model: ../m5_2401a.bin.jcd T= 3524.11s

1-r/R	1-tau/T	gamma1	c(cm/s)	p(dyn/cm^2)	den(g/cm^3)	vc(mHz)	N^2(1/s^2)	f0/T	f1/T	f2/T	f3/T
1.0000	1.0000	1.6631	5.0716E+007	2.3909E+017	1.5459E+002	0.0000	0.0000E+000	0.0000	0.0000	0.0000	0.0000
0.9939	0.9976	1.6631	5.0725E+007	2.3846E+017	1.5413E+002	0.0475	1.8378E-007	0.0000	0.0000	0.0000	0.0000
0.9885	0.9955	1.6631	5.0755E+007	2.3692E+017	1.5296E+002	0.0896	4.4179E-007	0.0000	0.0000	0.0000	0.0000
0.9830	0.9934	1.6631	5.0803E+007	2.3443E+017	1.5106E+002	0.1318	9.4206E-007	0.0000	0.0000	0.0000	0.0000
0.9773	0.9912	1.6631	5.0866E+007	2.3097E+017	1.4847E+002	0.1733	1.5984E-006	1.0445	0.0000	0.0000	0.0000
0.9715	0.9889	1.6632	5.0942E+007	2.2657E+017	1.4521E+002	0.2142	2.3804E-006	1.0410	0.0000	0.0000	0.0000
0.9656	0.9866	1.6632	5.1027E+007	2.2123E+017	1.4131E+002	0.2541	3.2479E-006	1.0380	0.0000	0.0000	0.0000
0.9595	0.9843	1.6632	5.1116E+007	2.1495E+017	1.3682E+002	0.2931	4.1591E-006	1.0352	0.0000	0.0000	0.0000
0.9531	0.9818	1.6633	5.1204E+007	2.0775E+017	1.3179E+002	0.3308	5.0700E-006	1.0325	0.0000	0.0000	0.0000
0.9464	0.9792	1.6633	5.1283E+007	1.9965E+017	1.2627E+002	0.3673	5.9356E-006	1.0296	0.0000	0.0000	0.0000
0.9394	0.9765	1.6634	5.1345E+007	1.9066E+017	1.2030E+002	0.4024	6.7161E-006	1.0267	1.0428	0.0000	0.0000
0.9320	0.9737	1.6635	5.1378E+007	1.8083E+017	1.1396E+002	0.4360	7.3777E-006	1.0237	1.0347	0.0000	0.0000
0.9241	0.9706	1.6635	5.1372E+007	1.7020E+017	1.0728E+002	0.4680	7.8916E-006	1.0205	1.0292	0.0000	0.0000
0.9157	0.9674	1.6636	5.1312E+007	1.5883E+017	1.0036E+002	0.4983	8.2378E-006	1.0172	1.0243	0.0000	0.0000
0.9068	0.9640	1.6637	5.1183E+007	1.4683E+017	9.3249E+001	0.5268	8.4075E-006	1.0136	1.0196	0.0000	0.0000
0.8971	0.9602	1.6638	5.0967E+007	1.3431E+017	8.6024E+001	0.5534	8.4051E-006	1.0097	1.0148	1.0330	0.0000
0.8868	0.9562	1.6639	5.0651E+007	1.2144E+017	7.8764E+001	0.5781	8.2669E-006	1.0055	1.0099	1.0226	0.0000
0.8758	0.9519	1.6640	5.0218E+007	1.0846E+017	7.1563E+001	0.6006	8.0204E-006	1.0011	1.0049	1.0147	0.0000
0.8640	0.9472	1.6641	4.9664E+007	9.5622E+016	6.4513E+001	0.6207	7.7232E-006	0.9962	0.9995	1.0075	1.0341
0.8516	0.9423	1.6642	4.8989E+007	8.3228E+016	5.7713E+001	0.6381	7.4338E-006	0.9911	0.9940	1.0006	1.0153
0.8386	0.9370	1.6643	4.8204E+007	7.1563E+016	5.1257E+001	0.6527	7.2025E-006	0.9857	0.9882	0.9937	1.0047
0.8252	0.9314	1.6644	4.7329E+007	6.0862E+016	4.5222E+001	0.6643	7.0444E-006	0.9799	0.9821	0.9869	0.9956
0.8114	0.9256	1.6645	4.6391E+007	5.1281E+016	3.9662E+001	0.6726	6.9835E-006	0.9740	0.9759	0.9800	0.9872
0.7975	0.9197	1.6646	4.5416E+007	4.2880E+016	3.4605E+001	0.6777	7.0030E-006	0.9678	0.9695	0.9731	0.9792
0.7836	0.9135	1.6646	4.4427E+007	3.5642E+016	3.0060E+001	0.6797	7.0727E-006	0.9615	0.9630	0.9662	0.9714
0.7696	0.9072	1.6647	4.3442E+007	2.9495E+016	2.6017E+001	0.6788	7.1482E-006	0.9550	0.9563	0.9592	0.9637
0.7556	0.9008	1.6648	4.2474E+007	2.4329E+016	2.2450E+001	0.6752	7.2105E-006	0.9484	0.9496	0.9521	0.9561
0.7417	0.8943	1.6648	4.1532E+007	2.0028E+016	1.9330E+001	0.6693	7.2495E-006	0.9417	0.9428	0.9450	0.9486
0.7279	0.8876	1.6648	4.0624E+007	1.6473E+016	1.6617E+001	0.6614	7.2870E-006	0.9349	0.9359	0.9379	0.9411
0.7143	0.8809	1.6648	3.9757E+007	1.3549E+016	1.4270E+001	0.6517	7.2980E-006	0.9280	0.9289	0.9307	0.9336
0.7007	0.8741	1.6647	3.8930E+007	1.1153E+016	1.2251E+001	0.6406	7.2345E-006	0.9210	0.9218	0.9235	0.9261
0.6873	0.8673	1.6646	3.8141E+007	9.1936E+015	1.0520E+001	0.6285	7.1171E-006	0.9139	0.9147	0.9162	0.9186
0.6741	0.8603	1.6643	3.7390E+007	7.5938E+015	9.0402E+000	0.6156	6.9679E-006	0.9068	0.9075	0.9090	0.9111
0.6610	0.8533	1.6639	3.6675E+007	6.2878E+015	7.7784E+000	0.6021	6.7944E-006	0.8997	0.9003	0.9016	0.9036
0.6480	0.8463	1.6634	3.5995E+007	5.2212E+015	6.7033E+000	0.5883	6.5991E-006	0.8925	0.8931	0.8943	0.8961
0.6352	0.8392	1.6630	3.5351E+007	4.3491E+015	5.7877E+000	0.5744	6.3846E-006	0.8853	0.8858	0.8869	0.8886
0.6225	0.8320	1.6628	3.4739E+007	3.6347E+015	5.0080E+000	0.5605	6.1556E-006	0.8780	0.8785	0.8795	0.8811
0.6100	0.8248	1.6627	3.4159E+007	3.0482E+015	4.3436E+000	0.5468	5.9150E-006	0.8707	0.8711	0.8721	0.8736
0.5976	0.8176	1.6628	3.3607E+007	2.5654E+015	3.7770E+000	0.5334	5.6670E-006	0.8633	0.8638	0.8647	0.8660
0.5854	0.8104	1.6632	3.3080E+007	2.1667E+015	3.2932E+000	0.5203	5.4169E-006	0.8560	0.8564	0.8572	0.8585
0.5733	0.8031	1.6637	3.2575E+007	1.8365E+015	2.8794E+000	0.5076	5.1666E-006	0.8486	0.8490	0.8498	0.8509
0.5614	0.7958	1.6642	3.2089E+007	1.5621E+015	2.5246E+000	0.4953	4.9220E-006	0.8412	0.8416	0.8423	0.8434
0.5496	0.7885	1.6648	3.1621E+007	1.3332E+015	2.2198E+000	0.4835	4.6863E-006	0.8338	0.8341	0.8348	0.8358

model: ../m5_2401a.bin.jcd T= 3524.1098

1-r/R	1-tau/T	gamma1	c(cm/s)	p(dyn/cm^2)	den(g/cm^3)	vc(mHz)	N^2(1/s^2)	f0/T	f1/T	f2/T	f3/T
0.5380	0.7812	1.6653	3.1168E+007	1.1418E+015	1.9573E+000	0.4722	4.4614E-006	0.8264	0.8267	0.8273	0.8283
0.5265	0.7739	1.6658	3.0728E+007	9.8099E+014	1.7306E+000	0.4612	4.2483E-006	0.8189	0.8192	0.8198	0.8207
0.5151	0.7665	1.6661	3.0302E+007	8.4554E+014	1.5342E+000	0.4508	4.0468E-006	0.8115	0.8118	0.8123	0.8132
0.5039	0.7591	1.6663	2.9889E+007	7.3105E+014	1.3637E+000	0.4407	3.8565E-006	0.8040	0.8043	0.8048	0.8056
0.4928	0.7518	1.6665	2.9486E+007	6.3395E+014	1.2151E+000	0.4311	3.6764E-006	0.7966	0.7968	0.7973	0.7981
0.4818	0.7444	1.6666	2.9095E+007	5.5134E+014	1.0854E+000	0.4219	3.5061E-006	0.7891	0.7893	0.7898	0.7905
0.4710	0.7370	1.6665	2.8714E+007	4.8081E+014	9.7187E-001	0.4131	3.3444E-006	0.7816	0.7818	0.7823	0.7829
0.4603	0.7295	1.6665	2.8342E+007	4.2043E+014	8.7221E-001	0.4047	3.1904E-006	0.7741	0.7743	0.7748	0.7754
0.4497	0.7221	1.6663	2.7980E+007	3.6857E+014	7.8451E-001	0.3967	3.0435E-006	0.7666	0.7668	0.7672	0.7678
0.4393	0.7147	1.6662	2.7625E+007	3.2390E+014	7.0717E-001	0.3891	2.9025E-006	0.7592	0.7593	0.7597	0.7603
0.4290	0.7073	1.6660	2.7278E+007	2.8531E+014	6.3880E-001	0.3818	2.7670E-006	0.7517	0.7518	0.7522	0.7527
0.4188	0.6998	1.6658	2.6937E+007	2.5187E+014	5.7823E-001	0.3749	2.6363E-006	0.7442	0.7443	0.7447	0.7451
0.4087	0.6924	1.6656	2.6603E+007	2.2284E+014	5.2445E-001	0.3683	2.5097E-006	0.7367	0.7368	0.7371	0.7376
0.3987	0.6849	1.6654	2.6273E+007	1.9755E+014	4.7661E-001	0.3621	2.3863E-006	0.7292	0.7293	0.7296	0.7300
0.3889	0.6775	1.6652	2.5948E+007	1.7546E+014	4.3397E-001	0.3562	2.2656E-006	0.7216	0.7218	0.7221	0.7225
0.3791	0.6700	1.6650	2.5626E+007	1.5613E+014	3.9589E-001	0.3506	2.1469E-006	0.7141	0.7143	0.7145	0.7149
0.3695	0.6626	1.6649	2.5306E+007	1.3917E+014	3.6183E-001	0.3453	2.0289E-006	0.7066	0.7067	0.7070	0.7073
0.3600	0.6551	1.6647	2.4987E+007	1.2426E+014	3.3131E-001	0.3404	1.9111E-006	0.6991	0.6992	0.6994	0.6998
0.3506	0.6476	1.6645	2.4668E+007	1.1111E+014	3.0392E-001	0.3358	1.7917E-006	0.6916	0.6917	0.6919	0.6922
0.3413	0.6402	1.6643	2.4349E+007	9.9495E+013	2.7931E-001	0.3315	1.6697E-006	0.6841	0.6842	0.6844	0.6847
0.3322	0.6327	1.6642	2.4027E+007	8.9211E+013	2.5717E-001	0.3275	1.5436E-006	0.6765	0.6766	0.6768	0.6771
0.3231	0.6252	1.6640	2.3701E+007	8.0087E+013	2.3724E-001	0.3239	1.4092E-006	0.6690	0.6691	0.6693	0.6696
0.3142	0.6177	1.6639	2.3369E+007	7.1974E+013	2.1929E-001	0.3207	1.2621E-006	0.6615	0.6616	0.6617	0.6620
0.3054	0.6102	1.6637	2.3028E+007	6.4745E+013	2.0313E-001	0.3178	1.0965E-006	0.6540	0.6540	0.6542	0.6544
0.2968	0.6027	1.6636	2.2674E+007	5.8291E+013	1.8861E-001	0.3154	9.0188E-007	0.6464	0.6465	0.6466	0.6469
0.2882	0.5952	1.6634	2.2304E+007	5.2516E+013	1.7561E-001	0.3135	6.6227E-007	0.6389	0.6390	0.6391	0.6393
0.2799	0.5877	1.6633	2.1909E+007	4.7335E+013	1.6402E-001	0.3122	3.6833E-007	0.6313	0.6314	0.6315	0.6317
0.2721	0.5806	1.6632	2.1506E+007	4.2912E+013	1.5431E-001	0.3117	0.0000E+000	0.6242	0.6243	0.6244	0.6246
0.2635	0.5727	1.6630	2.1043E+007	3.8477E+013	1.4451E-001	0.3117	-8.1039E-013	0.6163	0.6163	0.6164	0.6166
0.2556	0.5652	1.6629	2.0612E+007	3.4690E+013	1.3578E-001	0.3119	-1.3030E-012	0.6087	0.6088	0.6089	0.6090
0.2479	0.5577	1.6628	2.0190E+007	3.1272E+013	1.2757E-001	0.3122	-1.7560E-012	0.6012	0.6012	0.6013	0.6015
0.2403	0.5502	1.6627	1.9775E+007	2.8186E+013	1.1984E-001	0.3128	-2.2211E-012	0.5936	0.5937	0.5938	0.5939
0.2329	0.5427	1.6626	1.9369E+007	2.5399E+013	1.1257E-001	0.3135	-2.6946E-012	0.5861	0.5861	0.5862	0.5863
0.2256	0.5352	1.6625	1.8969E+007	2.2881E+013	1.0571E-001	0.3144	-3.1765E-012	0.5785	0.5786	0.5786	0.5788
0.2184	0.5277	1.6625	1.8577E+007	2.0605E+013	9.9259E-002	0.3155	-3.6747E-012	0.5710	0.5710	0.5711	0.5712
0.2114	0.5202	1.6624	1.8192E+007	1.8549E+013	9.3176E-002	0.3168	-4.1947E-012	0.5634	0.5635	0.5635	0.5636
0.2046	0.5127	1.6624	1.7813E+007	1.6690E+013	8.7441E-002	0.3182	-4.7301E-012	0.5559	0.5559	0.5560	0.5561
0.1979	0.5052	1.6624	1.7440E+007	1.5010E+013	8.2034E-002	0.3199	-5.3057E-012	0.5483	0.5483	0.5484	0.5485
0.1913	0.4977	1.6625	1.7074E+007	1.3491E+013	7.6934E-002	0.3217	-5.9328E-012	0.5408	0.5408	0.5408	0.5409
0.1849	0.4901	1.6626	1.6713E+007	1.2118E+013	7.2125E-002	0.3237	-6.6211E-012	0.5332	0.5332	0.5333	0.5334
0.1786	0.4826	1.6628	1.6358E+007	1.0877E+013	6.7588E-002	0.3260	-7.3614E-012	0.5256	0.5257	0.5257	0.5258
0.1725	0.4751	1.6630	1.6009E+007	9.7559E+012	6.3308E-002	0.3284	-8.1924E-012	0.5181	0.5181	0.5182	0.5183
0.1665	0.4676	1.6633	1.5664E+007	8.7432E+012	5.9271E-002	0.3310	-9.1272E-012	0.5105	0.5106	0.5106	0.5107

model: ../m5_2401a.bin.jcd T= 3524.1098

1-r/R	1-tau/T	gamma1	c(cm/s)	p(dyn/cm^2)	den(g/cm^3)	vc(mHz)	N^2(1/s^2)	f0/T	f1/T	f2/T	f3/T
0.1606	0.4601	1.6636	1.5324E+007	7.8286E+012	5.5462E-002	0.3339	-1.0178E-011	0.5030	0.5030	0.5031	0.5031
0.1548	0.4526	1.6638	1.4988E+007	7.0030E+012	5.1868E-002	0.3369	-1.1356E-011	0.4954	0.4955	0.4955	0.4956
0.1492	0.4451	1.6641	1.4657E+007	6.2581E+012	4.8478E-002	0.3402	-1.2693E-011	0.4879	0.4879	0.4880	0.4880
0.1437	0.4376	1.6643	1.4329E+007	5.5863E+012	4.5281E-002	0.3437	-1.4206E-011	0.4803	0.4804	0.4804	0.4805
0.1383	0.4301	1.6644	1.4005E+007	4.9809E+012	4.2265E-002	0.3474	-1.5916E-011	0.4728	0.4728	0.4729	0.4729
0.1331	0.4226	1.6645	1.3685E+007	4.4356E+012	3.9421E-002	0.3514	-1.7861E-011	0.4653	0.4653	0.4653	0.4654
0.1280	0.4151	1.6646	1.3369E+007	3.9449E+012	3.6740E-002	0.3556	-2.0074E-011	0.4577	0.4577	0.4578	0.4578
0.1229	0.4077	1.6646	1.3056E+007	3.5036E+012	3.4213E-002	0.3601	-2.2601E-011	0.4502	0.4502	0.4502	0.4503
0.1181	0.4002	1.6647	1.2747E+007	3.1070E+012	3.1831E-002	0.3649	-2.5497E-011	0.4426	0.4427	0.4427	0.4427
0.1133	0.3927	1.6647	1.2441E+007	2.7512E+012	2.9588E-002	0.3699	-2.8822E-011	0.4351	0.4351	0.4351	0.4352
0.1087	0.3852	1.6647	1.2139E+007	2.4320E+012	2.7476E-002	0.3753	-3.2659E-011	0.4276	0.4276	0.4276	0.4276
0.1041	0.3778	1.6647	1.1840E+007	2.1462E+012	2.5488E-002	0.3810	-3.7090E-011	0.4201	0.4201	0.4201	0.4201
0.0997	0.3703	1.6648	1.1544E+007	1.8904E+012	2.3617E-002	0.3870	-4.2237E-011	0.4125	0.4125	0.4126	0.4126
0.0954	0.3628	1.6648	1.1251E+007	1.6620E+012	2.1859E-002	0.3934	-4.8220E-011	0.4050	0.4050	0.4050	0.4051
0.0912	0.3554	1.6647	1.0960E+007	1.4581E+012	2.0206E-002	0.4002	-5.5208E-011	0.3975	0.3975	0.3975	0.3976
0.0871	0.3480	1.6647	1.0673E+007	1.2765E+012	1.8655E-002	0.4073	-6.3396E-011	0.3900	0.3900	0.3900	0.3900
0.0832	0.3405	1.6645	1.0388E+007	1.1150E+012	1.7198E-002	0.4149	-7.3018E-011	0.3825	0.3825	0.3825	0.3825
0.0793	0.3331	1.6642	1.0106E+007	9.7155E+011	1.5833E-002	0.4229	-8.4380E-011	0.3750	0.3750	0.3750	0.3750
0.0756	0.3257	1.6639	9.8256E+006	8.4444E+011	1.4553E-002	0.4314	-9.7835E-011	0.3675	0.3675	0.3675	0.3675
0.0720	0.3183	1.6633	9.5481E+006	7.3201E+011	1.3356E-002	0.4404	-1.1381E-010	0.3600	0.3600	0.3600	0.3601
0.0685	0.3109	1.6627	9.2729E+006	6.3277E+011	1.2235E-002	0.4499	-1.3286E-010	0.3526	0.3526	0.3526	0.3526
0.0650	0.3035	1.6618	9.0000E+006	5.4538E+011	1.1189E-002	0.4599	-1.5569E-010	0.3451	0.3451	0.3451	0.3451
0.0617	0.2962	1.6607	8.7295E+006	4.6860E+011	1.0212E-002	0.4706	-1.8316E-010	0.3376	0.3376	0.3377	0.3377
0.0585	0.2888	1.6594	8.4611E+006	4.0132E+011	9.3020E-003	0.4818	-2.1635E-010	0.3302	0.3302	0.3302	0.3302
0.0554	0.2815	1.6577	8.1950E+006	3.4253E+011	8.4547E-003	0.4938	-2.5661E-010	0.3228	0.3228	0.3228	0.3228
0.0525	0.2742	1.6556	7.9310E+006	2.9130E+011	7.6670E-003	0.5064	-3.0564E-010	0.3153	0.3153	0.3154	0.3154
0.0496	0.2669	1.6529	7.6691E+006	2.4680E+011	6.9360E-003	0.5197	-3.6565E-010	0.3079	0.3079	0.3080	0.3080
0.0468	0.2596	1.6498	7.4097E+006	2.0828E+011	6.2588E-003	0.5338	-4.3939E-010	0.3006	0.3006	0.3006	0.3006
0.0441	0.2524	1.6462	7.1529E+006	1.7505E+011	5.6323E-003	0.5486	-5.3046E-010	0.2932	0.2932	0.2932	0.2932
0.0416	0.2451	1.6420	6.8989E+006	1.4649E+011	5.0540E-003	0.5644	-6.4332E-010	0.2858	0.2858	0.2858	0.2858
0.0391	0.2379	1.6370	6.6473E+006	1.2205E+011	4.5215E-003	0.5810	-7.8397E-010	0.2785	0.2785	0.2785	0.2785
0.0367	0.2308	1.6305	6.3977E+006	1.0121E+011	4.0321E-003	0.5983	-9.5916E-010	0.2712	0.2712	0.2712	0.2712
0.0345	0.2236	1.6223	6.1499E+006	8.3539E+010	3.5833E-003	0.6164	-1.1779E-009	0.2639	0.2639	0.2639	0.2639
0.0323	0.2165	1.6121	5.9047E+006	6.8621E+010	3.1729E-003	0.6351	-1.4513E-009	0.2566	0.2566	0.2566	0.2566
0.0302	0.2095	1.6005	5.6637E+006	5.6095E+010	2.7988E-003	0.6546	-1.7950E-009	0.2494	0.2494	0.2494	0.2494
0.0283	0.2025	1.5881	5.4288E+006	4.5630E+010	2.4588E-003	0.6749	-2.2293E-009	0.2422	0.2422	0.2422	0.2422
0.0264	0.1955	1.5763	5.2022E+006	3.6933E+010	2.1512E-003	0.6964	-2.7847E-009	0.2351	0.2351	0.2351	0.2351
0.0246	0.1886	1.5665	4.9856E+006	2.9736E+010	1.8740E-003	0.7194	-3.5054E-009	0.2280	0.2280	0.2280	0.2280
0.0229	0.1817	1.5602	4.7802E+006	2.3807E+010	1.6255E-003	0.7448	-4.4561E-009	0.2209	0.2209	0.2209	0.2209
0.0213	0.1749	1.5587	4.5860E+006	1.8942E+010	1.4038E-003	0.7730	-5.7345E-009	0.2138	0.2138	0.2139	0.2139
0.0198	0.1682	1.5626	4.4015E+006	1.4967E+010	1.2072E-003	0.8049	-7.4829E-009	0.2069	0.2069	0.2069	0.2069
0.0183	0.1615	1.5709	4.2232E+006	1.1733E+010	1.0335E-003	0.8409	-9.9011E-009	0.1999	0.1999	0.1999	0.1999
0.0169	0.1549	1.5806	4.0453E+006	9.1190E+009	8.8075E-004	0.8807	-1.3245E-008	0.1930	0.1930	0.1930	0.1930

model: ../m5_2401a.bin.jcd T= 3524.1098

1-r/R	1-tau/T	gamma1	c(cm/s)	p(dyn/cm^2)	den(g/cm^3)	vc(mHz)	N^2(1/s^2)	f0/T	f1/T	f2/T	f3/T
0.0156	0.1483	1.5861	3.8619E+006	7.0234E+009	7.4692E-004	0.9233	-1.7833E-008	0.1862	0.1862	0.1862	0.1862
0.0144	0.1419	1.5826	3.6700E+006	5.3614E+009	6.2998E-004	0.9671	-2.4019E-008	0.1794	0.1794	0.1794	0.1794
0.0132	0.1355	1.5679	3.4719E+006	4.0601E+009	5.2814E-004	1.0104	-3.2239E-008	0.1726	0.1726	0.1726	0.1726
0.0122	0.1293	1.5440	3.2741E+006	3.0539E+009	4.3987E-004	1.0528	-4.3038E-008	0.1660	0.1660	0.1660	0.1660
0.0112	0.1232	1.5145	3.0836E+006	2.2844E+009	3.6386E-004	1.0943	-5.7143E-008	0.1595	0.1595	0.1595	0.1595
0.0103	0.1172	1.4836	2.9057E+006	1.7013E+009	2.9894E-004	1.1356	-7.5581E-008	0.1530	0.1530	0.1530	0.1530
0.0095	0.1114	1.4545	2.7430E+006	1.2621E+009	2.4399E-004	1.1773	-9.9901E-008	0.1467	0.1467	0.1467	0.1467
0.0087	0.1057	1.4288	2.5955E+006	9.3296E+008	1.9788E-004	1.2204	-1.3225E-007	0.1405	0.1405	0.1405	0.1405
0.0080	0.1002	1.4072	2.4622E+006	6.8744E+008	1.5957E-004	1.2652	-1.7565E-007	0.1344	0.1344	0.1344	0.1344
0.0073	0.0948	1.3890	2.3408E+006	5.0489E+008	1.2800E-004	1.3119	-2.3402E-007	0.1284	0.1284	0.1284	0.1284
0.0067	0.0895	1.3732	2.2288E+006	3.6949E+008	1.0214E-004	1.3604	-3.1263E-007	0.1225	0.1225	0.1225	0.1225
0.0061	0.0843	1.3586	2.1247E+006	2.6947E+008	8.1101E-005	1.4103	-4.1827E-007	0.1167	0.1167	0.1167	0.1167
0.0056	0.0793	1.3444	2.0273E+006	1.9604E+008	6.4130E-005	1.4611	-5.5910E-007	0.1110	0.1110	0.1110	0.1110
0.0051	0.0745	1.3303	1.9359E+006	1.4224E+008	5.0491E-005	1.5125	-7.4655E-007	0.1054	0.1054	0.1054	0.1054
0.0047	0.0697	1.3164	1.8502E+006	1.0294E+008	3.9583E-005	1.5645	-9.9608E-007	0.0999	0.0999	0.0999	0.0999
0.0043	0.0651	1.3029	1.7705E+006	7.4443E+007	3.0942E-005	1.6169	-1.3266E-006	0.0945	0.0945	0.0945	0.0945
0.0039	0.0606	1.2900	1.6959E+006	5.3717E+007	2.4093E-005	1.6699	-1.7667E-006	0.0891	0.0891	0.0891	0.0891
0.0035	0.0563	1.2779	1.6264E+006	3.8717E+007	1.8704E-005	1.7237	-2.3518E-006	0.0838	0.0838	0.0838	0.0838
0.0032	0.0521	1.2666	1.5615E+006	2.7884E+007	1.4484E-005	1.7782	-3.1300E-006	0.0786	0.0786	0.0786	0.0786
0.0028	0.0479	1.2561	1.5009E+006	2.0074E+007	1.1194E-005	1.8337	-4.1647E-006	0.0735	0.0735	0.0735	0.0735
0.0025	0.0439	1.2465	1.4436E+006	1.4422E+007	8.6257E-006	1.8906	-5.5522E-006	0.0684	0.0684	0.0684	0.0684
0.0023	0.0401	1.2376	1.3898E+006	1.0365E+007	6.6412E-006	1.9488	-7.4028E-006	0.0633	0.0633	0.0633	0.0633
0.0020	0.0363	1.2295	1.3386E+006	7.4371E+006	5.1032E-006	2.0090	-9.8945E-006	0.0583	0.0583	0.0583	0.0583
0.0018	0.0326	1.2221	1.2899E+006	5.3397E+006	3.9222E-006	2.0713	-1.3240E-005	0.0533	0.0533	0.0533	0.0533
0.0015	0.0290	1.2154	1.2430E+006	3.8294E+006	3.0125E-006	2.1367	-1.7783E-005	0.0483	0.0483	0.0483	0.0483
0.0013	0.0256	1.2094	1.1974E+006	2.7409E+006	2.3123E-006	2.2063	-2.4024E-005	0.0432	0.0432	0.0432	0.0432
0.0011	0.0222	1.2043	1.1528E+006	1.9615E+006	1.7776E-006	2.2809	-3.2647E-005	0.0382	0.0382	0.0382	0.0382
0.0009	0.0189	1.2002	1.1089E+006	1.4045E+006	1.3709E-006	2.3623	-4.4732E-005	0.0330	0.0330	0.0330	0.0330
0.0008	0.0158	1.1975	1.0646E+006	1.0025E+006	1.0593E-006	2.4543	-6.2297E-005	0.0277	0.0277	0.0277	0.0277
0.0006	0.0127	1.1973	1.0196E+006	7.1467E+005	8.2317E-007	2.5614	-8.8745E-005	0.0222	0.0222	0.0222	0.0222
0.0004	0.0098	1.2022	9.7297E+005	5.0774E+005	6.4478E-007	2.6941	-1.3168E-004	0.0161	0.0161	0.0161	0.0161
0.0003	0.0070	1.2201	9.2479E+005	3.6009E+005	5.1372E-007	2.8759	-2.1137E-004	0.0085	0.0085	0.0085	0.0085
0.0002	0.0043	1.2928	8.7640E+005	2.5058E+005	4.2176E-007	3.2147	-4.3093E-004	0.0000	0.0000	0.0000	0.0000
0.0001	0.0017	1.6082	8.2444E+005	1.6556E+005	3.9171E-007	4.2501	-6.0124E-004	0.0000	0.0000	0.0000	0.0000
-0.0000	-0.0007	1.6580	7.6950E+005	1.0193E+005	2.8539E-007	4.6936	4.6048E-004	0.0000	0.0000	0.0000	0.0000
-0.0001	-0.0030	1.6626	7.4186E+005	6.2704E+004	1.8943E-007	4.8813	5.9561E-004	0.0000	0.0000	0.0000	0.0000
-0.0002	-0.0052	1.6627	7.1777E+005	3.8358E+004	1.2380E-007	5.0447	6.5559E-004	0.0000	0.0000	0.0000	0.0000
-0.0003	-0.0074	1.6624	6.9949E+005	2.3514E+004	7.9892E-008	5.1747	8.0819E-004	0.0000	0.0000	0.0000	0.0000
-0.0003	-0.0095	1.6622	6.8930E+005	1.4371E+004	5.0276E-008	5.2498	9.3513E-004	0.0000	0.0000	0.0000	0.0000
-0.0004	-0.0116	1.6620	6.8436E+005	8.7979E+003	3.1221E-008	5.2863	1.0061E-003	0.0000	0.0000	0.0000	0.0000
-0.0005	-0.0137	1.6619	6.8209E+005	5.3857E+003	1.9238E-008	5.3026	1.0409E-003	0.0000	0.0000	0.0000	0.0000
-0.0006	-0.0158	1.6619	6.8110E+005	3.2836E+003	1.1763E-008	5.3095	1.0571E-003	0.0000	0.0000	0.0000	0.0000
-0.0006	-0.0179	1.6620	6.8073E+005	2.0010E+003	7.1766E-009	5.3120	1.0645E-003	0.0000	0.0000	0.0000	0.0000