

Theta [deg.] [deg.]	Phi [deg.] Abs(Phi ) [dB ]	Abs(Grlz) [dB ] Phase(Phi ) [deg.]	Abs(Theta) [dB ] Ax.Ratio [dB ]	Phase(Theta)
0.000	0.000	-1.987e+000	-2.253e+001	
339.445	-2.025e+000	279.273	2.176e+001	
1.000	0.000	-1.999e+000	-2.139e+001	
340.168	-2.049e+000	279.213	2.053e+001	
2.000	0.000	-2.061e+000	-2.037e+001	
340.824	-2.126e+000	279.055	1.938e+001	
3.000	0.000	-2.174e+000	-1.947e+001	
341.432	-2.255e+000	278.797	1.828e+001	
4.000	0.000	-2.335e+000	-1.868e+001	
342.005	-2.437e+000	278.434	1.725e+001	
5.000	0.000	-2.547e+000	-1.799e+001	
342.557	-2.673e+000	277.960	1.625e+001	
6.000	0.000	-2.808e+000	-1.740e+001	
343.096	-2.961e+000	277.369	1.530e+001	
7.000	0.000	-3.118e+000	-1.691e+001	
343.629	-3.304e+000	276.649	1.438e+001	
8.000	0.000	-3.478e+000	-1.650e+001	
344.164	-3.701e+000	275.789	1.350e+001	
9.000	0.000	-3.888e+000	-1.618e+001	
344.707	-4.152e+000	274.772	1.264e+001	
10.000	0.000	-4.346e+000	-1.594e+001	
345.264	-4.658e+000	273.581	1.181e+001	
11.000	0.000	-4.853e+000	-1.579e+001	
345.842	-5.218e+000	272.194	1.100e+001	
12.000	0.000	-5.409e+000	-1.572e+001	
346.447	-5.833e+000	270.585	1.021e+001	
13.000	0.000	-6.011e+000	-1.573e+001	
347.088	-6.502e+000	268.723	9.453e+000	
14.000	0.000	-6.660e+000	-1.582e+001	
347.773	-7.222e+000	266.574	8.732e+000	
15.000	0.000	-7.354e+000	-1.599e+001	
348.514	-7.992e+000	264.096	8.058e+000	
16.000	0.000	-8.089e+000	-1.625e+001	
349.325	-8.808e+000	261.248	7.453e+000	
17.000	0.000	-8.862e+000	-1.660e+001	
350.221	-9.662e+000	257.984	6.950e+000	
18.000	0.000	-9.668e+000	-1.704e+001	
351.227	-1.055e+001	254.261	6.598e+000	
19.000	0.000	-1.050e+001	-1.758e+001	
352.371	-1.145e+001	250.043	6.461e+000	
20.000	0.000	-1.136e+001	-1.823e+001	
353.693	-1.235e+001	245.315	6.611e+000	
21.000	0.000	-1.222e+001	-1.899e+001	
355.248	-1.325e+001	240.088	7.120e+000	
22.000	0.000	-1.308e+001	-1.988e+001	
357.116	-1.410e+001	234.415	8.045e+000	
23.000	0.000	-1.394e+001	-2.091e+001	
359.413	-1.491e+001	228.398	9.458e+000	
24.000	0.000	-1.477e+001	-2.211e+001	
2.318	-1.566e+001	222.181	1.149e+001	
25.000	0.000	-1.558e+001	-2.349e+001	
6.120	-1.634e+001	215.940	1.444e+001	
26.000	0.000	-1.635e+001	-2.509e+001	
11.292	-1.697e+001	209.851	1.921e+001	
27.000	0.000	-1.708e+001	-2.692e+001	
18.652	-1.755e+001	204.065	3.082e+001	
28.000	0.000	-1.777e+001	-2.893e+001	
29.573	-1.811e+001	198.689	2.597e+001	
29.000	0.000	-1.842e+001	-3.087e+001	
45.932	-1.868e+001	193.779	1.805e+001	

30.000	0.000	-1.905e+001	-3.208e+001
68.223	-1.927e+001	189.346	1.429e+001
31.000	0.000	-1.966e+001	-3.195e+001
91.765	-1.992e+001	185.364	1.205e+001
32.000	0.000	-2.024e+001	-3.081e+001
110.346	-2.064e+001	181.781	1.072e+001
33.000	0.000	-2.081e+001	-2.942e+001
122.982	-2.146e+001	178.529	1.012e+001
34.000	0.000	-2.137e+001	-2.817e+001
131.453	-2.239e+001	175.522	1.017e+001
35.000	0.000	-2.191e+001	-2.714e+001
137.360	-2.346e+001	172.655	1.086e+001
36.000	0.000	-2.243e+001	-2.635e+001
141.690	-2.469e+001	169.794	1.221e+001
37.000	0.000	-2.293e+001	-2.577e+001
145.018	-2.612e+001	166.751	1.434e+001
38.000	0.000	-2.341e+001	-2.538e+001
147.693	-2.778e+001	163.236	1.764e+001
39.000	0.000	-2.386e+001	-2.516e+001
149.931	-2.972e+001	158.765	2.340e+001
40.000	0.000	-2.429e+001	-2.510e+001
151.881	-3.200e+001	152.441	4.000e+001
41.000	0.000	-2.472e+001	-2.519e+001
153.646	-3.463e+001	142.526	2.464e+001
42.000	0.000	-2.516e+001	-2.543e+001
155.313	-3.738e+001	125.920	1.855e+001
43.000	0.000	-2.563e+001	-2.582e+001
156.956	-3.928e+001	100.448	1.515e+001
44.000	0.000	-2.616e+001	-2.638e+001
158.656	-3.916e+001	73.792	1.281e+001
45.000	0.000	-2.677e+001	-2.712e+001
160.509	-3.782e+001	56.224	1.102e+001
46.000	0.000	-2.748e+001	-2.807e+001
162.654	-3.647e+001	47.274	9.533e+000
47.000	0.000	-2.834e+001	-2.928e+001
165.309	-3.546e+001	43.727	8.234e+000
48.000	0.000	-2.935e+001	-3.081e+001
168.870	-3.482e+001	43.754	7.119e+000
49.000	0.000	-3.053e+001	-3.278e+001
174.152	-3.447e+001	46.605	6.414e+000
50.000	0.000	-3.180e+001	-3.535e+001
183.080	-3.432e+001	52.095	6.914e+000
51.000	0.000	-3.289e+001	-3.860e+001
200.872	-3.425e+001	60.256	1.023e+001
52.000	0.000	-3.330e+001	-4.112e+001
237.830	-3.408e+001	70.966	2.141e+001
53.000	0.000	-3.260e+001	-3.933e+001
279.424	-3.363e+001	83.523	1.891e+001
54.000	0.000	-3.105e+001	-3.586e+001
301.005	-3.279e+001	96.546	1.386e+001
55.000	0.000	-2.922e+001	-3.297e+001
311.331	-3.160e+001	108.563	1.404e+001
56.000	0.000	-2.743e+001	-3.071e+001
317.083	-3.020e+001	118.744	1.586e+001
57.000	0.000	-2.581e+001	-2.891e+001
320.714	-2.874e+001	126.991	1.839e+001
58.000	0.000	-2.436e+001	-2.743e+001
323.214	-2.731e+001	133.586	2.149e+001
59.000	0.000	-2.307e+001	-2.620e+001
325.044	-2.597e+001	138.898	2.541e+001
60.000	0.000	-2.192e+001	-2.515e+001
326.445	-2.472e+001	143.249	3.110e+001
61.000	0.000	-2.089e+001	-2.426e+001
327.553	-2.358e+001	146.887	4.000e+001

62.000	0.000	-1.997e+001	-2.348e+001
328.451	-2.254e+001	149.995	3.746e+001
63.000	0.000	-1.914e+001	-2.280e+001
329.194	-2.159e+001	152.707	3.035e+001
64.000	0.000	-1.839e+001	-2.221e+001
329.817	-2.073e+001	155.117	2.682e+001
65.000	0.000	-1.771e+001	-2.169e+001
330.346	-1.994e+001	157.297	2.451e+001
66.000	0.000	-1.710e+001	-2.123e+001
330.799	-1.922e+001	159.299	2.281e+001
67.000	0.000	-1.654e+001	-2.083e+001
331.189	-1.856e+001	161.161	2.148e+001
68.000	0.000	-1.603e+001	-2.048e+001
331.526	-1.796e+001	162.914	2.039e+001
69.000	0.000	-1.556e+001	-2.017e+001
331.819	-1.741e+001	164.578	1.947e+001
70.000	0.000	-1.514e+001	-1.989e+001
332.072	-1.691e+001	166.170	1.867e+001
71.000	0.000	-1.475e+001	-1.965e+001
332.291	-1.645e+001	167.705	1.797e+001
72.000	0.000	-1.440e+001	-1.945e+001
332.479	-1.603e+001	169.192	1.734e+001
73.000	0.000	-1.408e+001	-1.927e+001
332.640	-1.565e+001	170.637	1.677e+001
74.000	0.000	-1.379e+001	-1.911e+001
332.777	-1.530e+001	172.047	1.626e+001
75.000	0.000	-1.352e+001	-1.898e+001
332.891	-1.498e+001	173.426	1.578e+001
76.000	0.000	-1.328e+001	-1.887e+001
332.984	-1.469e+001	174.776	1.535e+001
77.000	0.000	-1.307e+001	-1.878e+001
333.058	-1.442e+001	176.099	1.494e+001
78.000	0.000	-1.287e+001	-1.870e+001
333.114	-1.418e+001	177.396	1.457e+001
79.000	0.000	-1.269e+001	-1.864e+001
333.153	-1.396e+001	178.665	1.422e+001
80.000	0.000	-1.253e+001	-1.860e+001
333.177	-1.377e+001	179.907	1.389e+001
81.000	0.000	-1.239e+001	-1.856e+001
333.185	-1.359e+001	181.120	1.359e+001
82.000	0.000	-1.227e+001	-1.855e+001
333.180	-1.344e+001	182.301	1.330e+001
83.000	0.000	-1.216e+001	-1.854e+001
333.161	-1.330e+001	183.447	1.304e+001
84.000	0.000	-1.207e+001	-1.854e+001
333.130	-1.318e+001	184.555	1.279e+001
85.000	0.000	-1.199e+001	-1.855e+001
333.087	-1.308e+001	185.619	1.256e+001
86.000	0.000	-1.193e+001	-1.858e+001
333.031	-1.299e+001	186.635	1.235e+001
87.000	0.000	-1.189e+001	-1.861e+001
332.965	-1.293e+001	187.597	1.215e+001
88.000	0.000	-1.186e+001	-1.865e+001
332.887	-1.288e+001	188.497	1.197e+001
89.000	0.000	-1.185e+001	-1.870e+001
332.799	-1.285e+001	189.328	1.181e+001
90.000	0.000	-1.185e+001	-1.876e+001
332.700	-1.284e+001	190.079	1.166e+001
91.000	0.000	-1.187e+001	-1.883e+001
332.590	-1.284e+001	190.740	1.153e+001
92.000	0.000	-1.191e+001	-1.891e+001
332.469	-1.287e+001	191.298	1.142e+001
93.000	0.000	-1.196e+001	-1.900e+001
332.337	-1.292e+001	191.737	1.133e+001

94.000	0.000	-1.204e+001	-1.911e+001
332.192	-1.299e+001	192.039	1.126e+001
95.000	0.000	-1.214e+001	-1.922e+001
332.035	-1.308e+001	192.183	1.121e+001
96.000	0.000	-1.225e+001	-1.935e+001
331.865	-1.320e+001	192.143	1.119e+001
97.000	0.000	-1.240e+001	-1.950e+001
331.679	-1.334e+001	191.888	1.121e+001
98.000	0.000	-1.257e+001	-1.966e+001
331.476	-1.351e+001	191.379	1.127e+001
99.000	0.000	-1.276e+001	-1.984e+001
331.255	-1.371e+001	190.571	1.138e+001
100.000	0.000	-1.298e+001	-2.004e+001
331.012	-1.393e+001	189.406	1.156e+001
101.000	0.000	-1.323e+001	-2.026e+001
330.743	-1.419e+001	187.818	1.184e+001
102.000	0.000	-1.350e+001	-2.052e+001
330.445	-1.446e+001	185.725	1.224e+001
103.000	0.000	-1.379e+001	-2.080e+001
330.112	-1.475e+001	183.032	1.283e+001
104.000	0.000	-1.408e+001	-2.111e+001
329.737	-1.504e+001	179.637	1.367e+001
105.000	0.000	-1.437e+001	-2.147e+001
329.312	-1.532e+001	175.437	1.488e+001
106.000	0.000	-1.464e+001	-2.187e+001
328.824	-1.555e+001	170.355	1.666e+001
107.000	0.000	-1.484e+001	-2.232e+001
328.258	-1.569e+001	164.375	1.937e+001
108.000	0.000	-1.494e+001	-2.283e+001
327.593	-1.571e+001	157.586	2.384e+001
109.000	0.000	-1.490e+001	-2.342e+001
326.802	-1.555e+001	150.218	3.367e+001
110.000	0.000	-1.468e+001	-2.409e+001
325.842	-1.520e+001	142.631	3.497e+001
111.000	0.000	-1.426e+001	-2.487e+001
324.653	-1.466e+001	135.231	2.670e+001
112.000	0.000	-1.367e+001	-2.577e+001
323.143	-1.395e+001	128.376	2.422e+001
113.000	0.000	-1.293e+001	-2.684e+001
321.163	-1.311e+001	122.292	2.386e+001
114.000	0.000	-1.208e+001	-2.811e+001
318.459	-1.219e+001	117.065	2.487e+001
115.000	0.000	-1.117e+001	-2.966e+001
314.561	-1.123e+001	112.679	2.711e+001
116.000	0.000	-1.023e+001	-3.158e+001
308.521	-1.027e+001	109.053	3.091e+001
117.000	0.000	-9.294e+000	-3.394e+001
298.238	-9.309e+000	106.088	3.820e+001
118.000	0.000	-8.370e+000	-3.660e+001
279.011	-8.377e+000	103.680	4.000e+001
119.000	0.000	-7.474e+000	-3.809e+001
245.815	-7.477e+000	101.736	3.525e+001
120.000	0.000	-6.610e+000	-3.645e+001
212.153	-6.615e+000	100.176	3.050e+001
121.000	0.000	-5.784e+000	-3.355e+001
192.403	-5.792e+000	98.932	2.777e+001
122.000	0.000	-4.998e+000	-3.092e+001
181.839	-5.009e+000	97.950	2.596e+001
123.000	0.000	-4.252e+000	-2.874e+001
175.630	-4.268e+000	97.185	2.466e+001
124.000	0.000	-3.548e+000	-2.695e+001
171.602	-3.568e+000	96.599	2.369e+001
125.000	0.000	-2.884e+000	-2.545e+001
168.778	-2.908e+000	96.163	2.295e+001

126.000	0.000	-2.262e+000	-2.416e+001
166.674	-2.290e+000	95.852	2.238e+001
127.000	0.000	-1.680e+000	-2.306e+001
165.029	-1.712e+000	95.645	2.193e+001
128.000	0.000	-1.140e+000	-2.211e+001
163.690	-1.174e+000	95.525	2.159e+001
129.000	0.000	-6.400e-001	-2.128e+001
162.561	-6.776e-001	95.478	2.133e+001
130.000	0.000	-1.821e-001	-2.057e+001
161.577	-2.220e-001	95.492	2.114e+001
131.000	0.000	2.336e-001	-1.995e+001
160.695	1.918e-001	95.556	2.100e+001
132.000	0.000	6.063e-001	-1.943e+001
159.881	5.630e-001	95.662	2.092e+001
133.000	0.000	9.346e-001	-1.899e+001
159.112	8.902e-001	95.802	2.088e+001
134.000	0.000	1.217e+000	-1.863e+001
158.365	1.172e+000	95.969	2.087e+001
135.000	0.000	1.452e+000	-1.836e+001
157.623	1.406e+000	96.156	2.091e+001
136.000	0.000	1.636e+000	-1.816e+001
156.868	1.590e+000	96.358	2.098e+001
137.000	0.000	1.767e+000	-1.804e+001
156.083	1.722e+000	96.569	2.108e+001
138.000	0.000	1.841e+000	-1.801e+001
155.250	1.796e+000	96.784	2.121e+001
139.000	0.000	1.853e+000	-1.805e+001
154.346	1.809e+000	96.996	2.138e+001
140.000	0.000	1.798e+000	-1.819e+001
153.346	1.754e+000	97.199	2.159e+001
141.000	0.000	1.667e+000	-1.843e+001
152.216	1.624e+000	97.387	2.183e+001
142.000	0.000	1.451e+000	-1.877e+001
150.911	1.409e+000	97.549	2.212e+001
143.000	0.000	1.138e+000	-1.923e+001
149.371	1.098e+000	97.675	2.246e+001
144.000	0.000	7.117e-001	-1.982e+001
147.504	6.731e-001	97.749	2.287e+001
145.000	0.000	1.489e-001	-2.056e+001
145.178	1.119e-001	97.747	2.336e+001
146.000	0.000	-5.822e-001	-2.148e+001
142.181	-6.177e-001	97.634	2.398e+001
147.000	0.000	-1.529e+000	-2.261e+001
138.166	-1.563e+000	97.350	2.478e+001
148.000	0.000	-2.767e+000	-2.399e+001
132.528	-2.800e+000	96.785	2.590e+001
149.000	0.000	-4.424e+000	-2.562e+001
124.179	-4.457e+000	95.713	2.765e+001
150.000	0.000	-6.742e+000	-2.744e+001
111.218	-6.779e+000	93.577	3.110e+001
151.000	0.000	-1.027e+001	-2.900e+001
91.277	-1.033e+001	88.559	4.000e+001
152.000	0.000	-1.651e+001	-2.934e+001
65.482	-1.674e+001	70.191	3.478e+001
153.000	0.000	-1.891e+001	-2.811e+001
41.909	-1.947e+001	335.272	9.590e+000
154.000	0.000	-1.086e+001	-2.617e+001
25.605	-1.099e+001	301.965	1.524e+001
155.000	0.000	-6.074e+000	-2.426e+001
15.164	-6.141e+000	294.926	1.825e+001
156.000	0.000	-2.805e+000	-2.260e+001
8.268	-2.851e+000	292.169	2.001e+001
157.000	0.000	-3.171e-001	-2.120e+001
3.450	-3.526e-001	290.800	2.126e+001

158.000	0.000	1.696e+000	-2.004e+001
359.897	1.666e+000	290.044	2.227e+001
159.000	0.000	3.385e+000	-1.909e+001
357.147	3.361e+000	289.610	2.315e+001
160.000	0.000	4.839e+000	-1.832e+001
354.927	4.818e+000	289.363	2.396e+001
161.000	0.000	6.111e+000	-1.771e+001
353.064	6.093e+000	289.231	2.475e+001
162.000	0.000	7.236e+000	-1.725e+001
351.445	7.221e+000	289.175	2.553e+001
163.000	0.000	8.240e+000	-1.692e+001
349.988	8.227e+000	289.168	2.633e+001
164.000	0.000	9.141e+000	-1.672e+001
348.632	9.130e+000	289.195	2.715e+001
165.000	0.000	9.952e+000	-1.665e+001
347.325	9.943e+000	289.244	2.802e+001
166.000	0.000	1.068e+001	-1.671e+001
346.019	1.068e+001	289.308	2.894e+001
167.000	0.000	1.134e+001	-1.690e+001
344.668	1.134e+001	289.381	2.994e+001
168.000	0.000	1.194e+001	-1.723e+001
343.213	1.193e+001	289.459	3.104e+001
169.000	0.000	1.247e+001	-1.772e+001
341.585	1.247e+001	289.538	3.226e+001
170.000	0.000	1.295e+001	-1.838e+001
339.683	1.295e+001	289.616	3.364e+001
171.000	0.000	1.337e+001	-1.925e+001
337.354	1.337e+001	289.691	3.524e+001
172.000	0.000	1.375e+001	-2.034e+001
334.349	1.374e+001	289.762	3.716e+001
173.000	0.000	1.407e+001	-2.174e+001
330.227	1.407e+001	289.827	3.957e+001
174.000	0.000	1.435e+001	-2.349e+001
324.131	1.435e+001	289.886	4.000e+001
175.000	0.000	1.459e+001	-2.567e+001
314.268	1.458e+001	289.936	4.000e+001
176.000	0.000	1.478e+001	-2.815e+001
296.865	1.478e+001	289.979	4.000e+001
177.000	0.000	1.492e+001	-2.985e+001
267.481	1.492e+001	290.013	4.000e+001
178.000	0.000	1.503e+001	-2.895e+001
234.645	1.503e+001	290.039	4.000e+001
179.000	0.000	1.509e+001	-2.650e+001
213.015	1.509e+001	290.055	4.000e+001
180.000	0.000	1.511e+001	-2.410e+001
200.955	1.511e+001	290.062	3.921e+001
-179.000	0.000	1.509e+001	-2.213e+001
193.828	1.509e+001	290.059	3.727e+001
-178.000	0.000	1.503e+001	-2.055e+001
189.233	1.503e+001	290.047	3.574e+001
-177.000	0.000	1.493e+001	-1.929e+001
186.050	1.493e+001	290.026	3.448e+001
-176.000	0.000	1.478e+001	-1.828e+001
183.721	1.478e+001	289.995	3.342e+001
-175.000	0.000	1.459e+001	-1.749e+001
181.942	1.459e+001	289.956	3.252e+001
-174.000	0.000	1.436e+001	-1.688e+001
180.538	1.436e+001	289.908	3.174e+001
-173.000	0.000	1.408e+001	-1.643e+001
179.399	1.408e+001	289.852	3.107e+001
-172.000	0.000	1.376e+001	-1.613e+001
178.455	1.375e+001	289.789	3.050e+001
-171.000	0.000	1.338e+001	-1.596e+001
177.656	1.338e+001	289.720	3.000e+001

-170.000	0.000	1.296e+001	-1.592e+001
176.967	1.295e+001	289.644	2.957e+001
-169.000	0.000	1.248e+001	-1.601e+001
176.364	1.247e+001	289.565	2.922e+001
-168.000	0.000	1.194e+001	-1.623e+001
175.825	1.194e+001	289.483	2.893e+001
-167.000	0.000	1.135e+001	-1.658e+001
175.334	1.134e+001	289.401	2.871e+001
-166.000	0.000	1.068e+001	-1.708e+001
174.875	1.068e+001	289.321	2.857e+001
-165.000	0.000	9.949e+000	-1.773e+001
174.431	9.942e+000	289.247	2.851e+001
-164.000	0.000	9.133e+000	-1.856e+001
173.986	9.125e+000	289.183	2.855e+001
-163.000	0.000	8.224e+000	-1.960e+001
173.512	8.217e+000	289.137	2.872e+001
-162.000	0.000	7.211e+000	-2.090e+001
172.973	7.204e+000	289.118	2.905e+001
-161.000	0.000	6.073e+000	-2.255e+001
172.298	6.067e+000	289.140	2.961e+001
-160.000	0.000	4.785e+000	-2.470e+001
171.342	4.780e+000	289.224	3.055e+001
-159.000	0.000	3.308e+000	-2.765e+001
169.729	3.305e+000	289.407	3.218e+001
-158.000	0.000	1.586e+000	-3.219e+001
166.057	1.584e+000	289.749	3.538e+001
-157.000	0.000	-4.746e-001	-4.169e+001
147.798	-4.749e-001	290.369	4.000e+001
-156.000	0.000	-3.041e+000	-4.001e+001
16.546	-3.042e+000	291.533	3.700e+001
-155.000	0.000	-6.452e+000	-3.184e+001
2.973	-6.465e+000	293.964	2.597e+001
-154.000	0.000	-1.156e+001	-2.780e+001
359.825	-1.166e+001	300.572	1.750e+001
-153.000	0.000	-2.002e+001	-2.519e+001
358.460	-2.159e+001	340.103	1.659e+001
-152.000	0.000	-1.532e+001	-2.334e+001
357.727	-1.606e+001	79.240	7.415e+000
-151.000	0.000	-9.538e+000	-2.195e+001
357.296	-9.795e+000	92.459	1.219e+001
-150.000	0.000	-6.212e+000	-2.089e+001
357.041	-6.362e+000	96.170	1.464e+001
-149.000	0.000	-3.996e+000	-2.007e+001
356.901	-4.105e+000	97.754	1.613e+001
-148.000	0.000	-2.400e+000	-1.946e+001
356.845	-2.487e+000	98.534	1.716e+001
-147.000	0.000	-1.202e+000	-1.901e+001
356.856	-1.275e+000	98.925	1.794e+001
-146.000	0.000	-2.822e-001	-1.871e+001
356.925	-3.451e-001	99.098	1.856e+001
-145.000	0.000	4.290e-001	-1.853e+001
357.047	3.735e-001	99.137	1.911e+001
-144.000	0.000	9.770e-001	-1.848e+001
357.220	9.274e-001	99.091	1.960e+001
-143.000	0.000	1.392e+000	-1.853e+001
357.447	1.348e+000	98.986	2.006e+001
-142.000	0.000	1.697e+000	-1.870e+001
357.731	1.657e+000	98.840	2.052e+001
-141.000	0.000	1.906e+000	-1.898e+001
358.079	1.870e+000	98.668	2.100e+001
-140.000	0.000	2.032e+000	-1.936e+001
358.501	2.000e+000	98.478	2.150e+001
-139.000	0.000	2.085e+000	-1.986e+001
359.011	2.057e+000	98.278	2.204e+001

-138.000	0.000	2.071e+000	-2.049e+001
359.632	2.047e+000	98.074	2.263e+001
-137.000	0.000	1.997e+000	-2.126e+001
0.396	1.976e+000	97.871	2.331e+001
-136.000	0.000	1.867e+000	-2.218e+001
1.354	1.849e+000	97.676	2.409e+001
-135.000	0.000	1.684e+000	-2.330e+001
2.586	1.671e+000	97.492	2.500e+001
-134.000	0.000	1.453e+000	-2.464e+001
4.230	1.443e+000	97.326	2.610e+001
-133.000	0.000	1.176e+000	-2.630e+001
6.543	1.168e+000	97.183	2.747e+001
-132.000	0.000	8.546e-001	-2.838e+001
10.058	8.494e-001	97.068	2.924e+001
-131.000	0.000	4.907e-001	-3.109e+001
16.059	4.877e-001	96.989	3.168e+001
-130.000	0.000	8.598e-002	-3.477e+001
28.407	8.456e-002	96.953	3.548e+001
-129.000	0.000	-3.584e-001	-3.922e+001
60.655	-3.590e-001	96.967	4.000e+001
-128.000	0.000	-8.415e-001	-3.879e+001
116.751	-8.422e-001	97.043	4.000e+001
-127.000	0.000	-1.362e+000	-3.448e+001
144.941	-1.364e+000	97.190	3.573e+001
-126.000	0.000	-1.920e+000	-3.111e+001
156.061	-1.925e+000	97.423	3.056e+001
-125.000	0.000	-2.514e+000	-2.867e+001
161.706	-2.525e+000	97.757	2.708e+001
-124.000	0.000	-3.143e+000	-2.681e+001
165.159	-3.162e+000	98.212	2.437e+001
-123.000	0.000	-3.807e+000	-2.534e+001
167.547	-3.837e+000	98.808	2.212e+001
-122.000	0.000	-4.503e+000	-2.415e+001
169.351	-4.551e+000	99.573	2.017e+001
-121.000	0.000	-5.231e+000	-2.317e+001
170.805	-5.301e+000	100.539	1.841e+001
-120.000	0.000	-5.987e+000	-2.236e+001
172.039	-6.089e+000	101.745	1.681e+001
-119.000	0.000	-6.768e+000	-2.167e+001
173.129	-6.911e+000	103.237	1.534e+001
-118.000	0.000	-7.568e+000	-2.109e+001
174.125	-7.766e+000	105.071	1.397e+001
-117.000	0.000	-8.379e+000	-2.060e+001
175.059	-8.648e+000	107.311	1.271e+001
-116.000	0.000	-9.191e+000	-2.019e+001
175.953	-9.551e+000	110.031	1.156e+001
-115.000	0.000	-9.989e+000	-1.984e+001
176.824	-1.046e+001	113.309	1.055e+001
-114.000	0.000	-1.075e+001	-1.955e+001
177.685	-1.137e+001	117.223	9.742e+000
-113.000	0.000	-1.147e+001	-1.931e+001
178.545	-1.225e+001	121.835	9.193e+000
-112.000	0.000	-1.210e+001	-1.912e+001
179.411	-1.306e+001	127.164	8.986e+000
-111.000	0.000	-1.263e+001	-1.896e+001
180.291	-1.378e+001	133.164	9.192e+000
-110.000	0.000	-1.305e+001	-1.884e+001
181.188	-1.438e+001	139.690	9.839e+000
-109.000	0.000	-1.334e+001	-1.876e+001
182.108	-1.482e+001	146.502	1.091e+001
-108.000	0.000	-1.352e+001	-1.870e+001
183.055	-1.509e+001	153.293	1.234e+001
-107.000	0.000	-1.359e+001	-1.867e+001
184.031	-1.520e+001	159.757	1.408e+001



-106.000	0.000	-1.357e+001	-1.866e+001
185.039	-1.519e+001	165.653	1.606e+001
-105.000	0.000	-1.350e+001	-1.867e+001
186.083	-1.508e+001	170.839	1.822e+001
-104.000	0.000	-1.338e+001	-1.869e+001
187.163	-1.490e+001	175.266	2.046e+001
-103.000	0.000	-1.324e+001	-1.874e+001
188.282	-1.469e+001	178.956	2.269e+001
-102.000	0.000	-1.310e+001	-1.879e+001
189.442	-1.446e+001	181.969	2.475e+001
-101.000	0.000	-1.295e+001	-1.886e+001
190.644	-1.424e+001	184.385	2.643e+001
-100.000	0.000	-1.281e+001	-1.894e+001
191.887	-1.402e+001	186.282	2.753e+001
-99.000	0.000	-1.268e+001	-1.903e+001
193.174	-1.383e+001	187.735	2.794e+001
-98.000	0.000	-1.257e+001	-1.912e+001
194.504	-1.366e+001	188.809	2.769e+001
-97.000	0.000	-1.247e+001	-1.922e+001
195.877	-1.351e+001	189.561	2.693e+001
-96.000	0.000	-1.240e+001	-1.932e+001
197.293	-1.338e+001	190.036	2.586e+001
-95.000	0.000	-1.233e+001	-1.942e+001
198.750	-1.328e+001	190.276	2.463e+001
-94.000	0.000	-1.229e+001	-1.952e+001
200.247	-1.320e+001	190.313	2.337e+001
-93.000	0.000	-1.226e+001	-1.962e+001
201.784	-1.314e+001	190.174	2.211e+001
-92.000	0.000	-1.225e+001	-1.972e+001
203.358	-1.311e+001	189.884	2.091e+001
-91.000	0.000	-1.225e+001	-1.982e+001
204.968	-1.309e+001	189.461	1.977e+001
-90.000	0.000	-1.227e+001	-1.991e+001
206.611	-1.309e+001	188.923	1.869e+001
-89.000	0.000	-1.231e+001	-1.999e+001
208.285	-1.312e+001	188.283	1.767e+001
-88.000	0.000	-1.235e+001	-2.007e+001
209.989	-1.316e+001	187.554	1.671e+001
-87.000	0.000	-1.241e+001	-2.014e+001
211.719	-1.322e+001	186.745	1.579e+001
-86.000	0.000	-1.249e+001	-2.021e+001
213.475	-1.329e+001	185.867	1.493e+001
-85.000	0.000	-1.258e+001	-2.026e+001
215.255	-1.339e+001	184.926	1.410e+001
-84.000	0.000	-1.268e+001	-2.031e+001
217.058	-1.350e+001	183.930	1.330e+001
-83.000	0.000	-1.280e+001	-2.035e+001
218.883	-1.363e+001	182.883	1.253e+001
-82.000	0.000	-1.292e+001	-2.038e+001
220.730	-1.379e+001	181.791	1.179e+001
-81.000	0.000	-1.307e+001	-2.039e+001
222.599	-1.396e+001	180.657	1.106e+001
-80.000	0.000	-1.322e+001	-2.040e+001
224.493	-1.415e+001	179.486	1.035e+001
-79.000	0.000	-1.339e+001	-2.041e+001
226.411	-1.436e+001	178.278	9.640e+000
-78.000	0.000	-1.358e+001	-2.040e+001
228.357	-1.459e+001	177.036	8.937e+000
-77.000	0.000	-1.378e+001	-2.038e+001
230.334	-1.485e+001	175.761	8.235e+000
-76.000	0.000	-1.399e+001	-2.035e+001
232.346	-1.513e+001	174.452	7.528e+000
-75.000	0.000	-1.422e+001	-2.031e+001
234.395	-1.545e+001	173.108	6.812e+000

-74.000	0.000	-1.446e+001	-2.026e+001
236.486	-1.579e+001	171.727	6.082e+000
-73.000	0.000	-1.472e+001	-2.020e+001
238.623	-1.616e+001	170.306	5.334e+000
-72.000	0.000	-1.499e+001	-2.013e+001
240.810	-1.657e+001	168.838	4.562e+000
-71.000	0.000	-1.527e+001	-2.005e+001
243.050	-1.702e+001	167.317	3.762e+000
-70.000	0.000	-1.556e+001	-1.996e+001
245.348	-1.751e+001	165.732	2.926e+000
-69.000	0.000	-1.585e+001	-1.986e+001
247.705	-1.805e+001	164.071	2.053e+000
-68.000	0.000	-1.614e+001	-1.974e+001
250.122	-1.864e+001	162.316	1.153e+000
-67.000	0.000	-1.643e+001	-1.961e+001
252.599	-1.928e+001	160.444	4.649e-001
-66.000	0.000	-1.671e+001	-1.947e+001
255.135	-1.999e+001	158.423	1.145e+000
-65.000	0.000	-1.697e+001	-1.931e+001
257.727	-2.076e+001	156.214	2.285e+000
-64.000	0.000	-1.720e+001	-1.914e+001
260.368	-2.162e+001	153.759	3.580e+000
-63.000	0.000	-1.738e+001	-1.896e+001
263.053	-2.255e+001	150.983	5.038e+000
-62.000	0.000	-1.752e+001	-1.875e+001
265.773	-2.358e+001	147.779	6.695e+000
-61.000	0.000	-1.760e+001	-1.854e+001
268.517	-2.471e+001	144.002	8.615e+000
-60.000	0.000	-1.762e+001	-1.830e+001
271.274	-2.595e+001	139.443	1.090e+001
-59.000	0.000	-1.757e+001	-1.806e+001
274.031	-2.728e+001	133.817	1.372e+001
-58.000	0.000	-1.746e+001	-1.780e+001
276.776	-2.869e+001	126.751	1.745e+001
-57.000	0.000	-1.729e+001	-1.753e+001
279.495	-3.012e+001	117.819	2.307e+001
-56.000	0.000	-1.708e+001	-1.724e+001
282.176	-3.144e+001	106.716	3.655e+001
-55.000	0.000	-1.683e+001	-1.695e+001
284.806	-3.249e+001	93.650	3.004e+001
-54.000	0.000	-1.656e+001	-1.665e+001
287.375	-3.311e+001	79.730	2.328e+001
-53.000	0.000	-1.626e+001	-1.635e+001
289.873	-3.328e+001	66.668	2.031e+001
-52.000	0.000	-1.596e+001	-1.605e+001
292.294	-3.315e+001	55.806	1.874e+001
-51.000	0.000	-1.566e+001	-1.574e+001
294.629	-3.294e+001	47.601	1.793e+001
-50.000	0.000	-1.537e+001	-1.545e+001
296.876	-3.279e+001	41.922	1.765e+001
-49.000	0.000	-1.508e+001	-1.515e+001
299.031	-3.280e+001	38.504	1.777e+001
-48.000	0.000	-1.481e+001	-1.487e+001
301.093	-3.305e+001	37.213	1.823e+001
-47.000	0.000	-1.455e+001	-1.460e+001
303.060	-3.357e+001	38.187	1.901e+001
-46.000	0.000	-1.431e+001	-1.435e+001
304.935	-3.440e+001	41.993	2.012e+001
-45.000	0.000	-1.408e+001	-1.411e+001
306.718	-3.551e+001	49.877	2.163e+001
-44.000	0.000	-1.387e+001	-1.389e+001
308.412	-3.668e+001	63.916	2.369e+001
-43.000	0.000	-1.368e+001	-1.370e+001
310.020	-3.723e+001	85.360	2.662e+001

-42.000	0.000	-1.350e+001	-1.352e+001
311.545	-3.631e+001	109.531	3.135e+001
-41.000	0.000	-1.334e+001	-1.338e+001
312.990	-3.421e+001	128.645	4.000e+001
-40.000	0.000	-1.320e+001	-1.326e+001
314.359	-3.185e+001	141.268	3.711e+001
-39.000	0.000	-1.308e+001	-1.318e+001
315.656	-2.968e+001	149.567	2.906e+001
-38.000	0.000	-1.298e+001	-1.312e+001
316.883	-2.778e+001	155.407	2.488e+001
-37.000	0.000	-1.289e+001	-1.311e+001
318.045	-2.614e+001	159.887	2.199e+001
-36.000	0.000	-1.283e+001	-1.313e+001
319.145	-2.473e+001	163.636	1.974e+001
-35.000	0.000	-1.280e+001	-1.318e+001
320.185	-2.351e+001	167.030	1.786e+001
-34.000	0.000	-1.279e+001	-1.329e+001
321.169	-2.246e+001	170.315	1.621e+001
-33.000	0.000	-1.281e+001	-1.343e+001
322.100	-2.155e+001	173.664	1.470e+001
-32.000	0.000	-1.286e+001	-1.362e+001
322.978	-2.076e+001	177.209	1.327e+001
-31.000	0.000	-1.293e+001	-1.387e+001
323.808	-2.007e+001	181.060	1.189e+001
-30.000	0.000	-1.304e+001	-1.416e+001
324.589	-1.946e+001	185.307	1.052e+001
-29.000	0.000	-1.316e+001	-1.451e+001
325.324	-1.890e+001	190.019	9.144e+000
-28.000	0.000	-1.330e+001	-1.492e+001
326.012	-1.837e+001	195.238	7.758e+000
-27.000	0.000	-1.344e+001	-1.540e+001
326.655	-1.785e+001	200.964	6.364e+000
-26.000	0.000	-1.355e+001	-1.594e+001
327.252	-1.730e+001	207.147	4.997e+000
-25.000	0.000	-1.361e+001	-1.655e+001
327.800	-1.669e+001	213.670	3.774e+000
-24.000	0.000	-1.358e+001	-1.724e+001
328.298	-1.602e+001	220.362	3.031e+000
-23.000	0.000	-1.342e+001	-1.802e+001
328.742	-1.527e+001	227.019	3.296e+000
-22.000	0.000	-1.311e+001	-1.888e+001
329.126	-1.445e+001	233.440	4.528e+000
-21.000	0.000	-1.265e+001	-1.985e+001
329.441	-1.356e+001	239.458	6.284e+000
-20.000	0.000	-1.204e+001	-2.092e+001
329.677	-1.264e+001	244.962	8.323e+000
-19.000	0.000	-1.133e+001	-2.210e+001
329.817	-1.171e+001	249.902	1.055e+001
-18.000	0.000	-1.054e+001	-2.340e+001
329.840	-1.077e+001	254.273	1.294e+001
-17.000	0.000	-9.721e+000	-2.482e+001
329.717	-9.857e+000	258.101	1.545e+001
-16.000	0.000	-8.898e+000	-2.637e+001
329.411	-8.976e+000	261.433	1.808e+001
-15.000	0.000	-8.093e+000	-2.804e+001
328.881	-8.137e+000	264.322	2.080e+001
-14.000	0.000	-7.321e+000	-2.978e+001
328.091	-7.346e+000	266.819	2.358e+001
-13.000	0.000	-6.593e+000	-3.153e+001
327.047	-6.607e+000	268.974	2.635e+001
-12.000	0.000	-5.915e+000	-3.316e+001
325.862	-5.923e+000	270.832	2.897e+001
-11.000	0.000	-5.289e+000	-3.448e+001
324.847	-5.294e+000	272.430	3.121e+001

-10.000	0.000	-4.718e+000	-3.526e+001
324.499	-4.722e+000	273.801	3.276e+001
-9.000	0.000	-4.203e+000	-3.532e+001
325.227	-4.206e+000	274.973	3.340e+001
-8.000	0.000	-3.742e+000	-3.465e+001
326.973	-3.746e+000	275.969	3.310e+001
-7.000	0.000	-3.337e+000	-3.341e+001
329.243	-3.342e+000	276.808	3.209e+001
-6.000	0.000	-2.987e+000	-3.182e+001
331.519	-2.992e+000	277.506	3.067e+001
-5.000	0.000	-2.689e+000	-3.010e+001
333.523	-2.697e+000	278.074	2.909e+001
-4.000	0.000	-2.445e+000	-2.837e+001
335.188	-2.456e+000	278.525	2.748e+001
-3.000	0.000	-2.254e+000	-2.673e+001
336.552	-2.269e+000	278.865	2.593e+001
-2.000	0.000	-2.114e+000	-2.520e+001
337.678	-2.135e+000	279.101	2.445e+001
-1.000	0.000	-2.025e+000	-2.380e+001
338.627	-2.054e+000	279.236	2.306e+001