

Run: 1

Table:curve

SWAN version:41.20A

Xp [m]	Yp [m]	Hsig [m]	TPsmoo [sec]	RTpeak [sec]	Tm_10 [sec]	Dir [degr]	Dspr [degr]	Depth [m]	Setup [m]
0.	0.	5.68863	13.8188	13.8874	12.6710	0.000	31.5057	9.5700	0.000000
1.	0.	5.69898	13.8216	13.8874	12.4751	0.000	31.4436	9.5508	0.000832
2.	0.	5.70778	13.8243	13.8874	12.2978	0.000	31.3732	9.5216	0.001574
3.	0.	5.71295	13.8267	13.8874	12.1408	0.000	31.3051	9.5025	0.002465
4.	0.	5.71551	13.8290	13.8874	12.0025	0.000	31.2341	9.4834	0.003387
5.	0.	5.71542	13.8310	13.8874	11.8804	0.000	31.1506	9.4643	0.004341
6.	0.	5.71413	13.8328	13.8874	11.7721	0.000	31.0691	9.4352	0.005218
7.	0.	5.71073	13.8344	13.8874	11.6736	0.000	30.9958	9.4162	0.006240
8.	0.	5.70569	13.8360	13.8874	11.5845	0.000	30.9150	9.3973	0.007286
9.	0.	5.70015	13.8373	13.8874	11.5042	0.000	30.8322	9.3682	0.008239
10.	0.	5.69279	13.8386	13.8874	11.4307	0.000	30.7575	9.3493	0.009328
11.	0.	5.68448	13.8397	13.8874	11.3637	0.000	30.6842	9.3304	0.010430
12.	0.	5.67503	13.8408	13.8874	11.3024	0.000	30.6038	9.3115	0.011547
13.	0.	5.66554	13.8418	13.8874	11.2466	0.000	30.5202	9.2826	0.012559
14.	0.	5.65496	13.8427	13.8874	11.1946	0.000	30.4503	9.2637	0.013696
15.	0.	5.64362	13.8435	13.8874	11.1462	0.000	30.3993	9.2549	0.014945
16.	0.	5.63152	13.8442	13.8874	11.1009	0.000	30.3636	9.2563	0.016300
17.	0.	5.61924	13.8449	13.8874	11.0592	0.000	30.3330	9.2576	0.017639
18.	0.	5.60713	13.8455	13.8874	11.0206	0.000	30.3170	9.2590	0.018960
19.	0.	5.59415	13.8461	13.8874	10.9843	0.000	30.3057	9.2704	0.020375
20.	0.	5.58120	13.8466	13.8874	10.9511	0.000	30.2732	9.2717	0.021661
21.	0.	5.56839	13.8471	13.8874	10.9207	0.000	30.2245	9.2628	0.022823
22.	0.	5.55529	13.8476	13.8874	10.8923	0.000	30.1719	9.2540	0.023977
23.	0.	5.54201	13.8480	13.8874	10.8657	0.000	30.1181	9.2451	0.025122
24.	0.	5.52836	13.8484	13.8874	10.8406	0.000	30.0564	9.2363	0.026259
25.	0.	5.51529	13.8487	13.8874	10.8176	0.000	29.9958	9.2173	0.027283
26.	0.	5.50295	13.8491	13.8874	10.7901	0.000	29.9462	9.2084	0.028415
27.	0.	5.49101	13.8494	13.8874	10.7622	0.000	29.9000	9.1995	0.029540
28.	0.	5.47910	13.8496	13.8874	10.7350	0.000	29.8548	9.1907	0.030659
29.	0.	5.46709	13.8499	13.8874	10.7088	0.000	29.8100	9.1818	0.031772
30.	0.	5.45498	13.8501	13.8874	10.6838	0.000	29.7655	9.1729	0.032879
31.	0.	5.44277	13.8503	13.8874	10.6598	0.000	29.7212	9.1640	0.033980
32.	0.	5.43024	13.8504	13.8874	10.6368	0.000	29.6703	9.1551	0.035075
33.	0.	5.41826	13.8506	13.8874	10.6155	0.000	29.6171	9.1361	0.036058
34.	0.	5.40564	13.8507	13.8874	10.5943	0.000	29.5703	9.1271	0.037146
35.	0.	5.39302	13.8508	13.8874	10.5739	0.000	29.5257	9.1182	0.

60.	0.	5.07666	13.8496	13.8874	10.2492	359.955	28.4959	8.8625	0.062454
61.	0.	5.06472	13.8494	13.8874	10.2400	359.955	28.4606	8.8533	0.063327
62.	0.	5.05284	13.8493	13.8874	10.2309	359.954	28.4257	8.8442	0.064192
63.	0.	5.04087	13.8492	13.8874	10.2220	359.954	28.3849	8.8350	0.065049
64.	0.	5.02954	13.8490	13.8874	10.2141	359.954	28.3421	8.8158	0.065802
65.	0.	5.01772	13.8489	13.8874	10.2055	359.954	28.3053	8.8067	0.066650
66.	0.	5.00587	13.8488	13.8874	10.1972	359.953	28.2645	8.7975	0.067491
67.	0.	4.99436	13.8486	13.8874	10.1897	359.953	28.2101	8.7782	0.068228
68.	0.	4.98321	13.8485	13.8874	10.1831	359.953	28.1449	8.7489	0.068866
69.	0.	4.97192	13.8484	13.8874	10.1765	359.953	28.0764	8.7195	0.069511
70.	0.	4.96054	13.8482	13.8874	10.1700	359.953	28.0068	8.6902	0.070160
71.	0.	4.94909	13.8481	13.8874	10.1636	359.953	27.9369	8.6608	0.070815
72.	0.	4.93771	13.8480	13.8874	10.1573	359.953	27.8731	8.6315	0.071477
73.	0.	4.92569	13.8478	13.8874	10.1502	359.954	27.8117	8.6122	0.072242
74.	0.	4.91417	13.8477	13.8874	10.1441	359.954	27.7449	8.5829	0.072908
75.	0.	4.90306	13.8475	13.8874	10.1361	359.949	27.6772	8.5536	0.073579
76.	0.	4.89234	13.8474	13.8874	10.1260	359.949	27.6109	8.5243	0.074262
77.	0.	4.88074	13.8473	13.8874	10.1179	359.956	27.5479	8.4950	0.074986
78.	0.	4.86980	13.8471	13.8874	10.1082	359.960	27.4912	8.4657	0.075703
79.	0.	4.85836	13.8470	13.8874	10.0971	359.961	27.4366	8.4465	0.076521
80.	0.	4.84767	13.8469	13.8874	10.0861	359.964	27.3762	8.4172	0.077233
81.	0.	4.83692	13.8468	13.8874	10.0750	359.966	27.3145	8.3880	0.077950
82.	0.	4.82605	13.8467	13.8874	10.0640	359.968	27.2529	8.3587	0.078677
83.	0.	4.81504	13.8466	13.8874	10.0530	359.970	27.1911	8.3294	0.079413
84.	0.	4.80369	13.8465	13.8874	10.0427	359.972	27.1304	8.3002	0.080165
85.	0.	4.79179	13.8464	13.8874	10.0342	359.977	27.0776	8.2709	0.080947
86.	0.	4.77861	13.8463	13.8874	10.0265	359.980	27.0289	8.2519	0.081855
87.	0.	4.76577	13.8462	13.8874	10.0203	359.984	26.9747	8.2227	0.082668
88.	0.	4.75267	13.8461	13.8874	10.0146	359.986	26.9178	8.1935	0.083489
89.	0.	4.73964	13.8461	13.8874	10.0089	359.989	26.8654	8.1643	0.084315
90.	0.	4.72608	13.8460	13.8874	10.0025	359.992	26.8201	8.1452	0.085246
91.	0.	4.71258	13.8459	13.8874	9.9962	359.994	26.7769	8.1262	0.086174
92.	0.	4.69937	13.8458	13.8874	9.9898	359.997	26.7389	8.1071	0.087090
93.	0.	4.68609	13.8457	13.8874	9.9817	0.004	26.7000	8.0981	0.088071
94.	0.	4.67379	13.8456	13.8874	9.9738	0.013	26.6540	8.0789	0.088922
95.	0.	4.66271	13.8455	13.8874	9.9626	0.022	26.6049	8.0597	0.089729
96.	0.	4.65161	13.8454	13.8874	9.9518	0.027	26.5617	8.0405	0.090541
97.	0.	4.63988	13.8453	13.8874	9.9403	0.031	26.5207	8.0315	0.091452
98.	0.	4.62883	13.8452	13.8874	9.9297	0.035	26.4749	8.0123	0.092252
99.	0.	4.61793	13.8451	13.8874	9.9191	0.041	26.4328	7.9930	0.093045
100.	0.	4.60671	13.8450	13.8874	9.9072	0.049	26.3931	7.9839	0.093921
101.	0.	4.59623	13.8449	13.8874	9.8962	0.059	26.3476	7.9647	0.094677
102.	0.	4.58577	13.8447	13.8874	9.8855	0.069	26.3060	7.9454	0.095435
103.	0.	4.57470	13.8446	13.8874	9.8733	0.083	26.2679	7.9363	0.096309
104.	0.	4.56432	13.8445	13.8874	9.8619	0.099	26.2250	7.9171	0.097073
105.	0.	4.55385	13.8444	13.8874	9.8507	0.118	26.1809	7.8978	0.097839
106.	0.	4.54354	13.8443	13.8874	9.8395	0.138	26.1412	7.8786	0.098598
107.	0.	4.53250	13.8442	13.8874	9.8277	0.157	26.1043	7.8695	0.099466
108.	0.	4.52215	13.8441	13.8874	9.8168	0.177	26.0623	7.8502	0.100219
109.	0.	4.51185	13.8440	13.8874	9.8061	0.198	26.0242	7.8310	0.100973
110.	0.	4.50100	13.8439	13.8874	9.7948	0.218	25.9985	7.8218	0.101836
111.	0.	4.48966	13.8438	13.8874	9.7829	0.237	25.9836	7.8228	0.102800
112.	0.	4.47839	13.8437	13.8874	9.7713	0.257	25.9667	7.8237	0.103747
113.	0.	4.46796	13.8436	13.8874	9.7608	0.277	25.9486	7.8146	0.104574
114.	0.	4.45688	13.8435	13.8874	9.7495	0.297	25.9318	7.8155	0.105496
115.	0.	4.44666	13.8434	13.8874	9.7393	0.318	25.9146	7.8063	0.106299
116.	0.	4.43590	13.8433	13.8874	9.7284	0.338	25.9040	7.8072	0.107198
117.	0.	4.42521	13.8432	13.8874	9.7177	0.358	25.8902	7.8081	0.108082
118.	0.	4.41533	13.8432	13.8874	9.7081	0.378	25.8749	7.7988	0.108848
119.	0.	4.40481	13.8431	13.8874	9.6976	0.397	25.8604	7.7997	0.109709
120.	0.	4.39511	13.8430	13.8874	9.6883	0.417	25.8452	7.7905	0.110454
121.	0.	4.38487	13.8429	13.8874	9.6783	0.436	25.8365	7.7913	0.111294
122.	0.	4.37467	13.8429	13.8874	9.6685	0.455	25.8240	7.7921	0.112120
123.	0.	4.36522	13.8428	13.8874	9.6599	0.472	25.8091	7.7828	0.112833
124.	0.	4.35553	13.8428	13.8874	9.6497	0.490	25.7983	7.7836	0.113629
125.	0.	4.34616	13.8427	13.8874	9.6389	0.509	25.7826	7.7844	0.114400
126.	0.	4.33757	13.8426	13.8874	9.6291	0.528	25.7647	7.7751	0.115061

127.	0.	4.32857	13.8426	13.8874	9.6179	0.550	25.7475	7.7758	0.115807
128.	0.	4.32045	13.8425	13.8874	9.6073	0.573	25.7297	7.7664	0.116444
129.	0.	4.31179	13.8425	13.8874	9.5960	0.597	25.7180	7.7672	0.117175
130.	0.	4.30312	13.8424	13.8874	9.5848	0.620	25.7031	7.7679	0.117896
131.	0.	4.29519	13.8424	13.8874	9.5749	0.643	25.6864	7.7585	0.118509
132.	0.	4.28664	13.8423	13.8874	9.5640	0.666	25.6708	7.7592	0.119214
133.	0.	4.27892	13.8423	13.8874	9.5541	0.692	25.6556	7.7498	0.119811
134.	0.	4.27067	13.8423	13.8874	9.5434	0.717	25.6462	7.7505	0.120500
135.	0.	4.26247	13.8422	13.8874	9.5327	0.743	25.6337	7.7512	0.121178
136.	0.	4.25502	13.8422	13.8874	9.5231	0.768	25.6193	7.7417	0.121749
137.	0.	4.24695	13.8422	13.8874	9.5126	0.794	25.6058	7.7424	0.122410
138.	0.	4.23962	13.8421	13.8874	9.5032	0.819	25.5911	7.7330	0.122967
139.	0.	4.23177	13.8421	13.8874	9.4930	0.843	25.5825	7.7336	0.123616
140.	0.	4.22398	13.8421	13.8874	9.4828	0.867	25.5707	7.7343	0.124253
141.	0.	4.21694	13.8421	13.8874	9.4736	0.892	25.5571	7.7248	0.124785
142.	0.	4.20930	13.8420	13.8874	9.4634	0.916	25.5443	7.7254	0.125407
143.	0.	4.20239	13.8420	13.8874	9.4544	0.940	25.5308	7.7159	0.125926
144.	0.	4.19496	13.8420	13.8874	9.4445	0.964	25.5237	7.7165	0.126536
145.	0.	4.18759	13.8420	13.8874	9.4346	0.988	25.5134	7.7171	0.127136
146.	0.	4.18094	13.8420	13.8874	9.4257	1.012	25.5013	7.7076	0.127633
147.	0.	4.17380	13.8419	13.8874	9.4159	1.036	25.4952	7.7082	0.128220
148.	0.	4.16670	13.8419	13.8874	9.4060	1.059	25.4858	7.7088	0.128797
149.	0.	4.16017	13.8419	13.8874	9.3971	1.083	25.4649	7.6993	0.129270
150.	0.	4.15425	13.8419	13.8874	9.3889	1.106	25.4343	7.6796	0.129644
151.	0.	4.14829	13.8419	13.8874	9.3805	1.129	25.4009	7.6600	0.130018
152.	0.	4.14238	13.8419	13.8874	9.3720	1.151	25.3713	7.6404	0.130396
153.	0.	4.13598	13.8419	13.8874	9.3627	1.174	25.3538	7.6309	0.130872
154.	0.	4.12905	13.8419	13.8874	9.3523	1.197	25.3412	7.6314	0.131438
155.	0.	4.12279	13.8419	13.8874	9.3430	1.220	25.3243	7.6219	0.131904
156.	0.	4.11663	13.8419	13.8874	9.3337	1.243	25.3113	7.6124	0.132367
157.	0.	4.10991	13.8419	13.8874	9.3234	1.266	25.3010	7.6129	0.132919
158.	0.	4.10384	13.8419	13.8874	9.3140	1.289	25.2857	7.6034	0.133371
159.	0.	4.09789	13.8419	13.8874	9.3047	1.313	25.2741	7.5938	0.133820
160.	0.	4.09137	13.8419	13.8874	9.2943	1.336	25.2650	7.5944	0.134357
161.	0.	4.08552	13.8419	13.8874	9.2848	1.360	25.2510	7.5848	0.134795
162.	0.	4.07977	13.8419	13.8874	9.2754	1.383	25.2408	7.5752	0.135231
163.	0.	4.07347	13.8419	13.8874	9.2649	1.407	25.2331	7.5758	0.135754
164.	0.	4.06788	13.8419	13.8874	9.2554	1.431	25.2251	7.5662	0.136180
165.	0.	4.06171	13.8419	13.8874	9.2450	1.456	25.2184	7.5667	0.136694
166.	0.	4.05639	13.8419	13.8874	9.2349	1.483	25.2069	7.5571	0.137103
167.	0.	4.05124	13.8419	13.8874	9.2245	1.511	25.1992	7.5475	0.137510
168.	0.	4.04558	13.8419	13.8874	9.2129	1.541	25.1941	7.5480	0.138002
169.	0.	4.04058	13.8419	13.8874	9.2024	1.572	25.1891	7.5384	0.138402
170.	0.	4.03491	13.8419	13.8874	9.1911	1.605	25.1857	7.5389	0.138893
171.	0.	4.02981	13.8420	13.8874	9.1811	1.640	25.1823	7.5293	0.139295
172.	0.	4.02416	13.8420	13.8874	9.1700	1.675	25.1806	7.5298	0.139783
173.	0.	4.01915	13.8420	13.8874	9.1598	1.710	25.1736	7.5202	0.140175
174.	0.	4.01428	13.8420	13.8874	9.1495	1.746	25.1702	7.5106	0.140564
175.	0.	4.00890	13.8420	13.8874	9.1379	1.782	25.1693	7.5110	0.141038
176.	0.	4.00415	13.8420	13.8874	9.1275	1.819	25.1685	7.5014	0.141421
177.	0.	3.99890	13.8420	13.8874	9.1159	1.856	25.1693	7.5019	0.141887
178.	0.	3.99426	13.8420	13.8874	9.1056	1.894	25.1700	7.4923	0.142263
179.	0.	3.98910	13.8420	13.8874	9.0940	1.932	25.1723	7.4927	0.142723
180.	0.	3.98447	13.8421	13.8874	9.0837	1.970	25.1696	7.4831	0.143091
181.	0.	3.97985	13.8421	13.8874	9.0735	2.010	25.1711	7.4735	0.143462
182.	0.	3.97474	13.8421	13.8874	9.0621	2.051	25.1753	7.4739	0.143918
183.	0.	3.97018	13.8421	13.8874	9.0521	2.091	25.1797	7.4643	0.144286
184.	0.	3.96508	13.8421	13.8874	9.0410	2.133	25.1862	7.4647	0.144738
185.	0.	3.96053	13.8421	13.8874	9.0313	2.174	25.1928	7.4551	0.145102
186.	0.	3.95547	13.8421	13.8874	9.0204	2.218	25.2007	7.4555	0.145549
187.	0.	3.95081	13.8422	13.8874	9.0110	2.261	25.2037	7.4459	0.145911
188.	0.	3.94623	13.8422	13.8874	9.0016	2.306	25.2103	7.4363	0.146271
189.	0.	3.94117	13.8422	13.8874	8.9909	2.351	25.2194	7.4367	0.146714
190.	0.	3.93667	13.8422	13.8874	8.9816	2.396	25.2284	7.4271	0.147071
191.	0.	3.93168	13.8422	13.8874	8.9711	2.442	25.2389	7.4275	0.147509
192.	0.	3.92708	13.8423	13.8874	8.9621	2.487	25.2441	7.4179	0.147862
193.	0.	3.92251	13.8423	13.8874	8.9531	2.533	25.2525	7.4082	0.148216

194.	0.	3.91728	13.8423	13.8874	8.9434	2.575	25.2614	7.4087	0.148658
195.	0.	3.91259	13.8423	13.8874	8.9350	2.617	25.2701	7.3990	0.149015
196.	0.	3.90743	13.8423	13.8874	8.9253	2.660	25.2803	7.3995	0.149451
197.	0.	3.90282	13.8424	13.8874	8.9170	2.703	25.2898	7.3898	0.149802
198.	0.	3.89775	13.8424	13.8874	8.9073	2.746	25.3008	7.3902	0.150232
199.	0.	3.89314	13.8424	13.8874	8.8990	2.789	25.3063	7.3806	0.150576
200.	0.	3.88860	13.8424	13.8874	8.8907	2.833	25.3151	7.3709	0.150919
201.	0.	3.88361	13.8424	13.8874	8.8811	2.877	25.3263	7.3713	0.151342
202.	0.	3.87912	13.8425	13.8874	8.8728	2.921	25.3370	7.3617	0.151683
203.	0.	3.87417	13.8425	13.8874	8.8634	2.965	25.3489	7.3621	0.152102
204.	0.	3.86971	13.8425	13.8874	8.8553	3.009	25.3595	7.3524	0.152438
205.	0.	3.86476	13.8425	13.8874	8.8461	3.052	25.3709	7.3529	0.152853
206.	0.	3.86014	13.8426	13.8874	8.8384	3.092	25.3759	7.3432	0.153186
207.	0.	3.85542	13.8426	13.8874	8.8312	3.130	25.3834	7.3335	0.153525
208.	0.	3.85000	13.8426	13.8874	8.8232	3.163	25.3892	7.3340	0.153950
209.	0.	3.84504	13.8426	13.8874	8.8168	3.194	25.3939	7.3243	0.154294
210.	0.	3.83967	13.8426	13.8874	8.8090	3.227	25.4002	7.3247	0.154713
211.	0.	3.83469	13.8427	13.8874	8.8026	3.257	25.4003	7.3151	0.155050
212.	0.	3.82979	13.8427	13.8874	8.7962	3.288	25.4036	7.3054	0.155386
213.	0.	3.82448	13.8427	13.8874	8.7885	3.320	25.4094	7.3058	0.155799
214.	0.	3.81963	13.8427	13.8874	8.7822	3.351	25.4143	7.2961	0.156131
215.	0.	3.81438	13.8428	13.8874	8.7746	3.383	25.4205	7.2965	0.156540
216.	0.	3.80958	13.8428	13.8874	8.7685	3.413	25.4254	7.2869	0.156867
217.	0.	3.80457	13.8428	13.8874	8.7610	3.447	25.4431	7.2873	0.157271
218.	0.	3.79939	13.8428	13.8874	8.7522	3.484	25.4722	7.2977	0.157746
219.	0.	3.79438	13.8428	13.8874	8.7435	3.522	25.5048	7.3082	0.158211
220.	0.	3.78938	13.8428	13.8874	8.7349	3.558	25.5318	7.3187	0.158666
221.	0.	3.78476	13.8429	13.8874	8.7280	3.591	25.5548	7.3190	0.159041
222.	0.	3.77994	13.8429	13.8874	8.7198	3.626	25.5845	7.3295	0.159483
223.	0.	3.77514	13.8429	13.8874	8.7116	3.659	25.6095	7.3399	0.159915
224.	0.	3.77077	13.8429	13.8874	8.7050	3.691	25.6319	7.3403	0.160268
225.	0.	3.76623	13.8429	13.8874	8.6969	3.725	25.6617	7.3507	0.160687
226.	0.	3.76182	13.8429	13.8874	8.6890	3.759	25.6935	7.3611	0.161096
227.	0.	3.75740	13.8429	13.8874	8.6811	3.792	25.7192	7.3715	0.161498
228.	0.	3.75339	13.8429	13.8874	8.6747	3.823	25.7418	7.3718	0.161821
229.	0.	3.74920	13.8429	13.8874	8.6669	3.857	25.7717	7.3822	0.162210
230.	0.	3.74515	13.8429	13.8874	8.6593	3.890	25.8034	7.3926	0.162591
231.	0.	3.74105	13.8429	13.8874	8.6517	3.922	25.8288	7.4030	0.162964
232.	0.	3.73728	13.8429	13.8874	8.6458	3.951	25.8509	7.4033	0.163265
233.	0.	3.73334	13.8429	13.8874	8.6385	3.982	25.8804	7.4136	0.163629
234.	0.	3.72952	13.8429	13.8874	8.6312	4.014	25.9115	7.4240	0.163986
235.	0.	3.72567	13.8429	13.8874	8.6240	4.044	25.9363	7.4343	0.164335
236.	0.	3.72220	13.8430	13.8874	8.6184	4.072	25.9580	7.4346	0.164612
237.	0.	3.71856	13.8430	13.8874	8.6113	4.102	25.9871	7.4450	0.164951
238.	0.	3.71490	13.8430	13.8874	8.6043	4.132	26.0109	7.4553	0.165284
239.	0.	3.71139	13.8430	13.8874	8.5988	4.156	26.0196	7.4555	0.165545
240.	0.	3.70795	13.8430	13.8874	8.5949	4.176	26.0121	7.4457	0.165738
241.	0.	3.70471	13.8430	13.8874	8.5922	4.192	25.9921	7.4259	0.165862
242.	0.	3.70139	13.8430	13.8874	8.5894	4.207	25.9682	7.4060	0.165988
243.	0.	3.69798	13.8431	13.8874	8.5866	4.222	25.9424	7.3861	0.166118
244.	0.	3.69450	13.8431	13.8874	8.5838	4.237	25.9158	7.3663	0.166251
245.	0.	3.69091	13.8431	13.8874	8.5811	4.252	25.8883	7.3464	0.166390
246.	0.	3.68725	13.8431	13.8874	8.5784	4.267	25.8603	7.3265	0.166533
247.	0.	3.68351	13.8432	13.8874	8.5758	4.280	25.8315	7.3067	0.166679
248.	0.	3.67975	13.8432	13.8874	8.5731	4.293	25.8009	7.2868	0.166825
249.	0.	3.67591	13.8432	13.8874	8.5705	4.306	25.7701	7.2670	0.166975
250.	0.	3.67200	13.8433	13.8874	8.5679	4.319	25.7389	7.2471	0.167130
251.	0.	3.66800	13.8433	13.8874	8.5653	4.332	25.7076	7.2273	0.167291
252.	0.	3.66394	13.8433	13.8874	8.5628	4.345	25.6762	7.2075	0.167455
253.	0.	3.65982	13.8434	13.8874	8.5602	4.358	25.6445	7.1876	0.167624
254.	0.	3.65564	13.8434	13.8874	8.5576	4.371	25.6125	7.1678	0.167796
255.	0.	3.65124	13.8434	13.8874	8.5549	4.382	25.5701	7.1480	0.167971
256.	0.	3.64742	13.8435	13.8874	8.5553	4.387	25.5143	7.1080	0.167998
257.	0.	3.64308	13.8435	13.8874	8.5541	4.394	25.4581	7.0781	0.168107
258.	0.	3.63906	13.8436	13.8874	8.5543	4.400	25.3986	7.0381	0.168143
259.	0.	3.63446	13.8436	13.8874	8.5529	4.407	25.3406	7.0083	0.168267
260.	0.	3.63013	13.8437	13.8874	8.5531	4.412	25.2797	6.9683	0.168322

261.	0.	3.62521	13.8437	13.8874	8.5517	4.419	25.2206	6.9385	0.168467
262.	0.	3.62057	13.8438	13.8874	8.5519	4.424	25.1586	6.8985	0.168542
263.	0.	3.61533	13.8439	13.8874	8.5505	4.430	25.0985	6.8687	0.168708
264.	0.	3.61040	13.8439	13.8874	8.5506	4.435	25.0359	6.8288	0.168802
265.	0.	3.60490	13.8440	13.8874	8.5490	4.441	24.9749	6.7990	0.168987
266.	0.	3.59967	13.8440	13.8874	8.5491	4.447	24.9111	6.7591	0.169101
267.	0.	3.59379	13.8441	13.8874	8.5476	4.453	24.8494	6.7293	0.169313
268.	0.	3.58822	13.8442	13.8874	8.5476	4.457	24.7853	6.6895	0.169451
269.	0.	3.58201	13.8442	13.8874	8.5461	4.463	24.7234	6.6597	0.169687
270.	0.	3.57611	13.8443	13.8874	8.5461	4.467	24.6586	6.6198	0.169848
271.	0.	3.56959	13.8444	13.8874	8.5444	4.472	24.5960	6.5901	0.170110
272.	0.	3.56337	13.8444	13.8874	8.5443	4.475	24.5306	6.5503	0.170295
273.	0.	3.55651	13.8445	13.8874	8.5425	4.479	24.4673	6.5206	0.170582
274.	0.	3.54997	13.8446	13.8874	8.5423	4.483	24.4011	6.4808	0.170791
275.	0.	3.54277	13.8447	13.8874	8.5403	4.486	24.3370	6.4511	0.171105
276.	0.	3.53591	13.8447	13.8874	8.5400	4.489	24.2697	6.4113	0.171340
277.	0.	3.52837	13.8448	13.8874	8.5380	4.492	24.2046	6.3817	0.171681
278.	0.	3.52119	13.8449	13.8874	8.5377	4.495	24.1365	6.3419	0.171939
279.	0.	3.51330	13.8450	13.8874	8.5356	4.498	24.0707	6.3123	0.172307
280.	0.	3.50576	13.8451	13.8874	8.5353	4.500	24.0018	6.2726	0.172591
281.	0.	3.49748	13.8452	13.8874	8.5333	4.502	23.9354	6.2430	0.172990
282.	0.	3.48954	13.8453	13.8874	8.5331	4.503	23.8661	6.2033	0.173305
283.	0.	3.48093	13.8453	13.8874	8.5311	4.505	23.8044	6.1737	0.173737
284.	0.	3.47212	13.8454	13.8874	8.5291	4.506	23.7391	6.1442	0.174179
285.	0.	3.46368	13.8455	13.8874	8.5288	4.506	23.6695	6.1045	0.174535
286.	0.	3.45450	13.8456	13.8874	8.5268	4.506	23.6021	6.0750	0.175007
287.	0.	3.44569	13.8457	13.8874	8.5265	4.505	23.5312	6.0354	0.175392
288.	0.	3.43621	13.8458	13.8874	8.5244	4.505	23.4681	6.0059	0.175897
289.	0.	3.42661	13.8459	13.8874	8.5223	4.505	23.4065	5.9764	0.176415
290.	0.	3.41697	13.8460	13.8874	8.5201	4.507	23.3506	5.9469	0.176945
291.	0.	3.40672	13.8461	13.8874	8.5162	4.510	23.2994	5.9276	0.177587
292.	0.	3.39689	13.8462	13.8874	8.5140	4.510	23.2410	5.8981	0.178131
293.	0.	3.38693	13.8464	13.8874	8.5118	4.510	23.1810	5.8687	0.178685
294.	0.	3.37684	13.8465	13.8874	8.5096	4.509	23.1203	5.8392	0.179250
295.	0.	3.36662	13.8466	13.8874	8.5074	4.509	23.0594	5.8098	0.179825
296.	0.	3.35628	13.8467	13.8874	8.5052	4.508	22.9984	5.7804	0.180412
297.	0.	3.34582	13.8468	13.8874	8.5029	4.506	22.9373	5.7510	0.181010
298.	0.	3.33524	13.8469	13.8874	8.5007	4.505	22.8760	5.7216	0.181620
299.	0.	3.32454	13.8470	13.8874	8.4985	4.504	22.8146	5.6922	0.182240
300.	0.	3.31371	13.8472	13.8874	8.4963	4.502	22.7529	5.6629	0.182872
301.	0.	3.30282	13.8473	13.8874	8.4941	4.501	22.6962	5.6335	0.183517
302.	0.	3.29133	13.8474	13.8874	8.4900	4.502	22.6440	5.6143	0.184276
303.	0.	3.28025	13.8475	13.8874	8.4879	4.500	22.5843	5.5849	0.184934
304.	0.	3.26908	13.8476	13.8874	8.4857	4.497	22.5225	5.5556	0.185599
305.	0.	3.25787	13.8478	13.8874	8.4833	4.494	22.4590	5.5263	0.186272
306.	0.	3.24654	13.8479	13.8874	8.4808	4.490	22.3953	5.4970	0.186956
307.	0.	3.23509	13.8480	13.8874	8.4784	4.486	22.3313	5.4677	0.187651
308.	0.	3.22359	13.8482	13.8874	8.4760	4.484	22.2725	5.4384	0.188358
309.	0.	3.21150	13.8483	13.8874	8.4716	4.483	22.2185	5.4192	0.189182
310.	0.	3.19993	13.8484	13.8874	8.4692	4.480	22.1624	5.3899	0.189900
311.	0.	3.18778	13.8486	13.8874	8.4648	4.480	22.1097	5.3707	0.190733
312.	0.	3.17613	13.8487	13.8874	8.4625	4.478	22.0541	5.3415	0.191461
313.	0.	3.16389	13.8488	13.8874	8.4581	4.477	22.0016	5.3223	0.192303
314.	0.	3.15216	13.8490	13.8874	8.4558	4.474	21.9461	5.2930	0.193040
315.	0.	3.13984	13.8491	13.8874	8.4515	4.473	21.8938	5.2739	0.193891
316.	0.	3.12802	13.8493	13.8874	8.4493	4.469	21.8383	5.2446	0.194636
317.	0.	3.11562	13.8494	13.8874	8.4451	4.468	21.7861	5.2255	0.195496
318.	0.	3.10373	13.8496	13.8874	8.4430	4.464	21.7307	5.1963	0.196250
319.	0.	3.09125	13.8497	13.8874	8.4388	4.462	21.6788	5.1771	0.197119
320.	0.	3.07929	13.8498	13.8874	8.4368	4.459	21.6241	5.1479	0.197882
321.	0.	3.06680	13.8500	13.8874	8.4327	4.458	21.5781	5.1288	0.198761
322.	0.	3.05430	13.8501	13.8874	8.4286	4.456	21.5290	5.1096	0.199637
323.	0.	3.04231	13.8503	13.8874	8.4267	4.452	21.4756	5.0804	0.200406
324.	0.	3.02974	13.8504	13.8874	8.4227	4.450	21.4255	5.0613	0.201290
325.	0.	3.01772	13.8506	13.8874	8.4206	4.446	21.3720	5.0321	0.202065
326.	0.	3.00517	13.8507	13.8874	8.4164	4.444	21.3217	5.0130	0.202954
327.	0.	2.99312	13.8509	13.8874	8.4143	4.440	21.2688	4.9837	0.203736

328.	0.	2.98049	13.8510	13.8874	8.4101	4.438	21.2189	4.9646	0.204634
329.	0.	2.96837	13.8512	13.8874	8.4081	4.434	21.1660	4.9354	0.205425
330.	0.	2.95573	13.8513	13.8874	8.4040	4.433	21.1215	4.9163	0.206332
331.	0.	2.94306	13.8514	13.8874	8.3999	4.431	21.0739	4.8972	0.207238
332.	0.	2.93091	13.8516	13.8874	8.3981	4.427	21.0221	4.8680	0.208035
333.	0.	2.91817	13.8517	13.8874	8.3942	4.424	20.9726	4.8489	0.208947
334.	0.	2.90595	13.8519	13.8874	8.3925	4.418	20.9204	4.8198	0.209752
335.	0.	2.89323	13.8520	13.8874	8.3885	4.417	20.8762	4.8007	0.210671
336.	0.	2.88050	13.8522	13.8874	8.3847	4.414	20.8284	4.7816	0.211587
337.	0.	2.86828	13.8523	13.8874	8.3831	4.409	20.7766	4.7524	0.212395
338.	0.	2.85548	13.8525	13.8874	8.3794	4.406	20.7267	4.7333	0.213318
339.	0.	2.84319	13.8526	13.8874	8.3779	4.400	20.6740	4.7041	0.214133
340.	0.	2.83039	13.8528	13.8874	8.3742	4.398	20.6292	4.6851	0.215065
341.	0.	2.81758	13.8529	13.8874	8.3706	4.395	20.5809	4.6660	0.215993
342.	0.	2.80526	13.8530	13.8874	8.3694	4.390	20.5287	4.6368	0.216814
343.	0.	2.79244	13.8532	13.8874	8.3659	4.387	20.4839	4.6177	0.217749
344.	0.	2.77968	13.8533	13.8874	8.3625	4.386	20.4410	4.5987	0.218682
345.	0.	2.76698	13.8535	13.8874	8.3591	4.384	20.3988	4.5796	0.219610
346.	0.	2.75458	13.8536	13.8874	8.3547	4.385	20.3563	4.5605	0.220525
347.	0.	2.74243	13.8537	13.8874	8.3495	4.386	20.3132	4.5414	0.221429
348.	0.	2.73033	13.8539	13.8874	8.3443	4.387	20.2705	4.5223	0.222329
349.	0.	2.71824	13.8540	13.8874	8.3390	4.387	20.2223	4.5032	0.223225
350.	0.	2.70665	13.8541	13.8874	8.3361	4.384	20.1695	4.4740	0.224015
351.	0.	2.69454	13.8543	13.8874	8.3307	4.385	20.1243	4.4549	0.224921
352.	0.	2.68250	13.8544	13.8874	8.3250	4.385	20.0819	4.4358	0.225826
353.	0.	2.67051	13.8545	13.8874	8.3194	4.386	20.0405	4.4167	0.226730
354.	0.	2.65851	13.8547	13.8874	8.3139	4.388	19.9992	4.3976	0.227632
355.	0.	2.64653	13.8548	13.8874	8.3086	4.390	19.9576	4.3785	0.228533
356.	0.	2.63465	13.8549	13.8874	8.3028	4.395	19.9185	4.3594	0.229433
357.	0.	2.62275	13.8550	13.8874	8.2973	4.399	19.8791	4.3403	0.230333
358.	0.	2.61086	13.8552	13.8874	8.2919	4.400	19.8392	4.3212	0.231231
359.	0.	2.59896	13.8553	13.8874	8.2866	4.399	19.7984	4.3021	0.232127
360.	0.	2.58704	13.8554	13.8874	8.2817	4.397	19.7575	4.2830	0.233023
361.	0.	2.57503	13.8555	13.8874	8.2772	4.395	19.7104	4.2639	0.233919
362.	0.	2.56348	13.8557	13.8874	8.2753	4.389	19.6576	4.2347	0.234709
363.	0.	2.55147	13.8558	13.8874	8.2705	4.391	19.6150	4.2156	0.235615
364.	0.	2.53947	13.8559	13.8874	8.2659	4.392	19.5745	4.1965	0.236520
365.	0.	2.52742	13.8560	13.8874	8.2618	4.393	19.5335	4.1774	0.237426
366.	0.	2.51541	13.8562	13.8874	8.2577	4.391	19.4929	4.1583	0.238329
367.	0.	2.50336	13.8563	13.8874	8.2538	4.387	19.4465	4.1392	0.239229
368.	0.	2.49179	13.8564	13.8874	8.2526	4.380	19.3941	4.1100	0.240023
369.	0.	2.47961	13.8566	13.8874	8.2491	4.376	19.3495	4.0909	0.240938
370.	0.	2.46750	13.8567	13.8874	8.2457	4.375	19.3121	4.0719	0.241851
371.	0.	2.45486	13.8568	13.8874	8.2402	4.376	19.2800	4.0629	0.242872
372.	0.	2.44298	13.8569	13.8874	8.2373	4.375	19.2462	4.0438	0.243765
373.	0.	2.43056	13.8570	13.8874	8.2321	4.376	19.2157	4.0348	0.244764
374.	0.	2.41897	13.8572	13.8874	8.2291	4.378	19.1843	4.0156	0.245633
375.	0.	2.40687	13.8573	13.8874	8.2238	4.382	19.1564	4.0066	0.246609
376.	0.	2.39547	13.8574	13.8874	8.2211	4.383	19.1255	3.9875	0.247458
377.	0.	2.38359	13.8575	13.8874	8.2161	4.386	19.1036	3.9784	0.248415
378.	0.	2.37185	13.8576	13.8874	8.2113	4.387	19.0779	3.9694	0.249353
379.	0.	2.36085	13.8577	13.8874	8.2090	4.386	19.0484	3.9502	0.250166
380.	0.	2.34926	13.8579	13.8874	8.2046	4.385	19.0207	3.9411	0.251086
381.	0.	2.33841	13.8580	13.8874	8.2027	4.385	18.9901	3.9219	0.251883
382.	0.	2.32697	13.8581	13.8874	8.1987	4.384	18.9617	3.9128	0.252787
383.	0.	2.31628	13.8582	13.8874	8.1971	4.383	18.9308	3.8936	0.253567
384.	0.	2.30499	13.8583	13.8874	8.1933	4.383	18.9019	3.8845	0.254456
385.	0.	2.29446	13.8584	13.8874	8.1919	4.381	18.8706	3.8652	0.255221
386.	0.	2.28337	13.8585	13.8874	8.1884	4.382	18.8473	3.8561	0.256096
387.	0.	2.27241	13.8587	13.8874	8.1849	4.381	18.8201	3.8470	0.256954
388.	0.	2.26219	13.8588	13.8874	8.1840	4.380	18.7891	3.8277	0.257691
389.	0.	2.25134	13.8589	13.8874	8.1809	4.379	18.7596	3.8185	0.258536
390.	0.	2.24126	13.8590	13.8874	8.1802	4.377	18.7276	3.7993	0.259260
391.	0.	2.23059	13.8591	13.8874	8.1770	4.377	18.6987	3.7901	0.260092
392.	0.	2.22069	13.8592	13.8874	8.1762	4.377	18.6681	3.7708	0.260803
393.	0.	2.21013	13.8594	13.8874	8.1733	4.377	18.6392	3.7616	0.261624
394.	0.	2.20031	13.8595	13.8874	8.1729	4.375	18.6078	3.7423	0.262326

395.	0.	2.18991	13.8596	13.8874	8.1702	4.376	18.5844	3.7331	0.263137
396.	0.	2.17963	13.8597	13.8874	8.1675	4.374	18.5573	3.7239	0.263935
397.	0.	2.17009	13.8598	13.8874	8.1673	4.371	18.5265	3.7046	0.264612
398.	0.	2.15989	13.8599	13.8874	8.1649	4.368	18.4966	3.6954	0.265400
399.	0.	2.15042	13.8601	13.8874	8.1651	4.365	18.4641	3.6761	0.266069
400.	0.	2.14027	13.8602	13.8874	8.1631	4.361	18.4331	3.6668	0.266849
401.	0.	2.13089	13.8603	13.8874	8.1635	4.358	18.3998	3.6475	0.267510
402.	0.	2.12087	13.8604	13.8874	8.1618	4.356	18.3745	3.6383	0.268284
403.	0.	2.11094	13.8605	13.8874	8.1601	4.353	18.3449	3.6290	0.269045
404.	0.	2.10177	13.8607	13.8874	8.1609	4.349	18.3118	3.6097	0.269687
405.	0.	2.09191	13.8608	13.8874	8.1595	4.345	18.2798	3.6004	0.270440
406.	0.	2.08282	13.8609	13.8874	8.1606	4.341	18.2456	3.5811	0.271075
407.	0.	2.07303	13.8610	13.8874	8.1594	4.337	18.2130	3.5718	0.271822
408.	0.	2.06402	13.8611	13.8874	8.1606	4.332	18.1781	3.5525	0.272450
409.	0.	2.05430	13.8613	13.8874	8.1597	4.328	18.1450	3.5432	0.273191
410.	0.	2.04535	13.8614	13.8874	8.1612	4.323	18.1098	3.5238	0.273814
411.	0.	2.03573	13.8615	13.8874	8.1605	4.321	18.0825	3.5146	0.274551
412.	0.	2.02619	13.8616	13.8874	8.1598	4.318	18.0509	3.5053	0.275277
413.	0.	2.01743	13.8617	13.8874	8.1616	4.313	18.0160	3.4859	0.275883
414.	0.	2.00795	13.8619	13.8874	8.1612	4.309	17.9823	3.4766	0.276603
415.	0.	1.99924	13.8620	13.8874	8.1633	4.304	17.9463	3.4572	0.277205
416.	0.	1.98982	13.8621	13.8874	8.1631	4.300	17.9120	3.4479	0.277920
417.	0.	1.98117	13.8622	13.8874	8.1654	4.294	17.8754	3.4285	0.278517
418.	0.	1.97179	13.8624	13.8874	8.1654	4.290	17.8406	3.4192	0.279228
419.	0.	1.96319	13.8625	13.8874	8.1679	4.285	17.8033	3.3998	0.279822
420.	0.	1.95390	13.8626	13.8874	8.1681	4.283	17.7744	3.3905	0.280529
421.	0.	1.94468	13.8627	13.8874	8.1685	4.279	17.7415	3.3812	0.281227
422.	0.	1.93623	13.8629	13.8874	8.1714	4.274	17.7051	3.3618	0.281809
423.	0.	1.92706	13.8630	13.8874	8.1720	4.270	17.6699	3.3525	0.282503
424.	0.	1.91861	13.8631	13.8874	8.1751	4.263	17.6260	3.3331	0.283080
425.	0.	1.91014	13.8633	13.8874	8.1783	4.257	17.5855	3.3137	0.283663
426.	0.	1.90093	13.8634	13.8874	8.1792	4.252	17.5482	3.3044	0.284361
427.	0.	1.89249	13.8635	13.8874	8.1827	4.247	17.5093	3.2849	0.284943
428.	0.	1.88332	13.8637	13.8874	8.1838	4.242	17.4725	3.2756	0.285638
429.	0.	1.87493	13.8638	13.8874	8.1875	4.237	17.4333	3.2562	0.286217
430.	0.	1.86580	13.8639	13.8874	8.1888	4.232	17.3960	3.2469	0.286910
431.	0.	1.85745	13.8641	13.8874	8.1927	4.226	17.3566	3.2275	0.287486
432.	0.	1.84837	13.8642	13.8874	8.1942	4.221	17.3189	3.2182	0.288175
433.	0.	1.84006	13.8643	13.8874	8.1984	4.216	17.2791	3.1987	0.288749
434.	0.	1.83100	13.8645	13.8874	8.2001	4.212	17.2412	3.1894	0.289437
435.	0.	1.82273	13.8646	13.8874	8.2045	4.207	17.2009	3.1700	0.290008
436.	0.	1.81373	13.8648	13.8874	8.2064	4.202	17.1624	3.1607	0.290692
437.	0.	1.80551	13.8649	13.8874	8.2109	4.197	17.1215	3.1413	0.291260
438.	0.	1.79657	13.8650	13.8874	8.2129	4.192	17.0823	3.1319	0.291940
439.	0.	1.78841	13.8652	13.8874	8.2176	4.188	17.0409	3.1125	0.292504
440.	0.	1.77959	13.8653	13.8874	8.2197	4.188	17.0142	3.1032	0.293183
441.	0.	1.77022	13.8655	13.8874	8.2190	4.190	16.9945	3.1040	0.293958
442.	0.	1.76183	13.8656	13.8874	8.2209	4.192	16.9747	3.0946	0.294601
443.	0.	1.75293	13.8657	13.8874	8.2201	4.197	16.9652	3.0953	0.295338
444.	0.	1.74433	13.8659	13.8874	8.2192	4.203	16.9589	3.0960	0.296049
445.	0.	1.73602	13.8660	13.8874	8.2182	4.210	16.9542	3.0967	0.296734
446.	0.	1.72764	13.8661	13.8874	8.2173	4.194	16.8820	3.0974	0.297386
447.	0.	1.72621	13.8663	13.8874	8.2435	4.165	16.7609	2.9970	0.296968
448.	0.	1.71737	13.8665	13.8874	8.2461	4.154	16.6972	2.9876	0.297637
449.	0.	1.70932	13.8666	13.8874	8.2512	4.145	16.6384	2.9682	0.298195
450.	0.	1.70121	13.8668	13.8874	8.2564	4.139	16.5882	2.9488	0.298764
451.	0.	1.69233	13.8669	13.8874	8.2589	4.134	16.5430	2.9395	0.299451
452.	0.	1.68428	13.8671	13.8874	8.2641	4.130	16.4966	2.9200	0.300019
453.	0.	1.67547	13.8672	13.8874	8.2666	4.126	16.4527	2.9107	0.300703
454.	0.	1.66745	13.8674	13.8874	8.2719	4.120	16.4000	2.8913	0.301267
455.	0.	1.65940	13.8676	13.8874	8.2773	4.116	16.3513	2.8718	0.301839
456.	0.	1.65056	13.8677	13.8874	8.2800	4.112	16.3061	2.8625	0.302529
457.	0.	1.64256	13.8679	13.8874	8.2854	4.108	16.2593	2.8431	0.303099
458.	0.	1.63376	13.8681	13.8874	8.2883	4.104	16.2146	2.8338	0.303787
459.	0.	1.62576	13.8682	13.8874	8.2940	4.099	16.1607	2.8144	0.304356
460.	0.	1.61765	13.8684	13.8874	8.3001	4.091	16.1032	2.7949	0.304932
461.	0.	1.60950	13.8686	13.8874	8.3063	4.086	16.0507	2.7755	0.305517

462.	0.	1.60056	13.8688	13.8874	8.3097	4.081	16.0021	2.7662	0.306221
463.	0.	1.59246	13.8689	13.8874	8.3160	4.074	15.9452	2.7468	0.306802
464.	0.	1.58430	13.8691	13.8874	8.3222	4.067	15.8856	2.7274	0.307390
465.	0.	1.57612	13.8693	13.8874	8.3284	4.062	15.8318	2.7080	0.307985
466.	0.	1.56714	13.8695	13.8874	8.3317	4.058	15.7818	2.6987	0.308700
467.	0.	1.55903	13.8697	13.8874	8.3378	4.052	15.7236	2.6793	0.309291
468.	0.	1.55086	13.8699	13.8874	8.3439	4.045	15.6630	2.6599	0.309888
469.	0.	1.54267	13.8701	13.8874	8.3500	4.041	15.6082	2.6405	0.310493
470.	0.	1.53367	13.8702	13.8874	8.3531	4.037	15.5575	2.6312	0.311219
471.	0.	1.52554	13.8704	13.8874	8.3591	4.032	15.4985	2.6118	0.311819
472.	0.	1.51735	13.8706	13.8874	8.3651	4.026	15.4368	2.5924	0.312427
473.	0.	1.50906	13.8708	13.8874	8.3715	4.019	15.3729	2.5730	0.313044
474.	0.	1.50070	13.8710	13.8874	8.3779	4.012	15.3080	2.5537	0.313669
475.	0.	1.49229	13.8712	13.8874	8.3843	4.005	15.2424	2.5343	0.314302
476.	0.	1.48385	13.8714	13.8874	8.3906	4.001	15.1837	2.5149	0.314943
477.	0.	1.47458	13.8716	13.8874	8.3940	3.998	15.1296	2.5057	0.315708
478.	0.	1.46625	13.8718	13.8874	8.4001	3.993	15.0672	2.4863	0.316343
479.	0.	1.45787	13.8720	13.8874	8.4062	3.987	15.0024	2.4670	0.316983
480.	0.	1.44943	13.8723	13.8874	8.4122	3.982	14.9363	2.4476	0.317632
481.	0.	1.44091	13.8725	13.8874	8.4186	3.976	14.8688	2.4283	0.318289
482.	0.	1.43233	13.8727	13.8874	8.4248	3.970	14.8012	2.4090	0.318955
483.	0.	1.42370	13.8729	13.8874	8.4310	3.965	14.7343	2.3896	0.319629
484.	0.	1.41504	13.8731	13.8874	8.4371	3.961	14.6674	2.3703	0.320310
485.	0.	1.40630	13.8733	13.8874	8.4431	3.955	14.5931	2.3510	0.320999
486.	0.	1.39823	13.8735	13.8874	8.4519	3.936	14.4756	2.3216	0.321569
487.	0.	1.39324	13.8738	13.8874	8.4719	3.909	14.3045	2.2517	0.321654
488.	0.	1.38717	13.8741	13.8874	8.4913	3.875	14.1138	2.1818	0.321844
489.	0.	1.37982	13.8744	13.8874	8.5103	3.838	13.9119	2.1122	0.322170
490.	0.	1.37104	13.8747	13.8874	8.5287	3.801	13.7018	2.0427	0.322659
491.	0.	1.36078	13.8750	13.8874	8.5462	3.764	13.4838	1.9733	0.323330
492.	0.	1.34891	13.8754	13.8874	8.5628	3.727	13.2591	1.9042	0.324210
493.	0.	1.33526	13.8758	13.8874	8.5792	3.691	13.0302	1.8353	0.325332
494.	0.	1.31988	13.8762	13.8874	8.5945	3.659	12.8170	1.7667	0.326716
495.	0.	1.30061	13.8767	13.8874	8.6033	3.633	12.6320	1.7187	0.328742
496.	0.	1.28044	13.8771	13.8874	8.6114	3.610	12.4541	1.6709	0.330926
497.	0.	1.25948	13.8776	13.8874	8.6190	3.588	12.2768	1.6233	0.333255
498.	0.	1.23772	13.8781	13.8874	8.6264	3.566	12.0989	1.5757	0.335732
499.	0.	1.21517	13.8785	13.8874	8.6338	3.546	11.9230	1.5284	0.338362
500.	0.	1.19185	13.8790	13.8874	8.6411	3.523	11.7377	1.4811	0.341140
501.	0.	1.16901	13.8793	13.8874	8.6511	3.501	11.5490	1.4239	0.343866
502.	0.	1.14365	13.8797	13.8874	8.6577	3.484	11.3691	1.3771	0.347062
503.	0.	1.11760	13.8799	13.8874	8.6643	3.468	11.1908	1.3304	0.350414
504.	0.	1.09088	13.8800	13.8874	8.6721	3.450	11.0069	1.2839	0.353918
505.	0.	1.06472	13.8799	13.8874	8.6825	3.422	10.7911	1.2274	0.357358
506.	0.	1.03960	13.8798	13.8874	8.6962	3.383	10.5361	1.1507	0.360666
507.	0.	1.01138	13.8797	13.8874	8.7070	3.337	10.2600	1.0746	0.364634
508.	0.	0.97970	13.8797	13.8874	8.7159	3.285	9.9708	0.9994	0.369383
509.	0.	0.94476	13.8796	13.8874	8.7195	3.228	9.6731	0.9249	0.374947
510.	0.	0.89907	13.8795	13.8874	8.8053	3.070	9.4458	0.8526	0.382649
511.	0.	0.84203	13.8785	13.8874	8.9766	2.783	9.2946	0.7827	0.392718
512.	0.	0.78039	13.8768	13.8874	9.1763	2.427	9.1900	0.7140	0.403974
513.	0.	0.71925	13.8746	13.8874	9.3760	2.013	9.0815	0.6455	0.415462
514.	0.	0.66151	13.8717	13.8874	9.5352	1.581	8.9090	0.5767	0.426682
515.	0.	0.61498	13.8651	13.8874	9.6610	1.427	9.0706	0.4863	0.436348