

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.	1.62624	12.3111	12.4477	11.2034	0.001	31.5074	3.5800	0.000000
1.	0.	1.62889	12.3156	12.4477	10.9981	0.001	31.4792	3.5801	0.000077
2.	0.	1.63206	12.3199	12.4477	10.8136	0.001	31.4455	3.5701	0.000081
3.	0.	1.63404	12.3237	12.4477	10.6520	0.001	31.4372	3.5702	0.000161
4.	0.	1.63537	12.3270	12.4477	10.5118	0.001	31.4036	3.5702	0.000244
5.	0.	1.63730	12.3299	12.4477	10.3874	0.002	31.3609	3.5603	0.000257
6.	0.	1.63797	12.3324	12.4477	10.2766	0.002	31.3142	3.5603	0.000347
7.	0.	1.63927	12.3346	12.4477	10.1784	0.002	31.2648	3.5504	0.000364
8.	0.	1.63967	12.3366	12.4477	10.0899	0.002	31.2437	3.5505	0.000457
9.	0.	1.63967	12.3383	12.4477	10.0107	0.002	31.2017	3.5506	0.000553
10.	0.	1.64032	12.3398	12.4477	9.9398	0.003	31.1526	3.5406	0.000577
11.	0.	1.63988	12.3412	12.4477	9.8748	0.003	31.1044	3.5407	0.000679
12.	0.	1.64017	12.3424	12.4477	9.8163	0.003	31.0561	3.5307	0.000709
13.	0.	1.63969	12.3434	12.4477	9.7621	0.003	31.0329	3.5308	0.000812
14.	0.	1.63918	12.3444	12.4477	9.7124	0.003	31.0177	3.5309	0.000915
15.	0.	1.63936	12.3452	12.4477	9.6557	0.003	31.0123	3.5310	0.001020
16.	0.	1.63967	12.3458	12.4477	9.5993	0.003	31.0091	3.5311	0.001126
17.	0.	1.63994	12.3463	12.4477	9.5453	0.003	31.0059	3.5312	0.001232
18.	0.	1.64011	12.3467	12.4477	9.4944	0.003	31.0018	3.5313	0.001340
19.	0.	1.64017	12.3469	12.4477	9.4465	0.002	30.9967	3.5314	0.001449
20.	0.	1.64011	12.3471	12.4477	9.4015	0.002	30.9907	3.5316	0.001558
21.	0.	1.63996	12.3471	12.4477	9.3591	0.002	30.9840	3.5317	0.001668
22.	0.	1.63970	12.3471	12.4477	9.3191	0.002	30.9768	3.5318	0.001778
23.	0.	1.63922	12.3469	12.4477	9.2824	0.001	30.9716	3.5319	0.001896
24.	0.	1.63830	12.3468	12.4477	9.2502	359.991	30.9705	3.5320	0.002030
25.	0.	1.63743	12.3465	12.4477	9.2191	359.981	30.9658	3.5322	0.002158
26.	0.	1.63659	12.3462	12.4477	9.1890	359.973	30.9596	3.5323	0.002281
27.	0.	1.63575	12.3459	12.4477	9.1601	359.967	30.9526	3.5324	0.002403
28.	0.	1.63488	12.3455	12.4477	9.1325	359.962	30.9451	3.5325	0.002523
29.	0.	1.63397	12.3451	12.4477	9.1062	359.957	30.9370	3.5326	0.002642
30.	0.	1.63304	12.3447	12.4477	9.0810	359.952	30.9286	3.5328	0.002760
31.	0.	1.63362	12.3442	12.4477	9.0382	359.945	30.9322	3.5329	0.002879
32.	0.	1.63455	12.3438	12.4477	8.9915	359.939	30.9374	3.5330	0.002999
33.	0.	1.63546	12.3435	12.4477	8.9454	359.933	30.9415	3.5331	0.003119
34.	0.	1.63503	12.3432	12.4477	8.9097	359.906	30.9590	3.5333	0.003288
35.	0.	1.63396	12.3429	12.4477	8.8796	359.919	30.9762	3.5335	0.003473

60.	0.	1.61477	12.3437	12.4477	8.2581	359.517	30.4975	3.4867	0.006705
61.	0.	1.61345	12.3438	12.4477	8.2378	359.513	30.4572	3.4868	0.006845
62.	0.	1.61259	12.3440	12.4477	8.2196	359.511	30.3981	3.4769	0.006918
63.	0.	1.61163	12.3441	12.4477	8.2016	359.511	30.3333	3.4670	0.006994
64.	0.	1.61076	12.3443	12.4477	8.1840	359.511	30.2846	3.4571	0.007070
65.	0.	1.60937	12.3445	12.4477	8.1637	359.512	30.2432	3.4572	0.007217
66.	0.	1.60860	12.3446	12.4477	8.1456	359.514	30.2028	3.4473	0.007295
67.	0.	1.60717	12.3448	12.4477	8.1258	359.516	30.1644	3.4474	0.007445
68.	0.	1.60632	12.3450	12.4477	8.1085	359.520	30.1252	3.4375	0.007527
69.	0.	1.60480	12.3452	12.4477	8.0893	359.523	30.0875	3.4377	0.007679
70.	0.	1.60387	12.3454	12.4477	8.0727	359.528	30.0490	3.4278	0.007764
71.	0.	1.60228	12.3455	12.4477	8.0540	359.533	30.0119	3.4279	0.007919
72.	0.	1.60127	12.3457	12.4477	8.0379	359.539	29.9741	3.4180	0.008007
73.	0.	1.59963	12.3459	12.4477	8.0197	359.546	29.9379	3.4182	0.008164
74.	0.	1.59858	12.3461	12.4477	8.0038	359.554	29.9009	3.4083	0.008254
75.	0.	1.59692	12.3462	12.4477	7.9856	359.562	29.8656	3.4084	0.008414
76.	0.	1.59585	12.3464	12.4477	7.9698	359.572	29.8293	3.3985	0.008505
77.	0.	1.59432	12.3466	12.4477	7.9520	359.580	29.8128	3.3987	0.008665
78.	0.	1.59266	12.3467	12.4477	7.9346	359.589	29.7847	3.3988	0.008825
79.	0.	1.59144	12.3469	12.4477	7.9206	359.596	29.7525	3.3889	0.008918
80.	0.	1.58954	12.3471	12.4477	7.9049	359.601	29.7203	3.3891	0.009080
81.	0.	1.58812	12.3472	12.4477	7.8925	359.606	29.6865	3.3792	0.009175
82.	0.	1.58603	12.3474	12.4477	7.8784	359.611	29.6539	3.3793	0.009339
83.	0.	1.58449	12.3475	12.4477	7.8671	359.616	29.6196	3.3694	0.009436
84.	0.	1.58232	12.3477	12.4477	7.8538	359.620	29.5860	3.3696	0.009602
85.	0.	1.58070	12.3478	12.4477	7.8433	359.623	29.5506	3.3597	0.009700
86.	0.	1.57847	12.3480	12.4477	7.8306	359.627	29.5162	3.3599	0.009866
87.	0.	1.57679	12.3481	12.4477	7.8206	359.630	29.4805	3.3500	0.009965
88.	0.	1.57452	12.3483	12.4477	7.8082	359.633	29.4462	3.3501	0.010132
89.	0.	1.57281	12.3484	12.4477	7.7986	359.636	29.4104	3.3402	0.010232
90.	0.	1.57052	12.3485	12.4477	7.7865	359.640	29.3760	3.3404	0.010400
91.	0.	1.56879	12.3487	12.4477	7.7771	359.644	29.3402	3.3305	0.010499
92.	0.	1.56648	12.3488	12.4477	7.7655	359.649	29.3056	3.3307	0.010667
93.	0.	1.56474	12.3489	12.4477	7.7564	359.655	29.2696	3.3208	0.010765
94.	0.	1.56257	12.3491	12.4477	7.7451	359.662	29.2521	3.3209	0.010931
95.	0.	1.56032	12.3492	12.4477	7.7338	359.669	29.2231	3.3211	0.011095
96.	0.	1.55860	12.3493	12.4477	7.7253	359.676	29.1891	3.3112	0.011191
97.	0.	1.55628	12.3494	12.4477	7.7144	359.684	29.1553	3.3114	0.011355
98.	0.	1.55452	12.3496	12.4477	7.7062	359.692	29.1198	3.3015	0.011451
99.	0.	1.55217	12.3497	12.4477	7.6958	359.701	29.0858	3.3016	0.011615
100.	0.	1.55037	12.3498	12.4477	7.6880	359.710	29.0505	3.2917	0.011711
101.	0.	1.54812	12.3499	12.4477	7.6780	359.719	29.0341	3.2919	0.011875
102.	0.	1.54580	12.3500	12.4477	7.6681	359.728	29.0068	3.2920	0.012038
103.	0.	1.54401	12.3501	12.4477	7.6609	359.738	28.9743	3.2821	0.012133
104.	0.	1.54161	12.3502	12.4477	7.6514	359.748	28.9423	3.2823	0.012295
105.	0.	1.53976	12.3504	12.4477	7.6447	359.759	28.9087	3.2724	0.012391
106.	0.	1.53731	12.3505	12.4477	7.6357	359.770	28.8766	3.2726	0.012554
107.	0.	1.53542	12.3506	12.4477	7.6294	359.781	28.8432	3.2627	0.012650
108.	0.	1.53293	12.3507	12.4477	7.6208	359.793	28.8116	3.2628	0.012814
109.	0.	1.53101	12.3508	12.4477	7.6150	359.805	28.7785	3.2529	0.012910
110.	0.	1.52861	12.3509	12.4477	7.6070	359.816	28.7641	3.2531	0.013074
111.	0.	1.52614	12.3510	12.4477	7.5992	359.829	28.7390	3.2532	0.013236
112.	0.	1.52419	12.3511	12.4477	7.5943	359.842	28.7087	3.2433	0.013330
113.	0.	1.52162	12.3512	12.4477	7.5871	359.856	28.6791	3.2435	0.013492
114.	0.	1.51961	12.3513	12.4477	7.5827	359.871	28.6482	3.2336	0.013586
115.	0.	1.51702	12.3513	12.4477	7.5759	359.887	28.6192	3.2337	0.013748
116.	0.	1.51501	12.3514	12.4477	7.5717	359.905	28.5891	3.2238	0.013842
117.	0.	1.51254	12.3515	12.4477	7.5652	359.924	28.5774	3.2240	0.014004
118.	0.	1.51002	12.3516	12.4477	7.5587	359.944	28.5556	3.2242	0.014163
119.	0.	1.50809	12.3517	12.4477	7.5547	359.965	28.5281	3.2143	0.014252
120.	0.	1.50561	12.3518	12.4477	7.5478	359.987	28.5002	3.2144	0.014407
121.	0.	1.50372	12.3519	12.4477	7.5435	0.010	28.4704	3.2045	0.014494
122.	0.	1.50127	12.3519	12.4477	7.5364	0.032	28.4412	3.2046	0.014648
123.	0.	1.49944	12.3520	12.4477	7.5318	0.056	28.4102	3.1947	0.014733
124.	0.	1.49714	12.3521	12.4477	7.5248	0.079	28.3973	3.1949	0.014886
125.	0.	1.49492	12.3522	12.4477	7.5178	0.103	28.3905	3.1950	0.015036
126.	0.	1.49275	12.3522	12.4477	7.5110	0.127	28.3862	3.1952	0.015185

127.	0.	1.49062	12.3523	12.4477	7.5042	0.152	28.3832	3.1953	0.015331
128.	0.	1.48852	12.3524	12.4477	7.4975	0.177	28.3809	3.1955	0.015475
129.	0.	1.48646	12.3524	12.4477	7.4908	0.202	28.3793	3.1956	0.015616
130.	0.	1.48443	12.3525	12.4477	7.4841	0.228	28.3784	3.1958	0.015755
131.	0.	1.48244	12.3526	12.4477	7.4775	0.254	28.3780	3.1959	0.015892
132.	0.	1.48048	12.3526	12.4477	7.4710	0.280	28.3783	3.1960	0.016027
133.	0.	1.47855	12.3527	12.4477	7.4645	0.307	28.3792	3.1962	0.016159
134.	0.	1.47667	12.3527	12.4477	7.4579	0.334	28.3804	3.1963	0.016290
135.	0.	1.47482	12.3528	12.4477	7.4514	0.363	28.3821	3.1964	0.016418
136.	0.	1.47302	12.3528	12.4477	7.4447	0.391	28.3840	3.1965	0.016543
137.	0.	1.47126	12.3529	12.4477	7.4381	0.420	28.3861	3.1967	0.016666
138.	0.	1.46954	12.3529	12.4477	7.4314	0.450	28.3887	3.1968	0.016787
139.	0.	1.46785	12.3530	12.4477	7.4248	0.479	28.3918	3.1969	0.016906
140.	0.	1.46618	12.3530	12.4477	7.4182	0.510	28.3953	3.1970	0.017023
141.	0.	1.46454	12.3531	12.4477	7.4117	0.540	28.3992	3.1971	0.017138
142.	0.	1.46293	12.3531	12.4477	7.4051	0.570	28.4033	3.1973	0.017252
143.	0.	1.46134	12.3531	12.4477	7.3987	0.600	28.4080	3.1974	0.017364
144.	0.	1.45976	12.3532	12.4477	7.3923	0.630	28.4130	3.1975	0.017475
145.	0.	1.45822	12.3532	12.4477	7.3859	0.660	28.4187	3.1976	0.017585
146.	0.	1.45670	12.3533	12.4477	7.3795	0.690	28.4249	3.1977	0.017693
147.	0.	1.45519	12.3533	12.4477	7.3732	0.721	28.4315	3.1978	0.017799
148.	0.	1.45371	12.3533	12.4477	7.3670	0.751	28.4385	3.1979	0.017905
149.	0.	1.45225	12.3534	12.4477	7.3608	0.781	28.4458	3.1980	0.018009
150.	0.	1.45080	12.3534	12.4477	7.3547	0.811	28.4533	3.1981	0.018111
151.	0.	1.44937	12.3534	12.4477	7.3486	0.841	28.4611	3.1982	0.018212
152.	0.	1.44795	12.3535	12.4477	7.3427	0.871	28.4692	3.1983	0.018312
153.	0.	1.44655	12.3535	12.4477	7.3367	0.900	28.4775	3.1984	0.018411
154.	0.	1.44517	12.3536	12.4477	7.3309	0.930	28.4862	3.1985	0.018509
155.	0.	1.44396	12.3536	12.4477	7.3252	0.961	28.5174	3.1986	0.018605
156.	0.	1.44247	12.3536	12.4477	7.3173	0.992	28.5809	3.2088	0.018760
157.	0.	1.44113	12.3536	12.4477	7.3095	1.024	28.6558	3.2189	0.018910
158.	0.	1.43988	12.3536	12.4477	7.3019	1.056	28.7345	3.2291	0.019055
159.	0.	1.43870	12.3537	12.4477	7.2944	1.087	28.8147	3.2392	0.019195
160.	0.	1.43759	12.3537	12.4477	7.2870	1.118	28.8954	3.2493	0.019332
161.	0.	1.43654	12.3537	12.4477	7.2797	1.149	28.9763	3.2595	0.019464
162.	0.	1.43554	12.3537	12.4477	7.2725	1.178	29.0571	3.2696	0.019592
163.	0.	1.43460	12.3537	12.4477	7.2654	1.208	29.1377	3.2797	0.019716
164.	0.	1.43371	12.3537	12.4477	7.2583	1.237	29.2180	3.2898	0.019837
165.	0.	1.43286	12.3537	12.4477	7.2513	1.265	29.2976	3.3000	0.019954
166.	0.	1.43222	12.3537	12.4477	7.2447	1.294	29.3988	3.3101	0.020068
167.	0.	1.43119	12.3537	12.4477	7.2356	1.322	29.5070	3.3302	0.020233
168.	0.	1.43057	12.3537	12.4477	7.2290	1.349	29.5921	3.3403	0.020339
169.	0.	1.43010	12.3537	12.4477	7.2226	1.376	29.6929	3.3504	0.020442
170.	0.	1.42922	12.3537	12.4477	7.2138	1.403	29.7965	3.3706	0.020594
171.	0.	1.42871	12.3537	12.4477	7.2073	1.427	29.8757	3.3807	0.020691
172.	0.	1.42835	12.3537	12.4477	7.2011	1.452	29.9707	3.3908	0.020784
173.	0.	1.42758	12.3537	12.4477	7.1925	1.477	30.0668	3.4109	0.020926
174.	0.	1.42714	12.3537	12.4477	7.1863	1.499	30.1386	3.4210	0.021014
175.	0.	1.42686	12.3537	12.4477	7.1803	1.522	30.2273	3.4311	0.021100
176.	0.	1.42616	12.3537	12.4477	7.1719	1.544	30.3151	3.4512	0.021234
177.	0.	1.42579	12.3537	12.4477	7.1657	1.564	30.3788	3.4613	0.021315
178.	0.	1.42558	12.3537	12.4477	7.1598	1.585	30.4609	3.4714	0.021394
179.	0.	1.42495	12.3537	12.4477	7.1515	1.604	30.5409	3.4915	0.021519
180.	0.	1.42451	12.3537	12.4477	7.1451	1.621	30.5780	3.5016	0.021594
181.	0.	1.42436	12.3537	12.4477	7.1409	1.639	30.5937	3.5016	0.021619
182.	0.	1.42434	12.3537	12.4477	7.1370	1.658	30.6253	3.5016	0.021642
183.	0.	1.42385	12.3537	12.4477	7.1307	1.675	30.6527	3.5117	0.021713
184.	0.	1.42365	12.3538	12.4477	7.1267	1.691	30.6592	3.5117	0.021736
185.	0.	1.42346	12.3538	12.4477	7.1228	1.709	30.6669	3.5118	0.021758
186.	0.	1.42324	12.3538	12.4477	7.1189	1.725	30.6707	3.5118	0.021780
187.	0.	1.42316	12.3538	12.4477	7.1153	1.742	30.6938	3.5118	0.021802
188.	0.	1.42266	12.3538	12.4477	7.1093	1.758	30.7166	3.5219	0.021871
189.	0.	1.42247	12.3538	12.4477	7.1054	1.774	30.7199	3.5219	0.021893
190.	0.	1.42230	12.3538	12.4477	7.1015	1.791	30.7255	3.5219	0.021913
191.	0.	1.42211	12.3538	12.4477	7.0977	1.808	30.7276	3.5219	0.021933
192.	0.	1.42206	12.3538	12.4477	7.0941	1.825	30.7491	3.5220	0.021954
193.	0.	1.42159	12.3538	12.4477	7.0880	1.841	30.7703	3.5320	0.022021

194.	0.	1.42141	12.3538	12.4477	7.0843	1.855	30.7723	3.5320	0.022041
195.	0.	1.42125	12.3538	12.4477	7.0807	1.871	30.7771	3.5321	0.022061
196.	0.	1.42089	12.3538	12.4477	7.0768	1.885	30.7565	3.5321	0.022081
197.	0.	1.42071	12.3538	12.4477	7.0750	1.895	30.7042	3.5221	0.022056
198.	0.	1.42063	12.3539	12.4477	7.0733	1.907	30.6632	3.5120	0.022031
199.	0.	1.42014	12.3539	12.4477	7.0693	1.920	30.6272	3.5121	0.022052
200.	0.	1.41990	12.3539	12.4477	7.0675	1.931	30.5694	3.5020	0.022028
201.	0.	1.41960	12.3539	12.4477	7.0657	1.941	30.5045	3.4920	0.022005
202.	0.	1.41926	12.3539	12.4477	7.0640	1.951	30.4374	3.4820	0.021982
203.	0.	1.41891	12.3539	12.4477	7.0623	1.961	30.3696	3.4720	0.021960
204.	0.	1.41836	12.3540	12.4477	7.0605	1.969	30.2815	3.4619	0.021939
205.	0.	1.41816	12.3540	12.4477	7.0612	1.976	30.1856	3.4419	0.021871
206.	0.	1.41749	12.3540	12.4477	7.0595	1.983	30.0894	3.4319	0.021853
207.	0.	1.41723	12.3540	12.4477	7.0604	1.991	29.9923	3.4118	0.021787
208.	0.	1.41663	12.3541	12.4477	7.0591	2.001	29.9165	3.4018	0.021771
209.	0.	1.41592	12.3541	12.4477	7.0578	2.010	29.8284	3.3918	0.021757
210.	0.	1.41561	12.3541	12.4477	7.0589	2.019	29.7350	3.3717	0.021693
211.	0.	1.41495	12.3541	12.4477	7.0577	2.030	29.6616	3.3617	0.021681
212.	0.	1.41419	12.3542	12.4477	7.0564	2.040	29.5772	3.3517	0.021670
213.	0.	1.41380	12.3542	12.4477	7.0578	2.047	29.4893	3.3316	0.021610
214.	0.	1.41302	12.3542	12.4477	7.0569	2.057	29.4191	3.3216	0.021603
215.	0.	1.41213	12.3542	12.4477	7.0560	2.066	29.3382	3.3116	0.021598
216.	0.	1.41164	12.3543	12.4477	7.0577	2.076	29.2542	3.2915	0.021542
217.	0.	1.41076	12.3543	12.4477	7.0570	2.088	29.1874	3.2815	0.021542
218.	0.	1.40977	12.3543	12.4477	7.0561	2.101	29.1106	3.2715	0.021543
219.	0.	1.40920	12.3544	12.4477	7.0577	2.114	29.0285	3.2515	0.021492
220.	0.	1.40823	12.3544	12.4477	7.0569	2.130	28.9627	3.2415	0.021498
221.	0.	1.40715	12.3544	12.4477	7.0559	2.144	28.8860	3.2315	0.021505
222.	0.	1.40650	12.3545	12.4477	7.0574	2.159	28.8039	3.2115	0.021457
223.	0.	1.40542	12.3545	12.4477	7.0564	2.177	28.7374	3.2015	0.021469
224.	0.	1.40435	12.3545	12.4477	7.0556	2.195	28.6756	3.1915	0.021481
225.	0.	1.40314	12.3546	12.4477	7.0546	2.213	28.5996	3.1815	0.021496
226.	0.	1.40234	12.3546	12.4477	7.0564	2.229	28.5165	3.1615	0.021454
227.	0.	1.40108	12.3546	12.4477	7.0557	2.248	28.4491	3.1515	0.021474
228.	0.	1.39982	12.3547	12.4477	7.0552	2.267	28.3862	3.1415	0.021496
229.	0.	1.39865	12.3547	12.4477	7.0547	2.289	28.3399	3.1315	0.021518
230.	0.	1.39702	12.3547	12.4477	7.0516	2.311	28.3017	3.1316	0.021602
231.	0.	1.39582	12.3547	12.4477	7.0509	2.332	28.2486	3.1216	0.021625
232.	0.	1.39467	12.3548	12.4477	7.0503	2.355	28.2064	3.1116	0.021650
233.	0.	1.39302	12.3548	12.4477	7.0470	2.378	28.1707	3.1117	0.021736
234.	0.	1.39190	12.3548	12.4477	7.0462	2.402	28.1345	3.1018	0.021762
235.	0.	1.39037	12.3548	12.4477	7.0430	2.429	28.1170	3.1018	0.021849
236.	0.	1.38880	12.3549	12.4477	7.0395	2.455	28.0898	3.1019	0.021936
237.	0.	1.38774	12.3549	12.4477	7.0385	2.479	28.0575	3.0920	0.021961
238.	0.	1.38625	12.3549	12.4477	7.0351	2.506	28.0421	3.0920	0.022048
239.	0.	1.38470	12.3549	12.4477	7.0315	2.531	28.0161	3.0921	0.022135
240.	0.	1.38365	12.3550	12.4477	7.0305	2.556	27.9847	3.0822	0.022160
241.	0.	1.38218	12.3550	12.4477	7.0268	2.582	27.9701	3.0822	0.022248
242.	0.	1.38065	12.3550	12.4477	7.0231	2.607	27.9450	3.0823	0.022334
243.	0.	1.37962	12.3550	12.4477	7.0219	2.631	27.9148	3.0724	0.022360
244.	0.	1.37816	12.3551	12.4477	7.0182	2.658	27.9013	3.0724	0.022447
245.	0.	1.37676	12.3551	12.4477	7.0145	2.685	27.8932	3.0725	0.022534
246.	0.	1.37529	12.3551	12.4477	7.0106	2.711	27.8713	3.0726	0.022619
247.	0.	1.37431	12.3551	12.4477	7.0093	2.735	27.8426	3.0626	0.022643
248.	0.	1.37289	12.3552	12.4477	7.0054	2.762	27.8302	3.0627	0.022729
249.	0.	1.37143	12.3552	12.4477	7.0014	2.788	27.8074	3.0628	0.022815
250.	0.	1.37045	12.3552	12.4477	7.0000	2.812	27.7791	3.0528	0.022839
251.	0.	1.36904	12.3552	12.4477	6.9961	2.839	27.7672	3.0529	0.022925
252.	0.	1.36756	12.3553	12.4477	6.9922	2.864	27.7446	3.0530	0.023011
253.	0.	1.36656	12.3553	12.4477	6.9910	2.887	27.7158	3.0430	0.023036
254.	0.	1.36512	12.3553	12.4477	6.9873	2.913	27.7033	3.0431	0.023123
255.	0.	1.36363	12.3553	12.4477	6.9835	2.938	27.6804	3.0432	0.023209
256.	0.	1.36265	12.3554	12.4477	6.9822	2.961	27.6521	3.0332	0.023234
257.	0.	1.36122	12.3554	12.4477	6.9784	2.986	27.6401	3.0333	0.023321
258.	0.	1.35984	12.3554	12.4477	6.9746	3.013	27.6330	3.0334	0.023408
259.	0.	1.35839	12.3554	12.4477	6.9707	3.037	27.6127	3.0335	0.023493
260.	0.	1.35743	12.3554	12.4477	6.9694	3.059	27.5858	3.0235	0.023517

261.	0.	1.35603	12.3555	12.4477	6.9656	3.085	27.5749	3.0236	0.023604
262.	0.	1.35457	12.3555	12.4477	6.9616	3.110	27.5537	3.0237	0.023690
263.	0.	1.35360	12.3555	12.4477	6.9603	3.132	27.5271	3.0137	0.023714
264.	0.	1.35220	12.3555	12.4477	6.9565	3.159	27.5170	3.0138	0.023801
265.	0.	1.35081	12.3555	12.4477	6.9529	3.186	27.5121	3.0139	0.023888
266.	0.	1.34936	12.3556	12.4477	6.9491	3.212	27.4943	3.0140	0.023974
267.	0.	1.34838	12.3556	12.4477	6.9481	3.236	27.4701	3.0040	0.023999
268.	0.	1.34699	12.3556	12.4477	6.9443	3.264	27.4614	3.0041	0.024086
269.	0.	1.34563	12.3556	12.4477	6.9406	3.293	27.4578	3.0042	0.024172
270.	0.	1.34430	12.3556	12.4477	6.9369	3.322	27.4561	3.0043	0.024257
271.	0.	1.34299	12.3557	12.4477	6.9332	3.352	27.4553	3.0043	0.024341
272.	0.	1.34170	12.3557	12.4477	6.9295	3.381	27.4550	3.0044	0.024424
273.	0.	1.34043	12.3557	12.4477	6.9258	3.411	27.4551	3.0045	0.024506
274.	0.	1.33917	12.3557	12.4477	6.9221	3.441	27.4553	3.0046	0.024588
275.	0.	1.33793	12.3557	12.4477	6.9185	3.470	27.4554	3.0047	0.024668
276.	0.	1.33660	12.3557	12.4477	6.9147	3.496	27.4403	3.0047	0.024747
277.	0.	1.33572	12.3558	12.4477	6.9139	3.519	27.4172	2.9948	0.024767
278.	0.	1.33440	12.3558	12.4477	6.9105	3.545	27.4095	2.9948	0.024848
279.	0.	1.33312	12.3558	12.4477	6.9071	3.572	27.4056	2.9949	0.024927
280.	0.	1.33186	12.3558	12.4477	6.9039	3.597	27.4031	2.9950	0.025006
281.	0.	1.33063	12.3558	12.4477	6.9006	3.623	27.4011	2.9951	0.025084
282.	0.	1.32941	12.3558	12.4477	6.8972	3.648	27.3994	2.9952	0.025161
283.	0.	1.32822	12.3558	12.4477	6.8938	3.673	27.3980	2.9952	0.025237
284.	0.	1.32703	12.3558	12.4477	6.8905	3.698	27.3971	2.9953	0.025313
285.	0.	1.32585	12.3559	12.4477	6.8872	3.724	27.3968	2.9954	0.025388
286.	0.	1.32467	12.3559	12.4477	6.8841	3.749	27.3968	2.9955	0.025462
287.	0.	1.32351	12.3559	12.4477	6.8809	3.773	27.3972	2.9955	0.025535
288.	0.	1.32237	12.3559	12.4477	6.8777	3.798	27.3980	2.9956	0.025607
289.	0.	1.32116	12.3559	12.4477	6.8744	3.821	27.3841	2.9957	0.025678
290.	0.	1.32041	12.3559	12.4477	6.8737	3.840	27.3634	2.9857	0.025691
291.	0.	1.31922	12.3559	12.4477	6.8705	3.864	27.3579	2.9858	0.025763
292.	0.	1.31807	12.3560	12.4477	6.8673	3.889	27.3568	2.9858	0.025836
293.	0.	1.31694	12.3560	12.4477	6.8641	3.913	27.3572	2.9859	0.025907
294.	0.	1.31582	12.3560	12.4477	6.8610	3.938	27.3578	2.9860	0.025978
295.	0.	1.31470	12.3560	12.4477	6.8580	3.962	27.3582	2.9860	0.026048
296.	0.	1.31360	12.3560	12.4477	6.8550	3.986	27.3588	2.9861	0.026118
297.	0.	1.31253	12.3560	12.4477	6.8518	4.012	27.3603	2.9862	0.026186
298.	0.	1.31147	12.3560	12.4477	6.8487	4.038	27.3618	2.9863	0.026254
299.	0.	1.31042	12.3560	12.4477	6.8456	4.062	27.3627	2.9863	0.026321
300.	0.	1.30937	12.3560	12.4477	6.8426	4.086	27.3634	2.9864	0.026388
301.	0.	1.30833	12.3560	12.4477	6.8395	4.111	27.3649	2.9865	0.026454
302.	0.	1.30731	12.3560	12.4477	6.8365	4.135	27.3666	2.9865	0.026519
303.	0.	1.30629	12.3560	12.4477	6.8335	4.160	27.3683	2.9866	0.026584
304.	0.	1.30529	12.3561	12.4477	6.8305	4.184	27.3701	2.9866	0.026648
305.	0.	1.30429	12.3561	12.4477	6.8275	4.207	27.3716	2.9867	0.026711
306.	0.	1.30330	12.3561	12.4477	6.8246	4.230	27.3728	2.9868	0.026774
307.	0.	1.30231	12.3561	12.4477	6.8218	4.252	27.3737	2.9868	0.026836
308.	0.	1.30125	12.3561	12.4477	6.8189	4.271	27.3598	2.9869	0.026898
309.	0.	1.30062	12.3561	12.4477	6.8187	4.287	27.3391	2.9769	0.026902
310.	0.	1.29956	12.3561	12.4477	6.8159	4.308	27.3335	2.9770	0.026965
311.	0.	1.29855	12.3561	12.4477	6.8132	4.329	27.3322	2.9770	0.027027
312.	0.	1.29755	12.3561	12.4477	6.8105	4.351	27.3324	2.9771	0.027089
313.	0.	1.29648	12.3561	12.4477	6.8078	4.369	27.3186	2.9771	0.027150
314.	0.	1.29583	12.3561	12.4477	6.8079	4.384	27.2974	2.9672	0.027154
315.	0.	1.29478	12.3561	12.4477	6.8053	4.405	27.2913	2.9672	0.027216
316.	0.	1.29376	12.3562	12.4477	6.8027	4.426	27.2896	2.9673	0.027278
317.	0.	1.29277	12.3562	12.4477	6.8001	4.448	27.2895	2.9673	0.027339
318.	0.	1.29170	12.3562	12.4477	6.7974	4.467	27.2759	2.9674	0.027399
319.	0.	1.29109	12.3562	12.4477	6.7974	4.483	27.2551	2.9574	0.027403
320.	0.	1.29006	12.3562	12.4477	6.7947	4.505	27.2495	2.9575	0.027465
321.	0.	1.28907	12.3562	12.4477	6.7919	4.528	27.2482	2.9575	0.027526
322.	0.	1.28810	12.3562	12.4477	6.7892	4.552	27.2486	2.9576	0.027587
323.	0.	1.28713	12.3562	12.4477	6.7865	4.576	27.2497	2.9576	0.027647
324.	0.	1.28609	12.3562	12.4477	6.7837	4.597	27.2371	2.9577	0.027707
325.	0.	1.28548	12.3562	12.4477	6.7838	4.614	27.2171	2.9477	0.027710
326.	0.	1.28443	12.3562	12.4477	6.7814	4.635	27.2114	2.9478	0.027772
327.	0.	1.28342	12.3562	12.4477	6.7790	4.658	27.2099	2.9478	0.027833

328.	0.	1.28245	12.3562	12.4477	6.7764	4.680	27.2098	2.9479	0.027893
329.	0.	1.28141	12.3562	12.4477	6.7737	4.700	27.1961	2.9480	0.027953
330.	0.	1.28081	12.3562	12.4477	6.7738	4.716	27.1752	2.9380	0.027955
331.	0.	1.27978	12.3563	12.4477	6.7712	4.737	27.1692	2.9380	0.028016
332.	0.	1.27880	12.3563	12.4477	6.7686	4.760	27.1674	2.9381	0.028077
333.	0.	1.27783	12.3563	12.4477	6.7661	4.783	27.1672	2.9381	0.028137
334.	0.	1.27678	12.3563	12.4477	6.7636	4.802	27.1535	2.9382	0.028196
335.	0.	1.27608	12.3563	12.4477	6.7637	4.816	27.1191	2.9282	0.028198
336.	0.	1.27540	12.3563	12.4477	6.7641	4.831	27.0916	2.9182	0.028202
337.	0.	1.27423	12.3563	12.4477	6.7616	4.849	27.0689	2.9183	0.028264
338.	0.	1.27345	12.3563	12.4477	6.7619	4.862	27.0307	2.9083	0.028270
339.	0.	1.27335	12.3563	12.4477	6.7633	4.905	27.1132	2.8983	0.028278
340.	0.	1.27098	12.3562	12.4477	6.7454	4.999	27.3600	2.9587	0.028676
341.	0.	1.26899	12.3562	12.4477	6.7320	5.052	27.4627	2.9989	0.028940
342.	0.	1.26933	12.3562	12.4477	6.7371	5.051	27.4013	2.9688	0.028823
343.	0.	1.26947	12.3563	12.4477	6.7423	5.047	27.3195	2.9387	0.028706
344.	0.	1.26871	12.3563	12.4477	6.7423	5.054	27.2625	2.9287	0.028704
345.	0.	1.26804	12.3563	12.4477	6.7427	5.065	27.2261	2.9187	0.028704
346.	0.	1.26689	12.3563	12.4477	6.7405	5.081	27.1992	2.9188	0.028762
347.	0.	1.26630	12.3563	12.4477	6.7414	5.099	27.1866	2.9088	0.028765
348.	0.	1.26506	12.3563	12.4477	6.7368	5.133	27.2260	2.9189	0.028880
349.	0.	1.26396	12.3563	12.4477	6.7323	5.169	27.2803	2.9290	0.028993
350.	0.	1.26296	12.3563	12.4477	6.7278	5.206	27.3404	2.9391	0.029101
351.	0.	1.26160	12.3563	12.4477	6.7227	5.224	27.3311	2.9492	0.029206
352.	0.	1.26142	12.3563	12.4477	6.7282	5.204	27.2026	2.9191	0.029089
353.	0.	1.26172	12.3564	12.4477	6.7394	5.168	27.0048	2.8689	0.028857
354.	0.	1.26197	12.3564	12.4477	6.7514	5.141	26.8268	2.8186	0.028627
355.	0.	1.26072	12.3564	12.4477	6.7554	5.130	26.6906	2.7986	0.028586
356.	0.	1.26042	12.3565	12.4477	6.7633	5.145	26.6510	2.7685	0.028494
357.	0.	1.25703	12.3564	12.4477	6.7508	5.195	26.7071	2.8088	0.028836
358.	0.	1.25598	12.3564	12.4477	6.7526	5.219	26.7024	2.7989	0.028866
359.	0.	1.25563	12.3564	12.4477	6.7527	5.297	26.9037	2.7990	0.028956
360.	0.	1.25126	12.3563	12.4477	6.7229	5.418	27.1996	2.8996	0.029609
361.	0.	1.25076	12.3563	12.4477	6.7213	5.458	27.2805	2.8997	0.029671
362.	0.	1.25008	12.3563	12.4477	6.7189	5.490	27.3172	2.8997	0.029726
363.	0.	1.24942	12.3563	12.4477	6.7165	5.522	27.3533	2.8998	0.029781
364.	0.	1.24831	12.3563	12.4477	6.7113	5.555	27.3898	2.9099	0.029888
365.	0.	1.24757	12.3563	12.4477	6.7088	5.579	27.4033	2.9099	0.029939
366.	0.	1.24681	12.3563	12.4477	6.7063	5.603	27.4118	2.9100	0.029989
367.	0.	1.24616	12.3563	12.4477	6.7041	5.630	27.4382	2.9100	0.030039
368.	0.	1.24511	12.3563	12.4477	6.6988	5.662	27.4714	2.9201	0.030141
369.	0.	1.24443	12.3563	12.4477	6.6964	5.684	27.4831	2.9202	0.030188
370.	0.	1.24372	12.3563	12.4477	6.6941	5.705	27.4901	2.9202	0.030233
371.	0.	1.24301	12.3563	12.4477	6.6917	5.726	27.4945	2.9203	0.030279
372.	0.	1.24241	12.3563	12.4477	6.6896	5.751	27.5186	2.9203	0.030324
373.	0.	1.24143	12.3563	12.4477	6.6845	5.779	27.5498	2.9304	0.030421
374.	0.	1.24081	12.3563	12.4477	6.6822	5.800	27.5603	2.9305	0.030464
375.	0.	1.24017	12.3563	12.4477	6.6799	5.819	27.5669	2.9305	0.030505
376.	0.	1.23952	12.3563	12.4477	6.6775	5.838	27.5711	2.9305	0.030547
377.	0.	1.23888	12.3563	12.4477	6.6752	5.857	27.5743	2.9306	0.030588
378.	0.	1.23823	12.3563	12.4477	6.6729	5.874	27.5769	2.9306	0.030629
379.	0.	1.23771	12.3563	12.4477	6.6707	5.897	27.5997	2.9307	0.030669
380.	0.	1.23681	12.3562	12.4477	6.6658	5.922	27.6297	2.9408	0.030761
381.	0.	1.23625	12.3562	12.4477	6.6635	5.940	27.6387	2.9408	0.030799
382.	0.	1.23568	12.3562	12.4477	6.6612	5.956	27.6439	2.9408	0.030836
383.	0.	1.23511	12.3562	12.4477	6.6589	5.972	27.6470	2.9409	0.030873
384.	0.	1.23453	12.3562	12.4477	6.6566	5.987	27.6491	2.9409	0.030910
385.	0.	1.23396	12.3562	12.4477	6.6543	6.003	27.6510	2.9409	0.030947
386.	0.	1.23329	12.3562	12.4477	6.6520	6.014	27.6375	2.9410	0.030983
387.	0.	1.23294	12.3562	12.4477	6.6524	6.017	27.6024	2.9310	0.030967
388.	0.	1.23262	12.3562	12.4477	6.6529	6.024	27.5769	2.9210	0.030952
389.	0.	1.23184	12.3562	12.4477	6.6507	6.034	27.5546	2.9210	0.030990
390.	0.	1.23141	12.3562	12.4477	6.6513	6.037	27.5147	2.9110	0.030977
391.	0.	1.23107	12.3563	12.4477	6.6522	6.047	27.4971	2.9010	0.030965
392.	0.	1.23122	12.3562	12.4477	6.6494	6.127	27.7149	2.9111	0.031059
393.	0.	1.22760	12.3561	12.4477	6.6198	6.214	27.9226	3.0116	0.031596
394.	0.	1.22808	12.3561	12.4477	6.6255	6.191	27.8573	2.9815	0.031481

395.	0.	1.22834	12.3562	12.4477	6.6307	6.163	27.7549	2.9514	0.031360
396.	0.	1.22800	12.3562	12.4477	6.6331	6.135	27.6370	2.9313	0.031291
397.	0.	1.22799	12.3562	12.4477	6.6388	6.105	27.5098	2.9012	0.031171
398.	0.	1.22745	12.3563	12.4477	6.6418	6.079	27.3826	2.8811	0.031106
399.	0.	1.22729	12.3563	12.4477	6.6480	6.053	27.2523	2.8510	0.030989
400.	0.	1.22675	12.3563	12.4477	6.6518	6.041	27.1558	2.8309	0.030930
401.	0.	1.22591	12.3563	12.4477	6.6533	6.045	27.1023	2.8209	0.030932
402.	0.	1.22486	12.3563	12.4477	6.6521	6.068	27.1019	2.8210	0.030992
403.	0.	1.22388	12.3563	12.4477	6.6487	6.118	27.1870	2.8311	0.031105
404.	0.	1.22250	12.3562	12.4477	6.6396	6.192	27.3463	2.8613	0.031321
405.	0.	1.22102	12.3562	12.4477	6.6298	6.248	27.4576	2.8915	0.031527
406.	0.	1.22012	12.3562	12.4477	6.6275	6.251	27.4200	2.8916	0.031569
407.	0.	1.22047	12.3563	12.4477	6.6362	6.219	27.2854	2.8514	0.031398
408.	0.	1.22064	12.3563	12.4477	6.6429	6.213	27.2175	2.8213	0.031283
409.	0.	1.21918	12.3562	12.4477	6.6360	6.257	27.2849	2.8414	0.031446
410.	0.	1.21750	12.3562	12.4477	6.6286	6.283	27.2991	2.8616	0.031604
411.	0.	1.21704	12.3562	12.4477	6.6320	6.263	27.1967	2.8415	0.031543
412.	0.	1.21790	12.3563	12.4477	6.6425	6.270	27.1729	2.8014	0.031374
413.	0.	1.21503	12.3562	12.4477	6.6265	6.319	27.2397	2.8517	0.031701
414.	0.	1.21472	12.3562	12.4477	6.6307	6.310	27.1761	2.8316	0.031643
415.	0.	1.21412	12.3563	12.4477	6.6348	6.288	27.0679	2.8116	0.031585
416.	0.	1.21405	12.3563	12.4477	6.6425	6.275	26.9847	2.7815	0.031474
417.	0.	1.21265	12.3563	12.4477	6.6393	6.306	27.0193	2.7916	0.031592
418.	0.	1.21134	12.3562	12.4477	6.6335	6.363	27.1329	2.8118	0.031761
419.	0.	1.20912	12.3562	12.4477	6.6234	6.387	27.1432	2.8420	0.031976
420.	0.	1.20888	12.3562	12.4477	6.6325	6.321	26.9256	2.8018	0.031808
421.	0.	1.21025	12.3563	12.4477	6.6545	6.244	26.6685	2.7214	0.031409
422.	0.	1.20865	12.3563	12.4477	6.6575	6.227	26.5525	2.7114	0.031429
423.	0.	1.20610	12.3564	12.4477	6.6574	6.189	26.3736	2.7115	0.031510
424.	0.	1.20717	12.3564	12.4477	6.6820	6.127	26.1331	2.6311	0.031108
425.	0.	1.20522	12.3564	12.4477	6.6865	6.132	26.0582	2.6212	0.031160
426.	0.	1.20205	12.3564	12.4477	6.6817	6.160	26.0443	2.6414	0.031402
427.	0.	1.20025	12.3564	12.4477	6.6854	6.165	25.9696	2.6314	0.031447
428.	0.	1.19875	12.3565	12.4477	6.6920	6.158	25.8588	2.6114	0.031431
429.	0.	1.19710	12.3565	12.4477	6.6987	6.151	25.7385	2.5914	0.031420
430.	0.	1.19531	12.3565	12.4477	6.7056	6.143	25.6132	2.5714	0.031415
431.	0.	1.19338	12.3565	12.4477	6.7128	6.136	25.4845	2.5514	0.031417
432.	0.	1.19132	12.3566	12.4477	6.7202	6.131	25.3545	2.5314	0.031426
433.	0.	1.18922	12.3566	12.4477	6.7278	6.132	25.2374	2.5114	0.031442
434.	0.	1.18653	12.3566	12.4477	6.7321	6.136	25.1288	2.5015	0.031534
435.	0.	1.18418	12.3566	12.4477	6.7394	6.129	24.9895	2.4816	0.031559
436.	0.	1.18217	12.3567	12.4477	6.7503	6.118	24.8362	2.4515	0.031524
437.	0.	1.17947	12.3567	12.4477	6.7581	6.115	24.6947	2.4316	0.031572
438.	0.	1.17668	12.3567	12.4477	6.7659	6.117	24.5552	2.4116	0.031629
439.	0.	1.17382	12.3568	12.4477	6.7739	6.126	24.4300	2.3917	0.031695
440.	0.	1.17016	12.3568	12.4477	6.7784	6.130	24.2845	2.3818	0.031844
441.	0.	1.16782	12.3569	12.4477	6.7926	6.109	24.0590	2.3418	0.031770
442.	0.	1.16542	12.3570	12.4477	6.8104	6.074	23.7706	2.2916	0.031636
443.	0.	1.16309	12.3571	12.4477	6.8327	6.046	23.4784	2.2315	0.031453
444.	0.	1.15869	12.3571	12.4477	6.8471	6.065	23.3137	2.2016	0.031575
445.	0.	1.15134	12.3572	12.4477	6.8447	6.117	23.2519	2.2221	0.032143
446.	0.	1.14592	12.3572	12.4477	6.8514	6.132	23.1005	2.2124	0.032423
447.	0.	1.14249	12.3573	12.4477	6.8715	6.110	22.8333	2.1624	0.032363
448.	0.	1.13896	12.3575	12.4477	6.8956	6.080	22.5177	2.1023	0.032251
449.	0.	1.13395	12.3576	12.4477	6.9175	6.063	22.2146	2.0523	0.032293
450.	0.	1.12728	12.3577	12.4477	6.9366	6.028	21.8554	2.0125	0.032486
451.	0.	1.12264	12.3579	12.4477	6.9742	5.941	21.3102	1.9222	0.032226
452.	0.	1.11921	12.3582	12.4477	7.0293	5.875	20.7428	1.7916	0.031638
453.	0.	1.10552	12.3585	12.4477	7.0499	5.854	20.3085	1.7625	0.032514
454.	0.	1.09415	12.3589	12.4477	7.0845	5.809	19.7958	1.6930	0.032970
455.	0.	1.08271	12.3593	12.4477	7.1264	5.762	19.2413	1.6033	0.033340
456.	0.	1.06707	12.3598	12.4477	7.1607	5.732	18.7015	1.5343	0.034293
457.	0.	1.05034	12.3604	12.4477	7.1974	5.706	18.1229	1.4554	0.035353
458.	0.	1.03198	12.3611	12.4477	7.2352	5.683	17.5057	1.3666	0.036608
459.	0.	1.01045	12.3619	12.4477	7.2699	5.676	16.8828	1.2784	0.038351
460.	0.	0.98420	12.3627	12.4477	7.2969	5.611	16.1042	1.2008	0.040818
461.	0.	0.96441	12.3640	12.4477	7.3522	5.465	15.0174	1.0219	0.041879

462.	0.	0.93376	12.3659	12.4477	7.4147	5.195	14.0776	0.8451	0.045095
463.	0.	0.87576	12.3679	12.4477	7.4203	4.983	13.4374	0.7950	0.054990
464.	0.	0.81907	12.3699	12.4477	7.4247	4.797	12.9221	0.7448	0.064821
465.	0.	0.76252	12.3720	12.4477	7.4248	4.653	12.5250	0.7048	0.074784
466.	0.	0.70404	12.3737	12.4477	7.4128	4.598	12.1685	0.6850	0.085015
467.	0.	0.65822	12.3748	12.4477	7.3715	4.696	11.8095	0.6527	0.092745
468.	0.	0.61778	12.3755	12.4477	7.2967	4.991	11.7086	0.6296	0.099610
469.	0.	0.23946	15.4875	15.4936	11.0074	1.242	16.5271	0.1411	0.171064
470.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000
471.	0.	-9.00000	-9.0000	-9.0000	-9.0000	-999.000	-9.0000	-99.0000	-9.000000