model: ../m4_2401a.bin.jcd T= 3523.05s

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	1.6630	5.0210E+007	2.4755E+017	1.6330E+002	0.0000	0.0000E+000	0.0000	0.0000	0.0000	0.0000
0.9943	0.9978	1.6630	5.0220E+007	2.4693E+017	1.6283E+002	0.0475	1.8420E-007	0.0000	0.0000	0.0000	0.0000
0.9893	0.9958	1.6630	5.0253E+007	2.4546E+017	1.6164E+002	0.0893	4.6357E-007	0.0000	0.0000	0.0000	0.0000
0.9841	0.9938	1.6631	5.0304E+007	2.4304E+017	1.5973E+002	0.1309	9.8101E-007	0.0000	0.0000	0.0000	0.0000
0.9789	0.9917	1.6631	5.0373E+007	2.3972E+017	1.5712E+002	0.1720	1.6658E-006	1.0475	0.0000	0.0000	0.0000
0.9736	0.9896	1.6631	5.0458E+007	2.3550E+017	1.5383E+002	0.2123	2.4854E-006	1.0438	0.0000	0.0000	0.0000
0.9681	0.9875	1.6631	5.0555E+007	2.3038E+017	1.4991E+002	0.2518	3.4035E-006	1.0409	0.0000	0.0000	0.0000
0.9625	0.9853	1.6632	5.0661E+007	2.2437E+017	1.4539E+002	0.2902	4.3767E-006	1.0382	0.0000	0.0000	0.0000
0.9566	0.9830	1.6632	5.0771E+007	2.1748E+017	1.4032E+002	0.3274	5.3632E-006	1.0356	0.0000	0.0000	0.0000
0.9505	0.9806	1.6633	5.0879E+007	2.0973E+017	1.3475E+002	0.3633	6.3176E-006	1.0330	0.0000	0.0000	0.0000
0.9442	0.9782	1.6633	5.0979E+007	2.0114E+017	1.2873E+002	0.3979	7.1997E-006	1.0303	0.0000	0.0000	0.0000
0.9374	0.9755	1.6634	5.1062E+007	1.9174E+017	1.2232E+002	0.4309	7.9696E-006	1.0275	1.0413	0.0000	0.0000
0.9303	0.9728	1.6634	5.1117E+007	1.8155E+017	1.1558E+002	0.4623	8.5967E-006	1.0246	1.0349	0.0000	0.0000
0.9227	0.9699	1.6635	5.1134E+007	1.7063E+017	1.0856E+002	0.4921	9.0573E-006	1.0215	1.0299	0.0000	0.0000
0.9146	0.9667	1.6636	5.1098E+007	1.5904E+017	1.0133E+002	0.5201	9.3354E-006	1.0182	1.0252	0.0000	0.0000
0.9059	0.9633	1.6637	5.0995E+007	1.4687E+017	9.3963E+001	0.5463	9.4237E-006	1.0147	1.0207	0.0000	0.0000
0.8965	0.9597	1.6638	5.0809E+007	1.3425E+017	8.6521E+001	0.5707	9.3315E-006	1.0109	1.0160	1.0336	0.0000
0.8865	0.9558	1.6639	5.0523E+007	1.2132E+017	7.9083E+001	0.5930	9.0964E-006	1.0069	1.0113	1.0238	0.0000
0.8756	0.9515	1.6640	5.0123E+007	1.0830E+017	7.1732E+001	0.6132	8.7491E-006	1.0025	1.0063	1.0161	0.0000
0.8641	0.9470	1.6641	4.9600E+007	9.5453E+016	6.4566E+001	0.6312	8.3486E-006	0.9977	1.0010	1.0090	1.0358
0.8518	0.9420	1.6642	4.8954E+007	8.3049E+016	5.7672E+001	0.6467	7.9565E-006	0.9927	0.9955	1.0022	1.0170
0.8389	0.9368	1.6643	4.8193E+007	7.1372E+016	5.1142E+001	0.6594	7.6277E-006	0.9872	0.9898	0.9954	1.0064
0.8256	0.9313	1.6644	4.7339E+007	6.0660E+016	4.5053E+001	0.6693	7.3803E-006	0.9815	0.9837	0.9886	0.9973
0.8119	0.9255	1.6645	4.6415E+007	5.1068E+016	3.9455E+001	0.6762	7.2401E-006	0.9756	0.9775	0.9817	0.9889
0.7980	0.9195	1.6645	4.5449E+007	4.2659E+016	3.4376E+001	0.6800	7.1933E-006	0.9694	0.9711	0.9748	0.9809
0.7839	0.9133	1.6646	4.4466E+007	3.5423E+016	2.9823E+001	0.6809	7.2070E-006	0.9631	0.9646	0.9678	0.9730
0.7699	0.9070	1.6647	4.3485E+007	2.9283E+016	2.5780E+001	0.6789	7.2378E-006	0.9565	0.9579	0.9607	0.9653
0.7558	0.9006	1.6647	4.2518E+007	2.4132E+016	2.2222E+001	0.6745	7.2618E-006	0.9499	0.9511	0.9537	0.9577
0.7418	0.8940	1.6648	4.1577E+007	1.9848E+016	1.9115E+001	0.6678	7.2676E-006	0.9431	0.9442	0.9465	0.9501
0.7279	0.8873	1.6648	4.0667E+007	1.6311E+016	1.6419E+001	0.6593	7.2749E-006	0.9363	0.9373	0.9393	0.9425
0.7142	0.8805	1.6648	3.9799E+007	1.3407E+016	1.4091E+001	0.6491	7.2680E-006	0.9293	0.9302	0.9321	0.9350
0.7005	0.8737	1.6647	3.8972E+007	1.1030E+016	1.2090E+001	0.6375	7.1928E-006	0.9223	0.9231	0.9248	0.9275
0.6870	0.8668	1.6645	3.8183E+007	9.0887E+015	1.0377E+001	0.6250	7.0623E-006	0.9152	0.9160	0.9175	0.9199
0.6736	0.8598	1.6642	3.7431E+007	7.5049E+015	8.9142E+000	0.6117	6.9015E-006	0.9081	0.9088	0.9102	0.9124
0.6604	0.8527	1.6638	3.6717E+007	6.2130E+015	7.6681E+000	0.5980	6.7191E-006	0.9009	0.9015	0.9028	0.9048
0.6473	0.8456	1.6634	3.6038E+007	5.1587E+015	6.6072E+000	0.5840	6.5162E-006	0.8936	0.8942	0.8954	0.8972
0.6344	0.8385	1.6630	3.5394E+007	4.2971E+015	5.7044E+000	0.5699	6.2958E-006	0.8863	0.8869	0.8880	0.8897
0.6216	0.8313	1.6627	3.4783E+007	3.5916E+015	4.9360E+000	0.5559	6.0619E-006	0.8790	0.8795	0.8805	0.8821
0.6090	0.8240	1.6627	3.4204E+007	3.0126E+015	4.2816E+000	0.5421	5.8179E-006	0.8716	0.8721	0.8730	0.8745
0.5965	0.8168	1.6629	3.3652E+007	2.5360E+015	3.7238E+000	0.5285	5.5680E-006	0.8642	0.8647	0.8656	0.8669
0.5842	0.8095	1.6632	3.3126E+007	2.1426E+015	3.2476E+000	0.5154	5.3168E-006	0.8568	0.8572	0.8581	0.8593
0.5720	0.8021	1.6637	3.2622E+007	1.8167E+015	2.8402E+000	0.5027	5.0668E-006	0.8494	0.8498	0.8505	0.8517
0.5600	0.7948	1.6643	3.2137E+007	1.5459E+015	2.4912E+000	0.4904	4.8231E-006	0.8419	0.8423	0.8430	0.8441

model: ../m4_2401a.bin.jcd T= 3523.0539

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
0.5481	0.7874	1.6648	3.1668E+007	1.3200E+015	2.1912E+000	0.4786	4.5888E-006	0.8345	0.8348	0.8355	0.8365
0.5363	0.7800	1.6654	3.1216E+007	1.1309E+015	1.9329E+000	0.4672	4.3657E-006	0.8270	0.8273	0.8279	0.8289
0.5247	0.7726	1.6658	3.0777E+007	9.7219E+014	1.7097E+000	0.4563	4.1542E-006	0.8195	0.8198	0.8204	0.8213
0.5133	0.7652	1.6661	3.0351E+007	8.3842E+014	1.5164E+000	0.4459	3.9547E-006	0.8120	0.8123	0.8128	0.8137
0.5019	0.7578	1.6663	2.9937E+007	7.2529E+014	1.3485E+000	0.4358	3.7661E-006	0.8045	0.8047	0.8053	0.8061
0.4907	0.7504	1.6665	2.9535E+007	6.2932E+014	1.2022E+000	0.4263	3.5877E-006	0.7970	0.7972	0.7977	0.7984
0.4797	0.7429	1.6665	2.9144E+007	5.4763E+014	1.0745E+000	0.4171	3.4185E-006	0.7894	0.7897	0.7901	0.7908
0.4687	0.7355	1.6665	2.8763E+007	4.7787E+014	9.6262E-001	0.4083	3.2578E-006	0.7819	0.7821	0.7826	0.7832
0.4580	0.7280	1.6664	2.8391E+007	4.1811E+014	8.6441E-001	0.4000	3.1046E-006	0.7744	0.7746	0.7750	0.7756
0.4473	0.7205	1.6663	2.8028E+007	3.6676E+014	7.7797E-001	0.3920	2.9580E-006	0.7668	0.7670	0.7674	0.7680
0.4367	0.7130	1.6661	2.7672E+007	3.2251E+014	7.0172E-001	0.3844	2.8171E-006	0.7593	0.7595	0.7598	0.7604
0.4263	0.7056	1.6660	2.7324E+007	2.8426E+014	6.3429E-001	0.3772	2.6815E-006	0.7517	0.7519	0.7522	0.7528
0.4160	0.6981	1.6658	2.6982E+007	2.5111E+014	5.7455E-001	0.3704	2.5503E-006	0.7442	0.7443	0.7447	0.7452
0.4059	0.6906	1.6656	2.6646E+007	2.2230E+014	5.2149E-001	0.3638	2.4228E-006	0.7366	0.7368	0.7371	0.7375
0.3958	0.6831	1.6654	2.6314E+007	1.9719E+014	4.7428E-001	0.3577	2.2984E-006	0.7291	0.7292	0.7295	0.7299
0.3859	0.6755	1.6652	2.5985E+007	1.7525E+014	4.3219E-001	0.3519	2.1756E-006	0.7215	0.7216	0.7219	0.7223
0.3760	0.6680	1.6650	2.5659E+007	1.5604E+014	3.9460E-001	0.3464	2.0541E-006	0.7139	0.7141	0.7143	0.7147
0.3663	0.6605	1.6648	2.5334E+007	1.3917E+014	3.6098E-001	0.3412	1.9322E-006	0.7064	0.7065	0.7067	0.7071
0.3568	0.6530	1.6646	2.5010E+007	1.2432E+014	3.3085E-001	0.3364	1.8086E-006	0.6988	0.6989	0.6991	0.6995
0.3473	0.6455	1.6645	2.4684E+007	1.1122E+014	3.0382E-001	0.3319	1.6817E-006	0.6912	0.6913	0.6915	0.6919
0.3380	0.6379	1.6643	2.4356E+007	9.9639E+013	2.7954E-001	0.3278	1.5490E-006	0.6836	0.6837	0.6839	0.6842
0.3287	0.6304	1.6641	2.4023E+007	8.9378E+013	2.5773E-001	0.3240	1.4078E-006	0.6761	0.6762	0.6763	0.6766
0.3196	0.6229	1.6640	2.3683E+007	8.0264E+013	2.3811E-001	0.3206	1.2526E-006	0.6685	0.6686	0.6687	0.6690
0.3107	0.6153	1.6638	2.3334E+007	7.2154E+013	2.2050E-001	0.3176	1.0756E-006	0.6609	0.6610	0.6611	0.6614
0.3018	0.6078	1.6637	2.2970E+007	6.4919E+013	2.0470E-001	0.3152	8.6589E-007	0.6533	0.6534	0.6535	0.6538
0.2931	0.6002	1.6636	2.2587E+007	5.8449E+013	1.9060E-001	0.3132	6.0492E-007	0.6457	0.6458	0.6459	0.6462
0.2846	0.5927	1.6634	2.2175E+007	5.2650E+013	1.7811E-001	0.3120	2.5997E-007	0.6381	0.6382	0.6383	0.6385
0.2762	0.5851	1.6633	2.1727E+007	4.7437E+013	1.6714E-001	0.3115	-3.3142E-013	0.6305	0.6306	0.6307	0.6309
0.2680	0.5776	1.6632	2.1280E+007	4.2742E+013	1.5699E-001	0.3114	-8.7330E-013	0.6229	0.6230	0.6231	0.6233
0.2599	0.5700	1.6630	2.0841E+007	3.8511E+013	1.4745E-001	0.3115	-1.2871E-012	0.6153	0.6154	0.6155	0.6157
0.2520	0.5625	1.6629	2.0411E+007	3.4696E+013	1.3848E-001	0.3118	-1.6765E-012	0.6077	0.6078	0.6079	0.6081
0.2443	0.5549	1.6628	1.9990E+007	3.1254E+013	1.3005E-001	0.3123	-2.0689E-012	0.6001	0.6002	0.6003	0.6004
0.2367	0.5473	1.6627	1.9577E+007	2.8148E+013	1.2211E-001	0.3129	-2.4844E-012	0.5925	0.5926	0.5927	0.5928
0.2293	0.5398	1.6626	1.9171E+007	2.5344E+013	1.1465E-001	0.3138	-2.9104E-012	0.5849	0.5850	0.5850	0.5852
0.2220	0.5322	1.6625	1.8773E+007	2.2812E+013	1.0761E-001	0.3148	-3.3521E-012	0.5773	0.5773	0.5774	0.5776
0.2149	0.5246	1.6624	1.8382E+007	2.0525E+013	1.0099E-001	0.3160	-3.8165E-012	0.5697	0.5697	0.5698	0.5699
0.2080	0.5171	1.6624	1.7997E+007	1.8459E+013	9.4745E-002	0.3174	-4.3002E-012	0.5621	0.5621	0.5622	0.5623
0.2012	0.5095	1.6624	1.7619E+007	1.6593E+013	8.8862E-002	0.3189	-4.8117E-012	0.5545	0.5545	0.5546	0.5547
0.1945	0.5019	1.6625	1.7247E+007	1.4908E+013	8.3316E-002	0.3207	-5.3697E-012	0.5469	0.5469	0.5470	0.5471
0.1880	0.4944	1.6626	1.6881E+007	1.3385E+013	7.8088E-002	0.3227	-5.9827E-012	0.5393	0.5393	0.5394	0.5395
0.1816	0.4868	1.6627	1.6521E+007	1.2010E+013	7.3158E-002	0.3248	-6.6478E-012	0.5317	0.5317	0.5317	0.5318
0.1753	0.4792	1.6629	1.6167E+007	1.0768E+013	6.8509E-002	0.3272	-7.3859E-012	0.5240	0.5241	0.5241	0.5242
0.1692	0.4717	1.6632	1.5817E+007	9.6462E+012	6.4126E-002	0.3298	-8.2151E-012	0.5164	0.5165	0.5165	0.5166

model: ../m4_2401a.bin.jcd T= 3523.0539

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
0.1632	0.4641	1.6635	1.5473E+007	8.6340E+012	5.9992E-002	0.3325	-9.1492E-012	0.5088	0.5089	0.5089	0.5090
0.1573	0.4566	1.6638	1.5133E+007	7.7209E+012	5.6093E-002	0.3355	-1.0198E-011	0.5012	0.5012	0.5013	0.5014
0.1516	0.4490	1.6640	1.4797E+007	6.8973E+012	5.2417E-002	0.3387	-1.1381E-011	0.4936	0.4936	0.4937	0.4938
0.1460	0.4415	1.6642	1.4466E+007	6.1550E+012	4.8950E-002	0.3422	-1.2727E-011	0.4860	0.4860	0.4861	0.4861
0.1406	0.4339	1.6644	1.4138E+007	5.4863E+012	4.5681E-002	0.3458	-1.4249E-011	0.4784	0.4784	0.4785	0.4785
0.1352	0.4264	1.6645	1.3815E+007	4.8842E+012	4.2600E-002	0.3497	-1.5977E-011	0.4708	0.4708	0.4709	0.4709
0.1300	0.4188	1.6646	1.3495E+007	4.3426E+012	3.9696E-002	0.3539	-1.7945E-011	0.4632	0.4632	0.4633	0.4633
0.1249	0.4113	1.6646	1.3178E+007	3.8557E+012	3.6959E-002	0.3583	-2.0190E-011	0.4556	0.4556	0.4557	0.4557
0.1200	0.4037	1.6646	1.2865E+007	3.4185E+012	3.4381E-002	0.3630	-2.2766E-011	0.4480	0.4480	0.4481	0.4481
0.1151	0.3962	1.6647	1.2556E+007	3.0261E+012	3.1953E-002	0.3680	-2.5720E-011	0.4404	0.4405	0.4405	0.4405
0.1104	0.3887	1.6647	1.2250E+007	2.6745E+012	2.9668E-002	0.3733	-2.9132E-011	0.4329	0.4329	0.4329	0.4329
0.1058	0.3811	1.6647	1.1948E+007	2.3596E+012	2.7517E-002	0.3789	-3.3068E-011	0.4253	0.4253	0.4253	0.4253
0.1013	0.3736	1.6647	1.1648E+007	2.0780E+012	2.5494E-002	0.3848	-3.7643E-011	0.4177	0.4177	0.4177	0.4178
0.0969	0.3661	1.6648	1.1352E+007	1.8264E+012	2.3593E-002	0.3911	-4.2958E-011	0.4101	0.4101	0.4101	0.4102
0.0927	0.3586	1.6647	1.1059E+007	1.6021E+012	2.1807E-002	0.3978	-4.9169E-011	0.4025	0.4026	0.4026	0.4026
0.0885	0.3511	1.6647	1.0769E+007	1.4023E+012	2.0130E-002	0.4049	-5.6444E-011	0.3950	0.3950	0.3950	0.3950
0.0845	0.3436	1.6645	1.0481E+007	1.2246E+012	1.8556E-002	0.4124	-6.4989E-011	0.3874	0.3874	0.3874	0.3875
0.0806	0.3361	1.6643	1.0195E+007	1.0669E+012	1.7081E-002	0.4203	-7.5089E-011	0.3799	0.3799	0.3799	0.3799
0.0768	0.3287	1.6639	9.9127E+006	9.2713E+011	1.5699E-002	0.4287	-8.7043E-011	0.3723	0.3723	0.3723	0.3724
0.0731	0.3212	1.6634	9.6325E+006	8.0356E+011	1.4406E-002	0.4376	-1.0123E-010	0.3648	0.3648	0.3648	0.3648
0.0695	0.3138	1.6627	9.3546E+006	6.9451E+011	1.3196E-002	0.4470	-1.1816E-010	0.3573	0.3573	0.3573	0.3573
0.0661	0.3063	1.6619	9.0790E+006	5.9849E+011	1.2066E-002	0.4569	-1.3846E-010	0.3497	0.3497	0.3498	0.3498
0.0627	0.2989	1.6608	8.8059E+006	5.1416E+011	1.1012E-002	0.4675	-1.6286E-010	0.3422	0.3422	0.3422	0.3423
0.0595	0.2915	1.6595	8.5349E+006	4.4027E+011	1.0030E-002	0.4786	-1.9235E-010	0.3347	0.3347	0.3347	0.3348
0.0563	0.2841	1.6578	8.2662E+006	3.7571E+011	9.1155E-003	0.4904	-2.2812E-010	0.3272	0.3272	0.3272	0.3273
0.0533	0.2767	1.6558	7.9998E+006	3.1948E+011	8.2657E-003	0.5029	-2.7170E-010	0.3198	0.3198	0.3198	0.3198
0.0503	0.2694	1.6532	7.7355E+006	2.7064E+011	7.4770E-003	0.5161	-3.2501E-010	0.3123	0.3123	0.3123	0.3123
0.0475	0.2621	1.6501	7.4737E+006	2.2836E+011	6.7464E-003	0.5301	-3.9058E-010	0.3048	0.3048	0.3049	0.3049
0.0448	0.2547	1.6466	7.2145E+006	1.9190E+011	6.0707E-003	0.5448	-4.7155E-010	0.2974	0.2974	0.2974	0.2974
0.0422	0.2475	1.6425	6.9583E+006	1.6056E+011	5.4471E-003	0.5605	-5.7195E-010	0.2900	0.2900	0.2900	0.2900
0.0397	0.2402	1.6377	6.7045E+006	1.3374E+011	4.8727E-003	0.5770	-6.9715E-010	0.2826	0.2826	0.2826	0.2826
0.0373	0.2330	1.6315	6.4528E+006	1.1089E+011	4.3449E-003	0.5942	-8.5329E-010	0.2752	0.2752	0.2752	0.2753
0.0350	0.2258	1.6236	6.2030E+006	9.1499E+010	3.8611E-003	0.6123	-1.0484E-009	0.2679	0.2679	0.2679	0.2679
0.0328	0.2186	1.6139	5.9557E+006	7.5138E+010	3.4186E-003	0.6310	-1.2927E-009	0.2606	0.2606	0.2606	0.2606
0.0307	0.2115	1.6025	5.7124E+006	6.1399E+010	3.0153E-003	0.6504	-1.6000E-009	0.2533	0.2533	0.2533	0.2533
0.0287	0.2044	1.5904	5.4751E+006	4.9924E+010	2.6488E-003	0.6707	-1.9887E-009	0.2460	0.2460	0.2460	0.2461
0.0268	0.1974	1.5787	5.2457E+006	4.0388E+010	2.3171E-003	0.6922	-2.4861E-009	0.2388	0.2388	0.2388	0.2388
0.0250	0.1904	1.5689	5.0263E+006	3.2500E+010	2.0183E-003	0.7152	-3.1316E-009	0.2316	0.2317	0.2317	0.2317
0.0232	0.1835	1.5624	4.8178E+006	2.6003E+010	1.7503E-003	0.7405	-3.9833E-009	0.2245	0.2245	0.2245	0.2245
0.0216	0.1766	1.5605	4.6206E+006	2.0677E+010	1.5113E-003	0.7686	-5.1278E-009	0.2174	0.2174	0.2174	0.2174
0.0200	0.1698	1.5639	4.4331E+006	1.6326E+010	1.2992E-003	0.8002	-6.6932E-009	0.2104	0.2104	0.2104	0.2104
0.0186	0.1631	1.5717	4.2519E+006	1.2790E+010	1.1119E-003	0.8360	-8.8572E-009	0.2034	0.2034	0.2034	0.2034
0.0171	0.1564	1.5808	4.0717E+006	9.9333E+009	9.4717E-004	0.8756	-1.1852E-008	0.1964	0.1964	0.1964	0.1964

model: ../m4_2401a.bin.jcd T= 3523.0539

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
0.0158	0.1498	1.5862	3.8863E+006	7.6448E+009	8.0288E-004	0.9180	-1.5968E-008	0.1895	0.1895	0.1895	0.1895
0.0146	0.1433	1.5828	3.6928E+006	5.8312E+009	6.7684E-004	0.9616	-2.1530E-008	0.1826	0.1826	0.1826	0.1827
0.0134	0.1369	1.5686	3.4932E+006	4.4115E+009	5.6709E-004	1.0050	-2.8940E-008	0.1759	0.1759	0.1759	0.1759
0.0123	0.1306	1.5451	3.2938E+006	3.3142E+009	4.7199E-004	1.0476	-3.8709E-008	0.1692	0.1692	0.1692	0.1692
0.0113	0.1245	1.5160	3.1018E+006	2.4761E+009	3.9017E-004	1.0893	-5.1500E-008	0.1626	0.1626	0.1626	0.1626
0.0104	0.1184	1.4854	2.9220E+006	1.8410E+009	3.2029E-004	1.1308	-6.8279E-008	0.1561	0.1561	0.1561	0.1561
0.0096	0.1125	1.4563	2.7575E+006	1.3639E+009	2.6123E-004	1.1729	-9.0425E-008	0.1497	0.1497	0.1497	0.1497
0.0088	0.1068	1.4306	2.6082E+006	1.0064E+009	2.1165E-004	1.2162	-1.1998E-007	0.1434	0.1435	0.1435	0.1435
0.0081	0.1012	1.4089	2.4733E+006	7.4037E+008	1.7052E-004	1.2612	-1.5966E-007	0.1373	0.1373	0.1373	0.1373
0.0074	0.0957	1.3905	2.3501E+006	5.4251E+008	1.3659E-004	1.3083	-2.1320E-007	0.1313	0.1313	0.1313	0.1313
0.0068	0.0904	1.3745	2.2368E+006	3.9629E+008	1.0887E-004	1.3570	-2.8544E-007	0.1253	0.1253	0.1253	0.1253
0.0062	0.0852	1.3597	2.1315E+006	2.8852E+008	8.6350E-005	1.4071	-3.8253E-007	0.1195	0.1195	0.1195	0.1195
0.0057	0.0802	1.3454	2.0329E+006	2.0941E+008	6.8173E-005	1.4583	-5.1250E-007	0.1137	0.1137	0.1137	0.1137
0.0052	0.0753	1.3312	1.9406E+006	1.5160E+008	5.3590E-005	1.5100	-6.8603E-007	0.1081	0.1081	0.1081	0.1081
0.0047	0.0705	1.3172	1.8541E+006	1.0949E+008	4.1953E-005	1.5624	-9.1740E-007	0.1025	0.1025	0.1025	0.1025
0.0043	0.0658	1.3036	1.7735E+006	7.8963E+007	3.2727E-005	1.6151	-1.2250E-006	0.0970	0.0970	0.0970	0.0970
0.0039	0.0613	1.2907	1.6984E+006	5.6864E+007	2.5444E-005	1.6685	-1.6345E-006	0.0916	0.0916	0.0916	0.0916
0.0035	0.0569	1.2785	1.6282E+006	4.0872E+007	1.9710E-005	1.7227	-2.1816E-006	0.0863	0.0863	0.0863	0.0863
0.0032	0.0527	1.2672	1.5630E+006	2.9386E+007	1.5242E-005	1.7775	-2.9082E-006	0.0810	0.0810	0.0810	0.0811
0.0029	0.0485	1.2567	1.5017E+006	2.1081E+007	1.1747E-005	1.8335	-3.8826E-006	0.0758	0.0758	0.0759	0.0759
0.0026	0.0445	1.2470	1.4444E+006	1.5123E+007	9.0396E-006	1.8905	-5.1834E-006	0.0707	0.0707	0.0707	0.0707
0.0023	0.0406	1.2381	1.3901E+006	1.0834E+007	6.9411E-006	1.9492	-6.9305E-006	0.0656	0.0656	0.0656	0.0656
0.0020	0.0367	1.2300	1.3388E+006	7.7559E+006	5.3226E-006	2.0096	-9.2819E-006	0.0605	0.0605	0.0605	0.0605
0.0018	0.0330	1.2226	1.2899E+006	5.5555E+006	4.0818E-006	2.0721	-1.2443E-005	0.0555	0.0555	0.0555	0.0555
0.0015	0.0294	1.2159	1.2429E+006	3.9720E+006	3.1262E-006	2.1377	-1.6754E-005	0.0504	0.0504	0.0504	0.0504
0.0013	0.0260	1.2099	1.1974E+006	2.8383E+006	2.3951E-006	2.2071	-2.2656E-005	0.0454	0.0454	0.0454	0.0454
0.0011	0.0226	1.2048	1.1530E+006	2.0269E+006	1.8369E-006	2.2814	-3.0823E-005	0.0403	0.0403	0.0403	0.0403
0.0009	0.0193	1.2007	1.1091E+006	1.4462E+006	1.4115E-006	2.3627	-4.2328E-005	0.0351	0.0351	0.0351	0.0351
0.0008	0.0161	1.1980	1.0651E+006	1.0293E+006	1.0870E-006	2.4541	-5.9007E-005	0.0297	0.0297	0.0297	0.0298
0.0006	0.0130	1.1978	1.0207E+006	7.3289E+005	8.4267E-007	2.5596	-8.3948E-005	0.0242	0.0242	0.0242	0.0242
0.0005	0.0101	1.2024	9.7459E+005	5.1946E+005	6.5760E-007	2.6902	-1.2443E-004	0.0180	0.0180	0.0180	0.0181
0.0003	0.0072	1.2197	9.2671E+005	3.6663E+005	5.2069E-007	2.8690	-1.9950E-004	0.0105	0.0105	0.0105	0.0105
0.0002	0.0045	1.2864	8.7904E+005	2.5526E+005	4.2495E-007	3.1892	-3.9560E-004	0.0000	0.0000	0.0000	0.0000
0.0001	0.0019	1.5946	8.3065E+005	1.6892E+005	3.9039E-007	4.1828	-7.9900E-004	0.0000	0.0000	0.0000	0.0000
-0.0000	-0.0005	1.6574	7.6959E+005	1.0299E+005	2.8820E-007	4.6914	4.3781E-004	0.0000	0.0000	0.0000	0.0000
-0.0001	-0.0028	1.6625	7.4349E+005	6.3300E+004	1.9037E-007	4.8702	5.9295E-004	0.0000	0.0000	0.0000	0.0000
-0.0002	-0.0051	1.6626	7.1926E+005	3.8677E+004	1.2430E-007	5.0339	6.4980E-004	0.0000	0.0000	0.0000	0.0000
-0.0003	-0.0073	1.6623	7.0032E+005	2.3490E+004	7.9618E-008	5.1682	8.0347E-004	0.0000	0.0000	0.0000	0.0000
-0.0003	-0.0094	1.6621	6.9000E+005	1.4401E+004	5.0276E-008	5.2441	9.3076E-004	0.0000	0.0000	0.0000	0.0000
-0.0004	-0.0115	1.6619	6.8487E+005	8.7282E+003	3.0925E-008	5.2819	1.0041E-003	0.0000	0.0000	0.0000	0.0000
-0.0005	-0.0136	1.6617	6.8257E+005	5.3212E+003	1.8979E-008	5.2984	1.0392E-003	0.0000	0.0000	0.0000	0.0000
-0.0006	-0.0157	1.6617	6.8159E+005	3.2591E+003	1.1658E-008	5.3052	1.0552E-003	0.0000	0.0000	0.0000	0.0000
-0.0006	-0.0178	1.6618	6.8121E+005	1.9823E+003	7.0987E-009	5.3077	1.0627E-003	0.0000	0.0000	0.0000	0.0000