
Dielectric sphere, Refractive index: real 1.420 imag 4.000E-02, Mie size parameter = 20.958
 Calculation for 362angles equally spaced between 0 and 180 degrees.

Angle	Cosine	S-sub-1		S-sub-2		Intensity	Deg of Polzn
0.00	1.000000	2.54536E+02	2.17950E+01	2.54536E+02	2.17950E+01	6.52634E+04	0.0000
0.50	0.999962	2.53363E+02	2.15923E+01	2.53361E+02	2.16786E+01	6.46604E+04	0.0000
1.00	0.999849	2.49863E+02	2.09898E+01	2.49858E+02	2.13320E+01	6.28781E+04	0.0001
1.50	0.999659	2.44105E+02	2.00050E+01	2.44094E+02	2.07630E+01	6.00002E+04	0.0002
1.99	0.999394	2.36193E+02	1.86657E+01	2.36176E+02	1.99840E+01	5.61572E+04	0.0004
2.49	0.999053	2.26279E+02	1.70109E+01	2.26258E+02	1.90128E+01	5.15228E+04	0.0006
2.99	0.998637	2.14543E+02	1.50873E+01	2.14522E+02	1.78707E+01	4.62978E+04	0.0009
3.49	0.998145	2.01199E+02	1.29494E+01	2.01185E+02	1.65827E+01	4.06996E+04	0.0012
3.99	0.997578	1.86493E+02	1.06585E+01	1.86494E+02	1.51776E+01	3.49518E+04	0.0017
4.49	0.996934	1.70682E+02	8.27844E+00	1.70710E+02	1.36856E+01	2.92650E+04	0.0022
4.99	0.996216	1.54048E+02	5.87652E+00	1.54116E+02	1.21396E+01	2.38323E+04	0.0028
5.48	0.995422	1.36873E+02	3.51905E+00	1.36998E+02	1.05723E+01	1.88135E+04	0.0035
5.98	0.994552	1.19449E+02	1.27126E+00	1.19646E+02	9.01743E+00	1.43331E+04	0.0044
6.48	0.993607	1.02056E+02	-8.05990E-01	1.02343E+02	7.50716E+00	1.04733E+04	0.0055
6.98	0.992587	8.49692E+01	-2.65717E+00	8.53625E+01	6.07254E+00	7.27523E+03	0.0067
7.48	0.991492	6.84466E+01	-4.23385E+00	6.89616E+01	4.74231E+00	4.74052E+03	0.0079
7.98	0.990322	5.27216E+01	-5.49656E+00	5.33716E+01	3.54195E+00	2.83543E+03	0.0090
8.48	0.989076	3.80058E+01	-6.41524E+00	3.88010E+01	2.49358E+00	1.49866E+03	0.0087
8.98	0.987756	2.44788E+01	-6.97045E+00	2.54255E+01	1.61505E+00	6.48431E+02	0.0010
9.47	0.986361	1.22871E+01	-7.15386E+00	1.33871E+01	9.19600E-01	1.91105E+02	-0.0578
9.97	0.984892	1.54253E+00	-6.96822E+00	2.79224E+00	4.15604E-01	2.94524E+01	-0.7294
10.47	0.983347	-7.67831E+00	-6.42731E+00	-6.28803E+00	1.06405E-01	6.99087E+01	-0.4343
10.97	0.981728	-1.53364E+01	-5.55531E+00	-1.38207E+01	-9.82761E-03	2.28540E+02	-0.1642
11.47	0.980035	-2.14274E+01	-4.38621E+00	-1.98072E+01	6.00286E-02	4.35350E+02	-0.0988
11.97	0.978268	-2.59819E+01	-2.96227E+00	-2.42841E+01	3.04277E-01	6.36822E+02	-0.0738
12.47	0.976427	-2.90620E+01	-1.33311E+00	-2.73185E+01	7.06693E-01	7.96587E+02	-0.0625
12.96	0.974511	-3.07583E+01	4.46149E-01	-2.90057E+01	1.24701E+00	8.94579E+02	-0.0578
13.46	0.972522	-3.11866E+01	2.31641E+00	-2.94653E+01	1.90143E+00	9.24895E+02	-0.0574
13.96	0.970459	-3.04838E+01	4.21660E+00	-2.88365E+01	2.64334E+00	8.92786E+02	-0.0608

14.46	0.968323	-2.88029E+01	6.08531E+00	-2.72737E+01	3.44396E+00	8.11179E+02	-0.0684
14.96	0.966113	-2.63086E+01	7.86289E+00	-2.49416E+01	4.27321E+00	6.97157E+02	-0.0815
15.46	0.963830	-2.31726E+01	9.49296E+00	-2.20100E+01	5.10043E+00	5.68770E+02	-0.1025
15.96	0.961475	-1.95682E+01	1.09242E+01	-1.86494E+01	5.89530E+00	4.42404E+02	-0.1353
16.45	0.959046	-1.56664E+01	1.21119E+01	-1.50260E+01	6.62859E+00	3.30926E+02	-0.1850
16.95	0.956545	-1.16312E+01	1.30189E+01	-1.12978E+01	7.27296E+00	2.42657E+02	-0.2560
17.45	0.953971	-7.61576E+00	1.36169E+01	-7.61065E+00	7.80374E+00	1.81120E+02	-0.3440
17.95	0.951325	-3.75907E+00	1.38870E+01	-4.09517E+00	8.19956E+00	1.45492E+02	-0.4226
18.45	0.948607	-1.82991E-01	1.38203E+01	-8.63939E-01	8.44289E+00	1.31531E+02	-0.4524
18.95	0.945817	3.01012E+00	1.34177E+01	1.99049E+00	8.52061E+00	1.32829E+02	-0.4236
19.45	0.942956	5.73856E+00	1.26902E+01	4.39654E+00	8.42423E+00	1.42135E+02	-0.3647
19.94	0.940023	7.94269E+00	1.16581E+01	6.30461E+00	8.15024E+00	1.52586E+02	-0.3042
20.44	0.937019	9.58470E+00	1.03502E+01	7.68658E+00	7.70006E+00	1.58683E+02	-0.2540
20.94	0.933944	1.06486E+01	8.80295E+00	8.53537E+00	7.08011E+00	1.56932E+02	-0.2163
21.44	0.930798	1.11390E+01	7.05941E+00	8.86350E+00	6.30155E+00	1.46092E+02	-0.1904
21.94	0.927582	1.10796E+01	5.16754E+00	8.70124E+00	5.37998E+00	1.27059E+02	-0.1763
22.44	0.924295	1.05113E+01	3.17892E+00	8.09434E+00	4.33499E+00	1.02452E+02	-0.1771
22.94	0.920939	9.48968E+00	1.14725E+00	7.10152E+00	3.18974E+00	7.59881E+01	-0.2024
23.43	0.917513	8.08226E+00	-8.73574E-01	5.79140E+00	1.97007E+00	5.17538E+01	-0.2769
23.93	0.914017	6.36577E+00	-2.83066E+00	4.23972E+00	7.04043E-01	3.35033E+01	-0.4487
24.43	0.910452	4.42300E+00	-4.67382E+00	2.52618E+00	-5.78948E-01	2.40621E+01	-0.7209
24.93	0.906818	2.33982E+00	-6.35697E+00	7.31441E-01	-1.84895E+00	2.49197E+01	-0.8413
25.43	0.903115	2.02236E-01	-7.83930E+00	-1.06565E+00	-3.07625E+00	3.60472E+01	-0.7060
25.93	0.899344	-1.90645E+00	-9.08640E+00	-2.79076E+00	-4.23216E+00	5.59484E+01	-0.5407
26.43	0.895505	-3.90819E+00	-1.00711E+01	-4.37635E+00	-5.28982E+00	8.19177E+01	-0.4246
26.93	0.891598	-5.73243E+00	-1.07740E+01	-5.76364E+00	-6.22486E+00	1.10454E+02	-0.3484
27.42	0.887624	-7.31802E+00	-1.11840E+01	-6.90416E+00	-7.01602E+00	1.37763E+02	-0.2967
27.92	0.883582	-8.61475E+00	-1.12982E+01	-7.76092E+00	-7.64572E+00	1.60276E+02	-0.2595
28.42	0.879474	-9.58446E+00	-1.11220E+01	-8.30907E+00	-8.10049E+00	1.75109E+02	-0.2310
28.92	0.875299	-1.02017E+01	-1.06685E+01	-8.53618E+00	-8.37129E+00	1.80419E+02	-0.2077
29.42	0.871057	-1.04540E+01	-9.95832E+00	-8.44203E+00	-8.45369E+00	1.75593E+02	-0.1871
29.92	0.866750	-1.03416E+01	-9.01822E+00	-8.03805E+00	-8.34794E+00	1.61287E+02	-0.1673
30.42	0.862377	-9.87698E+00	-7.88070E+00	-7.34638E+00	-8.05898E+00	1.39288E+02	-0.1463
30.91	0.857938	-9.08396E+00	-6.58265E+00	-6.39861E+00	-7.59614E+00	1.12247E+02	-0.1212
31.41	0.853435	-7.99638E+00	-5.16428E+00	-5.23428E+00	-6.97297E+00	8.33159E+01	-0.0876
31.91	0.848867	-6.65664E+00	-3.66779E+00	-3.89914E+00	-6.20675E+00	5.57453E+01	-0.0362
32.41	0.844235	-5.11402E+00	-2.13625E+00	-2.44341E+00	-5.31806E+00	3.24844E+01	0.0544
32.91	0.839538	-3.42289E+00	-6.12262E-01	-9.19803E-01	-4.33015E+00	1.58436E+01	0.2369

33.41	0.834779	-1.64070E+00	8.63188E-01	6.18360E-01	-3.26835E+00	7.25074E+00	0.5260
33.91	0.829956	1.73851E-01	2.25183E+00	2.11894E+00	-2.15938E+00	7.12689E+00	0.2843
34.40	0.825070	1.96272E+00	3.51907E+00	3.53268E+00	-1.03064E+00	1.48891E+01	-0.0905
34.90	0.820121	3.67037E+00	4.63488E+00	4.81480E+00	9.04717E-02	2.90721E+01	-0.2023
35.40	0.815111	5.24536E+00	5.57447E+00	5.92629E+00	1.17731E+00	4.75478E+01	-0.2322
35.90	0.810039	6.64177E+00	6.31878E+00	6.83495E+00	2.20454E+00	6.78083E+01	-0.2394
36.40	0.804905	7.82050E+00	6.85481E+00	7.51626E+00	3.14886E+00	8.72791E+01	-0.2391
36.90	0.799711	8.75021E+00	7.17583E+00	7.95390E+00	3.98947E+00	1.03620E+02	-0.2359
37.40	0.794456	9.40800E+00	7.28125E+00	8.13993E+00	4.70859E+00	1.14978E+02	-0.2309
37.89	0.789141	9.77986E+00	7.17651E+00	8.07481E+00	5.29179E+00	1.20177E+02	-0.2244
38.39	0.783766	9.86082E+00	6.87264E+00	7.76704E+00	5.72834E+00	1.18805E+02	-0.2160
38.89	0.778331	9.65478E+00	6.38579E+00	7.23265E+00	6.01138E+00	1.11221E+02	-0.2048
39.39	0.772838	9.17416E+00	5.73659E+00	6.49437E+00	6.13797E+00	9.84626E+01	-0.1890
39.89	0.767286	8.43921E+00	4.94942E+00	5.58068E+00	6.10914E+00	8.20913E+01	-0.1660
40.39	0.761676	7.47721E+00	4.05158E+00	4.52477E+00	5.92971E+00	6.39795E+01	-0.1304
40.89	0.756009	6.32140E+00	3.07242E+00	3.36315E+00	5.60814E+00	4.60809E+01	-0.0720
41.39	0.750284	5.00987E+00	2.04254E+00	2.13460E+00	5.15620E+00	3.02068E+01	0.0310
41.88	0.744502	3.58424E+00	9.92779E-01	8.78685E-01	4.58862E+00	1.78299E+01	0.2242
42.38	0.738664	2.08837E+00	-4.65180E-02	-3.65381E-01	3.92265E+00	9.94209E+00	0.5611
42.88	0.732770	5.66971E-01	-1.04641E+00	-1.56006E+00	3.17758E+00	6.97363E+00	0.7969
43.38	0.726820	-9.35709E-01	-1.98003E+00	-2.67053E+00	2.37421E+00	8.78234E+00	0.4539
43.88	0.720816	-2.37716E+00	-2.82327E+00	-3.66570E+00	1.53428E+00	1.47066E+01	0.0738
44.38	0.714757	-3.71778E+00	-3.55533E+00	-4.51904E+00	6.79973E-01	2.36732E+01	-0.1178
44.88	0.708643	-4.92199E+00	-4.15919E+00	-5.20927E+00	-1.66742E-01	3.43446E+01	-0.2091
45.37	0.702477	-5.95908E+00	-4.62188E+00	-5.72079E+00	-9.84555E-01	4.52846E+01	-0.2559
45.87	0.696256	-6.80397E+00	-4.93475E+00	-6.04403E+00	-1.75340E+00	5.51252E+01	-0.2816
46.37	0.689984	-7.43780E+00	-5.09351E+00	-6.17547E+00	-2.45490E+00	6.27138E+01	-0.2958
46.87	0.683658	-7.84826E+00	-5.09826E+00	-6.11759E+00	-3.07278E+00	6.72272E+01	-0.3029
47.37	0.677282	-8.02975E+00	-4.95326E+00	-5.87859E+00	-3.59325E+00	6.82405E+01	-0.3044
47.87	0.670853	-7.98333E+00	-4.66675E+00	-5.47190E+00	-4.00530E+00	6.57481E+01	-0.3006
48.37	0.664374	-7.71653E+00	-4.25061E+00	-4.91565E+00	-4.30088E+00	6.01368E+01	-0.2906
48.86	0.657845	-7.24290E+00	-3.71987E+00	-4.23190E+00	-4.47512E+00	5.21163E+01	-0.2721
49.36	0.651266	-6.58147E+00	-3.09230E+00	-3.44589E+00	-4.52633E+00	4.26200E+01	-0.2407
49.86	0.644638	-5.75604E+00	-2.38782E+00	-2.58513E+00	-4.45600E+00	3.26863E+01	-0.1881
50.36	0.637960	-4.79433E+00	-1.62793E+00	-1.67848E+00	-4.26873E+00	2.33375E+01	-0.0985
50.86	0.631235	-3.72711E+00	-8.35108E-01	-7.55247E-01	-3.97204E+00	1.54681E+01	0.0569
51.36	0.624461	-2.58717E+00	-3.21819E-02	1.55750E-01	-3.57613E+00	9.75373E+00	0.3136
51.86	0.617641	-1.40843E+00	7.58227E-01	1.02701E+00	-3.09360E+00	6.59184E+00	0.6119

52.35	0.610773	-2.24812E-01	1.51433E+00	1.83318E+00	-2.53907E+00	6.07558E+00	0.6142
52.85	0.603859	9.30665E-01	2.21570E+00	2.55177E+00	-1.92878E+00	8.00359E+00	0.2784
53.35	0.596900	2.02678E+00	2.84377E+00	3.16369E+00	-1.28016E+00	1.19213E+01	-0.0229
53.85	0.589895	3.03500E+00	3.38226E+00	3.65381E+00	-6.11357E-01	1.71875E+01	-0.2015
54.35	0.582846	3.93013E+00	3.81756E+00	4.01121E+00	5.92487E-02	2.30565E+01	-0.3020
54.85	0.575753	4.69102E+00	4.13905E+00	4.22949E+00	7.13525E-01	2.87675E+01	-0.3605
55.35	0.568616	5.30096E+00	4.33928E+00	4.30674E+00	1.33407E+00	3.36287E+01	-0.3955
55.84	0.561435	5.74807E+00	4.41416E+00	4.24551E+00	1.90465E+00	3.70886E+01	-0.4162
56.34	0.554213	6.02542E+00	4.36297E+00	4.05257E+00	2.41060E+00	3.87877E+01	-0.4268
56.84	0.546948	6.13109E+00	4.18835E+00	3.73859E+00	2.83927E+00	3.85855E+01	-0.4288
57.34	0.539642	6.06808E+00	3.89621E+00	3.31775E+00	3.18023E+00	3.65617E+01	-0.4223
57.84	0.532295	5.84400E+00	3.49550E+00	2.80706E+00	3.42566E+00	3.29928E+01	-0.4055
58.34	0.524908	5.47071E+00	2.99797E+00	2.22592E+00	3.57043E+00	2.83096E+01	-0.3747
58.84	0.517481	4.96384E+00	2.41786E+00	1.59530E+00	3.61226E+00	2.30396E+01	-0.3232
59.34	0.510015	4.34218E+00	1.77146E+00	9.37163E-01	3.55179E+00	1.77430E+01	-0.2395
59.83	0.502510	3.62702E+00	1.07674E+00	2.73649E-01	3.39245E+00	1.29492E+01	-0.1055
60.33	0.494967	2.84147E+00	3.52827E-01	-3.73551E-01	3.14045E+00	9.10020E+00	0.0991
60.83	0.487387	2.00965E+00	-3.80493E-01	-9.83920E-01	2.80447E+00	6.50833E+00	0.3572
61.33	0.479770	1.15605E+00	-1.10326E+00	-1.53870E+00	2.39550E+00	5.32982E+00	0.5209
61.83	0.472116	3.04689E-01	-1.79590E+00	-2.02145E+00	1.92643E+00	5.55773E+00	0.4030
62.33	0.464427	-5.21455E-01	-2.43969E+00	-2.41852E+00	1.41171E+00	7.03309E+00	0.1150
62.83	0.456702	-1.30115E+00	-3.01728E+00	-2.71944E+00	8.66912E-01	9.47193E+00	-0.1399
63.32	0.448943	-2.01541E+00	-3.51314E+00	-2.91710E+00	3.08258E-01	1.25043E+01	-0.3119
63.82	0.441150	-2.64797E+00	-3.91394E+00	-3.00801E+00	-2.47836E-01	1.57201E+01	-0.4205
64.32	0.433324	-3.18564E+00	-4.20890E+00	-2.99223E+00	-7.85249E-01	1.87166E+01	-0.4887
64.82	0.425464	-3.61853E+00	-4.39012E+00	-2.87336E+00	-1.28864E+00	2.11419E+01	-0.5309
65.32	0.417573	-3.94021E+00	-4.45271E+00	-2.65831E+00	-1.74388E+00	2.27298E+01	-0.5553
65.82	0.409650	-4.14771E+00	-4.39499E+00	-2.35700E+00	-2.13847E+00	2.33240E+01	-0.5657
66.32	0.401695	-4.24141E+00	-4.21848E+00	-1.98200E+00	-2.46190E+00	2.28872E+01	-0.5635
66.81	0.393711	-4.22489E+00	-3.92788E+00	-1.54803E+00	-2.70594E+00	2.14982E+01	-0.5479
67.31	0.385696	-4.10464E+00	-3.53096E+00	-1.07148E+00	-2.86489E+00	1.93357E+01	-0.5161
67.81	0.377653	-3.88967E+00	-3.03832E+00	-5.69791E-01	-2.93570E+00	1.66520E+01	-0.4629
68.31	0.369581	-3.59113E+00	-2.46312E+00	-6.08811E-02	-2.91807E+00	1.37410E+01	-0.3800
68.81	0.361480	-3.22183E+00	-1.82074E+00	4.37456E-01	-2.81439E+00	1.09037E+01	-0.2560
69.31	0.353353	-2.79573E+00	-1.12832E+00	9.08140E-01	-2.62970E+00	8.41464E+00	-0.0802
69.81	0.345198	-2.32748E+00	-4.04364E-01	1.33536E+00	-2.37142E+00	6.49375E+00	0.1406
70.30	0.337018	-1.83187E+00	3.31851E-01	1.70509E+00	-2.04916E+00	5.28612E+00	0.3443
70.80	0.328812	-1.32339E+00	1.06073E+00	2.00550E+00	-1.67437E+00	4.85101E+00	0.4070

71.30	0.320581	-8.15818E-01	1.76290E+00	2.22735E+00	-1.25992E+00	5.16092E+00	0.2689
71.80	0.312326	-3.21809E-01	2.41979E+00	2.36423E+00	-8.19715E-01	6.11024E+00	0.0248
72.30	0.304047	1.47413E-01	3.01409E+00	2.41275E+00	-3.68219E-01	7.53171E+00	-0.2091
72.80	0.295745	5.82297E-01	3.53022E+00	2.37260E+00	8.00403E-02	9.21856E+00	-0.3887
73.30	0.287421	9.75129E-01	3.95477E+00	2.24650E+00	5.10924E-01	1.09494E+01	-0.5152
73.80	0.279075	1.32013E+00	4.27686E+00	2.04008E+00	9.11151E-01	1.25132E+01	-0.6011
74.29	0.270708	1.61349E+00	4.48842E+00	1.76164E+00	1.26873E+00	1.37312E+01	-0.6568
74.79	0.262320	1.85326E+00	4.58440E+00	1.42185E+00	1.57332E+00	1.44741E+01	-0.6893
75.29	0.253912	2.03929E+00	4.56287E+00	1.03330E+00	1.81659E+00	1.46731E+01	-0.7023
75.79	0.245485	2.17302E+00	4.42508E+00	6.10120E-01	1.99242E+00	1.43227E+01	-0.6968
76.29	0.237040	2.25726E+00	4.17539E+00	1.67405E-01	2.09710E+00	1.34775E+01	-0.6716
76.79	0.228577	2.29589E+00	3.82111E+00	-2.79258E-01	2.12944E+00	1.22423E+01	-0.6232
77.29	0.220096	2.29367E+00	3.37230E+00	-7.14350E-01	2.09073E+00	1.07574E+01	-0.5462
77.78	0.211599	2.25586E+00	2.84142E+00	-1.12295E+00	1.98467E+00	9.18125E+00	-0.4336
78.28	0.203086	2.18796E+00	2.24300E+00	-1.49121E+00	1.81721E+00	7.67210E+00	-0.2797
78.78	0.194557	2.09547E+00	1.59317E+00	-1.80687E+00	1.59630E+00	6.37107E+00	-0.0876
79.28	0.186013	1.98358E+00	9.09221E-01	-2.05957E+00	1.33159E+00	5.38812E+00	0.1163
79.78	0.177456	1.85704E+00	2.09101E-01	-2.24126E+00	1.03401E+00	4.79238E+00	0.2713
80.28	0.168885	1.71993E+00	-4.89100E-01	-2.34638E+00	7.15434E-01	4.60736E+00	0.3060
80.78	0.160301	1.57558E+00	-1.16765E+00	-2.37205E+00	3.88174E-01	4.81157E+00	0.2007
81.27	0.151705	1.42647E+00	-1.80966E+00	-2.31811E+00	6.45653E-02	5.34375E+00	0.0064
81.77	0.143098	1.27428E+00	-2.39955E+00	-2.18710E+00	-2.43491E-01	6.11215E+00	-0.2077
82.27	0.134480	1.11985E+00	-2.92342E+00	-1.98412E+00	-5.24958E-01	7.00639E+00	-0.3988
82.77	0.125851	9.63310E-01	-3.36945E+00	-1.71663E+00	-7.70050E-01	7.91050E+00	-0.5525
83.27	0.117213	8.04178E-01	-3.72814E+00	-1.39415E+00	-9.70574E-01	8.71570E+00	-0.6689
83.77	0.108567	6.41530E-01	-3.99252E+00	-1.02789E+00	-1.12021E+00	9.33160E+00	-0.7523
84.27	0.099911	4.74163E-01	-4.15830E+00	-6.30362E-01	-1.21471E+00	9.69456E+00	-0.8068
84.76	0.091249	3.00791E-01	-4.22387E+00	-2.14923E-01	-1.25204E+00	9.77268E+00	-0.8349
85.26	0.082579	1.20231E-01	-4.19034E+00	2.04702E-01	-1.23241E+00	9.56707E+00	-0.8369
85.76	0.073904	-6.84054E-02	-4.06134E+00	6.14892E-01	-1.15825E+00	9.10938E+00	-0.8112
86.26	0.065222	-2.65549E-01	-3.84288E+00	1.00259E+00	-1.03408E+00	8.45636E+00	-0.7547
86.76	0.056536	-4.71029E-01	-3.54310E+00	1.35574E+00	-8.66299E-01	7.68197E+00	-0.6630
87.26	0.047845	-6.83959E-01	-3.17196E+00	1.66369E+00	-6.62958E-01	6.86825E+00	-0.5330
87.76	0.039151	-9.02672E-01	-2.74087E+00	1.91750E+00	-4.33391E-01	6.09593E+00	-0.3660
88.25	0.030454	-1.12468E+00	-2.26236E+00	2.11025E+00	-1.87866E-01	5.43580E+00	-0.1743
88.75	0.021754	-1.34672E+00	-1.74962E+00	2.23717E+00	6.28177E-02	4.94184E+00	0.0136
89.25	0.013053	-1.56475E+00	-1.21615E+00	2.29583E+00	3.07755E-01	4.64650E+00	0.1548
89.75	0.004351	-1.77412E+00	-6.75339E-01	2.28612E+00	5.36349E-01	4.55880E+00	0.2095

90.25	-0.004351	-1.96968E+00	-1.40112E-01	2.21019E+00	7.38716E-01	4.66496E+00	0.1641
90.75	-0.013053	-2.14595E+00	3.77432E-01	2.07235E+00	9.06065E-01	4.93156E+00	0.0373
91.25	-0.021754	-2.29733E+00	8.66308E-01	1.87881E+00	1.03102E+00	5.31056E+00	-0.1351
91.75	-0.030454	-2.41830E+00	1.31689E+00	1.63747E+00	1.10790E+00	5.74558E+00	-0.3197
92.24	-0.039151	-2.50368E+00	1.72113E+00	1.35757E+00	1.13291E+00	6.17860E+00	-0.4940
92.74	-0.047845	-2.54880E+00	2.07266E+00	1.04930E+00	1.10431E+00	6.55641E+00	-0.6461
93.24	-0.056536	-2.54974E+00	2.36688E+00	7.23445E-01	1.02245E+00	6.83604E+00	-0.7705
93.74	-0.065222	-2.50354E+00	2.60099E+00	3.90981E-01	8.89738E-01	6.98868E+00	-0.8649
94.24	-0.073904	-2.40832E+00	2.77393E+00	6.26695E-02	7.10557E-01	7.00174E+00	-0.9273
94.74	-0.082579	-2.26345E+00	2.88626E+00	-2.51320E-01	4.91096E-01	6.87901E+00	-0.9558
95.24	-0.091249	-2.06959E+00	2.94008E+00	-5.41749E-01	2.39102E-01	6.63899E+00	-0.9472
95.73	-0.099911	-1.82880E+00	2.93879E+00	-8.00613E-01	-3.64094E-02	6.31167E+00	-0.8982
96.23	-0.108566	-1.54445E+00	2.88690E+00	-1.02139E+00	-3.25494E-01	5.93436E+00	-0.8064
96.73	-0.117213	-1.22124E+00	2.78979E+00	-1.19921E+00	-6.17651E-01	5.54698E+00	-0.6720
97.23	-0.125851	-8.65022E-01	2.65347E+00	-1.33100E+00	-9.02207E-01	5.18736E+00	-0.5016
97.73	-0.134480	-4.82747E-01	2.48431E+00	-1.41552E+00	-1.16871E+00	4.88721E+00	-0.3105
98.23	-0.143098	-8.22079E-02	2.28883E+00	-1.45330E+00	-1.40731E+00	4.66906E+00	-0.1235
98.73	-0.151705	3.28147E-01	2.07346E+00	-1.44661E+00	-1.60910E+00	4.54441E+00	0.0303
99.22	-0.160301	7.39450E-01	1.84433E+00	-1.39926E+00	-1.76646E+00	4.51332E+00	0.1252
99.72	-0.168885	1.14268E+00	1.60707E+00	-1.31642E+00	-1.87327E+00	4.56525E+00	0.1483
100.22	-0.177456	1.52892E+00	1.36674E+00	-1.20433E+00	-1.92518E+00	4.68115E+00	0.1016
100.72	-0.186013	1.88960E+00	1.12766E+00	-1.07003E+00	-1.91970E+00	4.83622E+00	-0.0012
101.22	-0.194557	2.21678E+00	8.93370E-01	-9.21075E-01	-1.85629E+00	5.00322E+00	-0.1417
101.72	-0.203086	2.50335E+00	6.66601E-01	-7.65143E-01	-1.73636E+00	5.15576E+00	-0.3017
102.22	-0.211599	2.74323E+00	4.49281E-01	-6.09779E-01	-1.56320E+00	5.27129E+00	-0.4659
102.71	-0.220096	2.93154E+00	2.42582E-01	-4.62056E-01	-1.34183E+00	5.33338E+00	-0.6224
103.21	-0.228577	3.06474E+00	4.69921E-02	-3.28308E-01	-1.07881E+00	5.33322E+00	-0.7616
103.71	-0.237040	3.14068E+00	-1.37587E-01	-2.13890E-01	-7.81994E-01	5.27003E+00	-0.8753
104.21	-0.245485	3.15867E+00	-3.11725E-01	-1.22973E-01	-4.60248E-01	5.15065E+00	-0.9559
104.71	-0.253912	3.11943E+00	-4.76328E-01	-5.84164E-02	-1.23105E-01	4.98815E+00	-0.9963
105.21	-0.262320	3.02509E+00	-6.32511E-01	-2.16681E-02	2.19557E-01	4.79996E+00	-0.9899
105.71	-0.270707	2.87903E+00	-7.81457E-01	-1.27465E-02	5.57861E-01	4.60544E+00	-0.9324
106.20	-0.279075	2.68581E+00	-9.24292E-01	-3.02727E-02	8.82266E-01	4.42359E+00	-0.8238
106.70	-0.287421	2.45094E+00	-1.06197E+00	-7.15551E-02	1.18388E+00	4.27079E+00	-0.6706
107.20	-0.295745	2.18074E+00	-1.19517E+00	-1.32739E-01	1.45476E+00	4.15900E+00	-0.4869
107.70	-0.304047	1.88211E+00	-1.32423E+00	-2.08983E-01	1.68811E+00	4.09465E+00	-0.2934
108.20	-0.312326	1.56230E+00	-1.44907E+00	-2.94695E-01	1.87854E+00	4.07817E+00	-0.1134
108.70	-0.320581	1.22871E+00	-1.56918E+00	-3.83772E-01	2.02215E+00	4.10422E+00	0.0322

109.20	-0.328812	8.88658E-01	-1.68364E+00	-4.69876E-01	2.11663E+00	4.16264E+00	0.1293
109.70	-0.337018	5.49171E-01	-1.79108E+00	-5.46710E-01	2.16130E+00	4.23983E+00	0.1722
110.19	-0.345198	2.16808E-01	-1.88977E+00	-6.08283E-01	2.15704E+00	4.32054E+00	0.1625
110.69	-0.353353	-1.02507E-01	-1.97771E+00	-6.49169E-01	2.10622E+00	4.38970E+00	0.1066
111.19	-0.361480	-4.03617E-01	-2.05264E+00	-6.64736E-01	2.01254E+00	4.43421E+00	0.0131
111.69	-0.369581	-6.82233E-01	-2.11219E+00	-6.51342E-01	1.88087E+00	4.44437E+00	-0.1086
112.19	-0.377653	-9.35000E-01	-2.15400E+00	-6.06488E-01	1.71702E+00	4.41496E+00	-0.2489
112.69	-0.385696	-1.15953E+00	-2.17577E+00	-5.28932E-01	1.52747E+00	4.34570E+00	-0.3987
113.19	-0.393711	-1.35441E+00	-2.17541E+00	-4.18739E-01	1.31913E+00	4.24114E+00	-0.5484
113.68	-0.401695	-1.51913E+00	-2.15116E+00	-2.77297E-01	1.09908E+00	4.11006E+00	-0.6874
114.18	-0.409650	-1.65406E+00	-2.10163E+00	-1.07265E-01	8.74314E-01	3.96434E+00	-0.8043
114.68	-0.417573	-1.76035E+00	-2.02591E+00	8.75188E-02	6.51452E-01	3.81761E+00	-0.8868
115.18	-0.425464	-1.83981E+00	-1.92366E+00	3.02173E-01	4.36566E-01	3.68362E+00	-0.9235
115.68	-0.433324	-1.89475E+00	-1.79509E+00	5.30950E-01	2.34969E-01	3.57479E+00	-0.9057
116.18	-0.441150	-1.92793E+00	-1.64105E+00	7.67449E-01	5.10635E-02	3.50077E+00	-0.8310
116.68	-0.448943	-1.94232E+00	-1.46298E+00	1.00484E+00	-1.11768E-01	3.46754E+00	-0.7052
117.17	-0.456702	-1.94101E+00	-1.26290E+00	1.23612E+00	-2.51234E-01	3.47677E+00	-0.5424
117.67	-0.464427	-1.92707E+00	-1.04341E+00	1.45435E+00	-3.66150E-01	3.52575E+00	-0.3621
118.17	-0.472116	-1.90342E+00	-8.07574E-01	1.65291E+00	-4.56421E-01	3.60780E+00	-0.1850
118.67	-0.479770	-1.87271E+00	-5.58876E-01	1.82573E+00	-5.22978E-01	3.71308E+00	-0.0286
119.17	-0.487387	-1.83723E+00	-3.01118E-01	1.96749E+00	-5.67676E-01	3.82968E+00	0.0949
119.67	-0.494967	-1.79886E+00	-3.83310E-02	2.07382E+00	-5.93164E-01	3.94497E+00	0.1794
120.17	-0.502510	-1.75898E+00	2.25346E-01	2.14142E+00	-6.02727E-01	4.04688E+00	0.2229
120.66	-0.510015	-1.71849E+00	4.85764E-01	2.16817E+00	-6.00110E-01	4.12514E+00	0.2269
121.16	-0.517481	-1.67777E+00	7.38883E-01	2.15319E+00	-5.89338E-01	4.17221E+00	0.1945
121.66	-0.524908	-1.63671E+00	9.80866E-01	2.09686E+00	-5.74524E-01	4.18392E+00	0.1298
122.16	-0.532295	-1.59476E+00	1.20818E+00	2.00079E+00	-5.59689E-01	4.15968E+00	0.0377
122.66	-0.539642	-1.55096E+00	1.41769E+00	1.86772E+00	-5.48591E-01	4.10233E+00	-0.0763
123.16	-0.546948	-1.50404E+00	1.60671E+00	1.70145E+00	-5.44576E-01	4.01758E+00	-0.2056
123.66	-0.554213	-1.45249E+00	1.77308E+00	1.50666E+00	-5.50443E-01	3.91328E+00	-0.3425
124.16	-0.561435	-1.39463E+00	1.91520E+00	1.28875E+00	-5.68352E-01	3.79844E+00	-0.4777
124.65	-0.568616	-1.32876E+00	2.03203E+00	1.05363E+00	-5.99746E-01	3.68230E+00	-0.6008
125.15	-0.575753	-1.25318E+00	2.12314E+00	8.07542E-01	-6.45313E-01	3.57337E+00	-0.7010
125.65	-0.582846	-1.16634E+00	2.18865E+00	5.56796E-01	-7.04979E-01	3.47878E+00	-0.7680
126.15	-0.589895	-1.06692E+00	2.22922E+00	3.07597E-01	-7.77931E-01	3.40377E+00	-0.7944
126.65	-0.596900	-9.53868E-01	2.24601E+00	6.58277E-02	-8.62667E-01	3.35148E+00	-0.7767
127.15	-0.603859	-8.26512E-01	2.24061E+00	-1.63142E-01	-9.57070E-01	3.32304E+00	-0.7163
127.65	-0.610773	-6.84581E-01	2.21499E+00	-3.74614E-01	-1.05851E+00	3.31781E+00	-0.6200

128.14	-0.617641	-5.28254E-01	2.17140E+00	-5.64690E-01	-1.16394E+00	3.33384E+00	-0.4980
128.64	-0.624461	-3.58182E-01	2.11231E+00	-7.30387E-01	-1.27005E+00	3.36832E+00	-0.3627
129.14	-0.631235	-1.75486E-01	2.04029E+00	-8.69695E-01	-1.37336E+00	3.41804E+00	-0.2269
129.64	-0.637960	1.82580E-02	1.95799E+00	-9.81606E-01	-1.47038E+00	3.47980E+00	-0.1018
130.14	-0.644638	2.21033E-01	1.86799E+00	-1.06611E+00	-1.55769E+00	3.55062E+00	0.0035
130.64	-0.651266	4.30440E-01	1.77277E+00	-1.12415E+00	-1.63212E+00	3.62777E+00	0.0826
131.14	-0.657845	6.43738E-01	1.67461E+00	-1.15756E+00	-1.69081E+00	3.70876E+00	0.1321
131.63	-0.664374	8.57929E-01	1.57557E+00	-1.16893E+00	-1.73129E+00	3.79110E+00	0.1510
132.13	-0.670853	1.06982E+00	1.47739E+00	-1.16149E+00	-1.75157E+00	3.87212E+00	0.1407
132.63	-0.677282	1.27610E+00	1.38148E+00	-1.13900E+00	-1.75020E+00	3.94871E+00	0.1043
133.13	-0.683658	1.47346E+00	1.28892E+00	-1.10551E+00	-1.72627E+00	4.01727E+00	0.0460
133.63	-0.689984	1.65864E+00	1.20038E+00	-1.06528E+00	-1.67943E+00	4.07366E+00	-0.0291
134.13	-0.696256	1.82856E+00	1.11621E+00	-1.02253E+00	-1.60991E+00	4.11347E+00	-0.1157
134.63	-0.702477	1.98038E+00	1.03635E+00	-9.81341E-01	-1.51845E+00	4.13232E+00	-0.2090
135.12	-0.708643	2.11157E+00	9.60462E-01	-9.45462E-01	-1.40629E+00	4.12639E+00	-0.3041
135.62	-0.714757	2.22003E+00	8.87869E-01	-9.18195E-01	-1.27512E+00	4.09292E+00	-0.3968
136.12	-0.720816	2.30410E+00	8.17657E-01	-9.02274E-01	-1.12698E+00	4.03082E+00	-0.4829
136.62	-0.726820	2.36266E+00	7.48707E-01	-8.99777E-01	-9.64262E-01	3.94106E+00	-0.5586
137.12	-0.732770	2.39513E+00	6.79745E-01	-9.12062E-01	-7.89564E-01	3.82698E+00	-0.6197
137.62	-0.738664	2.40151E+00	6.09410E-01	-9.39737E-01	-6.05667E-01	3.69430E+00	-0.6617
138.12	-0.744502	2.38241E+00	5.36310E-01	-9.82647E-01	-4.15446E-01	3.55086E+00	-0.6795
138.61	-0.750284	2.33901E+00	4.59089E-01	-1.03991E+00	-2.21805E-01	3.40617E+00	-0.6681
139.11	-0.756009	2.27305E+00	3.76474E-01	-1.10994E+00	-2.76060E-02	3.27060E+00	-0.6231
139.61	-0.761676	2.18679E+00	2.87347E-01	-1.19056E+00	1.64368E-01	3.15454E+00	-0.5421
140.11	-0.767286	2.08298E+00	1.90778E-01	-1.27906E+00	3.51490E-01	3.06737E+00	-0.4264
140.61	-0.772838	1.96475E+00	8.60818E-02	-1.37233E+00	5.31309E-01	3.01662E+00	-0.2821
141.11	-0.778331	1.83557E+00	-2.71543E-02	-1.46697E+00	7.01598E-01	3.00714E+00	-0.1207
141.61	-0.783765	1.69912E+00	-1.49041E-01	-1.55943E+00	8.60381E-01	3.04065E+00	0.0432
142.11	-0.789141	1.55923E+00	-2.79369E-01	-1.64613E+00	1.00595E+00	3.11546E+00	0.1946
142.60	-0.794456	1.41973E+00	-4.17601E-01	-1.72361E+00	1.13690E+00	3.22670E+00	0.3213
143.10	-0.799711	1.28438E+00	-5.62880E-01	-1.78864E+00	1.25211E+00	3.36676E+00	0.4159
143.60	-0.804905	1.15675E+00	-7.14036E-01	-1.83834E+00	1.35079E+00	3.52603E+00	0.4759
144.10	-0.810039	1.04007E+00	-8.69613E-01	-1.87027E+00	1.43246E+00	3.69391E+00	0.5024
144.60	-0.815111	9.37215E-01	-1.02789E+00	-1.88252E+00	1.49694E+00	3.85981E+00	0.4987
145.10	-0.820121	8.50522E-01	-1.18694E+00	-1.87375E+00	1.54439E+00	4.01415E+00	0.4688
145.60	-0.825070	7.81769E-01	-1.34467E+00	-1.84328E+00	1.57527E+00	4.14923E+00	0.4169
146.09	-0.829956	7.32093E-01	-1.49884E+00	-1.79105E+00	1.59037E+00	4.25980E+00	0.3468
146.59	-0.834779	7.01946E-01	-1.64718E+00	-1.71764E+00	1.59074E+00	4.34333E+00	0.2619

147.09	-0.839538	6.91067E-01	-1.78742E+00	-1.62424E+00	1.57773E+00	4.39991E+00	0.1653
147.59	-0.844235	6.98479E-01	-1.91733E+00	-1.51261E+00	1.55297E+00	4.43186E+00	0.0604
148.09	-0.848867	7.22509E-01	-2.03480E+00	-1.38500E+00	1.51830E+00	4.44296E+00	-0.0494
148.59	-0.853435	7.60824E-01	-2.13793E+00	-1.24410E+00	1.47578E+00	4.43766E+00	-0.1604
149.09	-0.857938	8.10503E-01	-2.22503E+00	-1.09290E+00	1.42766E+00	4.42015E+00	-0.2687
149.58	-0.862377	8.68113E-01	-2.29469E+00	-9.34622E-01	1.37628E+00	4.39344E+00	-0.3700
150.08	-0.866750	9.29816E-01	-2.34583E+00	-7.72615E-01	1.32411E+00	4.35884E+00	-0.4608
150.58	-0.871057	9.91487E-01	-2.37775E+00	-6.10234E-01	1.27360E+00	4.31560E+00	-0.5379
151.08	-0.875299	1.04885E+00	-2.39012E+00	-4.50737E-01	1.22720E+00	4.26098E+00	-0.5989
151.58	-0.879474	1.09763E+00	-2.38301E+00	-2.97191E-01	1.18723E+00	4.19068E+00	-0.6426
152.08	-0.883582	1.13366E+00	-2.35690E+00	-1.52379E-01	1.15586E+00	4.09969E+00	-0.6685
152.58	-0.887624	1.15308E+00	-2.31268E+00	-1.87150E-02	1.13500E+00	3.98332E+00	-0.6765
153.07	-0.891598	1.15245E+00	-2.25162E+00	1.01816E-01	1.12627E+00	3.83839E+00	-0.6668
153.57	-0.895505	1.12887E+00	-2.17536E+00	2.07711E-01	1.13092E+00	3.66434E+00	-0.6392
154.07	-0.899344	1.08014E+00	-2.08586E+00	2.97982E-01	1.14976E+00	3.46414E+00	-0.5928
154.57	-0.903115	1.00481E+00	-1.98537E+00	3.72176E-01	1.18313E+00	3.24483E+00	-0.5259
155.07	-0.906818	9.02270E-01	-1.87636E+00	4.30370E-01	1.23086E+00	3.01753E+00	-0.4365
155.57	-0.910452	7.72816E-01	-1.76148E+00	4.73153E-01	1.29224E+00	2.79691E+00	-0.3229
156.07	-0.914017	6.17648E-01	-1.64348E+00	5.01599E-01	1.36603E+00	2.60008E+00	-0.1856
156.57	-0.917513	4.38850E-01	-1.52517E+00	5.17204E-01	1.45045E+00	2.44503E+00	-0.0301
157.06	-0.920939	2.39380E-01	-1.40933E+00	5.21851E-01	1.54325E+00	2.34873E+00	0.1300
157.56	-0.924295	2.29610E-02	-1.29863E+00	5.17713E-01	1.64171E+00	2.32509E+00	0.2745
158.06	-0.927582	-2.06010E-01	-1.19561E+00	5.07192E-01	1.74273E+00	2.38314E+00	0.3824
158.56	-0.930798	-4.42571E-01	-1.10259E+00	4.92829E-01	1.84294E+00	2.52544E+00	0.4411
159.06	-0.933944	-6.81392E-01	-1.02161E+00	4.77217E-01	1.93877E+00	2.74726E+00	0.4511
159.56	-0.937019	-9.16883E-01	-9.54397E-01	4.62927E-01	2.02655E+00	3.03637E+00	0.4231
160.06	-0.940023	-1.14343E+00	-9.02329E-01	4.52412E-01	2.10268E+00	3.37378E+00	0.3711
160.55	-0.942956	-1.35556E+00	-8.66387E-01	4.47937E-01	2.16372E+00	3.73524E+00	0.3071
161.05	-0.945817	-1.54809E+00	-8.47145E-01	4.51522E-01	2.20652E+00	4.09342E+00	0.2392
161.55	-0.948607	-1.71639E+00	-8.44770E-01	4.64857E-01	2.22836E+00	4.42064E+00	0.1722
162.05	-0.951325	-1.85645E+00	-8.59005E-01	4.89283E-01	2.22704E+00	4.69171E+00	0.1081
162.55	-0.953971	-1.96512E+00	-8.89199E-01	5.25742E-01	2.20101E+00	4.88660E+00	0.0479
163.05	-0.956545	-2.04014E+00	-9.34318E-01	5.74753E-01	2.14942E+00	4.99272E+00	-0.0085
163.55	-0.959046	-2.08030E+00	-9.92986E-01	6.36418E-01	2.07219E+00	5.00633E+00	-0.0614
164.04	-0.961475	-2.08546E+00	-1.06352E+00	7.10413E-01	1.97007E+00	4.93303E+00	-0.1109
164.54	-0.963830	-2.05657E+00	-1.14397E+00	7.96020E-01	1.84462E+00	4.78720E+00	-0.1569
165.04	-0.966113	-1.99567E+00	-1.23220E+00	8.92147E-01	1.69818E+00	4.59038E+00	-0.1984
165.54	-0.968323	-1.90582E+00	-1.32593E+00	9.97372E-01	1.53386E+00	4.36885E+00	-0.2338

166.04	-0.970459	-1.79099E+00	-1.42277E+00	1.11000E+00	1.35542E+00	4.15061E+00	-0.2605
166.54	-0.972522	-1.65598E+00	-1.52035E+00	1.22811E+00	1.16720E+00	3.96217E+00	-0.2755
167.04	-0.974511	-1.50619E+00	-1.61632E+00	1.34963E+00	9.73970E-01	3.82562E+00	-0.2759
167.53	-0.976427	-1.34753E+00	-1.70843E+00	1.47241E+00	7.80776E-01	3.75609E+00	-0.2605
168.03	-0.978268	-1.18614E+00	-1.79460E+00	1.59426E+00	5.92799E-01	3.76030E+00	-0.2306
168.53	-0.980035	-1.02822E+00	-1.87296E+00	1.71306E+00	4.15167E-01	3.83608E+00	-0.1901
169.03	-0.981728	-8.79809E-01	-1.94189E+00	1.82678E+00	2.52816E-01	3.97302E+00	-0.1440
169.53	-0.983347	-7.46551E-01	-2.00005E+00	1.93360E+00	1.10244E-01	4.15427E+00	-0.0971
170.03	-0.984892	-6.33560E-01	-2.04646E+00	2.03189E+00	-8.55708E-03	4.35901E+00	-0.0528
170.53	-0.986361	-5.45150E-01	-2.08043E+00	2.12030E+00	-1.00320E-01	4.56556E+00	-0.0131
171.02	-0.987756	-4.84759E-01	-2.10166E+00	2.19778E+00	-1.62581E-01	4.75433E+00	0.0215
171.52	-0.989076	-4.54776E-01	-2.11018E+00	2.26364E+00	-1.93808E-01	4.91066E+00	0.0511
172.02	-0.990322	-4.56479E-01	-2.10637E+00	2.31751E+00	-1.93439E-01	5.02672E+00	0.0759
172.52	-0.991492	-4.89981E-01	-2.09094E+00	2.35936E+00	-1.61942E-01	5.10246E+00	0.0961
173.02	-0.992587	-5.54223E-01	-2.06490E+00	2.38951E+00	-1.00781E-01	5.14544E+00	0.1116
173.52	-0.993607	-6.47026E-01	-2.02951E+00	2.40860E+00	-1.24056E-02	5.16952E+00	0.1222
174.02	-0.994552	-7.65138E-01	-1.98628E+00	2.41754E+00	9.98257E-02	5.19261E+00	0.1275
174.52	-0.995422	-9.04379E-01	-1.93689E+00	2.41752E+00	2.31775E-01	5.23379E+00	0.1269
175.01	-0.996216	-1.05981E+00	-1.88315E+00	2.40990E+00	3.78638E-01	5.31022E+00	0.1207
175.51	-0.996934	-1.22583E+00	-1.82696E+00	2.39622E+00	5.35103E-01	5.43431E+00	0.1093
176.01	-0.997578	-1.39654E+00	-1.77024E+00	2.37807E+00	6.95576E-01	5.61156E+00	0.0940
176.51	-0.998145	-1.56568E+00	-1.71489E+00	2.35715E+00	8.54284E-01	5.83909E+00	0.0765
177.01	-0.998637	-1.72724E+00	-1.66271E+00	2.33508E+00	1.00559E+00	6.10588E+00	0.0586
177.51	-0.999053	-1.87533E+00	-1.61540E+00	2.31339E+00	1.14406E+00	6.39352E+00	0.0418
178.01	-0.999394	-2.00460E+00	-1.57449E+00	2.29352E+00	1.26478E+00	6.67866E+00	0.0271
178.50	-0.999659	-2.11037E+00	-1.54124E+00	2.27669E+00	1.36347E+00	6.93573E+00	0.0154
179.00	-0.999849	-2.18876E+00	-1.51672E+00	2.26394E+00	1.43657E+00	7.14013E+00	0.0069
179.50	-0.999962	-2.23699E+00	-1.50170E+00	2.25596E+00	1.48150E+00	7.27171E+00	0.0017
180.00	-1.000000	-2.25325E+00	-1.49665E+00	2.25325E+00	1.49665E+00	7.31710E+00	0.0000

Angle	S-sub-1		T-sub-1		T-sub-2	
0.00	2.54536E+02	2.17950E+01	1.07914E+02	1.15474E+03	1.46621E+02	-1.13295E+03
180.00	-2.25325E+00	-1.49665E+00	2.52492E+02	-2.66969E+02	2.50239E+02	-2.68465E+02

Efficiency factors for			Asymmetry
Extinction	Scattering	Absorption	Factor
2.317876	1.262521	1.055355	0.941075

SPIKE = 1.000000E+00