

Alpha	100xa(M)	100xb(M)	100xa(N)	100xb(N)	100x(a(N)-a(M))	100x(b(N)-b(M))	Blue Box
0.000000	0.0000429	0.2089413	0.0000001	0.0012971	-0.0000429	-0.2076441	-0.0000089
0.000879	0.0000429	0.2089413	0.0000001	0.0012971	-0.0000429	-0.2076441	-0.0000089
0.001879	0.0000018	0.6685771	0.0000004	0.0038355	-0.0000015	-0.6647416	-0.0000010
0.002879	0.0000000	2.8123367	0.0000000	0.0000000	0.0000000	-2.8123367	0.0000000
0.003879	0.0000000	2.4885214	0.0000000	0.0000057	0.0000000	-2.4885157	0.0000000
0.004879	0.0000000	7.4067472	0.0000000	0.0000000	0.0000000	-7.4067472	0.0000000
0.005879	0.0000001	3.7462316	0.0003600	0.7363434	0.0003599	-3.0098882	0.0010832
0.006879	0.0000000	6.2183864	0.0034028	4.2415898	0.0034028	-1.9767965	0.0067267
0.007879	0.0058752	1.9494839	0.0003329	0.5168398	-0.0055423	-1.4326441	-0.0079401
0.008879	0.0157559	1.9830379	0.0000000	0.0001066	-0.0157559	-1.9829313	-0.0312428
0.009879	0.0000015	6.5229776	0.0013861	1.4579532	0.0013846	-5.0650245	0.0070129
0.010879	0.0547389	2.1203095	0.0009795	0.9848437	-0.0537595	-1.1354658	-0.0610420
0.011879	0.0000029	8.2811622	0.0057214	3.9621177	0.0057185	-4.3190445	0.0246984
0.012879	0.0065640	3.7902993	0.0045993	3.1021489	-0.0019647	-0.6881504	-0.0013520
0.013879	0.0000259	8.5668401	0.0083072	4.6222096	0.0082813	-3.9446305	0.0326666
0.014879	0.0425691	3.4220248	0.0412915	13.0963363	-0.0012775	9.6743115	0.0123594
0.015879	0.0864704	3.2763328	0.0434666	12.9181420	-0.0430038	9.6418092	0.4146347
0.016879	0.0363094	4.2256527	0.0488774	13.2790419	0.0125680	9.0533892	-0.1137832
0.017879	0.0708390	4.0413739	0.0391346	11.1647345	-0.0317044	7.1233606	0.2258417
0.018879	0.1022106	4.0563652	0.0499134	12.4622801	-0.0522973	8.4059149	0.4396063
0.019879	0.0630915	4.8356087	0.0555307	12.8147170	-0.0075608	7.9791082	0.0603283
0.020879	0.0768705	4.9967811	0.0027547	1.2958637	-0.0741158	-3.7009174	-0.2742965
0.021879	0.1266107	4.8108497	0.0038042	1.6317696	-0.1228064	-3.1790801	-0.3904115
0.022879	0.1256436	5.1532933	0.0052583	2.0524772	-0.1203853	-3.1008161	-0.3732927
0.023879	0.0081352	9.5924784	0.0072996	2.5838804	-0.0008357	-7.0085980	-0.0058570
0.024879	0.0099047	9.9332130	0.0102418	3.2686233	0.0003371	-6.6645897	0.0022466
0.025879	0.0123503	10.2040183	0.0146951	4.1855157	0.0023447	-6.0185026	0.0141118
0.026879	0.0153554	10.4516169	0.0218431	5.4611894	0.0064878	-4.9904275	0.0323767
0.027879	0.0190229	10.6768556	0.0324111	7.0382193	0.0133882	-3.6386363	0.0487147
0.028879	0.0235103	10.8764582	0.0436609	8.3973339	0.0201506	-2.4791242	0.0499558
0.029879	0.0290207	11.0469042	0.0526289	9.2585260	0.0236082	-1.7883782	0.0422203
0.030879	0.0358309	11.1835570	0.0596939	9.8001089	0.0238630	-1.3834481	0.0330133
0.031879	0.0443382	11.2798672	0.0660626	10.2105271	0.0217244	-1.0693401	0.0232308
0.032879	0.0551524	11.3260510	0.0724264	10.5769215	0.0172740	-0.7491294	0.0129405
0.033879	0.0692244	11.3093912	0.0790726	10.9302420	0.0098483	-0.3791492	0.0037340
0.034879	0.0876984	11.2269709	0.0861125	11.2801049	-0.0015859	0.0531340	0.0000843
0.035879	0.1106091	11.1188425	0.0935950	11.6291976	-0.0170141	0.5103551	0.0086833
0.035879	0.1106091	11.1188425	0.0935950	11.6291976	-0.0170141	0.5103551	0.0086833
0.036879	0.1351217	11.0708439	0.1015494	11.9781607	-0.0335722	0.9073168	0.0304607
0.037879	0.1573289	11.1412206	0.1100001	12.3270709	-0.0473288	1.1858503	0.0561249
0.038879	0.1758534	11.3204708	0.1189703	12.6758572	-0.0568832	1.3553864	0.0770987
0.039879	0.1916416	11.5700915	0.1284836	13.0244099	-0.0631580	1.4543184	0.0918518
0.040879	0.2060569	11.8577926	0.1385643	13.3726082	-0.0674926	1.5148156	0.1022388
0.041879	0.2200518	12.1644712	0.1492375	13.7203261	-0.0708143	1.5558549	0.1101768
0.042879	0.2341521	12.4804328	0.1605290	14.0674343	-0.0736232	1.5870015	0.1168401
0.043879	0.2486202	12.8011522	0.1724653	14.4138002	-0.0761549	1.6126480	0.1228111
0.044879	0.2635828	13.1246283	0.1850738	14.7592883	-0.0785090	1.6346600	0.1283355
0.045879	0.2791030	13.4500097	0.1983827	15.1037601	-0.0807204	1.6537503	0.1334913
0.046879	0.2952160	13.7769450	0.2124206	15.4470741	-0.0827954	1.6701291	0.1382789
0.047879	0.3119450	14.1052921	0.2272173	15.7890866	-0.0847277	1.6837944	0.1426640
0.048879	0.3293088	14.4349942	0.2428029	16.1296509	-0.0865058	1.6946567	0.1465977
0.049879	0.3473243	14.7660281	0.2592084	16.4686185	-0.0881159	1.7025904	0.1500253

0.050879	0.3660081	15.0983836	0.2764651	16.8058385	-0.0895430	1.7074549	0.1528907
0.051879	0.3853771	15.4320554	0.2946053	17.1411587	-0.0907718	1.7091033	0.1551384
0.052879	0.4054480	15.7670396	0.3136614	17.4744253	-0.0917866	1.7073857	0.1567152
0.053879	0.4262384	16.1033327	0.3336666	17.8054833	-0.0925718	1.7021505	0.1575711
0.054879	0.4477661	16.4409312	0.3546544	18.1341773	-0.0931117	1.6932461	0.1576610
0.055879	0.4700491	16.7798310	0.3766585	18.4603516	-0.0933906	1.6805206	0.1569448
0.056879	0.4931064	17.1200278	0.3997131	18.7838507	-0.0933933	1.6638229	0.1553899
0.057879	0.5169569	17.4615165	0.4238524	19.1045196	-0.0931045	1.6430031	0.1529710
0.058879	0.5416205	17.8042916	0.4491107	19.4222048	-0.0925097	1.6179132	0.1496727
0.059879	0.5671171	18.1483470	0.4755225	19.7367543	-0.0915946	1.5884073	0.1454895
0.060879	0.5934676	18.4936756	0.5031220	20.0480182	-0.0903456	1.5543426	0.1404280
0.061879	0.6206931	18.8402697	0.5319433	20.3558496	-0.0887498	1.5155800	0.1345074
0.062879	0.6488154	19.1881207	0.5620202	20.6601049	-0.0867951	1.4719842	0.1277611
0.063879	0.6778567	19.5372190	0.5933862	20.9606442	-0.0844706	1.4234252	0.1202375
0.064879	0.7078400	19.8875540	0.6260740	21.2573321	-0.0817661	1.3697781	0.1120013
0.065879	0.7387887	20.2391140	0.6601159	21.5500384	-0.0786728	1.3109243	0.1031341
0.066879	0.7707269	20.5918861	0.6955436	21.8386379	-0.0751833	1.2467519	0.0937349
0.067879	0.8036793	20.9458559	0.7323877	22.1230120	-0.0712915	1.1771561	0.0839213
0.068879	0.8376710	21.3010079	0.7706780	22.4030481	-0.0669931	1.1020402	0.0738291
0.069879	0.8727282	21.6573248	0.8104431	22.6786408	-0.0622851	1.0213160	0.0636128
0.070879	0.9088773	22.0147878	0.8517106	22.9496919	-0.0571666	0.9349041	0.0534453
0.071879	0.9461455	22.3733763	0.8945069	23.2161110	-0.0516386	0.8427347	0.0435177
0.072879	0.9845608	22.7330678	0.9388567	23.4778158	-0.0457041	0.7447480	0.0340380
0.073879	1.0241517	23.0938377	0.9847837	23.7347321	-0.0393679	0.6408944	0.0252307
0.074879	1.0649473	23.4556594	1.0323099	23.9867944	-0.0326374	0.5311349	0.0173349
0.075879	1.1069777	23.8185039	1.0814556	24.2339457	-0.0255221	0.4154419	0.0106030
0.076879	1.1502734	24.1823394	1.1322396	24.4761381	-0.0180338	0.2937986	0.0052983
0.077879	1.1948655	24.5471320	1.1846790	24.7133321	-0.0101866	0.1662001	0.0016930
0.078879	1.2407862	24.9128444	1.2387890	24.9454975	-0.0019971	0.0326531	0.0000652
0.079879	1.2880678	25.2794367	1.2945833	25.1726125	0.0065155	-0.1068242	0.0006960
0.080879	1.3367437	25.6468655	1.3520736	25.3946642	0.0153299	-0.2522013	0.0038662
0.081879	1.3868477	26.0150840	1.4112697	25.6116480	0.0244220	-0.4034360	0.0098527
0.082879	1.4384143	26.3840419	1.4721797	25.8235676	0.0337654	-0.5604743	0.0189247
0.083879	1.4914785	26.7536849	1.5348099	26.0304348	0.0433314	-0.7232501	0.0313394
0.084879	1.5460761	27.1239546	1.5991647	26.2322692	0.0530886	-0.8916854	0.0473384
0.085879	1.6022431	27.4947883	1.6652468	26.4290974	0.0630037	-1.0656910	0.0671425
0.086879	1.6600162	27.8661188	1.7330570	26.6209534	0.0730408	-1.2451654	0.0909478
0.087879	1.7194325	28.2378738	1.8025944	26.8078776	0.0831619	-1.4299963	0.1189212
0.088879	1.7805294	28.6099763	1.8738565	26.9899167	0.0933272	-1.6200596	0.1511956
0.089879	1.8433445	28.9823436	1.9468391	27.1671232	0.1034945	-1.8152204	0.1878654
0.090879	1.9079160	29.3548876	2.0215363	27.3395549	0.1136203	-2.0153326	0.2289827
0.091879	1.9742819	29.7275142	2.0979409	27.5072746	0.1236590	-2.2202396	0.2745526
0.092879	2.0424803	30.1001234	2.1760440	27.6703495	0.1335637	-2.4297739	0.3245296
0.093879	2.1125493	30.4726086	2.2558353	27.8288507	0.1432861	-2.6437579	0.3788137
0.094879	2.1845267	30.8448568	2.3373034	27.9828531	0.1527767	-2.8620037	0.4372475
0.095879	2.2584500	31.2167480	2.4204352	28.1324347	0.1619852	-3.0843133	0.4996131
0.096879	2.3343564	31.5881552	2.5052169	28.2776762	0.1708605	-3.3104790	0.5656299
0.097879	2.4122823	31.9589443	2.5916331	28.4186606	0.1793509	-3.5402837	0.6349529
0.098879	2.4922631	32.3289738	2.6796677	28.5554731	0.1874045	-3.7735006	0.7071712
0.099879	2.5743336	32.6980944	2.7693033	28.6882002	0.1949697	-4.0098942	0.7818079
0.100879	2.6585269	33.0661497	2.8605217	28.8169298	0.2019948	-4.2492199	0.8583203
0.101879	2.7448751	33.4329753	2.9533040	28.9417507	0.2084289	-4.4912245	0.9361008
0.102879	2.8334084	33.7983992	3.0476303	29.0627523	0.2142218	-4.7356469	1.0144788
0.103879	2.9241552	34.1622420	3.1434799	29.1800243	0.2193248	-4.9822177	1.0927237

0.104879	3.0171415	34.5243168	3.2408318	29.2936566	0.2236904	-5.2306602	1.1700482
0.105879	3.1123911	34.8844295	3.3396641	29.4037386	0.2272730	-5.4806909	1.2456133
0.106879	3.2099250	35.2423791	3.4399544	29.5103597	0.2300295	-5.7320194	1.3185335
0.107879	3.3097612	35.5979579	3.5416800	29.6136083	0.2319188	-5.9843496	1.3878832
0.108879	3.4119145	35.9509524	3.6448175	29.7135723	0.2329030	-6.2373800	1.4527044
0.109879	3.5163962	36.3011432	3.7493433	29.8103386	0.2329472	-6.4908046	1.5120146
0.110879	3.6232136	36.6483065	3.8552336	29.9039929	0.2320200	-6.7443136	1.5648155
0.111879	3.7323702	36.9922139	3.9624640	29.9946196	0.2300939	-6.9975944	1.6101035
0.112879	3.8438649	37.3326342	4.0710102	30.0823019	0.2271453	-7.2503322	1.6468787
0.113879	3.9576923	37.6693335	4.1808474	30.1671216	0.2231551	-7.5022118	1.6741569
0.114879	4.0738422	38.0020768	4.2919510	30.2491589	0.2181088	-7.7529179	1.6909794
0.115879	4.1922994	38.3306292	4.4042960	30.3284923	0.2119965	-8.0021369	1.6964252
0.116879	4.3130439	38.6547565	4.5178574	30.4051987	0.2048136	-8.2495577	1.6896214
0.117879	4.4360502	38.9742271	4.6326104	30.4793535	0.1965602	-8.4948736	1.6697543
0.118879	4.5612879	39.2888131	4.7485299	30.5510301	0.1872420	-8.7377829	1.6360797
0.119879	4.6887214	39.5982914	4.8655909	30.6203003	0.1768696	-8.9779911	1.5879333
0.120879	4.8183097	39.9024456	4.9837685	30.6872340	0.1654589	-9.2152116	1.5247387
0.121879	4.9500068	40.2010668	5.1030379	30.7518994	0.1530311	-9.4491674	1.4460162
0.122879	5.0837621	40.4939552	5.2233743	30.8143628	0.1396122	-9.6795924	1.3513892
0.123879	5.2195198	40.7809215	5.3447531	30.8746888	0.1252332	-9.9062327	1.2405897
0.124879	5.3572199	41.0617878	5.4671497	30.9329402	0.1099298	-10.1288477	1.1134621
0.125879	5.4967982	41.3363891	5.5905399	30.9891780	0.0937418	-10.3472111	0.9699660
0.126879	5.6381864	41.6045737	5.7148996	31.0434614	0.0767132	-10.5611123	0.8101768
0.127879	5.7813129	41.8662049	5.8402047	31.0958481	0.0588917	-10.7703568	0.6342851
0.128879	5.9261031	42.1211609	5.9664315	31.1463938	0.0403283	-10.9747672	0.4425942
0.129879	6.0724795	42.3693360	6.0935564	31.1951526	0.0210769	-11.1741835	0.2355167
0.130879	6.2203627	42.6106407	6.2215562	31.2421770	0.0011935	-11.3684637	0.0135688
0.131879	6.3696711	42.8450019	6.3504078	31.2875179	-0.0192633	-11.5574840	-0.2226355
0.132879	6.5203223	43.0723633	6.4800883	31.3312246	-0.0402340	-11.7411387	-0.4723925
0.133879	6.6722328	43.2926849	6.6105753	31.3733448	-0.0616575	-11.9193401	-0.7349169
0.134879	6.8253188	43.5059432	6.7418463	31.4139247	-0.0834725	-12.0920185	-1.0093509
0.135879	6.9794967	43.7121305	6.8738795	31.4530091	-0.1056172	-12.2591214	-1.2947744
0.136879	7.1346833	43.9112544	7.0066530	31.4906412	-0.1280302	-12.4206132	-1.5902142
0.137879	7.2907961	44.1033375	7.1401454	31.5268631	-0.1506507	-12.5764744	-1.8946548
0.137879	7.2907961	44.1033375	7.1401454	31.5268631	-0.1506507	-12.5764744	-1.8946548
0.138879	7.4477543	44.2884162	7.2743355	31.5617152	-0.1734187	-12.7267010	-2.2070482
0.139879	7.6054782	44.4665402	7.4092025	31.5952367	-0.1962757	-12.8713035	-2.5263238
0.140879	7.7638903	44.6377716	7.5447257	31.6274656	-0.2191646	-13.0103059	-2.8513979
0.141879	7.9229151	44.8021838	7.6808849	31.6584387	-0.2420302	-13.1437452	-3.1811828
0.142879	8.0824795	44.9598608	7.8176601	31.6881912	-0.2648194	-13.2716696	-3.5145953
0.143879	8.2425128	45.1108958	7.9550316	31.7167576	-0.2874813	-13.3941381	-3.8505641
0.144879	8.4029473	45.2553907	8.0929799	31.7441711	-0.3099674	-13.5112196	-4.1880375
0.145879	8.5637179	45.3934547	8.2314862	31.7704637	-0.3322317	-13.6229911	-4.5259893
0.146879	8.7247622	45.5252039	8.3705315	31.7956663	-0.3542307	-13.7295375	-4.8634242
0.147879	8.8860211	45.6507595	8.5100973	31.8198091	-0.3759238	-13.8309505	-5.1993831
0.148879	9.0474383	45.7702480	8.6501656	31.8429209	-0.3972727	-13.9273271	-5.5329467
0.149879	9.2089605	45.8837992	8.7907184	31.8650298	-0.4182421	-14.0187694	-5.8632389
0.150879	9.3705373	45.9915465	8.9317382	31.8861629	-0.4387991	-14.1053836	-6.1894296
0.151879	9.5321214	46.0936253	9.0732077	31.9063463	-0.4589137	-14.1872791	-6.5107363
0.152879	9.6936682	46.1901730	9.2151100	31.9256054	-0.4785582	-14.2645676	-6.8264258
0.153879	9.8551359	46.2813278	9.3574283	31.9439646	-0.4977076	-14.3373632	-7.1358150
0.154879	10.0164856	46.3672284	9.5001463	31.9614477	-0.5163393	-14.4057807	-7.4382710
0.155879	10.1776809	46.4480134	9.6432479	31.9780774	-0.5344330	-14.4699360	-7.7332112

0.156879	10.3386880	46.5238211	9.7867173	31.9938760	-0.5519706	-14.5299451	-8.0201027
0.157879	10.4994754	46.5947888	9.9305391	32.0088648	-0.5689363	-14.5859239	-8.2984617
0.158879	10.6600141	46.6610522	10.0746978	32.0230646	-0.5853163	-14.6379876	-8.5678523
0.159879	10.8202774	46.7227457	10.2191788	32.0364953	-0.6010986	-14.6862503	-8.8278850
0.160879	10.9802406	46.7800016	10.3639672	32.0491764	-0.6162734	-14.7308252	-9.0782156
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0.167879	12.0899045	47.0671688	11.3849214	32.1184534	-0.7049831	-14.9487154	-10.5385921
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0.169879	12.4032501	47.1162679	11.6786151	32.1324721	-0.7246350	-14.9837958	-10.8577831
0.170879	12.5592486	47.1358820	11.8257313	32.1385936	-0.7335173	-14.9972883	-11.0007705
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0.173879	13.0244556	47.1762010	12.2680170	32.1535685	-0.7564386	-15.0226325	-11.3636994
0.174879	13.1785752	47.1837877	12.4157201	32.1574726	-0.7628551	-15.0263151	-11.4629013
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0.187879	15.1375578	47.0593922	14.3430413	32.1644708	-0.7945166	-14.8949213	-11.8342618
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0.189879	15.4315833	47.0092488	14.6399920	32.1591050	-0.7915914	-14.8501438	-11.7552457
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0.424000	42.6318017	30.1477353	43.3836336	27.1821358	0.7518318	-2.9655994	2.2296321
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0.432000	43.4296602	29.5773824	44.1309623	26.9547650	0.7013022	-2.6226173	1.8392472
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0.440000	44.2221117	29.0136132	44.8655311	26.7265267	0.6434194	-2.2870865	1.4715558
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1.071000	89.4075966	3.6103973	79.6821689	11.0368608	-9.7254277	7.4264635	72.2255342
1.072000	89.4479496	3.5943978	79.7157810	11.0181826	-9.7321686	7.4237848	72.2495253
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1.084000	89.9237738	3.4068001	80.1157456	10.7956547	-9.8080282	7.3888546	72.4700944
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1.087000	90.0403089	3.3611553	80.2147690	10.7404865	-9.8255399	7.3793313	72.5059136
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1.089000	90.1174624	3.3310010	80.2805712	10.7038106	-9.8368911	7.3728096	72.5255254
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1.095000	90.3463521	3.2418509	80.4769590	10.5942758	-9.8693931	7.3524249	72.5639717
1.096000	90.3841261	3.2271828	80.5095424	10.5760918	-9.8745838	7.3489091	72.5674182
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1.101000	90.5713959	3.1546505	80.6718284	10.4854793	-9.8995675	7.3308288	72.5720343
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1.137000	91.8417707	2.6709734	81.8098430	9.8481069	-10.0319277	7.1771335	72.0004844
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1.152000	92.3313167	2.4885707	82.2686228	9.5902703	-10.0626938	7.1016995	71.4622282
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1.172000	92.9485383	2.2618627	82.8666692	9.2534953	-10.0818691	6.9916326	70.4887252
1.177000	93.0966083	2.2080284	83.0137820	9.1705455	-10.0828263	6.9625171	70.2018504
1.182000	93.2422181	2.1553003	83.1599471	9.0880911	-10.0822711	6.9327908	69.8982764
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1.222000	94.3208049	1.7714242	84.2958227	8.4461508	-10.0249822	6.6747267	66.9140157
1.227000	94.4451462	1.7279498	84.4337077	8.3681028	-10.0114385	6.6401530	66.4774838
1.232000	94.5672302	1.6854260	84.5706991	8.2905386	-9.9965310	6.6051126	66.0282135
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1.652000	99.2922945	0.1867324	93.2943523	3.3745126	-5.9979422	3.1877803	19.1201218
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1.702000	99.4472217	0.1442220	94.0128010	2.9802275	-5.4344207	2.8360055	15.4120471
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1.747000	99.5565576	0.1146702	94.6087709	2.6559089	-4.9477868	2.5412387	12.5735073
1.752000	99.5672256	0.1118085	94.6721093	2.6216058	-4.8951163	2.5097973	12.2857498
1.757000	99.5776246	0.1090229	94.7348807	2.5876431	-4.8427440	2.4786202	12.0033231
1.762000	99.5877614	0.1063112	94.7970874	2.5540191	-4.7906741	2.4477078	11.7261704
1.767000	99.5976428	0.1036715	94.8587319	2.5207320	-4.7389108	2.4170605	11.4542342
1.772000	99.6072751	0.1011018	94.9198168	2.4877803	-4.6874583	2.3866785	11.1874558
1.777000	99.6166648	0.0986001	94.9803445	2.4551622	-4.6363202	2.3565620	10.9257761
1.782000	99.6258180	0.0961647	95.0403176	2.4228759	-4.5855004	2.3267112	10.6691351
1.787000	99.6347409	0.0937936	95.0997385	2.3909197	-4.5350024	2.2971261	10.4174724
1.792000	99.6434393	0.0914852	95.1586099	2.3592920	-4.4848294	2.2678068	10.1707267
1.797000	99.6519190	0.0892376	95.2169341	2.3279908	-4.4349849	2.2387532	9.9288366
1.802000	99.6601855	0.0870493	95.2747138	2.2970146	-4.3854717	2.2099653	9.6917400
1.807000	99.6682444	0.0849186	95.3319516	2.2663614	-4.3362928	2.1814428	9.4593746
1.812000	99.6761009	0.0828439	95.3886500	2.2360295	-4.2874509	2.1531856	9.2316776
1.817000	99.6837603	0.0808238	95.4448116	2.2060172	-4.2389487	2.1251934	9.0085860
1.822000	99.6912276	0.0788566	95.5004389	2.1763226	-4.1907887	2.0974660	8.7900366
1.827000	99.6985078	0.0769410	95.5555347	2.1469439	-4.1429731	2.0700029	8.5759661
1.832000	99.7056056	0.0750756	95.6101015	2.1178793	-4.0955041	2.0428037	8.3663109
1.837000	99.7125258	0.0732589	95.6641420	2.0891269	-4.0483839	2.0158680	8.1610075
1.842000	99.7192730	0.0714897	95.7176587	2.0606849	-4.0016143	1.9891953	7.9599922
1.847000	99.7258515	0.0697666	95.7706544	2.0325516	-3.9551971	1.9627850	7.7632014
1.852000	99.7322658	0.0680884	95.8231318	2.0047249	-3.9091340	1.9366365	7.5705716
1.857000	99.7385200	0.0664539	95.8750935	1.9772031	-3.8634266	1.9107492	7.3820392
1.862000	99.7446183	0.0648618	95.9265421	1.9499842	-3.8180762	1.8851224	7.1975409
1.867000	99.7505647	0.0633111	95.9774805	1.9230664	-3.7730842	1.8597554	7.0170135
1.872000	99.7563631	0.0618005	96.0279114	1.8964478	-3.7284517	1.8346473	6.8403940
1.877000	99.7620173	0.0603290	96.0778374	1.8701265	-3.6841799	1.8097975	6.6676195
1.882000	99.7675311	0.0588956	96.1272614	1.8441006	-3.6402697	1.7852050	6.4986276
1.887000	99.7729080	0.0574991	96.1761860	1.8183681	-3.5967220	1.7608689	6.3333559
1.892000	99.7781516	0.0561387	96.2246142	1.7929271	-3.5535374	1.7367884	6.1717426
1.897000	99.7832653	0.0548132	96.2725486	1.7677757	-3.5107167	1.7129625	6.0137260
1.902000	99.7882524	0.0535218	96.3199920	1.7429119	-3.4682604	1.6893902	5.8592449
1.907000	99.7931163	0.0522635	96.3669474	1.7183339	-3.4261689	1.6660704	5.7082385
1.912000	99.7978600	0.0510375	96.4134174	1.6940396	-3.3844426	1.6430021	5.5606462

1.917000	99.8024867	0.0498428	96.4594050	1.6700270	-3.3430817	1.6201842	5.4164081
1.922000	99.8069994	0.0486787	96.5049130	1.6462942	-3.3020864	1.5976156	5.2754647
1.927000	99.8114011	0.0475442	96.5499443	1.6228393	-3.2614568	1.5752951	5.1377568
1.932000	99.8156945	0.0464386	96.5945017	1.5996601	-3.2211928	1.5532215	5.0032259
1.937000	99.8198825	0.0453611	96.6385882	1.5767548	-3.1812943	1.5313937	4.8718139
1.942000	99.8239677	0.0443110	96.6822066	1.5541213	-3.1417611	1.5098103	4.7434633
1.947000	99.8279528	0.0432875	96.7253599	1.5317577	-3.1025929	1.4884702	4.6181170
1.952000	99.8318404	0.0422899	96.7680510	1.5096618	-3.0637895	1.4673719	4.4957187
1.957000	99.8356330	0.0413175	96.8102828	1.4878318	-3.0253502	1.4465143	4.3762124
1.962000	99.8393331	0.0403696	96.8520583	1.4662655	-2.9872748	1.4258959	4.2595429
1.967000	99.8429429	0.0394455	96.8933804	1.4449610	-2.9495624	1.4055154	4.1456555
1.972000	99.8464648	0.0385447	96.9342522	1.4239161	-2.9122125	1.3853714	4.0344960
1.977000	99.8499010	0.0376665	96.9746766	1.4031290	-2.8752244	1.3654625	3.9260110
1.982000	99.8532538	0.0368103	97.0146566	1.3825975	-2.8385972	1.3457871	3.8201476
1.987000	99.8565253	0.0359755	97.0541952	1.3623195	-2.8023301	1.3263440	3.7168537
1.992000	99.8597175	0.0351616	97.0932954	1.3422931	-2.7664221	1.3071316	3.6160777
1.997000	99.8628325	0.0343679	97.1319602	1.3225162	-2.7308723	1.2881483	3.5177686
2.002000	99.8658723	0.0335940	97.1701928	1.3029867	-2.6956795	1.2693928	3.4218762
2.007000	99.8688387	0.0328392	97.2079960	1.2837026	-2.6608427	1.2508634	3.3283508
2.012000	99.8717337	0.0321032	97.2453731	1.2646619	-2.6263606	1.2325586	3.2371434
2.017000	99.8745590	0.0313854	97.2823270	1.2458623	-2.5922321	1.2144769	3.1482060
2.022000	99.8773165	0.0306854	97.3188607	1.2273020	-2.5584558	1.1966166	3.0614907
2.027000	99.8800078	0.0300026	97.3549775	1.2089788	-2.5250303	1.1789762	2.9769506
2.032000	99.8826347	0.0293366	97.3906803	1.1908906	-2.4919544	1.1615540	2.8945396
2.037000	99.8851987	0.0286869	97.4259723	1.1730354	-2.4592265	1.1443485	2.8142121
2.042000	99.8877016	0.0280532	97.4608565	1.1554111	-2.4268451	1.1273579	2.7359230
2.047000	99.8901447	0.0274350	97.4953360	1.1380157	-2.3948086	1.1105807	2.6596283
2.052000	99.8925296	0.0268319	97.5294141	1.1208471	-2.3631156	1.0940152	2.5852843
2.057000	99.8948579	0.0262435	97.5630936	1.1039031	-2.3317643	1.0776596	2.5128482
2.062000	99.8971309	0.0256694	97.5963779	1.0871819	-2.3007530	1.0615124	2.4422779
2.067000	99.8993500	0.0251093	97.6292700	1.0706811	-2.2700801	1.0455718	2.3735318
2.072000	99.9015167	0.0245627	97.6617729	1.0543989	-2.2397437	1.0298362	2.3065691
2.077000	99.9036321	0.0240294	97.6938900	1.0383332	-2.2097421	1.0143038	2.2413497
2.082000	99.9056976	0.0235090	97.7256242	1.0224818	-2.1800734	0.9989728	2.1778341
2.087000	99.9077145	0.0230011	97.7569788	1.0068428	-2.1507357	0.9838417	2.1159835
2.092000	99.9096840	0.0225054	97.7879568	0.9914140	-2.1217272	0.9689086	2.0557597
2.097000	99.9116072	0.0220216	97.8185614	0.9761934	-2.0930458	0.9541718	1.9971253
2.102000	99.9134854	0.0215494	97.8487958	0.9611790	-2.0646896	0.9396296	1.9400435
2.107000	99.9153196	0.0210885	97.8786630	0.9463687	-2.0366566	0.9252802	1.8844780
2.112000	99.9171110	0.0206386	97.9081662	0.9317605	-2.0089448	0.9111219	1.8303935
2.117000	99.9188606	0.0201994	97.9373086	0.9173522	-1.9815520	0.8971528	1.7777550
2.122000	99.9205694	0.0197707	97.9660933	0.9031420	-1.9544762	0.8833714	1.7265283
2.122000	99.9205694	0.0197707	97.9660933	0.9031420	-1.9544762	0.8833714	1.7265283
2.132000	99.9238690	0.0189434	98.0226021	0.8753075	-1.9012670	0.8563640	1.6281767
2.142000	99.9270175	0.0181548	98.0777176	0.8482406	-1.8492999	0.8300858	1.5350775
2.152000	99.9300223	0.0174029	98.1314650	0.8219253	-1.7985573	0.8045224	1.4469796
2.162000	99.9328905	0.0166858	98.1838693	0.7963456	-1.7490212	0.7796598	1.3636415
2.172000	99.9356287	0.0160018	98.2349552	0.7714856	-1.7006734	0.7554838	1.2848313
2.182000	99.9382432	0.0153493	98.2847477	0.7473296	-1.6534955	0.7319804	1.2103262
2.192000	99.9407401	0.0147265	98.3332715	0.7238620	-1.6074685	0.7091354	1.1399129
2.202000	99.9431250	0.0141322	98.3805512	0.7010671	-1.5625738	0.6869349	1.0733865
2.212000	99.9454033	0.0135648	98.4266113	0.6789298	-1.5187921	0.6653649	1.0105510
2.222000	99.9475802	0.0130231	98.4714761	0.6574347	-1.4761042	0.6444116	0.9512187
2.232000	99.9496606	0.0125057	98.5151698	0.6365669	-1.4344909	0.6240612	0.8952100

2.242000	99.9516491	0.0120116	98.5577164	0.6163115	-1.3939327	0.6042999	0.8423534
2.252000	99.9535500	0.0115394	98.5991398	0.5966537	-1.3544102	0.5851143	0.7924848
2.262000	99.9553675	0.0110883	98.6394637	0.5775791	-1.3159039	0.5664909	0.7454476
2.272000	99.9571057	0.0106570	98.6787114	0.5590734	-1.2783943	0.5484164	0.7010923
2.282000	99.9587681	0.0102448	98.7169062	0.5411224	-1.2418619	0.5308775	0.6592766
2.292000	99.9603585	0.0098507	98.7540711	0.5237121	-1.2062874	0.5138614	0.6198646
2.302000	99.9618802	0.0094737	98.7902289	0.5068288	-1.1716514	0.4973551	0.5827268
2.312000	99.9633364	0.0091132	98.8254020	0.4904591	-1.1379344	0.4813459	0.5477401
2.322000	99.9647303	0.0087682	98.8596128	0.4745895	-1.1051175	0.4658213	0.5147872
2.332000	99.9660646	0.0084381	98.8928832	0.4592070	-1.0731813	0.4507688	0.4837567
2.342000	99.9673421	0.0081222	98.9252350	0.4442986	-1.0421071	0.4361764	0.4545426
2.352000	99.9685656	0.0078197	98.9566896	0.4298518	-1.0118760	0.4220321	0.4270441
2.362000	99.9697374	0.0075301	98.9872681	0.4158540	-0.9824693	0.4083239	0.4011657
2.372000	99.9708601	0.0072528	99.0169915	0.4022930	-0.9538686	0.3950403	0.3768165
2.382000	99.9719357	0.0069871	99.0458802	0.3891570	-0.9260555	0.3821699	0.3539105
2.392000	99.9729665	0.0067326	99.0739546	0.3764340	-0.8990119	0.3697014	0.3323659
2.402000	99.9739545	0.0064887	99.1012346	0.3641125	-0.8727199	0.3576239	0.3121055
2.412000	99.9749017	0.0062549	99.1277397	0.3521814	-0.8471620	0.3459265	0.2930557
2.422000	99.9758099	0.0060308	99.1534894	0.3406294	-0.8223205	0.3345986	0.2751472
2.432000	99.9766808	0.0058159	99.1785026	0.3294457	-0.7981782	0.3236298	0.2583142
2.442000	99.9775162	0.0056099	99.2027979	0.3186198	-0.7747183	0.3130099	0.2424945
2.452000	99.9783176	0.0054122	99.2263938	0.3081413	-0.7519238	0.3027290	0.2276292
2.462000	99.9790866	0.0052226	99.2493081	0.2979999	-0.7297784	0.2927773	0.2136626
2.472000	99.9798245	0.0050406	99.2715586	0.2881859	-0.7082659	0.2831453	0.2005421
2.482000	99.9805328	0.0048660	99.2931627	0.2786894	-0.6873701	0.2738235	0.1882181
2.492000	99.9812128	0.0046983	99.3141372	0.2695011	-0.6670755	0.2648028	0.1766435
2.502000	99.9818657	0.0045374	99.3344990	0.2606117	-0.6473667	0.2560744	0.1657740
2.512000	99.9824927	0.0043828	99.3542643	0.2520122	-0.6282284	0.2476295	0.1555679
2.522000	99.9830950	0.0042343	99.3734491	0.2436938	-0.6096458	0.2394595	0.1459855
2.532000	99.9836735	0.0040917	99.3920692	0.2356479	-0.5916043	0.2315562	0.1369897
2.542000	99.9842294	0.0039546	99.4101398	0.2278661	-0.5740896	0.2239115	0.1285453
2.552000	99.9847637	0.0038229	99.4276760	0.2203403	-0.5570876	0.2165175	0.1206192
2.562000	99.9852772	0.0036963	99.4446926	0.2130626	-0.5405846	0.2093664	0.1131802
2.572000	99.9857708	0.0035745	99.4612037	0.2060253	-0.5245671	0.2024507	0.1061990
2.582000	99.9862455	0.0034575	99.4772236	0.1992207	-0.5090219	0.1957632	0.0996478
2.592000	99.9867019	0.0033449	99.4927659	0.1926416	-0.4939361	0.1892967	0.0935005
2.602000	99.9871410	0.0032366	99.5078440	0.1862809	-0.4792970	0.1830443	0.0877326
2.612000	99.9875633	0.0031324	99.5224711	0.1801316	-0.4650922	0.1769992	0.0823209
2.622000	99.9879697	0.0030321	99.5366599	0.1741870	-0.4513098	0.1711548	0.0772439
2.632000	99.9883608	0.0029356	99.5504229	0.1684405	-0.4379379	0.1655049	0.0724809
2.642000	99.9887372	0.0028427	99.5637723	0.1628859	-0.4249649	0.1600431	0.0680127
2.652000	99.9890995	0.0027533	99.5767200	0.1575168	-0.4123795	0.1547635	0.0638213
2.662000	99.9894484	0.0026671	99.5892775	0.1523273	-0.4001709	0.1496602	0.0598896
2.672000	99.9897843	0.0025841	99.6014562	0.1473115	-0.3883281	0.1447274	0.0562017
2.682000	99.9901079	0.0025042	99.6132671	0.1424639	-0.3768408	0.1399597	0.0527425
2.692000	99.9904196	0.0024272	99.6247209	0.1377789	-0.3656987	0.1353517	0.0494979
2.702000	99.9907199	0.0023529	99.6358281	0.1332511	-0.3548918	0.1308982	0.0464547
2.712000	99.9910093	0.0022814	99.6465989	0.1288754	-0.3444104	0.1265940	0.0436003
2.722000	99.9912882	0.0022124	99.6570431	0.1246469	-0.3342451	0.1224345	0.0409231
2.732000	99.9915570	0.0021459	99.6671705	0.1205605	-0.3243865	0.1184146	0.0384121
2.742000	99.9918162	0.0020818	99.6769904	0.1166117	-0.3148258	0.1145299	0.0360570
2.752000	99.9920661	0.0020199	99.6865121	0.1127958	-0.3055541	0.1107759	0.0338480
2.762000	99.9923072	0.0019602	99.6957443	0.1091084	-0.2965629	0.1071482	0.0317762

2.772000	99.9925396	0.0019026	99.7046958	0.1055452	-0.2878439	0.1036426	0.0298329
2.782000	99.9927639	0.0018470	99.7133749	0.1021021	-0.2793890	0.1002551	0.0280102
2.792000	99.9929803	0.0017934	99.7217900	0.0987750	-0.2711904	0.0969816	0.0263005
2.802000	99.9931892	0.0017416	99.7299488	0.0955601	-0.2632403	0.0938185	0.0246968
2.812000	99.9933907	0.0016916	99.7378593	0.0924535	-0.2555314	0.0907619	0.0231925
2.822000	99.9935853	0.0016433	99.7455288	0.0894517	-0.2480565	0.0878084	0.0217814
2.832000	99.9937732	0.0015966	99.7529648	0.0865510	-0.2408084	0.0849544	0.0204577
2.842000	99.9939546	0.0015516	99.7601743	0.0837481	-0.2337803	0.0821965	0.0192159
2.852000	99.9941298	0.0015080	99.7671641	0.0810396	-0.2269657	0.0795316	0.0180509
2.862000	99.9942990	0.0014660	99.7739411	0.0784224	-0.2203579	0.0769564	0.0169580
2.872000	99.9944625	0.0014253	99.7805117	0.0758933	-0.2139508	0.0744680	0.0159325
2.882000	99.9946205	0.0013860	99.7868822	0.0734493	-0.2077383	0.0720633	0.0149703
2.892000	99.9947732	0.0013480	99.7930588	0.0710876	-0.2017143	0.0697396	0.0140675
2.902000	99.9949207	0.0013112	99.7990475	0.0688053	-0.1958733	0.0674941	0.0132203
2.912000	99.9950634	0.0012756	99.8048539	0.0665998	-0.1902095	0.0653242	0.0124253
2.922000	99.9952013	0.0012413	99.8104838	0.0644684	-0.1847175	0.0632271	0.0116792
2.932000	99.9953346	0.0012080	99.8159425	0.0624085	-0.1793922	0.0612006	0.0109789
2.942000	99.9954636	0.0011758	99.8212353	0.0604178	-0.1742283	0.0592421	0.0103216
2.952000	99.9955884	0.0011446	99.8263674	0.0584939	-0.1692210	0.0573493	0.0097047
2.962000	99.9957091	0.0011145	99.8313437	0.0566344	-0.1643654	0.0555200	0.0091256
2.972000	99.9958258	0.0010853	99.8361691	0.0548373	-0.1596568	0.0537520	0.0085819
2.982000	99.9959388	0.0010570	99.8408482	0.0531002	-0.1550907	0.0520432	0.0080714
2.992000	99.9960482	0.0010296	99.8453855	0.0514212	-0.1506627	0.0503916	0.0075921
3.002000	99.9961541	0.0010031	99.8497855	0.0497984	-0.1463685	0.0487952	0.0071421
3.012000	99.9962566	0.0009774	99.8540525	0.0482296	-0.1422041	0.0472522	0.0067195
3.022000	99.9963558	0.0009525	99.8581904	0.0467132	-0.1381654	0.0457607	0.0063225
3.032000	99.9964519	0.0009284	99.8622034	0.0452473	-0.1342485	0.0443189	0.0059497
3.042000	99.9965450	0.0009051	99.8660954	0.0438302	-0.1304496	0.0429251	0.0055996
3.052000	99.9966352	0.0008824	99.8698700	0.0424601	-0.1267652	0.0415777	0.0052706
3.062000	99.9967225	0.0008605	99.8735310	0.0411356	-0.1231916	0.0402751	0.0049616
3.072000	99.9968072	0.0008392	99.8770818	0.0398549	-0.1197254	0.0390157	0.0046712
3.082000	99.9968892	0.0008185	99.8805260	0.0386167	-0.1163632	0.0377982	0.0043983
3.092000	99.9969687	0.0007985	99.8838667	0.0374194	-0.1131020	0.0366209	0.0041419
3.102000	99.9970458	0.0007791	99.8871073	0.0362617	-0.1099384	0.0354826	0.0039009
3.112000	99.9971205	0.0007603	99.8902509	0.0351422	-0.1068696	0.0343820	0.0036744
3.122000	99.9971930	0.0007420	99.8933004	0.0340596	-0.1038925	0.0333176	0.0034615
3.132000	99.9972632	0.0007242	99.8962588	0.0330126	-0.1010044	0.0322884	0.0032613
3.142000	99.9973314	0.0007070	99.8991290	0.0320000	-0.0982024	0.0312930	0.0030730
3.142000	99.9973314	0.0007070	99.8991290	0.0320000	-0.0982024	0.0312930	0.0030730
3.152000	99.9973975	0.0006903	99.9019136	0.0310207	-0.0954839	0.0303304	0.0028961
3.162000	99.9974616	0.0006741	99.9046153	0.0300734	-0.0928463	0.0293993	0.0027296
3.172000	99.9975238	0.0006583	99.9072367	0.0291571	-0.0902871	0.0284988	0.0025731
3.182000	99.9975842	0.0006430	99.9097804	0.0282708	-0.0878038	0.0276277	0.0024258
3.192000	99.9976428	0.0006282	99.9122486	0.0274133	-0.0853942	0.0267852	0.0022873
3.202000	99.9976997	0.0006137	99.9146438	0.0265838	-0.0830559	0.0259701	0.0021570
3.212000	99.9977549	0.0005997	99.9169682	0.0257813	-0.0807867	0.0251816	0.0020343
3.222000	99.9978086	0.0005861	99.9192241	0.0250048	-0.0785845	0.0244187	0.0019189
3.232000	99.9978606	0.0005729	99.9214134	0.0242535	-0.0764472	0.0236807	0.0018103
3.242000	99.9979112	0.0005600	99.9235384	0.0235265	-0.0743728	0.0229665	0.0017081
3.252000	99.9979603	0.0005475	99.9256009	0.0228230	-0.0723594	0.0222755	0.0016118
3.262000	99.9980081	0.0005353	99.9276030	0.0221422	-0.0704051	0.0216068	0.0015212
3.272000	99.9980544	0.0005235	99.9295464	0.0214833	-0.0685080	0.0209598	0.0014359
3.282000	99.9980995	0.0005120	99.9314331	0.0208455	-0.0666664	0.0203335	0.0013556
3.292000	99.9981432	0.0005008	99.9332647	0.0202283	-0.0648786	0.0197274	0.0012799

3.302000	99.9981858	0.0004900	99.9350429	0.0196307	-0.0631429	0.0191408	0.0012086
3.312000	99.9982272	0.0004794	99.9367694	0.0190523	-0.0614577	0.0185729	0.0011415
3.322000	99.9982674	0.0004691	99.9384458	0.0184924	-0.0598215	0.0180233	0.0010782
3.332000	99.9983065	0.0004591	99.9400737	0.0179502	-0.0582328	0.0174911	0.0010186
3.342000	99.9983445	0.0004493	99.9416544	0.0174253	-0.0566901	0.0169760	0.0009624
3.352000	99.9983815	0.0004399	99.9431895	0.0169171	-0.0551920	0.0164772	0.0009094
3.362000	99.9984174	0.0004306	99.9446804	0.0164249	-0.0537371	0.0159943	0.0008595
3.372000	99.9984524	0.0004216	99.9461283	0.0159483	-0.0523241	0.0155267	0.0008124
3.382000	99.9984865	0.0004129	99.9475347	0.0154867	-0.0509517	0.0150738	0.0007680
3.392000	99.9985196	0.0004044	99.9489008	0.0150397	-0.0496188	0.0146353	0.0007262
3.402000	99.9985518	0.0003961	99.9502278	0.0146067	-0.0483240	0.0142106	0.0006867
3.412000	99.9985832	0.0003880	99.9515169	0.0141873	-0.0470663	0.0137993	0.0006495
3.422000	99.9986137	0.0003801	99.9527693	0.0137810	-0.0458444	0.0134008	0.0006144
3.432000	99.9986434	0.0003724	99.9539860	0.0133873	-0.0446574	0.0130149	0.0005812
3.442000	99.9986724	0.0003650	99.9551683	0.0130060	-0.0435041	0.0126410	0.0005499
3.452000	99.9987005	0.0003577	99.9563170	0.0126365	-0.0423835	0.0122788	0.0005204
3.462000	99.9987280	0.0003506	99.9574333	0.0122784	-0.0412947	0.0119279	0.0004926
3.472000	99.9987547	0.0003437	99.9585180	0.0119315	-0.0402367	0.0115878	0.0004663
3.482000	99.9987807	0.0003369	99.9595723	0.0115953	-0.0392085	0.0112583	0.0004414
3.492000	99.9988061	0.0003304	99.9605969	0.0112694	-0.0382092	0.0109391	0.0004180
3.502000	99.9988308	0.0003239	99.9615928	0.0109536	-0.0372380	0.0106296	0.0003958
3.512000	99.9988548	0.0003177	99.9625608	0.0106474	-0.0362941	0.0103297	0.0003749
3.522000	99.9988783	0.0003116	99.9635018	0.0103507	-0.0353765	0.0100391	0.0003551
3.532000	99.9989011	0.0003056	99.9644165	0.0100630	-0.0344846	0.0097573	0.0003365
3.542000	99.9989234	0.0002998	99.9653059	0.0097840	-0.0336175	0.0094842	0.0003188
3.552000	99.9989451	0.0002942	99.9661706	0.0095136	-0.0327746	0.0092194	0.0003022
3.562000	99.9989663	0.0002887	99.9670113	0.0092514	-0.0319550	0.0089627	0.0002864
3.572000	99.9989870	0.0002833	99.9678288	0.0089971	-0.0311581	0.0087138	0.0002715
3.582000	99.9990071	0.0002780	99.9686238	0.0087505	-0.0303833	0.0084725	0.0002574
3.592000	99.9990267	0.0002729	99.9693969	0.0085113	-0.0296298	0.0082384	0.0002441
3.602000	99.9990459	0.0002679	99.9701488	0.0082794	-0.0288970	0.0080115	0.0002315
3.612000	99.9990645	0.0002630	99.9708802	0.0080544	-0.0281844	0.0077914	0.0002196
3.622000	99.9990828	0.0002582	99.9715915	0.0078361	-0.0274912	0.0075779	0.0002083
3.632000	99.9991005	0.0002535	99.9722835	0.0076243	-0.0268171	0.0073708	0.0001977
3.642000	99.9991179	0.0002490	99.9729566	0.0074189	-0.0261613	0.0071699	0.0001876
3.652000	99.9991348	0.0002445	99.9736115	0.0072196	-0.0255233	0.0069750	0.0001780
3.662000	99.9991513	0.0002402	99.9742487	0.0070262	-0.0249026	0.0067860	0.0001690
3.672000	99.9991674	0.0002359	99.9748686	0.0068385	-0.0242988	0.0066025	0.0001604
3.682000	99.9991832	0.0002318	99.9754719	0.0066563	-0.0237113	0.0064245	0.0001523
3.692000	99.9991985	0.0002278	99.9760589	0.0064796	-0.0231396	0.0062518	0.0001447
3.702000	99.9992135	0.0002238	99.9766302	0.0063080	-0.0225833	0.0060842	0.0001374
3.712000	99.9992282	0.0002199	99.9771862	0.0061414	-0.0220420	0.0059215	0.0001305
3.722000	99.9992425	0.0002161	99.9777274	0.0059797	-0.0215151	0.0057636	0.0001240
3.732000	99.9992564	0.0002124	99.9782541	0.0058228	-0.0210023	0.0056103	0.0001178
3.742000	99.9992701	0.0002088	99.9787669	0.0056704	-0.0205032	0.0054615	0.0001120
3.752000	99.9992834	0.0002053	99.9792661	0.0055224	-0.0200173	0.0053171	0.0001064
3.762000	99.9992964	0.0002019	99.9797520	0.0053787	-0.0195444	0.0051768	0.0001012
3.772000	99.9993091	0.0001985	99.9802252	0.0052392	-0.0190839	0.0050407	0.0000962
3.782000	99.9993216	0.0001952	99.9806859	0.0051036	-0.0186357	0.0049085	0.0000915
3.792000	99.9993337	0.0001919	99.9811345	0.0049720	-0.0181992	0.0047801	0.0000870
3.802000	99.9993456	0.0001888	99.9815714	0.0048442	-0.0177742	0.0046554	0.0000827
3.812000	99.9993572	0.0001857	99.9819969	0.0047200	-0.0173603	0.0045343	0.0000787
3.822000	99.9993685	0.0001827	99.9824112	0.0045994	-0.0169573	0.0044167	0.0000749
3.832000	99.9993796	0.0001797	99.9828148	0.0044821	-0.0165647	0.0043024	0.0000713

3.842000	99.9993904	0.0001768	99.9832080	0.0043683	-0.0161824	0.0041915	0.0000678
3.852000	99.9994010	0.0001740	99.9835910	0.0042576	-0.0158101	0.0040836	0.0000646
3.862000	99.9994114	0.0001712	99.9839641	0.0041501	-0.0154473	0.0039789	0.0000615
3.872000	99.9994215	0.0001685	99.9843275	0.0040456	-0.0150940	0.0038771	0.0000585
3.882000	99.9994314	0.0001658	99.9846817	0.0039440	-0.0147497	0.0037782	0.0000557
3.892000	99.9994411	0.0001632	99.9850268	0.0038453	-0.0144143	0.0036821	0.0000531
3.902000	99.9994506	0.0001607	99.9853631	0.0037494	-0.0140875	0.0035887	0.0000506
3.912000	99.9994599	0.0001582	99.9856908	0.0036561	-0.0137691	0.0034979	0.0000482
3.922000	99.9994689	0.0001558	99.9860102	0.0035654	-0.0134588	0.0034096	0.0000459
3.932000	99.9994778	0.0001534	99.9863215	0.0034772	-0.0131563	0.0033239	0.0000437
3.942000	99.9994865	0.0001510	99.9866249	0.0033915	-0.0128616	0.0032405	0.0000417
3.952000	99.9994950	0.0001487	99.9869206	0.0033082	-0.0125744	0.0031594	0.0000397
3.962000	99.9995033	0.0001465	99.9872090	0.0032271	-0.0122944	0.0030806	0.0000379
3.972000	99.9995115	0.0001443	99.9874901	0.0031483	-0.0120214	0.0030040	0.0000361
3.982000	99.9995194	0.0001421	99.9877641	0.0030716	-0.0117553	0.0029295	0.0000344
3.992000	99.9995272	0.0001400	99.9880313	0.0029970	-0.0114959	0.0028570	0.0000328
4.002000	99.9995349	0.0001379	99.9882919	0.0029245	-0.0112430	0.0027865	0.0000313
4.012000	99.9995424	0.0001359	99.9885460	0.0028539	-0.0109964	0.0027180	0.0000299
4.022000	99.9995497	0.0001339	99.9887938	0.0027852	-0.0107559	0.0026513	0.0000285
4.032000	99.9995569	0.0001320	99.9890354	0.0027184	-0.0105214	0.0025864	0.0000272
4.042000	99.9995639	0.0001301	99.9892712	0.0026534	-0.0102927	0.0025234	0.0000260
4.052000	99.9995708	0.0001282	99.9895011	0.0025902	-0.0100697	0.0024620	0.0000248
4.062000	99.9995775	0.0001264	99.9897254	0.0025286	-0.0098522	0.0024023	0.0000237
4.072000	99.9995841	0.0001246	99.9899442	0.0024687	-0.0096400	0.0023442	0.0000226
4.082000	99.9995906	0.0001228	99.9901576	0.0024104	-0.0094330	0.0022876	0.0000216
4.092000	99.9995969	0.0001211	99.9903659	0.0023536	-0.0092310	0.0022326	0.0000206
4.102000	99.9996031	0.0001194	99.9905691	0.0022984	-0.0090340	0.0021790	0.0000197
4.112000	99.9996092	0.0001177	99.9907674	0.0022446	-0.0088418	0.0021269	0.0000188
4.122000	99.9996152	0.0001161	99.9909609	0.0021922	-0.0086543	0.0020762	0.0000180
4.132000	99.9996210	0.0001145	99.9911498	0.0021413	-0.0084713	0.0020268	0.0000172
4.142000	99.9996268	0.0001129	99.9913341	0.0020916	-0.0082927	0.0019787	0.0000164
4.152000	99.9996324	0.0001113	99.9915140	0.0020433	-0.0081184	0.0019319	0.0000157
4.162000	99.9996379	0.0001098	99.9916896	0.0019962	-0.0079483	0.0018864	0.0000150
4.162000	99.9996379	0.0001098	99.9916896	0.0019962	-0.0079483	0.0018864	0.0000150
4.172000	99.9996433	0.0001083	99.9918611	0.0019503	-0.0077822	0.0018420	0.0000143
4.182000	99.9996486	0.0001069	99.9920284	0.0019057	-0.0076202	0.0017988	0.0000137
4.192000	99.9996538	0.0001055	99.9921918	0.0018622	-0.0074620	0.0017567	0.0000131
4.202000	99.9996589	0.0001041	99.9923514	0.0018198	-0.0073075	0.0017157	0.0000125
4.212000	99.9996639	0.0001027	99.9925071	0.0017785	-0.0071567	0.0016758	0.0000120
4.222000	99.9996688	0.0001013	99.9926593	0.0017383	-0.0070095	0.0016370	0.0000115
4.232000	99.9996736	0.0001000	99.9928078	0.0016991	-0.0068658	0.0015991	0.0000110
4.242000	99.9996783	0.0000987	99.9929529	0.0016609	-0.0067254	0.0015622	0.0000105
4.252000	99.9996829	0.0000974	99.9930946	0.0016237	-0.0065883	0.0015263	0.0000101
4.262000	99.9996874	0.0000962	99.9932330	0.0015874	-0.0064545	0.0014913	0.0000096
4.272000	99.9996919	0.0000949	99.9933682	0.0015521	-0.0063237	0.0014571	0.0000092
4.282000	99.9996962	0.0000937	99.9935002	0.0015176	-0.0061960	0.0014239	0.0000088
4.292000	99.9997005	0.0000925	99.9936292	0.0014840	-0.0060713	0.0013915	0.0000084
4.302000	99.9997047	0.0000913	99.9937553	0.0014513	-0.0059494	0.0013599	0.0000081
4.312000	99.9997089	0.0000902	99.9938785	0.0014194	-0.0058304	0.0013292	0.0000077
4.322000	99.9997129	0.0000891	99.9939988	0.0013883	-0.0057141	0.0012992	0.0000074
4.332000	99.9997169	0.0000880	99.9941164	0.0013579	-0.0056005	0.0012700	0.0000071
4.342000	99.9997208	0.0000869	99.9942313	0.0013283	-0.0054895	0.0012415	0.0000068
4.352000	99.9997246	0.0000858	99.9943436	0.0012995	-0.0053810	0.0012137	0.0000065
4.362000	99.9997284	0.0000847	99.9944534	0.0012713	-0.0052750	0.0011866	0.0000063

4.372000	99.9997321	0.0000837	99.9945607	0.0012439	-0.0051714	0.0011602	0.0000060
4.382000	99.9997357	0.0000827	99.9946656	0.0012171	-0.0050701	0.0011345	0.0000058
4.392000	99.9997393	0.0000817	99.9947681	0.0011910	-0.0049712	0.0011093	0.0000055
4.402000	99.9997428	0.0000807	99.9948683	0.0011656	-0.0048745	0.0010849	0.0000053
4.412000	99.9997462	0.0000797	99.9949663	0.0011407	-0.0047799	0.0010610	0.0000051
4.422000	99.9997496	0.0000788	99.9950621	0.0011165	-0.0046875	0.0010377	0.0000049
4.432000	99.9997529	0.0000779	99.9951558	0.0010928	-0.0045971	0.0010150	0.0000047
4.442000	99.9997561	0.0000770	99.9952474	0.0010698	-0.0045088	0.0009928	0.0000045
4.452000	99.9997593	0.0000760	99.9953370	0.0010472	-0.0044224	0.0009712	0.0000043
4.462000	99.9997625	0.0000752	99.9954246	0.0010253	-0.0043379	0.0009501	0.0000041
4.472000	99.9997656	0.0000743	99.9955102	0.0010038	-0.0042553	0.0009295	0.0000040
4.482000	99.9997686	0.0000734	99.9955940	0.0009829	-0.0041745	0.0009095	0.0000038
4.492000	99.9997716	0.0000726	99.9956760	0.0009625	-0.0040955	0.0008899	0.0000036
4.502000	99.9997745	0.0000718	99.9957562	0.0009425	-0.0040183	0.0008708	0.0000035
4.512000	99.9997774	0.0000709	99.9958346	0.0009230	-0.0039427	0.0008521	0.0000034
4.522000	99.9997802	0.0000701	99.9959114	0.0009040	-0.0038688	0.0008339	0.0000032
4.532000	99.9997830	0.0000694	99.9959865	0.0008855	-0.0037965	0.0008161	0.0000031
4.542000	99.9997857	0.0000686	99.9960599	0.0008674	-0.0037258	0.0007988	0.0000030
4.552000	99.9997884	0.0000678	99.9961318	0.0008497	-0.0036566	0.0007819	0.0000029
4.562000	99.9997910	0.0000671	99.9962022	0.0008324	-0.0035888	0.0007653	0.0000027
4.572000	99.9997936	0.0000663	99.9962710	0.0008155	-0.0035226	0.0007492	0.0000026
4.582000	99.9997962	0.0000656	99.9963384	0.0007990	-0.0034578	0.0007334	0.0000025
4.592000	99.9997987	0.0000649	99.9964044	0.0007829	-0.0033943	0.0007181	0.0000024
4.602000	99.9998012	0.0000642	99.9964689	0.0007672	-0.0033323	0.0007030	0.0000023
4.612000	99.9998036	0.0000635	99.9965321	0.0007519	-0.0032715	0.0006884	0.0000023
4.622000	99.9998060	0.0000628	99.9965939	0.0007368	-0.0032120	0.0006741	0.0000022
4.632000	99.9998083	0.0000621	99.9966545	0.0007222	-0.0031538	0.0006601	0.0000021
4.642000	99.9998106	0.0000615	99.9967138	0.0007079	-0.0030969	0.0006464	0.0000020
4.652000	99.9998129	0.0000608	99.9967718	0.0006939	-0.0030411	0.0006331	0.0000019
4.662000	99.9998151	0.0000602	99.9968286	0.0006802	-0.0029865	0.0006200	0.0000019
4.672000	99.9998173	0.0000595	99.9968843	0.0006668	-0.0029331	0.0006073	0.0000018
4.682000	99.9998195	0.0000589	99.9969388	0.0006538	-0.0028807	0.0005949	0.0000017
4.692000	99.9998216	0.0000583	99.9969921	0.0006410	-0.0028295	0.0005827	0.0000016
4.702000	99.9998237	0.0000577	99.9970444	0.0006285	-0.0027793	0.0005708	0.0000016
4.712000	99.9998258	0.0000571	99.9970956	0.0006163	-0.0027302	0.0005592	0.0000015
4.722000	99.9998278	0.0000565	99.9971457	0.0006044	-0.0026821	0.0005479	0.0000015
4.732000	99.9998298	0.0000559	99.9971948	0.0005928	-0.0026350	0.0005368	0.0000014
4.742000	99.9998318	0.0000554	99.9972430	0.0005814	-0.0025888	0.0005260	0.0000014
4.752000	99.9998337	0.0000548	99.9972901	0.0005702	-0.0025436	0.0005154	0.0000013
4.762000	99.9998356	0.0000543	99.9973363	0.0005593	-0.0024993	0.0005051	0.0000013
4.772000	99.9998375	0.0000537	99.9973815	0.0005487	-0.0024560	0.0004950	0.0000012
4.782000	99.9998393	0.0000532	99.9974258	0.0005383	-0.0024135	0.0004851	0.0000012
4.792000	99.9998411	0.0000527	99.9974693	0.0005281	-0.0023719	0.0004754	0.0000011
4.802000	99.9998429	0.0000521	99.9975118	0.0005181	-0.0023311	0.0004660	0.0000011
4.812000	99.9998447	0.0000516	99.9975535	0.0005084	-0.0022911	0.0004567	0.0000010
4.822000	99.9998464	0.0000511	99.9975944	0.0004988	-0.0022520	0.0004477	0.0000010
4.832000	99.9998481	0.0000506	99.9976345	0.0004895	-0.0022136	0.0004389	0.0000010
4.842000	99.9998498	0.0000501	99.9976738	0.0004804	-0.0021760	0.0004302	0.0000009
4.852000	99.9998514	0.0000497	99.9977123	0.0004715	-0.0021392	0.0004218	0.0000009
4.862000	99.9998531	0.0000492	99.9977500	0.0004627	-0.0021031	0.0004136	0.0000009
4.872000	99.9998547	0.0000487	99.9977870	0.0004542	-0.0020677	0.0004055	0.0000008
4.882000	99.9998562	0.0000483	99.9978233	0.0004458	-0.0020330	0.0003976	0.0000008
4.892000	99.9998578	0.0000478	99.9978588	0.0004377	-0.0019990	0.0003899	0.0000008

4.902000	99.9998593	0.0000474	99.9978937	0.0004297	-0.0019657	0.0003823	0.0000008
4.912000	99.9998608	0.0000469	99.9979278	0.0004218	-0.0019330	0.0003749	0.0000007
4.922000	99.9998623	0.0000465	99.9979614	0.0004142	-0.0019010	0.0003677	0.0000007
4.932000	99.9998638	0.0000460	99.9979942	0.0004067	-0.0018695	0.0003606	0.0000007
4.942000	99.9998652	0.0000456	99.9980265	0.0003993	-0.0018388	0.0003537	0.0000007
4.952000	99.9998666	0.0000452	99.9980581	0.0003921	-0.0018086	0.0003469	0.0000006
4.962000	99.9998680	0.0000448	99.9980891	0.0003851	-0.0017790	0.0003403	0.0000006
4.972000	99.9998694	0.0000444	99.9981195	0.0003782	-0.0017499	0.0003338	0.0000006
4.982000	99.9998708	0.0000440	99.9981493	0.0003714	-0.0017215	0.0003275	0.0000006
4.992000	99.9998721	0.0000436	99.9981786	0.0003648	-0.0016935	0.0003213	0.0000005
5.002000	99.9998734	0.0000432	99.9982073	0.0003584	-0.0016661	0.0003152	0.0000005
5.012000	99.9998747	0.0000428	99.9982355	0.0003520	-0.0016393	0.0003092	0.0000005
5.022000	99.9998760	0.0000424	99.9982631	0.0003458	-0.0016129	0.0003034	0.0000005
5.032000	99.9998773	0.0000421	99.9982902	0.0003398	-0.0015871	0.0002977	0.0000005
5.042000	99.9998785	0.0000417	99.9983168	0.0003338	-0.0015617	0.0002921	0.0000005
5.052000	99.9998798	0.0000413	99.9983429	0.0003280	-0.0015369	0.0002867	0.0000004
5.062000	99.9998810	0.0000410	99.9983685	0.0003223	-0.0015125	0.0002813	0.0000004
5.072000	99.9998822	0.0000406	99.9983937	0.0003167	-0.0014885	0.0002761	0.0000004
5.082000	99.9998834	0.0000403	99.9984183	0.0003112	-0.0014650	0.0002710	0.0000004
5.092000	99.9998845	0.0000399	99.9984425	0.0003059	-0.0014420	0.0002659	0.0000004
5.102000	99.9998857	0.0000396	99.9984663	0.0003006	-0.0014194	0.0002610	0.0000004
5.112000	99.9998868	0.0000392	99.9984896	0.0002954	-0.0013972	0.0002562	0.0000004
5.122000	99.9998879	0.0000389	99.9985125	0.0002904	-0.0013754	0.0002515	0.0000003
5.132000	99.9998890	0.0000386	99.9985350	0.0002855	-0.0013540	0.0002469	0.0000003
5.142000	99.9998901	0.0000383	99.9985571	0.0002806	-0.0013330	0.0002424	0.0000003
5.152000	99.9998911	0.0000379	99.9985787	0.0002759	-0.0013124	0.0002379	0.0000003
5.162000	99.9998922	0.0000376	99.9986000	0.0002712	-0.0012922	0.0002336	0.0000003
5.172000	99.9998932	0.0000373	99.9986209	0.0002666	-0.0012723	0.0002293	0.0000003
5.182000	99.9998943	0.0000370	99.9986414	0.0002622	-0.0012529	0.0002252	0.0000003