E-05	2.114E-03	8.625E-08
1272	1	-2.333E-02	-4.251E-07	-1.764E-01	-8.476E-05	2.115E-03	-8.625E-08
1273	1	-2.333E-02	4.251E-07	-1.764E-01	8.476E-05	2.115E-03	8.625E-08
1274	1	-2.291E-02	7.388E-07	-5.636E-01	-2.233E-04	2.045E-03	-2.334E-07
1275	1	-2.291E-02	-7.388E-07	-5.636E-01	2.233E-04	2.045E-03	2.334E-07
1276	1	-2.204E-02	-2.070E-07	-1.453E+00	-2.890E-04	1.262E-03	-2.808E-07
1277	1	-2.204E-02	2.070E-07	-1.453E+00	2.890E-04	1.262E-03	2.808E-07
1278	1	-2.172E-02	5.387E-08	-1.785E+00	-3.217E-04	-2.668E-05	-3.144E-07
1279	1	-2.172E-02	-5.387E-08	-1.785E+00	3.217E-04	-2.668E-05	3.144E-07
1280	1	-2.207E-02	-2.704E-07	-1.426E+00	-2.890E-04	-1.315E-03	-2.857E-07
1281	1	-2.207E-02	2.704E-07	-1.426E+00	2.890E-04	-1.315E-03	2.857E-07
1282	1	-2.296E-02	7.966E-07	-5.092E-01	-2.233E-04	-2.098E-03	-2.008E-07
1283	1	-2.296E-02	-7.966E-07	-5.092E-01	2.233E-04	-2.098E-03	2.008E-07
1284	1	-2.340E-02	1.056E-05	-1.123E-01	-8.476E-05	-2.168E-03	-3.891E-08
1285	1	-2.340E-02	-1.056E-05	-1.123E-01	8.476E-05	-2.168E-03	3.891E-08
1286	1	-2.361E-02	1.635E-05	3.721E-02	-8.476E-05	-2.168E-03	-3.891E-08
1287	1	-2.361E-02	-1.635E-05	3.721E-02	8.476E-05	-2.168E-03	3.891E-08

REAZIONI VINCOLARI:

FILE: Reavc001.bin							
Caso di carico: 1 - SLU (1.3xC1 + 1.5xC2 + 1.5xC3 + 1.5xC5)							
Punto	Sest.	Fx (kN)	Fy (kN)	Fz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)
1	1	-1.066E-10	5.892E-11	2.898E+05	9.155E-06	-1.300E-05	0.000E+00
2	1	-2.021E-11	5.891E-10	2.969E+05	-2.218E-05	-2.352E+02	0.000E+00
3	1	6.574E-10	4.053E-10	2.966E+05	2.349E-06	-8.445E-06	0.000E+00
4	1	-2.366E-10	-1.160E-10	2.980E+05	-1.281E-05	-2.352E+02	0.000E+00
5	1	4.174E-10	-3.468E-10	2.992E+05	1.696E-08	-1.324E-06	0.000E+00
6	1	4.157E-10	-7.778E-10	2.963E+05	2.161E-07	-2.352E+02	0.000E+00
7	1	-1.784E-09	-1.000E-09	2.995E+05	9.219E-06	-1.467E+05	0.000E+00
8	1	3.299E-10	-4.203E-10	3.019E+05	-9.293E-06	-2.352E+02	0.000E+00
9	1	2.414E-09	4.456E-10	3.004E+05	-1.613E-05	1.467E+05	0.000E+00
10	1	-1.972E-10	3.518E-10	2.989E+05	1.007E-05	-2.352E+02	0.000E+00
11	1	1.214E-10	9.407E-11	2.961E+05	-6.690E-06	6.711E-06	0.000E+00
12	1	7.016E-10	1.346E-10	2.994E+05	-6.639E-06	-2.352E+02	0.000E+00
13	1	5.723E-11	6.810E-12	2.977E+05	-3.352E-06	-6.142E-06	0.000E+00
14	1	-3.422E-10	-9.753E-10	2.969E+05	-2.695E-06	-2.352E+02	0.000E+00
15	1	-2.542E-10	5.828E-11	2.929E+05	-2.732E-05	6.155E-06	0.000E+00
100	1	2.489E-38	4.326E-39	0.000E+00	0.000E+00	0.000E+00	0.000E+00
101	1	3.301E-25	1.967E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
102	1	2.484E-12	3.216E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
103	1	3.593E-23	-9.536E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
104	1	-2.484E-12	4.619E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
105	1	-7.171E-38	-9.916E-39	0.000E+00	0.000E+00	0.000E+00	0.000E+00
106	1	-1.805E-25	2.628E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
107	1	-6.413E-23	5.963E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
108	1	-4.182E-10	1.280E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
109	1	-2.125E-22	2.538E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
110	1	-4.788E-29	1.058E-29	0.000E+00	0.000E+00	0.000E+00	0.000E+00
111	1	-1.176E-24	-6.950E-29	0.000E+00	0.000E+00	0.000E+00	0.000E+00
112	1	-4.968E-12	-1.917E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
113	1	6.038E-23	9.076E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
114	1	4.968E-12	-2.799E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
115	1	2.102E-15	-1.131E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
116	1	-1.805E-25	-2.628E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
117	1	-5.190E-23	-5.963E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
118	1	-3.386E-10	-1.280E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
119	1	-1.459E-22	-2.538E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
120	1	2.663E-17	-3.117E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
121	1	-4.371E-16	1.536E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
122	1	2.484E-12	-3.216E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
123	1	3.980E-23	9.536E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
124	1	-2.484E-12	-4.619E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125	1	2.442E-12	4.540E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
126	1	2.678E-24	-9.373E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
127	1	-2.442E-12	3.161E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
128	1	-3.247E-25	-5.052E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
129	1	-4.011E-15	3.367E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
130	1	-1.183E-23	2.494E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
131	1	-2.354E-11	1.258E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00
132	1	-2.856E-23	5.861E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
133	1	1.768E-25	2.580E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
134	1	1.023E-15	3.652E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
135	1	-4.883E-12	-9.260E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
136	1	5.293E-23	-6.164E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
137	1	4.883E-12	9.165E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
138	1	1.153E-24	1.837E-28	0.000E+00	0.000E+00	0.000E+00	0.000E+00
139	1	-1.903E-14	2.796E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
140	1	-2.035E-22	-2.494E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
141	1	-4.238E-10	-1.258E+02	0.000E+00	0.000E+00	0.000E+00	0.000E+00

142	1	-8.894E-23	-5.861E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
143	1	1.774E-25	-2.583E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
144	1	6.455E-18	-5.569E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00
145	1	2.442E-12	-4.540E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
146	1	5.927E-23	9.373E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
147	1	-2.442E-12	-3.161E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
148	1	-3.244E-25	-1.933E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
149	1	-1.741E-17	-2.777E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00

FILE: Reavc002.bin							
Caso di carico: 2 - SLU VENTROY (1.30xC1 + 1.5xC2 + 1.5xC3 +/- 1.5xC4 + 1.5C5)							
Punto	Sest.	Fx (kN)	Fy (kN)	Fz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)
1	1	-1.066E-10	6.055E-11	2.898E+05	3.725E+02	-1.324E-05	0.000E+00
1	2	-1.065E-10	5.730E-11	2.898E+05	-3.725E+02	-1.276E-05	0.000E+00
2	1	1.441E-08	-3.426E+04	2.969E+05	1.603E+07	-2.352E+02	0.000E+00
2	2	-1.445E-08	3.426E+04	2.969E+05	-1.603E+07	-2.352E+02	0.000E+00
3	1	6.548E-10	4.157E-10	2.966E+05	8.212E+02	-8.310E-06	0.000E+00
3	2	6.599E-10	3.949E-10	2.966E+05	-8.212E+02	-8.580E-06	0.000E+00
4	1	-3.545E-09	-3.426E+04	2.980E+05	1.706E+07	-2.352E+02	0.000E+00
4	2	3.072E-09	3.426E+04	2.980E+05	-1.706E+07	-2.352E+02	0.000E+00
5	1	4.237E-10	-3.312E-10	2.992E+05	8.006E+02	-1.063E-06	0.000E+00
5	2	4.110E-10	-3.624E-10	2.992E+05	-8.006E+02	-1.585E-06	0.000E+00
6	1	-1.555E-07	-3.426E+04	2.963E+05	1.552E+07	-2.352E+02	0.000E+00
6	2	1.563E-07	3.426E+04	2.963E+05	-1.552E+07	-2.352E+02	0.000E+00
7	1	-1.787E-09	-9.940E-10	2.995E+05	8.150E+02	-1.467E+05	0.000E+00
7	2	-1.782E-09	-1.006E-09	2.995E+05	-8.150E+02	-1.467E+05	0.000E+00
8	1	-1.170E-07	-3.426E+04	3.019E+05	1.740E+07	-2.352E+02	0.000E+00
8	2	1.176E-07	3.426E+04	3.019E+05	-1.740E+07	-2.352E+02	0.000E+00
9	1	2.416E-09	4.454E-10	3.004E+05	9.196E+02	1.467E+05	0.000E+00
9	2	2.413E-09	4.458E-10	3.004E+05	-9.196E+02	1.467E+05	0.000E+00
10	1	-1.144E-08	-3.426E+04	2.989E+05	1.792E+07	-2.352E+02	0.000E+00
10	2	1.104E-08	3.426E+04	2.989E+05	-1.792E+07	-2.352E+02	0.000E+00
11	1	1.116E-10	8.565E-11	2.961E+05	9.670E+02	6.770E-06	0.000E+00
11	2	1.313E-10	1.025E-10	2.961E+05	-9.670E+02	6.651E-06	0.000E+00
12	1	-2.776E-07	-3.426E+04	2.994E+05	1.843E+07	-2.352E+02	0.000E+00
12	2	2.790E-07	3.426E+04	2.994E+05	-1.843E+07	-2.352E+02	0.000E+00
13	1	5.657E-11	6.685E-12	2.977E+05	8.848E+02	-5.618E-06	0.000E+00
13	2	5.789E-11	6.934E-12	2.977E+05	-8.848E+02	-6.666E-06	0.000E+00
14	1	2.683E-08	-3.426E+04	2.969E+05	1.603E+07	-2.352E+02	0.000E+00
14	2	-2.752E-08	3.426E+04	2.969E+05	-1.603E+07	-2.352E+02	0.000E+00
15	1	-2.568E-10	6.326E-11	2.929E+05	3.773E+02	6.644E-06	0.000E+00
15	2	-2.516E-10	5.329E-11	2.929E+05	-3.773E+02	5.666E-06	0.000E+00
100	1	-1.091E-34	-3.286E-35	0.000E+00	0.000E+00	0.000E+00	0.000E+00
100	2	1.091E-34	3.287E-35	0.000E+00	0.000E+00	0.000E+00	0.000E+00
101	1	-5.841E-22	-2.220E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
101	2	5.848E-22	2.224E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
102	1	-2.495E-09	-1.527E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
102	2	2.500E-09	1.533E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
103	1	5.799E-09	6.396E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
103	2	-5.799E-09	-6.586E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
104	1	-5.040E-09	1.001E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
104	2	5.035E-09	-9.920E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
105	1	-3.077E-34	2.157E-35	0.000E+00	0.000E+00	0.000E+00	0.000E+00
105	2	3.076E-34	-2.159E-35	0.000E+00	0.000E+00	0.000E+00	0.000E+00
106	1	-1.777E-21	4.395E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
106	2	1.777E-21	-4.343E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
107	1	-1.039E-08	-3.999E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
107	2	1.039E-08	4.118E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
108	1	-6.754E+04	-8.583E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
108	2	6.754E+04	8.839E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
109	1	-3.246E-08	-1.702E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
109	2	3.246E-08	1.753E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00

110	1	1.432E-30	-5.579E-31	0.000E+00	0.000E+00	0.000E+00	0.000E+00
110	2	-9.719E-29	2.172E-29	0.000E+00	0.000E+00	0.000E+00	0.000E+00
111	1	1.569E-25	5.271E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
111	2	-2.510E-24	-5.271E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
112	1	6.627E-13	2.192E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
112	2	-1.060E-11	-2.192E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
113	1	8.348E-23	3.221E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
113	2	3.728E-23	-3.221E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
114	1	-6.627E-13	-3.350E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
114	2	1.060E-11	3.350E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
115	1	-4.607E-17	-1.649E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
115	2	4.251E-15	-2.245E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
116	1	1.777E-21	4.402E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
116	2	-1.778E-21	-4.455E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
117	1	1.039E-08	-3.983E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
117	2	-1.039E-08	3.864E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
118	1	6.754E+04	-8.549E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
118	2	-6.754E+04	8.293E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
119	1	3.246E-08	-1.695E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
119	2	-3.246E-08	1.644E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
120	1	-6.078E-16	4.249E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
120	2	6.611E-16	-4.872E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
121	1	1.349E-15	-9.798E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
121	2	-2.223E-15	1.287E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
122	1	2.494E-09	-1.526E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
122	2	-2.489E-09	1.519E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
123	1	-5.799E-09	6.370E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
123	2	5.799E-09	-6.179E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
124	1	5.041E-09	1.002E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
124	2	-5.046E-09	-1.012E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125	1	5.040E-09	1.001E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125	2	-5.035E-09	-9.920E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
126	1	-5.799E-09	6.398E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
126	2	5.799E-09	-6.586E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
127	1	2.495E-09	-1.527E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
127	2	-2.500E-09	1.533E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
128	1	5.841E-22	-4.956E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
128	2	-5.848E-22	-5.149E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
129	1	-2.131E-15	-5.189E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
129	2	-5.892E-15	1.192E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
130	1	3.246E-08	-1.703E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
130	2	-3.246E-08	1.752E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
131	1	6.754E+04	-8.586E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
131	2	-6.754E+04	8.838E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
132	1	1.039E-08	-4.001E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
132	2	-1.039E-08	4.118E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
133	1	1.777E-21	4.394E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
133	2	-1.777E-21	-4.343E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
134	1	2.155E-14	-3.369E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
134	2	-1.950E-14	4.100E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
135	1	7.963E-13	-3.350E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
135	2	-1.056E-11	3.350E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
136	1	2.621E-23	3.221E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
136	2	7.965E-23	-3.221E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
137	1	-7.963E-13	2.192E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
137	2	1.056E-11	-2.192E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
138	1	-1.936E-25	5.271E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
138	2	2.499E-24	-5.271E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
139	1	-2.621E-14	4.078E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
139	2	-1.186E-14	1.514E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
140	1	-3.246E-08	-1.694E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
140	2	3.246E-08	1.645E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00

141	1	-6.754E+04	-8.545E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
141	2	6.754E+04	8.294E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
142	1	-1.039E-08	-3.982E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
142	2	1.039E-08	3.864E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
143	1	-1.778E-21	4.403E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
143	2	1.778E-21	-4.455E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
144	1	-1.977E-17	5.783E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00
144	2	3.268E-17	-1.692E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
145	1	-5.041E-09	1.003E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
145	2	5.046E-09	-1.012E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
146	1	5.799E-09	6.368E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
146	2	-5.799E-09	-6.180E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
147	1	-2.494E-09	-1.526E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
147	2	2.489E-09	1.519E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
148	1	-5.840E-22	-2.220E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
148	2	5.834E-22	2.216E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
149	1	-1.169E-17	-1.852E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00
149	2	-2.312E-17	-3.703E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00

FILE : Reavc003.bin							
Caso di carico: 3 - Rara (1xC1 + 1xC2 + 1xC3 + 1xC5)							
Punto	Sest.	Fx (kN)	Fy (kN)	Fz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)
1	1	-7.721E-11	4.436E-11	2.088E+05	6.585E-06	-9.346E-06	0.000E+00
2	1	-1.127E-11	4.209E-10	2.142E+05	-1.597E-05	-1.809E+02	0.000E+00
3	1	4.769E-10	2.935E-10	2.140E+05	1.685E-06	-6.083E-06	0.000E+00
4	1	-1.687E-10	-8.292E-11	2.150E+05	-9.214E-06	-1.809E+02	0.000E+00
5	1	2.984E-10	-2.494E-10	2.160E+05	8.371E-09	-9.532E-07	0.000E+00
6	1	2.972E-10	-5.590E-10	2.138E+05	1.560E-07	-1.809E+02	0.000E+00
7	1	-1.195E-09	-6.726E-10	2.161E+05	6.618E-06	-9.780E+04	0.000E+00
8	1	2.390E-10	-3.008E-10	2.177E+05	-6.691E-06	-1.809E+02	0.000E+00
9	1	1.607E-09	2.961E-10	2.168E+05	-1.160E-05	9.780E+04	0.000E+00
10	1	-1.457E-10	2.521E-10	2.157E+05	7.253E-06	-1.809E+02	0.000E+00
11	1	8.726E-11	6.878E-11	2.136E+05	-4.814E-06	4.841E-06	0.000E+00
12	1	5.065E-10	9.739E-11	2.162E+05	-4.806E-06	-1.809E+02	0.000E+00
13	1	4.051E-11	6.093E-12	2.149E+05	-2.393E-06	-4.436E-06	0.000E+00
14	1	-2.441E-10	-6.992E-10	2.142E+05	-1.959E-06	-1.809E+02	0.000E+00
15	1	-1.832E-10	4.116E-11	2.112E+05	-1.965E-05	4.434E-06	0.000E+00
100	1	1.552E-38	2.698E-39	0.000E+00	0.000E+00	0.000E+00	0.000E+00
101	1	2.059E-25	1.227E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
102	1	1.550E-12	2.006E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
103	1	2.621E-23	-5.948E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
104	1	-1.550E-12	2.881E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
105	1	-4.473E-38	-6.185E-39	0.000E+00	0.000E+00	0.000E+00	0.000E+00
106	1	-1.126E-25	1.639E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
107	1	-4.681E-23	3.719E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
108	1	-3.051E-10	7.982E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
109	1	-1.545E-22	1.583E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
110	1	-3.461E-29	7.649E-30	0.000E+00	0.000E+00	0.000E+00	0.000E+00
111	1	-7.338E-25	-5.023E-29	0.000E+00	0.000E+00	0.000E+00	0.000E+00
112	1	-3.099E-12	-1.317E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
113	1	4.395E-23	6.361E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
114	1	3.099E-12	-2.070E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
115	1	1.520E-15	-8.172E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
116	1	-1.126E-25	-1.639E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
117	1	-3.723E-23	-3.719E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
118	1	-2.428E-10	-7.982E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
119	1	-1.053E-22	-1.583E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
120	1	2.169E-17	-2.423E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
121	1	-3.160E-16	1.114E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
122	1	1.550E-12	-2.006E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
123	1	2.882E-23	5.948E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
124	1	-1.550E-12	-2.881E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00

125	1	1.520E-12	2.827E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
126	1	2.208E-24	-5.836E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
127	1	-1.520E-12	1.968E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
128	1	-2.022E-25	-3.613E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
129	1	-2.877E-15	2.437E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
130	1	-1.039E-23	1.553E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
131	1	-2.095E-11	7.832E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
132	1	-2.067E-23	3.649E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
133	1	1.100E-25	1.606E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
134	1	7.325E-16	2.829E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
135	1	-3.041E-12	-6.519E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
136	1	3.741E-23	-4.501E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
137	1	3.041E-12	6.458E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
138	1	7.174E-25	1.326E-28	0.000E+00	0.000E+00	0.000E+00	0.000E+00
139	1	-1.371E-14	2.018E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
140	1	-1.432E-22	-1.553E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
141	1	-2.983E-10	-7.832E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
142	1	-6.307E-23	-3.649E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
143	1	1.105E-25	-1.608E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
144	1	2.630E-18	-3.203E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00
145	1	1.520E-12	-2.827E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
146	1	4.242E-23	5.836E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
147	1	-1.520E-12	-1.968E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
148	1	-2.020E-25	-1.204E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
149	1	-1.222E-17	-1.944E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00

FILE : Reavc004.bin							
Caso di carico: 4 - Rara VentoY (1xC1 + 1xC2 + 1xC3 +/- 1xC4 + 1xC5)							
Punto	Sest.	Fx (kN)	Fy (kN)	Fz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)
1	1	-7.723E-11	4.545E-11	2.088E+05	2.484E+02	-9.506E-06	0.000E+00
1	2	-7.720E-11	4.328E-11	2.088E+05	-2.484E+02	-9.186E-06	0.000E+00
2	1	9.607E-09	-2.284E+04	2.142E+05	1.069E+07	-1.809E+02	0.000E+00
2	2	-9.630E-09	2.284E+04	2.142E+05	-1.069E+07	-1.809E+02	0.000E+00
3	1	4.752E-10	3.004E-10	2.140E+05	5.475E+02	-5.993E-06	0.000E+00
3	2	4.786E-10	2.865E-10	2.140E+05	-5.475E+02	-6.173E-06	0.000E+00
4	1	-2.374E-09	-2.284E+04	2.150E+05	1.137E+07	-1.809E+02	0.000E+00
4	2	2.037E-09	2.284E+04	2.150E+05	-1.137E+07	-1.809E+02	0.000E+00
5	1	3.027E-10	-2.390E-10	2.160E+05	5.337E+02	-7.792E-07	0.000E+00
5	2	2.942E-10	-2.598E-10	2.160E+05	-5.337E+02	-1.127E-06	0.000E+00
6	1	-1.036E-07	-2.284E+04	2.138E+05	1.035E+07	-1.809E+02	0.000E+00
6	2	1.042E-07	2.284E+04	2.138E+05	-1.035E+07	-1.809E+02	0.000E+00
7	1	-1.197E-09	-6.687E-10	2.161E+05	5.433E+02	-9.780E+04	0.000E+00
7	2	-1.193E-09	-6.766E-10	2.161E+05	-5.433E+02	-9.780E+04	0.000E+00
8	1	-7.795E-08	-2.284E+04	2.177E+05	1.160E+07	-1.809E+02	0.000E+00
8	2	7.843E-08	2.284E+04	2.177E+05	-1.160E+07	-1.809E+02	0.000E+00
9	1	1.608E-09	2.959E-10	2.168E+05	6.130E+02	9.780E+04	0.000E+00
9	2	1.606E-09	2.962E-10	2.168E+05	-6.130E+02	9.780E+04	0.000E+00
10	1	-7.638E-09	-2.284E+04	2.157E+05	1.195E+07	-1.809E+02	0.000E+00
10	2	7.346E-09	2.284E+04	2.157E+05	-1.195E+07	-1.809E+02	0.000E+00
11	1	8.067E-11	6.316E-11	2.136E+05	6.447E+02	4.881E-06	0.000E+00
11	2	9.385E-11	7.439E-11	2.136E+05	-6.447E+02	4.801E-06	0.000E+00
12	1	-1.850E-07	-2.284E+04	2.162E+05	1.229E+07	-1.809E+02	0.000E+00
12	2	1.861E-07	2.284E+04	2.162E+05	-1.229E+07	-1.809E+02	0.000E+00
13	1	4.007E-11	6.010E-12	2.149E+05	5.899E+02	-4.086E-06	0.000E+00
13	2	4.095E-11	6.176E-12	2.149E+05	-5.899E+02	-4.785E-06	0.000E+00
14	1	1.787E-08	-2.284E+04	2.142E+05	1.069E+07	-1.809E+02	0.000E+00
14	2	-1.836E-08	2.284E+04	2.142E+05	-1.069E+07	-1.809E+02	0.000E+00
15	1	-1.849E-10	4.448E-11	2.112E+05	2.516E+02	4.760E-06	0.000E+00
15	2	-1.815E-10	3.784E-11	2.112E+05	-2.516E+02	4.108E-06	0.000E+00
100	1	-7.273E-35	-2.191E-35	0.000E+00	0.000E+00	0.000E+00	0.000E+00
100	2	7.276E-35	2.191E-35	0.000E+00	0.000E+00	0.000E+00	0.000E+00
101	1	-3.894E-22	-1.480E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00

101	2	3.898E-22	1.483E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
102	1	-1.663E-09	-1.018E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
102	2	1.666E-09	1.022E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
103	1	3.866E-09	4.268E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
103	2	-3.866E-09	-4.387E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
104	1	-3.360E-09	6.673E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
104	2	3.357E-09	-6.615E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
105	1	-2.051E-34	1.438E-35	0.000E+00	0.000E+00	0.000E+00	0.000E+00
105	2	2.050E-34	-1.440E-35	0.000E+00	0.000E+00	0.000E+00	0.000E+00
106	1	-1.185E-21	2.929E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
106	2	1.185E-21	-2.896E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
107	1	-6.924E-09	-2.669E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
107	2	6.924E-09	2.743E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
108	1	-4.502E+04	-5.727E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
108	2	4.502E+04	5.887E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
109	1	-2.164E-08	-1.136E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
109	2	2.164E-08	1.167E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
110	1	-1.732E-30	2.228E-31	0.000E+00	0.000E+00	0.000E+00	0.000E+00
110	2	-6.748E-29	1.508E-29	0.000E+00	0.000E+00	0.000E+00	0.000E+00
111	1	1.551E-25	3.514E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
111	2	-1.623E-24	-3.514E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
112	1	6.550E-13	1.461E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
112	2	-6.853E-12	-1.461E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
113	1	5.935E-23	2.148E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
113	2	2.855E-23	-2.148E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
114	1	-6.550E-13	-2.233E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
114	2	6.853E-12	2.233E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
115	1	8.719E-17	-7.424E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
115	2	2.952E-15	-1.560E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
116	1	1.185E-21	2.936E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
116	2	-1.185E-21	-2.969E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
117	1	6.924E-09	-2.653E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
117	2	-6.924E-09	2.579E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
118	1	4.502E+04	-5.694E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
118	2	-4.502E+04	5.534E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
119	1	2.164E-08	-1.129E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
119	2	-2.164E-08	1.097E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
120	1	-4.013E-16	2.798E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
120	2	4.447E-16	-3.283E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
121	1	8.749E-16	-6.442E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
121	2	-1.507E-15	8.670E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
122	1	1.663E-09	-1.017E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
122	2	-1.660E-09	1.013E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
123	1	-3.866E-09	4.243E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
123	2	3.866E-09	-4.124E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
124	1	3.361E-09	6.685E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
124	2	-3.364E-09	-6.742E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125	1	3.360E-09	6.672E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125	2	-3.357E-09	-6.615E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
126	1	-3.866E-09	4.270E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
126	2	3.866E-09	-4.386E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
127	1	1.663E-09	-1.018E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
127	2	-1.666E-09	1.022E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
128	1	3.894E-22	-3.548E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
128	2	-3.898E-22	-3.677E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
129	1	-1.623E-15	-3.268E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
129	2	-4.131E-15	8.141E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
130	1	2.164E-08	-1.136E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
130	2	-2.164E-08	1.167E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
131	1	4.502E+04	-5.730E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
131	2	-4.502E+04	5.886E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
132	1	6.924E-09	-2.670E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00

132	2	-6.924E-09	2.743E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
133	1	1.185E-21	2.928E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
133	2	-1.185E-21	-2.896E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
134	1	1.442E-14	-2.207E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
134	2	-1.295E-14	2.773E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
135	1	7.458E-13	-2.233E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
135	2	-6.827E-12	2.233E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
136	1	1.959E-23	2.148E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
136	2	5.522E-23	-2.148E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
137	1	-7.458E-13	1.461E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
137	2	6.827E-12	-1.461E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
138	1	-1.801E-25	3.514E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
138	2	1.615E-24	-3.514E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
139	1	-1.849E-14	2.872E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
139	2	-8.929E-15	1.163E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
140	1	-2.164E-08	-1.129E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
140	2	2.164E-08	1.097E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
141	1	-4.502E+04	-5.691E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
141	2	4.502E+04	5.535E+03	0.000E+00	0.000E+00	0.000E+00	0.000E+00
142	1	-6.924E-09	-2.652E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
142	2	6.924E-09	2.579E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
143	1	-1.185E-21	2.936E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
143	2	1.185E-21	-2.969E-23	0.000E+00	0.000E+00	0.000E+00	0.000E+00
144	1	-1.485E-17	4.365E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00
144	2	2.011E-17	-1.077E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
145	1	-3.361E-09	6.686E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
145	2	3.364E-09	-6.742E-10	0.000E+00	0.000E+00	0.000E+00	0.000E+00
146	1	3.866E-09	4.241E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
146	2	-3.866E-09	-4.124E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
147	1	-1.663E-09	-1.017E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
147	2	1.660E-09	1.013E-09	0.000E+00	0.000E+00	0.000E+00	0.000E+00
148	1	-3.893E-22	-1.480E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
148	2	3.889E-22	1.477E-22	0.000E+00	0.000E+00	0.000E+00	0.000E+00
149	1	-8.412E-18	-1.327E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00
149	2	-1.603E-17	-2.561E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00

FILE : Reavc005.bin							
Caso di carico: 5 - Frequente (1xC1 + 1xC2 + 0.9xC3 + 0.3xC5)							
Punto	Sest.	Fx (kN)	Fy (kN)	Fz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)
1	1	-7.357E-11	4.369E-11	1.991E+05	6.272E-06	-8.900E-06	0.000E+00
2	1	-8.372E-12	3.985E-10	2.045E+05	-1.522E-05	-1.809E+02	0.000E+00
3	1	4.573E-10	2.809E-10	2.043E+05	1.601E-06	-5.799E-06	0.000E+00
4	1	-1.601E-10	-7.805E-11	2.053E+05	-8.777E-06	-1.809E+02	0.000E+00
5	1	2.833E-10	-2.374E-10	2.063E+05	5.305E-09	-9.084E-07	0.000E+00
6	1	2.819E-10	-5.317E-10	2.040E+05	1.490E-07	-1.809E+02	0.000E+00
7	1	-3.880E-10	-2.609E-10	2.055E+05	6.212E-06	-2.934E+04	0.000E+00
8	1	2.284E-10	-2.827E-10	2.063E+05	-6.333E-06	-1.809E+02	0.000E+00
9	1	4.725E-10	7.385E-11	2.062E+05	-1.087E-05	2.934E+04	0.000E+00
10	1	-1.418E-10	2.395E-10	2.060E+05	6.918E-06	-1.809E+02	0.000E+00
11	1	8.373E-11	6.626E-11	2.039E+05	-4.586E-06	4.621E-06	0.000E+00
12	1	4.829E-10	9.324E-11	2.064E+05	-4.599E-06	-1.809E+02	0.000E+00
13	1	3.803E-11	6.425E-12	2.051E+05	-2.266E-06	-4.238E-06	0.000E+00
14	1	-2.316E-10	-6.640E-10	2.045E+05	-1.880E-06	-1.809E+02	0.000E+00
15	1	-1.748E-10	3.805E-11	2.015E+05	-1.872E-05	4.228E-06	0.000E+00
100	1	1.305E-38	2.267E-39	0.000E+00	0.000E+00	0.000E+00	0.000E+00
101	1	1.730E-25	1.031E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
102	1	1.302E-12	1.686E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
103	1	2.519E-23	-4.998E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
104	1	-1.302E-12	2.421E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
105	1	-3.759E-38	-5.197E-39	0.000E+00	0.000E+00	0.000E+00	0.000E+00
106	1	-9.460E-26	1.377E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
107	1	-4.499E-23	3.125E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00

108	1	-2.932E-10	6.707E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
109	1	-1.479E-22	1.330E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
110	1	-3.308E-29	7.313E-30	0.000E+00	0.000E+00	0.000E+00	0.000E+00
111	1	-6.166E-25	-4.801E-29	0.000E+00	0.000E+00	0.000E+00	0.000E+00
112	1	-2.604E-12	-1.188E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
113	1	4.190E-23	5.967E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
114	1	2.604E-12	-2.056E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
115	1	1.453E-15	-7.811E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
116	1	-9.459E-26	-1.377E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
117	1	-3.507E-23	-3.125E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
118	1	-2.286E-10	-6.707E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
119	1	-1.003E-22	-1.330E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
120	1	2.255E-17	-2.444E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
121	1	-3.023E-16	1.070E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
122	1	1.302E-12	-1.686E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
123	1	2.757E-23	4.998E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
124	1	-1.302E-12	-2.421E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125	1	1.275E-12	2.370E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
126	1	2.227E-24	-4.893E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
127	1	-1.275E-12	1.650E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
128	1	-1.696E-25	-3.425E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
129	1	-2.734E-15	2.331E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
130	1	-1.081E-23	1.302E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
131	1	-2.194E-11	6.567E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
132	1	-1.970E-23	3.060E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
133	1	9.222E-26	1.346E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
134	1	6.950E-16	2.840E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
135	1	-2.549E-12	-6.107E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
136	1	3.513E-23	-4.330E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
137	1	2.549E-12	6.048E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
138	1	6.012E-25	1.266E-28	0.000E+00	0.000E+00	0.000E+00	0.000E+00
139	1	-1.307E-14	1.927E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
140	1	-1.341E-22	-1.302E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
141	1	-2.792E-10	-6.567E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
142	1	-5.940E-23	-3.060E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
143	1	9.262E-26	-1.348E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
144	1	1.029E-18	-2.462E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00
145	1	1.275E-12	-2.370E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
146	1	4.024E-23	4.893E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
147	1	-1.275E-12	-1.650E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
148	1	-1.694E-25	-1.009E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
149	1	-1.142E-17	-1.812E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00

FILE : Reavc006.bin							
Caso di carico: 6 - Quasi Permanente (1xC1 + 1xC2 + 0.75xC3)							
Punto	Sest.	Fx (kN)	Fy (kN)	Fz (kN)	Mx (kNm)	My (kNm)	Mz (kNm)
1	1	-6.904E-11	4.203E-11	1.864E+05	5.864E-06	-8.319E-06	0.000E+00
2	1	-4.511E-12	3.695E-10	1.918E+05	-1.425E-05	-1.809E+02	0.000E+00
3	1	4.314E-10	2.645E-10	1.916E+05	1.491E-06	-5.430E-06	0.000E+00
4	1	-1.486E-10	-7.200E-11	1.927E+05	-8.207E-06	-1.809E+02	0.000E+00
5	1	2.626E-10	-2.218E-10	1.936E+05	1.036E-09	-8.499E-07	0.000E+00
6	1	2.616E-10	-4.963E-10	1.914E+05	1.400E-07	-1.809E+02	0.000E+00
7	1	-4.232E-11	-8.032E-11	1.925E+05	5.766E-06	-6.852E-06	0.000E+00
8	1	2.148E-10	-2.618E-10	1.929E+05	-5.912E-06	-1.809E+02	0.000E+00
9	1	-1.434E-11	-1.991E-11	1.932E+05	-1.010E-05	-1.152E-05	0.000E+00
10	1	-1.373E-10	2.226E-10	1.934E+05	6.481E-06	-1.809E+02	0.000E+00
11	1	7.838E-11	6.293E-11	1.912E+05	-4.290E-06	4.333E-06	0.000E+00
12	1	4.524E-10	8.780E-11	1.938E+05	-4.330E-06	-1.809E+02	0.000E+00
13	1	3.460E-11	7.157E-12	1.925E+05	-2.101E-06	-3.979E-06	0.000E+00
14	1	-2.146E-10	-6.184E-10	1.918E+05	-1.778E-06	-1.809E+02	0.000E+00
15	1	-1.639E-10	3.400E-11	1.888E+05	-1.750E-05	3.959E-06	0.000E+00
100	1	9.809E-39	1.705E-39	0.000E+00	0.000E+00	0.000E+00	0.000E+00

101	1	1.301E-25	7.752E-26	0.000E+00	0.000E+00	0.000E+00	0.000E+00
102	1	9.790E-13	1.268E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
103	1	2.393E-23	-3.758E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
104	1	-9.790E-13	1.820E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
105	1	-2.826E-38	-3.908E-39	0.000E+00	0.000E+00	0.000E+00	0.000E+00
106	1	-7.113E-26	1.036E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
107	1	-4.277E-23	2.350E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
108	1	-2.786E-10	5.043E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
109	1	-1.398E-22	1.000E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
110	1	-3.110E-29	6.875E-30	0.000E+00	0.000E+00	0.000E+00	0.000E+00
111	1	-4.636E-25	-4.512E-29	0.000E+00	0.000E+00	0.000E+00	0.000E+00
112	1	-1.958E-12	-1.032E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
113	1	3.957E-23	5.363E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
114	1	1.958E-12	-1.997E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
115	1	1.365E-15	-7.340E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
116	1	-7.112E-26	-1.036E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
117	1	-3.254E-23	-2.350E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
118	1	-2.120E-10	-5.043E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
119	1	-9.427E-23	-1.000E-11	0.000E+00	0.000E+00	0.000E+00	0.000E+00
120	1	2.364E-17	-2.468E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
121	1	-2.843E-16	1.010E-16	0.000E+00	0.000E+00	0.000E+00	0.000E+00
122	1	9.790E-13	-1.268E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
123	1	2.600E-23	3.758E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
124	1	-9.790E-13	-1.820E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
125	1	9.547E-13	1.775E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
126	1	2.268E-24	-3.665E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
127	1	-9.547E-13	1.236E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
128	1	-1.270E-25	-3.180E-06	0.000E+00	0.000E+00	0.000E+00	0.000E+00
129	1	-2.547E-15	2.193E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
130	1	-1.146E-23	9.752E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
131	1	-2.342E-11	4.918E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
132	1	-1.836E-23	2.292E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
133	1	6.900E-26	1.008E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
134	1	6.462E-16	2.856E-17	0.000E+00	0.000E+00	0.000E+00	0.000E+00
135	1	-1.909E-12	-5.587E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
136	1	3.225E-23	-4.105E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
137	1	1.909E-12	5.530E-24	0.000E+00	0.000E+00	0.000E+00	0.000E+00
138	1	4.498E-25	1.188E-28	0.000E+00	0.000E+00	0.000E+00	0.000E+00
139	1	-1.224E-14	1.808E-15	0.000E+00	0.000E+00	0.000E+00	0.000E+00
140	1	-1.225E-22	-9.752E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
141	1	-2.551E-10	-4.918E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00
142	1	-5.462E-23	-2.292E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
143	1	6.936E-26	-1.010E-25	0.000E+00	0.000E+00	0.000E+00	0.000E+00
144	1	-1.058E-18	-1.496E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00
145	1	9.547E-13	-1.775E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
146	1	3.741E-23	3.665E-14	0.000E+00	0.000E+00	0.000E+00	0.000E+00
147	1	-9.547E-13	-1.236E-12	0.000E+00	0.000E+00	0.000E+00	0.000E+00
148	1	-1.269E-25	-7.560E-26	0.000E+00	0.000E+00	0.000E+00	0.000E+00
149	1	-1.037E-17	-1.641E-18	0.000E+00	0.000E+00	0.000E+00	0.000E+00