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## GEOMAGNETIC GEOMETRY TABLES

*by James I. Vette and H. Sylvia Porjes*

Funded by NASA and Prepared under Air Force Contract No. AF04(695)869

AEROSPACE CORPORATION

El Segundo, Calif.

*for Goddard Space Flight Center*



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## ABSTRACT

A set of tables has been prepared relating various coordinates used to describe trapped radiation:  $B$ ,  $L$ ,  $R$ ,  $\lambda$ ,  $x$ , and  $B_0/B$ .  $B$  and  $L$  are the usual McIlwain coordinates;  $R$  and  $\lambda$  are invariant polar coordinates computed from  $B$  and  $L$  using dipole relations;  $B_0$  is the magnetic field strength at the equator of the line of force; and  $X = (1 - B_0/B)^{1/2}$  is the parameter introduced by Roberts to better display particles near the equator.

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# GEOMAGNETIC GEOMETRY TABLES

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*Aerospace Corporation*

## BASIC COORDINATES

In dealing with trapped radiation the basic coordinates most widely used are B, the scalar magnetic intensity and L, the parameter introduced by McIlwain (Reference 1). The invariant polar coordinates R and  $\lambda$  were introduced in the same paper by using the dipole relations,

$$B = \frac{M}{R^3} \left(4 - 3 \frac{R}{L}\right)^{1/2} \quad (1a)$$

and

$$L = R \sec^2 \lambda \quad (1b)$$

and form a secondary set of coordinates useful in displaying trapped particle measurements. The value adopted for M was

$$M = 0.311653 \text{ gauss} \cdot (\text{earth-radii})^3, \quad (1c)$$

which was the dipole moment of the earth's field based on early measurements.

## GAUSSIAN COEFFICIENTS

The most commonly used Gaussian coefficients for the earth's field are the 1960 Jensen and Cain coefficients (Reference 2). It is interesting to note that these yield a dipole moment of  $0.31033 \text{ gauss} \cdot (\text{earth-radii})^3$ . However the original value of M has been retained in the definition of the invariant coordinates.

Another secondary set of coordinates has been introduced by Roberts (Reference 3) to display better the particles near the equator. This set is

$$x = \left[ 1 - \frac{M}{BL^3} \right]^{1/2} \quad (2a)$$

and L. The quantity

$$\frac{M}{L^3} = B_0 \quad (2b)$$

represents the value of the magnetic field at the invariant equator,  $\lambda = 0$ , and has been used by many to form other coordinates such as  $B/B_0$  and  $B_0/B$ .

### CALCULATION OF R AND $\lambda$

The calculation of R and  $\lambda$  for a given value of B and L was done using a variation of the method suggested by Roberts (Reference 4). The quantities  $p$  and  $S(p)$ , as defined by Roberts, are

$$p^3 = \frac{B_0}{B} \quad (3)$$

and

$$pS(p) = \frac{R}{L} \quad (4)$$

Substituting Equations 2, 3, and 4 into Equation 1, one obtains the equation

$$S^6 + 3pS - 4 = 0 \quad (5)$$

The physical range of  $p$  is  $0 \leq p \leq 1$  and the only root of interest has the value of

$$S(0) = 2^{1/3} \quad (6a)$$

and

$$S(1) = 1 \quad (6b)$$

The value of this root for any value of  $p$  can be found to any desired accuracy by means of the iterative procedure expressed in Equations 7 and 8:

$$S_i(p) = \frac{5S_{i-1}^6 + 4}{3(2S_{i-1}^5 + p)} \quad (7)$$

and

$$S_o(p) = \frac{2^{1/3}}{1 + p(2^{1/3} - 1)} \quad (8)$$

In order to facilitate the use of the various coordinate systems, tables relating the various secondary variables with  $B$  and  $L$  have been prepared. Wherever the symbol (0) appears in the tables, no calculations were performed.

## ACKNOWLEDGMENTS

The authors are indebted to Mr. A. B. Lucero for checking the tables and graphing some of the computer outputs.

(Manuscript received February 26, 1965)

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## Appendix A

### Geomagnetic Geometry Tables

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Table 1

Invariant Radius, R, as a Function of B and L

$$R(B,L) = pLS(p); p = \left[ \frac{M}{BL^3} \right]^{1/3}$$

B in Gauss

R in Earth-Radii

L in Earth-Radii

M = 0.311653 (Earth-Radii)<sup>3</sup> - Gauss

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B	R	R	R	R	R	R	R	R	R	R
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.04	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.06	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.07	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.08	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.09	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.10	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.52490
0.11	0.	0.	0.	0.	0.	0.	0.	0.	1.47337	1.48838
0.12	0.	0.	0.	0.	0.	0.	0.	1.42633	1.44139	1.45527
0.13	0.	0.	0.	0.	0.	0.	1.38285	1.39812	1.41215	1.42508
0.14	0.	0.	0.	0.	0.	1.34221	1.35781	1.37211	1.38526	1.39737
0.15	0.	0.	0.	0.	0.	1.31989	1.33458	1.34804	1.36041	1.37181
0.16	0.	0.	0.	0.	1.28384	1.29905	1.31293	1.32566	1.33735	1.34813
0.17	0.	0.	0.	1.24925	1.26510	1.27952	1.29270	1.30477	1.31587	1.32610
0.18	0.	0.	0.	1.23237	1.24746	1.26118	1.27372	1.28521	1.29578	1.30552
0.19	0.	0.	1.18608	1.21641	1.23081	1.24391	1.25588	1.26685	1.27693	1.28624
0.20	0.	0.	1.20128	1.18691	1.20012	1.21215	1.22313	1.23321	1.24247	1.25102
0.21	0.	1.14373	1.17234	1.18691	1.20012	1.21215	1.22313	1.23321	1.24247	1.25102
0.22	0.	1.13181	1.15924	1.17325	1.18594	1.19750	1.20806	1.21774	1.22664	1.23486
0.23	0.	1.12039	1.14674	1.16022	1.17244	1.18357	1.19374	1.20306	1.21164	1.21956
0.24	1.09396	1.10943	1.13478	1.14779	1.15958	1.17031	1.18012	1.18911	1.19739	1.20504
0.25	1.08395	1.09892	1.12334	1.13590	1.14729	1.15766	1.16713	1.17583	1.18383	1.19122
0.26	1.07432	1.08881	1.11237	1.12452	1.13553	1.14556	1.15474	1.16315	1.17089	1.17804
0.27	1.06503	1.07908	1.10184	1.11360	1.12427	1.13399	1.14288	1.15103	1.15854	1.16547
0.28	1.05607	1.06972	1.09172	1.10313	1.11348	1.12290	1.13152	1.13943	1.14672	1.15344
0.29	1.04743	1.06068	1.08198	1.09306	1.10311	1.11226	1.12063	1.12832	1.13539	1.14193
0.30	1.03907	1.05196	1.07260	1.08337	1.09313	1.10203	1.11017	1.11765	1.12453	1.13088
0.31	1.03099	1.04354	1.06356	1.07403	1.08353	1.09220	1.10012	1.10739	1.11409	1.12028
0.32	1.02316	1.03540	1.05483	1.06503	1.07428	1.08272	1.09044	1.09752	1.10405	1.11008
0.33	1.01559	1.02752	1.04640	1.05634	1.06536	1.07358	1.08111	1.08802	1.09438	1.10027
			1.03825	1.04794	1.05674	1.06477	1.07211	1.07885	1.08507	1.09081

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B	R	R	R	R	R	R	R	R	R	R
0.34	1.00824	1.01988	1.03036	1.03982	1.04842	1.05625	1.06342	1.07000	1.07607	1.08168
0.35	1.00111	1.01249	1.02272	1.03196	1.04036	1.04801	1.05502	1.06146	1.06739	1.07287
0.36	0.99420	1.00531	1.01531	1.02435	1.03256	1.04005	1.04690	1.05319	1.05899	1.06436
0.37	0.98748	0.99835	1.00813	1.01697	1.02500	1.03233	1.03903	1.04519	1.05087	1.05612
0.38	0.98095	0.99159	1.00116	1.00982	1.01768	1.02485	1.03141	1.03744	1.04300	1.04815
0.39	0.97460	0.98502	0.99439	1.00287	1.01057	1.01759	1.02402	1.02993	1.03538	1.04042
0.40	0.96842	0.97863	0.98781	0.99612	1.00366	1.01055	1.01685	1.02264	1.02799	1.03293
0.41	0.96241	0.97241	0.98141	0.98956	0.99696	1.00370	1.00989	1.01557	1.02081	1.02566
0.42	0.95655	0.96636	0.97519	0.98318	0.99043	0.99706	1.00312	1.00870	1.01384	1.01860
0.43	0.95084	0.96046	0.96913	0.97697	0.98409	0.99059	0.99654	1.00202	1.00707	1.01174
0.44	0.94527	0.95472	0.96322	0.97092	0.97791	0.98430	0.99015	0.99552	1.00048	1.00507
0.45	0.93984	0.94912	0.95747	0.96503	0.97190	0.97817	0.98392	0.98920	0.99407	0.99859
0.46	0.93454	0.94365	0.95186	0.95929	0.96604	0.97220	0.97785	0.98304	0.98784	0.99227
0.47	0.92936	0.93832	0.94639	0.95369	0.96032	0.96638	0.97194	0.97705	0.98176	0.98612
0.48	0.92430	0.93311	0.94104	0.94822	0.95475	0.96071	0.96617	0.97120	0.97584	0.98013
0.49	0.91936	0.92802	0.93583	0.94289	0.94931	0.95518	0.96055	0.96550	0.97006	0.97428
0.50	0.91453	0.92305	0.93073	0.93768	0.94400	0.94977	0.95507	0.95993	0.96443	0.96859
0.51	0.90980	0.91819	0.92575	0.93259	0.93882	0.94450	0.94971	0.95450	0.95893	0.96302
0.52	0.90518	0.91344	0.92088	0.92762	0.93375	0.93935	0.94448	0.94920	0.95356	0.95759
0.53	0.90065	0.90879	0.91612	0.92276	0.92879	0.93431	0.93936	0.94402	0.94831	0.95229
0.54	0.89622	0.90424	0.91146	0.91800	0.92395	0.92938	0.93437	0.93895	0.94319	0.94711
0.55	0.89188	0.89978	0.90690	0.91334	0.91921	0.92457	0.92948	0.93400	0.93817	0.94204
0.56	0.88763	0.89542	0.90243	0.90879	0.91457	0.91985	0.92470	0.92916	0.93327	0.93708
0.57	0.88347	0.89114	0.89806	0.90433	0.91003	0.91524	0.92002	0.92442	0.92848	0.93224
0.58	0.87938	0.88695	0.89378	0.89996	0.90558	0.91072	0.91544	0.91977	0.92378	0.92749
0.59	0.87538	0.88284	0.88958	0.89567	0.90122	0.90630	0.91095	0.91523	0.91919	0.92285
0.60	0.87145	0.87882	0.88546	0.89148	0.89695	0.90196	0.90655	0.91078	0.91468	0.91830
0.61	0.86759	0.87486	0.88142	0.88736	0.89277	0.89771	0.90224	0.90642	0.91027	0.91384
0.62	0.86381	0.87099	0.87746	0.88332	0.88866	0.89354	0.89802	0.90214	0.90595	0.90948
0.63	0.86009	0.86718	0.87357	0.87936	0.88464	0.88946	0.89388	0.89795	0.90171	0.90520

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B	R	R	R	R	R	R	R	R	R	R
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.04	0.	0.	0.	0.	0.	0.	0.	0.	1.98824	2.00407
0.05	0.	0.	0.	0.	0.	1.84355	1.85947	1.87441	1.88843	1.90162
0.06	0.	0.	0.	1.73781	1.75351	1.76817	1.78190	1.79477	1.80685	1.81822
0.07	0.	1.64672	1.66268	1.67752	1.69136	1.70429	1.71639	1.72774	1.73841	1.74844
0.08	1.58214	1.59755	1.61185	1.62516	1.63758	1.64917	1.66003	1.67021	1.67978	1.68879
0.09	1.54001	1.55401	1.56700	1.57909	1.59037	1.60091	1.61078	1.62004	1.62874	1.63694
0.10	1.50224	1.51508	1.52701	1.53811	1.54846	1.55814	1.56720	1.57571	1.58371	1.59124
0.11	1.46810	1.47998	1.49102	1.50129	1.51087	1.51984	1.52823	1.53611	1.54353	1.55051
0.12	1.43702	1.44809	1.45838	1.46795	1.47689	1.48524	1.49307	1.50043	1.50734	1.51386
0.13	1.40856	1.41894	1.42858	1.43755	1.44593	1.45377	1.46112	1.46802	1.47451	1.48063
0.14	1.38235	1.39212	1.40120	1.40966	1.41756	1.42494	1.43187	1.43838	1.44450	1.45027
0.15	1.35810	1.36734	1.37593	1.38393	1.39141	1.39840	1.40496	1.41112	1.41692	1.42239
0.16	1.33556	1.34433	1.35249	1.36009	1.36719	1.37383	1.38007	1.38592	1.39144	1.39664
0.17	1.31453	1.32289	1.33066	1.33790	1.34466	1.35100	1.35694	1.36253	1.36778	1.37274
0.18	1.29484	1.30282	1.31025	1.31717	1.32363	1.32969	1.33537	1.34071	1.34574	1.35049
0.19	1.27635	1.28399	1.29110	1.29773	1.30393	1.30973	1.31518	1.32030	1.32512	1.32967
0.20	1.25892	1.26626	1.27309	1.27946	1.28541	1.29098	1.29621	1.30113	1.30577	1.31014
0.21	1.24247	1.24953	1.25610	1.26222	1.26795	1.27332	1.27835	1.28309	1.28755	1.29177
0.22	1.22689	1.23370	1.24003	1.24593	1.25146	1.25663	1.26149	1.26606	1.27036	1.27443
0.23	1.21211	1.21868	1.22479	1.23050	1.23583	1.24083	1.24552	1.24994	1.25410	1.25803
0.24	1.19806	1.20441	1.21032	1.21584	1.22100	1.22583	1.23037	1.23464	1.23867	1.24247
0.25	1.18467	1.19082	1.19654	1.20189	1.20688	1.21157	1.21597	1.22011	1.22401	1.22770
0.26	1.17189	1.17785	1.18341	1.18859	1.19344	1.19798	1.20225	1.20627	1.21006	1.21363
0.27	1.15968	1.16547	1.17086	1.17589	1.18060	1.18501	1.18916	1.19306	1.19674	1.20022
0.28	1.14799	1.15361	1.15885	1.16374	1.16832	1.17261	1.17665	1.18044	1.18402	1.18740
0.29	1.13678	1.14225	1.14735	1.15211	1.15656	1.16074	1.16467	1.16836	1.17185	1.17514
0.30	1.12602	1.13135	1.13631	1.14095	1.14529	1.14936	1.15318	1.15679	1.16018	1.16339
0.31	1.11567	1.12087	1.12571	1.13023	1.13446	1.13843	1.14216	1.14567	1.14899	1.15212
0.32	1.10572	1.11079	1.11551	1.11992	1.12405	1.12793	1.13157	1.13500	1.13823	1.14129
0.33	1.09613	1.10108	1.10569	1.11000	1.11403	1.11782	1.12137	1.12472	1.12788	1.13087

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B	R	R	R	R	R	R	R	R	R	R
0.34	1.08689	1.09172	1.09623	1.10044	1.10438	1.10808	1.11155	1.11483	1.11792	1.12084
0.35	1.07796	1.08269	1.08709	1.09121	1.09507	1.09868	1.10208	1.10529	1.10831	1.11116
0.36	1.06933	1.07396	1.07827	1.08230	1.08607	1.08961	1.09294	1.09608	1.09904	1.10183
0.37	1.06099	1.06552	1.06974	1.07369	1.07738	1.08085	1.08411	1.08718	1.09008	1.09282
0.38	1.05292	1.05735	1.06149	1.06536	1.06898	1.07237	1.07557	1.07858	1.08142	1.08410
0.39	1.04510	1.04944	1.05350	1.05729	1.06084	1.06417	1.06730	1.07025	1.07304	1.07567
0.40	1.03751	1.04178	1.04575	1.04947	1.05295	1.05622	1.05929	1.06219	1.06492	1.06751
0.41	1.03016	1.03434	1.03824	1.04189	1.04531	1.04851	1.05153	1.05437	1.05706	1.05959
0.42	1.02302	1.02712	1.03095	1.03453	1.03789	1.04104	1.04400	1.04679	1.04943	1.05192
0.43	1.01608	1.02011	1.02387	1.02739	1.03069	1.03378	1.03669	1.03943	1.04202	1.04447
0.44	1.00933	1.01330	1.01699	1.02045	1.02369	1.02673	1.02959	1.03228	1.03483	1.03723
0.45	1.00277	1.00667	1.01030	1.01370	1.01688	1.01987	1.02268	1.02533	1.02784	1.03020
0.46	0.99639	1.00022	1.00379	1.00713	1.01026	1.01320	1.01597	1.01858	1.02104	1.02336
0.47	0.99017	0.99394	0.99745	1.00074	1.00382	1.00671	1.00944	1.01200	1.01442	1.01671
0.48	0.98411	0.98782	0.99128	0.99451	0.99755	1.00039	1.00307	1.00560	1.00798	1.01024
0.49	0.97821	0.98186	0.98526	0.98845	0.99143	0.99424	0.99687	0.99936	1.00171	1.00393
0.50	0.97245	0.97604	0.97939	0.98253	0.98547	0.98823	0.99083	0.99328	0.99559	0.99778
0.51	0.96683	0.97037	0.97367	0.97676	0.97966	0.98238	0.98494	0.98735	0.98963	0.99179
0.52	0.96134	0.96483	0.96808	0.97113	0.97398	0.97666	0.97919	0.98157	0.98381	0.98594
0.53	0.95598	0.95942	0.96263	0.96563	0.96844	0.97109	0.97357	0.97592	0.97813	0.98023
0.54	0.95075	0.95414	0.95730	0.96026	0.96303	0.96564	0.96809	0.97041	0.97259	0.97466
0.55	0.94563	0.94897	0.95209	0.95501	0.95775	0.96032	0.96274	0.96502	0.96717	0.96921
0.56	0.94063	0.94392	0.94700	0.94988	0.95258	0.95512	0.95750	0.95975	0.96188	0.96389
0.57	0.93573	0.93898	0.94202	0.94486	0.94753	0.95003	0.95239	0.95461	0.95671	0.95869
0.58	0.93094	0.93415	0.93715	0.93995	0.94258	0.94505	0.94738	0.94957	0.95164	0.95360
0.59	0.92625	0.92942	0.93238	0.93515	0.93775	0.94018	0.94248	0.94465	0.94669	0.94863
0.60	0.92166	0.92479	0.92771	0.93045	0.93301	0.93542	0.93769	0.93982	0.94184	0.94376
0.61	0.91716	0.92025	0.92314	0.92584	0.92837	0.93075	0.93299	0.93510	0.93710	0.93899
0.62	0.91276	0.91581	0.91866	0.92133	0.92383	0.92618	0.92839	0.93048	0.93245	0.93432
0.63	0.90843	0.91145	0.91427	0.91690	0.91937	0.92170	0.92388	0.92595	0.92790	0.92974



L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B	R	R	R	R	R	R	R	R	R	R
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	2.49849	2.53020	2.55905
0.03	0.	0.	2.18792	2.20382	2.21887	2.23314	2.24668	2.27180	2.29457	2.31531
0.04	2.01898	2.03304	2.04633	2.05889	2.07079	2.08208	2.09280	2.11268	2.13072	2.14717
0.05	1.91405	1.92577	1.93685	1.94733	1.95726	1.96668	1.97562	1.99224	2.00733	2.02109
0.06	1.82894	1.83905	1.84860	1.85765	1.86622	1.87436	1.88209	1.89645	1.90950	1.92142
0.07	1.75790	1.76682	1.77527	1.78326	1.79083	1.79803	1.80487	1.81758	1.82914	1.83971
0.08	1.69728	1.70531	1.71289	1.72008	1.72689	1.73336	1.73952	1.75096	1.76137	1.77090
0.09	1.64467	1.65197	1.65887	1.66542	1.67163	1.67753	1.68314	1.69357	1.70308	1.71177
0.10	1.59835	1.60506	1.61142	1.61744	1.62315	1.62858	1.63375	1.64336	1.65212	1.66014
0.11	1.55710	1.56333	1.56922	1.57481	1.58011	1.58516	1.58995	1.59888	1.60702	1.61448
0.12	1.52001	1.52583	1.53134	1.53656	1.54151	1.54623	1.55071	1.55906	1.56668	1.57365
0.13	1.48640	1.49187	1.49704	1.50194	1.50660	1.51103	1.51525	1.52310	1.53026	1.53683
0.14	1.45573	1.46088	1.46576	1.47040	1.47479	1.47898	1.48296	1.49038	1.49715	1.50335
0.15	1.42755	1.43244	1.43707	1.44146	1.44563	1.44960	1.45338	1.46042	1.46684	1.47273
0.16	1.40155	1.40620	1.41060	1.41478	1.41875	1.42252	1.42612	1.43282	1.43894	1.44455
0.17	1.37743	1.38187	1.38607	1.39006	1.39385	1.39745	1.40088	1.40729	1.41313	1.41849
0.18	1.35497	1.35921	1.36323	1.36705	1.37068	1.37413	1.37742	1.38355	1.38915	1.39428
0.19	1.33397	1.33804	1.34190	1.34556	1.34904	1.35236	1.35551	1.36140	1.36677	1.37171
0.20	1.31428	1.31819	1.32190	1.32542	1.32877	1.33196	1.33499	1.34065	1.34583	1.35057
0.21	1.29575	1.29952	1.30309	1.30649	1.30971	1.31278	1.31571	1.32117	1.32616	1.33073
0.22	1.27827	1.28191	1.28536	1.28863	1.29175	1.29471	1.29754	1.30281	1.30763	1.31205
0.23	1.26174	1.26526	1.26859	1.27176	1.27477	1.27764	1.28037	1.28547	1.29013	1.29441
0.24	1.24607	1.24947	1.25270	1.25577	1.25869	1.26146	1.26411	1.26905	1.27357	1.27771
0.25	1.23118	1.23448	1.23762	1.24059	1.24342	1.24611	1.24868	1.25347	1.25785	1.26187
0.26	1.21701	1.22022	1.22326	1.22615	1.22889	1.23151	1.23400	1.23865	1.24291	1.24681
0.27	1.20350	1.20662	1.20957	1.21238	1.21505	1.21759	1.22001	1.22454	1.22867	1.23247
0.28	1.19060	1.19363	1.19650	1.19923	1.20183	1.20430	1.20666	1.21107	1.21509	1.21879
0.29	1.17825	1.18120	1.18400	1.18666	1.18919	1.19160	1.19390	1.19819	1.20212	1.20572
0.30	1.16643	1.16930	1.17203	1.17462	1.17709	1.17944	1.18168	1.18586	1.18969	1.19321
0.31	1.15508	1.15788	1.16055	1.16308	1.16548	1.16778	1.16996	1.17405	1.17778	1.18122
0.32	1.14418	1.14692	1.14952	1.15199	1.15434	1.15658	1.15871	1.16270	1.16635	1.16971
0.33	1.13369	1.13637	1.13891	1.14133	1.14362	1.14581	1.14790	1.15180	1.15537	1.15865

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B	R	R	R	R	R	R	R	R	R	R
0.34	1.12360	1.12622	1.12870	1.13106	1.13331	1.13545	1.13749	1.14131	1.14480	1.14800
0.35	1.11387	1.11643	1.11886	1.12117	1.12337	1.12547	1.12746	1.13120	1.13462	1.13776
0.36	1.10448	1.10699	1.10937	1.11163	1.11378	1.11584	1.11779	1.12145	1.12480	1.12787
0.37	1.09541	1.09787	1.10020	1.10242	1.10453	1.10654	1.10846	1.11204	1.11532	1.11834
0.38	1.08664	1.08905	1.09134	1.09351	1.09558	1.09756	1.09944	1.10295	1.10617	1.10913
0.39	1.07816	1.08053	1.08277	1.08490	1.08693	1.08887	1.09071	1.09416	1.09732	1.10022
0.40	1.06995	1.07227	1.07447	1.07656	1.07856	1.08045	1.08227	1.08565	1.08875	1.09160
0.41	1.06199	1.06427	1.06643	1.06849	1.07044	1.07231	1.07408	1.07741	1.08045	1.08325
0.42	1.05427	1.05651	1.05863	1.06065	1.06257	1.06441	1.06615	1.06942	1.07241	1.07516
0.43	1.04678	1.04898	1.05107	1.05305	1.05494	1.05674	1.05846	1.06167	1.06461	1.06731
0.44	1.03951	1.04167	1.04372	1.04567	1.04753	1.04930	1.05099	1.05414	1.05703	1.05969
0.45	1.03244	1.03457	1.03658	1.03850	1.04033	1.04207	1.04373	1.04684	1.04968	1.05229
0.46	1.02557	1.02766	1.02964	1.03153	1.03333	1.03504	1.03668	1.03973	1.04253	1.04510
0.47	1.01888	1.02094	1.02289	1.02475	1.02652	1.02821	1.02981	1.03282	1.03558	1.03811
0.48	1.01237	1.01440	1.01632	1.01815	1.01989	1.02155	1.02314	1.02610	1.02881	1.03131
0.49	1.00603	1.00803	1.00992	1.01172	1.01344	1.01507	1.01663	1.01955	1.02222	1.02468
0.50	0.99985	1.00182	1.00368	1.00546	1.00715	1.00876	1.01030	1.01317	1.01581	1.01823
0.51	0.99383	0.99576	0.99760	0.99935	1.00102	1.00261	1.00412	1.00696	1.00955	1.01194
0.52	0.98795	0.98986	0.99167	0.99340	0.99504	0.99661	0.99810	1.00089	1.00345	1.00581
0.53	0.98221	0.98410	0.98588	0.98759	0.98920	0.99075	0.99222	0.99498	0.99750	0.99983
0.54	0.97661	0.97847	0.98023	0.98191	0.98351	0.98503	0.98649	0.98920	0.99170	0.99399
0.55	0.97114	0.97297	0.97471	0.97637	0.97795	0.97945	0.98088	0.98357	0.98603	0.98829
0.56	0.96580	0.96760	0.96932	0.97096	0.97251	0.97400	0.97541	0.97806	0.98049	0.98272
0.57	0.96057	0.96236	0.96405	0.96566	0.96720	0.96866	0.97006	0.97268	0.97507	0.97728
0.58	0.95546	0.95722	0.95890	0.96049	0.96200	0.96345	0.96483	0.96741	0.96978	0.97195
0.59	0.95046	0.95220	0.95385	0.95543	0.95692	0.95835	0.95971	0.96226	0.96460	0.96675
0.60	0.94557	0.94729	0.94892	0.95047	0.95195	0.95336	0.95471	0.95723	0.95954	0.96166
0.61	0.94078	0.94247	0.94409	0.94562	0.94708	0.94848	0.94981	0.95230	0.95458	0.95668
0.62	0.93608	0.93776	0.93935	0.94087	0.94232	0.94369	0.94501	0.94747	0.94972	0.95180
0.63	0.93149	0.93314	0.93472	0.93622	0.93765	0.93901	0.94031	0.94274	0.94497	0.94702

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B	R	R	R	R	R	R	R	R	R	R
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	3.16428	3.19509	3.22371	3.25033	3.27515	3.29835
0.02	2.58540	2.60954	2.63173	2.65220	2.67112	2.68867	2.70498	2.72018	2.73438	2.74767
0.03	2.33427	2.35165	2.36766	2.38243	2.39611	2.40881	2.42064	2.43167	2.44199	2.45166
0.04	2.16222	2.17603	2.18877	2.20053	2.21144	2.22158	2.23103	2.23985	2.24811	2.25586
0.05	2.03370	2.04529	2.05597	2.06586	2.07503	2.08356	2.09151	2.09894	2.10591	2.11244
0.06	1.93235	1.94240	1.95167	1.96025	1.96822	1.97564	1.98256	1.98903	1.99509	2.00079
0.07	1.84939	1.85831	1.86654	1.87417	1.88125	1.88785	1.89400	1.89976	1.90516	1.91023
0.08	1.77963	1.78768	1.79511	1.80200	1.80840	1.81436	1.81992	1.82513	1.83002	1.83461
0.09	1.71975	1.72710	1.73390	1.74019	1.74605	1.75150	1.75660	1.76137	1.76584	1.77005
0.10	1.66750	1.67429	1.68056	1.68638	1.69179	1.69683	1.70154	1.70595	1.71009	1.71398
0.11	1.62132	1.62763	1.63347	1.63889	1.64392	1.64862	1.65300	1.65711	1.66097	1.66460
0.12	1.58006	1.58597	1.59144	1.59651	1.60123	1.60563	1.60974	1.61360	1.61721	1.62062
0.13	1.54286	1.54842	1.55357	1.55835	1.56280	1.56694	1.57082	1.57445	1.57786	1.58107
0.14	1.50906	1.51432	1.51919	1.52372	1.52792	1.53185	1.53552	1.53896	1.54219	1.54523
0.15	1.47815	1.48315	1.48777	1.49207	1.49607	1.49980	1.50329	1.50656	1.50963	1.51252
0.16	1.44971	1.45448	1.45889	1.46298	1.46679	1.47035	1.47368	1.47680	1.47973	1.48249
0.17	1.42342	1.42798	1.43219	1.43611	1.43975	1.44316	1.44634	1.44933	1.45213	1.45477
0.18	1.39901	1.40337	1.40741	1.41117	1.41466	1.41793	1.42098	1.42384	1.42653	1.42907
0.19	1.37624	1.38044	1.38432	1.38793	1.39129	1.39442	1.39736	1.40011	1.40270	1.40513
0.20	1.35494	1.35898	1.36272	1.36619	1.36943	1.37245	1.37528	1.37793	1.38042	1.38277
0.21	1.33495	1.33884	1.34245	1.34580	1.34892	1.35184	1.35457	1.35713	1.35953	1.36180
0.22	1.31612	1.31988	1.32337	1.32661	1.32963	1.33245	1.33508	1.33756	1.33989	1.34208
0.23	1.29835	1.30199	1.30536	1.30850	1.31142	1.31415	1.31670	1.31910	1.32135	1.32348
0.24	1.28153	1.28506	1.28833	1.29137	1.29420	1.29685	1.29932	1.30165	1.30383	1.30589
0.25	1.26558	1.26900	1.27217	1.27512	1.27787	1.28044	1.28285	1.28511	1.28723	1.28923
0.26	1.25041	1.25374	1.25683	1.25969	1.26237	1.26486	1.26720	1.26939	1.27146	1.27340
0.27	1.23598	1.23921	1.24221	1.24500	1.24760	1.25003	1.25231	1.25444	1.25645	1.25834
0.28	1.22220	1.22535	1.22828	1.23099	1.23353	1.23589	1.23811	1.24019	1.24214	1.24399
0.29	1.20904	1.21211	1.21496	1.21761	1.22008	1.22239	1.22455	1.22658	1.22848	1.23028
0.30	1.19645	1.19945	1.20222	1.20481	1.20722	1.20947	1.21158	1.21356	1.21542	1.21717
0.31	1.18438	1.18730	1.19002	1.19254	1.19490	1.19709	1.19915	1.20109	1.20291	1.20462
0.32	1.17280	1.17566	1.17831	1.18077	1.18307	1.18522	1.18724	1.18913	1.19090	1.19258
0.33	1.16167	1.16446	1.16706	1.16947	1.17172	1.17382	1.17579	1.17764	1.17938	1.18102

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B	R	R	R	R	R	R	R	R	R	R
0.34	1.15096	1.15370	1.15624	1.15860	1.16080	1.16286	1.16478	1.16659	1.16829	1.16990
0.35	1.14065	1.14333	1.14582	1.14813	1.15028	1.15230	1.15419	1.15596	1.15763	1.15920
0.36	1.13071	1.13334	1.13577	1.13804	1.14015	1.14212	1.14397	1.14571	1.14735	1.14889
0.37	1.12112	1.12369	1.12608	1.12830	1.13037	1.13231	1.13412	1.13583	1.13743	1.13894
0.38	1.11185	1.11438	1.11672	1.11890	1.12093	1.12283	1.12461	1.12628	1.12785	1.12933
0.39	1.10289	1.10537	1.10767	1.10981	1.11180	1.11367	1.11541	1.11706	1.11860	1.12005
0.40	1.09423	1.09666	1.09891	1.10101	1.10297	1.10480	1.10652	1.10813	1.10965	1.11108
0.41	1.08583	1.08822	1.09044	1.09250	1.09442	1.09622	1.09791	1.09949	1.10098	1.10239
0.42	1.07770	1.08004	1.08222	1.08425	1.08614	1.08791	1.08957	1.09112	1.09259	1.09397
0.43	1.06980	1.07211	1.07425	1.07625	1.07811	1.07985	1.08148	1.08301	1.08445	1.08580
0.44	1.06215	1.06442	1.06652	1.06848	1.07031	1.07202	1.07363	1.07513	1.07655	1.07788
0.45	1.05471	1.05694	1.05901	1.06094	1.06274	1.06443	1.06600	1.06749	1.06888	1.07019
0.46	1.04748	1.04968	1.05172	1.05362	1.05539	1.05705	1.05860	1.06006	1.06143	1.06273
0.47	1.04045	1.04261	1.04462	1.04649	1.04824	1.04987	1.05140	1.05284	1.05419	1.05546
0.48	1.03361	1.03574	1.03772	1.03956	1.04128	1.04289	1.04440	1.04581	1.04714	1.04840
0.49	1.02695	1.02905	1.03100	1.03282	1.03451	1.03610	1.03758	1.03898	1.04029	1.04153
0.50	1.02047	1.02254	1.02446	1.02625	1.02792	1.02948	1.03094	1.03232	1.03361	1.03483
0.51	1.01415	1.01619	1.01808	1.01985	1.02149	1.02303	1.02448	1.02583	1.02711	1.02831
0.52	1.00798	1.01000	1.01187	1.01360	1.01523	1.01675	1.01817	1.01951	1.02077	1.02195
0.53	1.00197	1.00396	1.00580	1.00752	1.00912	1.01062	1.01202	1.01334	1.01458	1.01575
0.54	0.99610	0.99806	0.99988	1.00158	1.00316	1.00463	1.00602	1.00732	1.00855	1.00970
0.55	0.99038	0.99231	0.99410	0.99578	0.99734	0.99879	1.00016	1.00145	1.00266	1.00380
0.56	0.98478	0.98669	0.98846	0.99011	0.99165	0.99309	0.99444	0.99571	0.99690	0.99803
0.57	0.97931	0.98120	0.98295	0.98457	0.98610	0.98752	0.98885	0.99011	0.99128	0.99240
0.58	0.97396	0.97583	0.97755	0.97916	0.98067	0.98207	0.98339	0.98463	0.98579	0.98689
0.59	0.96874	0.97057	0.97228	0.97387	0.97536	0.97674	0.97805	0.97927	0.98042	0.98151
0.60	0.96362	0.96544	0.96712	0.96870	0.97016	0.97153	0.97282	0.97403	0.97517	0.97624
0.61	0.95861	0.96041	0.96208	0.96363	0.96508	0.96643	0.96771	0.96890	0.97003	0.97109
0.62	0.95371	0.95549	0.95714	0.95867	0.96010	0.96144	0.96270	0.96388	0.96499	0.96604
0.63	0.94891	0.95067	0.95230	0.95381	0.95523	0.95656	0.95780	0.95897	0.96007	0.96110

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B	R	R	R	R	R	R	R	R	R	R
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	3.32006	3.34043	3.35957	3.37758	3.39457	3.41061	3.42578	3.44015	3.45378	3.46672
0.02	2.76013	2.77185	2.78287	2.79328	2.80310	2.81239	2.82120	2.82956	2.83750	2.84505
0.03	2.46074	2.46929	2.47734	2.48495	2.49214	2.49895	2.50541	2.51154	2.51737	2.52293
0.04	2.26314	2.26999	2.27646	2.28257	2.28835	2.29383	2.29903	2.30397	2.30868	2.31316
0.05	2.11859	2.12438	2.12984	2.13501	2.13990	2.14454	2.14894	2.15313	2.15711	2.16091
0.06	2.00614	2.01119	2.01596	2.02047	2.02474	2.02879	2.03264	2.03630	2.03978	2.04310
0.07	1.91501	1.91951	1.92376	1.92778	1.93159	1.93521	1.93864	1.94191	1.94502	1.94799
0.08	1.83893	1.84301	1.84686	1.85051	1.85396	1.85724	1.86036	1.86332	1.86614	1.86883
0.09	1.77401	1.77775	1.78128	1.78463	1.78779	1.79080	1.79366	1.79638	1.79897	1.80144
0.10	1.71764	1.72110	1.72437	1.72747	1.73040	1.73319	1.73583	1.73835	1.74075	1.74305
0.11	1.66802	1.67124	1.67429	1.67718	1.67992	1.68251	1.68499	1.68734	1.68958	1.69172
0.12	1.62382	1.62685	1.62971	1.63242	1.63499	1.63743	1.63975	1.64196	1.64407	1.64608
0.13	1.58410	1.58695	1.58965	1.59221	1.59464	1.59694	1.59913	1.60121	1.60320	1.60510
0.14	1.54810	1.55080	1.55336	1.55579	1.55808	1.56027	1.56234	1.56432	1.56621	1.56800
0.15	1.51525	1.51782	1.52025	1.52256	1.52475	1.52682	1.52880	1.53068	1.53248	1.53419
0.16	1.48509	1.48754	1.48987	1.49207	1.49416	1.49614	1.49803	1.49982	1.50154	1.50317
0.17	1.45726	1.45961	1.46183	1.46394	1.46594	1.46784	1.46964	1.47136	1.47300	1.47457
0.18	1.43145	1.43371	1.43584	1.43787	1.43978	1.44161	1.44334	1.44499	1.44657	1.44807
0.19	1.40743	1.40960	1.41165	1.41360	1.41544	1.41720	1.41887	1.42046	1.42197	1.42342
0.20	1.38498	1.38707	1.38905	1.39093	1.39271	1.39440	1.39601	1.39754	1.39900	1.40039
0.21	1.36394	1.36595	1.36787	1.36968	1.37139	1.37303	1.37458	1.37606	1.37747	1.37882
0.22	1.34414	1.34610	1.34794	1.34969	1.35136	1.35294	1.35444	1.35587	1.35724	1.35854
0.23	1.32548	1.32737	1.32916	1.33086	1.33247	1.33400	1.33545	1.33684	1.33816	1.33943
0.24	1.30783	1.30967	1.31140	1.31305	1.31461	1.31610	1.31751	1.31885	1.32014	1.32136
0.25	1.29111	1.29289	1.29458	1.29618	1.29769	1.29914	1.30051	1.30182	1.30307	1.30426
0.26	1.27523	1.27697	1.27861	1.28016	1.28164	1.28304	1.28437	1.28565	1.28686	1.28802
0.27	1.26013	1.26181	1.26341	1.26492	1.26636	1.26772	1.26902	1.27026	1.27144	1.27257
0.28	1.24573	1.24737	1.24892	1.25040	1.25180	1.25313	1.25440	1.25560	1.25676	1.25786
0.29	1.23198	1.23358	1.23510	1.23653	1.23790	1.23920	1.24043	1.24161	1.24274	1.24381
0.30	1.21883	1.22039	1.22187	1.22328	1.22461	1.22588	1.22708	1.22823	1.22933	1.23038
0.31	1.20624	1.20776	1.20921	1.21058	1.21189	1.21312	1.21430	1.21543	1.21650	1.21752
0.32	1.19416	1.19565	1.19707	1.19841	1.19968	1.20089	1.20205	1.20315	1.20419	1.20519
0.33	1.18256	1.18402	1.18541	1.18672	1.18797	1.18915	1.19028	1.19135	1.19238	1.19336

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B	R	R	R	R	R	R	R	R	R	R
0.34	1.17141	1.17284	1.17420	1.17548	1.17670	1.17786	1.17897	1.18002	1.18103	1.18199
0.35	1.16068	1.16208	1.16341	1.16467	1.16586	1.16700	1.16808	1.16911	1.17010	1.17104
0.36	1.15034	1.15171	1.15301	1.15425	1.15542	1.15653	1.15760	1.15861	1.15957	1.16049
0.37	1.14036	1.14171	1.14299	1.14420	1.14535	1.14644	1.14748	1.14847	1.14942	1.15032
0.38	1.13073	1.13206	1.13331	1.13450	1.13562	1.13670	1.13772	1.13869	1.13962	1.14051
0.39	1.12143	1.12272	1.12395	1.12512	1.12623	1.12728	1.12828	1.12924	1.13015	1.13102
0.40	1.11242	1.11370	1.11491	1.11605	1.11714	1.11818	1.11916	1.12010	1.12100	1.12185
0.41	1.10371	1.10496	1.10615	1.10728	1.10835	1.10936	1.11033	1.11125	1.11214	1.11298
0.42	1.09527	1.09650	1.09767	1.09878	1.09983	1.10083	1.10178	1.10269	1.10355	1.10438
0.43	1.08708	1.08830	1.08944	1.09053	1.09157	1.09255	1.09349	1.09438	1.09523	1.09605
0.44	1.07914	1.08034	1.08147	1.08254	1.08356	1.08452	1.08544	1.08632	1.08716	1.08796
0.45	1.07144	1.07261	1.07372	1.07478	1.07578	1.07673	1.07764	1.07850	1.07933	1.08011
0.46	1.06395	1.06510	1.06620	1.06724	1.06822	1.06916	1.07005	1.07090	1.07172	1.07249
0.47	1.05667	1.05781	1.05888	1.05991	1.06088	1.06180	1.06268	1.06352	1.06432	1.06509
0.48	1.04959	1.05071	1.05177	1.05278	1.05373	1.05464	1.05551	1.05634	1.05713	1.05788
0.49	1.04269	1.04380	1.04485	1.04584	1.04678	1.04768	1.04854	1.04935	1.05013	1.05087
0.50	1.03598	1.03707	1.03811	1.03909	1.04002	1.04090	1.04174	1.04255	1.04331	1.04404
0.51	1.02945	1.03052	1.03154	1.03250	1.03342	1.03429	1.03512	1.03592	1.03667	1.03740
0.52	1.02307	1.02413	1.02514	1.02609	1.02699	1.02786	1.02868	1.02946	1.03020	1.03092
0.53	1.01686	1.01790	1.01889	1.01983	1.02073	1.02158	1.02239	1.02316	1.02389	1.02460
0.54	1.01079	1.01183	1.01280	1.01373	1.01461	1.01545	1.01625	1.01701	1.01774	1.01843
0.55	1.00488	1.00589	1.00686	1.00778	1.00865	1.00947	1.01026	1.01101	1.01173	1.01242
0.56	0.99909	1.00010	1.00105	1.00196	1.00282	1.00363	1.00441	1.00515	1.00586	1.00654
0.57	0.99345	0.99444	0.99538	0.99628	0.99712	0.99793	0.99870	0.99943	1.00013	1.00080
0.58	0.98793	0.98891	0.98984	0.99072	0.99156	0.99236	0.99312	0.99384	0.99453	0.99519
0.59	0.98253	0.98350	0.98442	0.98529	0.98612	0.98691	0.98766	0.98837	0.98906	0.98971
0.60	0.97725	0.97821	0.97912	0.97998	0.98080	0.98158	0.98232	0.98303	0.98370	0.98435
0.61	0.97209	0.97303	0.97393	0.97478	0.97559	0.97636	0.97710	0.97779	0.97846	0.97910
0.62	0.96703	0.96797	0.96886	0.96970	0.97050	0.97126	0.97198	0.97267	0.97333	0.97396
0.63	0.96208	0.96301	0.96388	0.96472	0.96551	0.96626	0.96698	0.96766	0.96831	0.96894

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B	R	R	R	R	R	R	R	R	R	R
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	3.47903	3.49075	3.50191	3.51257	3.52275	3.53248	3.54179	3.55071	3.55927	3.56748
0.02	2.85224	2.85910	2.86564	2.87190	2.87788	2.88361	2.88910	2.89437	2.89942	2.90428
0.03	2.52822	2.53327	2.53810	2.54271	2.54713	2.55136	2.55542	2.55932	2.56306	2.56665
0.04	2.31743	2.32151	2.32540	2.32913	2.33270	2.33613	2.33941	2.34256	2.34559	2.34851
0.05	2.16453	2.16799	2.17130	2.17447	2.17750	2.18041	2.18320	2.18588	2.18845	2.19093
0.06	2.04627	2.04930	2.05220	2.05497	2.05762	2.06017	2.06262	2.06496	2.06722	2.06939
0.07	1.95082	1.95353	1.95612	1.95860	1.96097	1.96325	1.96544	1.96754	1.96956	1.97150
0.08	1.87140	1.87386	1.87621	1.87846	1.88062	1.88269	1.88468	1.88659	1.88842	1.89019
0.09	1.80380	1.80606	1.80822	1.81029	1.81227	1.81417	1.81600	1.81775	1.81944	1.82106
0.10	1.74523	1.74732	1.74933	1.75124	1.75308	1.75484	1.75654	1.75817	1.75973	1.76124
0.11	1.69376	1.69571	1.69758	1.69937	1.70109	1.70274	1.70432	1.70584	1.70730	1.70871
0.12	1.64800	1.64983	1.65159	1.65327	1.65488	1.65643	1.65792	1.65935	1.66072	1.66205
0.13	1.60691	1.60864	1.61030	1.61189	1.61342	1.61488	1.61628	1.61764	1.61894	1.62019
0.14	1.56972	1.57137	1.57294	1.57445	1.57589	1.57728	1.57861	1.57990	1.58113	1.58232
0.15	1.53582	1.53739	1.53889	1.54032	1.54170	1.54302	1.54429	1.54551	1.54669	1.54782
0.16	1.50473	1.50623	1.50766	1.50903	1.51035	1.51161	1.51282	1.51399	1.51511	1.51619
0.17	1.47607	1.47750	1.47887	1.48018	1.48144	1.48265	1.48381	1.48493	1.48601	1.48704
0.18	1.44951	1.45088	1.45220	1.45346	1.45467	1.45583	1.45695	1.45802	1.45906	1.46005
0.19	1.42480	1.42612	1.42739	1.42861	1.42977	1.43089	1.43196	1.43300	1.43399	1.43495
0.20	1.40173	1.40300	1.40423	1.40540	1.40652	1.40760	1.40864	1.40963	1.41059	1.41152
0.21	1.38011	1.38134	1.38252	1.38365	1.38474	1.38578	1.38678	1.38774	1.38867	1.38956
0.22	1.35979	1.36098	1.36212	1.36322	1.36427	1.36528	1.36625	1.36718	1.36808	1.36894
0.23	1.34063	1.34179	1.34290	1.34396	1.34498	1.34595	1.34689	1.34780	1.34867	1.34951
0.24	1.32254	1.32366	1.32473	1.32576	1.32675	1.32770	1.32861	1.32949	1.33033	1.33115
0.25	1.30540	1.30649	1.30753	1.30853	1.30949	1.31041	1.31130	1.31215	1.31297	1.31376
0.26	1.28913	1.29019	1.29120	1.29217	1.29311	1.29401	1.29487	1.29570	1.29650	1.29726
0.27	1.27365	1.27468	1.27567	1.27662	1.27753	1.27840	1.27924	1.28005	1.28083	1.28158
0.28	1.25891	1.25991	1.26088	1.26180	1.26269	1.26354	1.26436	1.26515	1.26590	1.26663
0.29	1.24483	1.24582	1.24676	1.24766	1.24852	1.24935	1.25015	1.25092	1.25166	1.25237
0.30	1.23138	1.23234	1.23326	1.23414	1.23498	1.23580	1.23658	1.23733	1.23805	1.23874
0.31	1.21850	1.21944	1.22034	1.22120	1.22202	1.22281	1.22358	1.22431	1.22502	1.22570
0.32	1.20615	1.20707	1.20795	1.20879	1.20960	1.21037	1.21112	1.21183	1.21252	1.21319
0.33	1.19430	1.19519	1.19605	1.19688	1.19767	1.19843	1.19916	1.19986	1.20053	1.20119

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B	R	R	R	R	R	R	R	R	R	R
0.34	1.18290	1.18378	1.18462	1.18543	1.18620	1.18695	1.18766	1.18835	1.18901	1.18965
0.35	1.17194	1.17280	1.17362	1.17441	1.17517	1.17590	1.17660	1.17728	1.17792	1.17855
0.36	1.16138	1.16222	1.16303	1.16380	1.16455	1.16526	1.16595	1.16661	1.16724	1.16786
0.37	1.15119	1.15202	1.15281	1.15357	1.15430	1.15500	1.15568	1.15632	1.15695	1.15755
0.38	1.14136	1.14217	1.14295	1.14369	1.14441	1.14510	1.14576	1.14640	1.14701	1.14760
0.39	1.13186	1.13266	1.13342	1.13415	1.13486	1.13553	1.13618	1.13681	1.13741	1.13799
0.40	1.12267	1.12346	1.12421	1.12493	1.12562	1.12628	1.12692	1.12753	1.12813	1.12870
0.41	1.11378	1.11455	1.11529	1.11600	1.11668	1.11733	1.11796	1.11856	1.11914	1.11970
0.42	1.10517	1.10593	1.10665	1.10735	1.10802	1.10866	1.10928	1.10987	1.11044	1.11099
0.43	1.09682	1.09757	1.09828	1.09897	1.09963	1.10026	1.10086	1.10145	1.10201	1.10255
0.44	1.08873	1.08946	1.09016	1.09084	1.09148	1.09211	1.09270	1.09328	1.09383	1.09437
0.45	1.08087	1.08159	1.08228	1.08295	1.08358	1.08419	1.08478	1.08535	1.08589	1.08642
0.46	1.07324	1.07395	1.07463	1.07528	1.07591	1.07651	1.07709	1.07765	1.07818	1.07870
0.47	1.06582	1.06652	1.06719	1.06783	1.06845	1.06904	1.06961	1.07016	1.07069	1.07120
0.48	1.05860	1.05929	1.05995	1.06059	1.06120	1.06178	1.06234	1.06288	1.06341	1.06391
0.49	1.05158	1.05226	1.05291	1.05354	1.05414	1.05472	1.05527	1.05580	1.05632	1.05681
0.50	1.04475	1.04542	1.04606	1.04668	1.04727	1.04784	1.04838	1.04891	1.04942	1.04990
0.51	1.03809	1.03875	1.03938	1.03999	1.04057	1.04114	1.04167	1.04219	1.04269	1.04317
0.52	1.03160	1.03225	1.03288	1.03348	1.03405	1.03460	1.03514	1.03565	1.03614	1.03662
0.53	1.02527	1.02591	1.02653	1.02712	1.02769	1.02824	1.02876	1.02927	1.02975	1.03022
0.54	1.01910	1.01973	1.02034	1.02093	1.02149	1.02203	1.02254	1.02304	1.02352	1.02399
0.55	1.01307	1.01370	1.01430	1.01488	1.01543	1.01596	1.01648	1.01697	1.01744	1.01790
0.56	1.00719	1.00781	1.00840	1.00897	1.00952	1.01004	1.01055	1.01104	1.01150	1.01196
0.57	1.00144	1.00205	1.00264	1.00320	1.00374	1.00426	1.00476	1.00524	1.00570	1.00615
0.58	0.99582	0.99643	0.99701	0.99757	0.99810	0.99861	0.99911	0.99958	1.00004	1.00048
0.59	0.99033	0.99093	0.99150	0.99205	0.99258	0.99309	0.99358	0.99405	0.99450	0.99493
0.60	0.98496	0.98555	0.98612	0.98666	0.98719	0.98769	0.98817	0.98863	0.98908	0.98951
0.61	0.97971	0.98029	0.98085	0.98139	0.98191	0.98240	0.98288	0.98334	0.98378	0.98420
0.62	0.97457	0.97515	0.97570	0.97623	0.97674	0.97723	0.97770	0.97815	0.97859	0.97901
0.63	0.96953	0.97011	0.97065	0.97118	0.97168	0.97217	0.97263	0.97308	0.97351	0.97393



L	5.80	5.90	6.00	6.10	6.20	6.30				
B	R	R	R	R	R	R	R	R	R	R
0.	0.	0.	0.	0.	0.	0.				
0.01	3.57536	3.58294	3.59022	3.59724	3.60400	3.61051				
0.02	2.90895	2.91344	2.91777	2.92194	2.92596	2.92984				
0.03	2.57011	2.57344	2.57665	2.57975	2.58273	2.58562				
0.04	2.35131	2.35401	2.35662	2.35913	2.36155	2.36389				
0.05	2.19332	2.19561	2.19783	2.19997	2.20203	2.20402				
0.06	2.07149	2.07350	2.07544	2.07732	2.07913	2.08088				
0.07	1.97338	1.97518	1.97692	1.97860	1.98022	1.98179				
0.08	1.89189	1.89353	1.89511	1.89664	1.89811	1.89954				
0.09	1.82263	1.82414	1.82559	1.82700	1.82835	1.82966				
0.10	1.76269	1.76409	1.76544	1.76674	1.76800	1.76922				
0.11	1.71007	1.71138	1.71264	1.71386	1.71503	1.71617				
0.12	1.66332	1.66455	1.66574	1.66689	1.66799	1.66906				
0.13	1.62139	1.62255	1.62368	1.62476	1.62580	1.62682				
0.14	1.58346	1.58457	1.58563	1.58666	1.58765	1.58861				
0.15	1.54891	1.54996	1.55097	1.55195	1.55290	1.55381				
0.16	1.51723	1.51824	1.51921	1.52014	1.52105	1.52192				
0.17	1.48804	1.48900	1.48993	1.49083	1.49170	1.49253				
0.18	1.46101	1.46193	1.46283	1.46369	1.46452	1.46533				
0.19	1.43587	1.43676	1.43762	1.43845	1.43925	1.44003				
0.20	1.41241	1.41326	1.41409	1.41489	1.41567	1.41641				
0.21	1.39043	1.39126	1.39206	1.39283	1.39358	1.39430				
0.22	1.36977	1.37058	1.37135	1.37210	1.37282	1.37352				
0.23	1.35031	1.35109	1.35184	1.35257	1.35327	1.35395				
0.24	1.33193	1.33269	1.33342	1.33412	1.33480	1.33546				
0.25	1.31452	1.31526	1.31597	1.31665	1.31731	1.31795				
0.26	1.29801	1.29872	1.29941	1.30008	1.30072	1.30134				
0.27	1.28230	1.28300	1.28367	1.28432	1.28494	1.28555				
0.28	1.26734	1.26802	1.26867	1.26931	1.26992	1.27051				
0.29	1.25306	1.25372	1.25436	1.25498	1.25558	1.25615				
0.30	1.23941	1.24006	1.24069	1.24129	1.24187	1.24244				
0.31	1.22635	1.22699	1.22760	1.22819	1.22876	1.22931				
0.32	1.21383	1.21445	1.21505	1.21562	1.21618	1.21672				
0.33	1.20181	1.20242	1.20300	1.20357	1.20411	1.20464				

L	5.80	5.90	6.00	6.10	6.20	6.30				
B	R	R	R	R	R	R	R	R	R	R
0.34	1.19026	1.19086	1.19143	1.19198	1.19252	1.19303				
0.35	1.17915	1.17973	1.18029	1.18084	1.18136	1.18187				
0.36	1.16845	1.16902	1.16957	1.17010	1.17061	1.17111				
0.37	1.15813	1.15869	1.15923	1.15975	1.16025	1.16074				
0.38	1.14817	1.14872	1.14925	1.14976	1.15026	1.15073				
0.39	1.13855	1.13909	1.13961	1.14011	1.14060	1.14107				
0.40	1.12924	1.12977	1.13029	1.13078	1.13126	1.13172				
0.41	1.12024	1.12076	1.12127	1.12175	1.12222	1.12268				
0.42	1.11152	1.11204	1.11253	1.11301	1.11347	1.11392				
0.43	1.10307	1.10358	1.10407	1.10454	1.10499	1.10543				
0.44	1.09488	1.09538	1.09585	1.09632	1.09676	1.09720				
0.45	1.08693	1.08741	1.08789	1.08834	1.08878	1.08921				
0.46	1.07920	1.07968	1.08015	1.08059	1.08103	1.08145				
0.47	1.07169	1.07217	1.07262	1.07307	1.07349	1.07391				
0.48	1.06439	1.06486	1.06531	1.06575	1.06617	1.06657				
0.49	1.05729	1.05775	1.05819	1.05862	1.05904	1.05944				
0.50	1.05037	1.05083	1.05127	1.05169	1.05210	1.05250				
0.51	1.04364	1.04409	1.04452	1.04494	1.04534	1.04573				
0.52	1.03708	1.03752	1.03794	1.03836	1.03875	1.03914				
0.53	1.03068	1.03111	1.03153	1.03194	1.03233	1.03271				
0.54	1.02443	1.02486	1.02528	1.02568	1.02607	1.02644				
0.55	1.01834	1.01876	1.01918	1.01957	1.01996	1.02033				
0.56	1.01239	1.01281	1.01322	1.01361	1.01399	1.01435				
0.57	1.00658	1.00700	1.00740	1.00778	1.00816	1.00852				
0.58	1.00090	1.00131	1.00171	1.00209	1.00246	1.00282				
0.59	0.99535	0.99576	0.99615	0.99653	0.99689	0.99725				
0.60	0.98992	0.99033	0.99071	0.99109	0.99145	0.99180				
0.61	0.98461	0.98501	0.98539	0.98576	0.98612	0.98646				
0.62	0.97942	0.97981	0.98019	0.98055	0.98091	0.98125				
0.63	0.97433	0.97472	0.97509	0.97545	0.97580	0.97614				



Table 2

Invariant Latitude,  $\lambda$ , as a Function of B and L

$$\lambda(B,L) = \cos^{-1}[pS(p)]^{1/2}; p = \left[ \frac{M}{BL^3} \right]^{1/3}$$

B in Gauss

$\lambda$  in Degrees

L in Earth-Radii

M = 0.311653 (Earth-Radii)<sup>3</sup> - Gauss

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.04	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.06	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.07	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.08	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.09	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.31028
0.10	0.	0.	0.	0.	0.	0.	0.	0.	7.65656	11.50136
0.11	0.	0.	0.	0.	0.	0.	0.	7.34045	11.40047	14.31262
0.12	0.	0.	0.	0.	0.	0.	6.35425	10.90368	14.00520	16.49280
0.13	0.	0.	0.	0.	0.	4.35783	9.99654	13.40092	16.05614	18.28854
0.14	0.	0.	0.	0.	0.	8.58951	12.48425	15.37739	17.76163	19.81941
0.15	0.	0.	0.	0.	6.40169	11.20258	14.44090	17.02795	19.22573	21.15445
0.16	0.	0.	0.	1.40735	9.43061	13.20777	16.07207	18.45006	20.50959	22.33792
0.17	0.	0.	0.	6.82083	11.59806	14.86213	17.47736	19.70110	21.65286	23.40017
0.18	0.	0.	0.	9.43540	13.33884	16.28003	18.71437	20.81831	22.68298	24.36310
0.19	0.	0.	6.18240	11.38652	14.81039	17.52471	19.82008	21.82749	23.61987	25.24304
0.20	0.	0.	8.73256	12.98260	16.09182	18.63565	20.81996	22.74743	24.47850	26.05259
0.21	0.	4.23362	10.62011	14.34723	17.22978	19.63953	21.73244	23.59226	25.27048	26.80165
0.22	0.	7.22564	12.16201	15.54529	18.25467	20.55540	22.57138	24.37297	26.00496	27.49817
0.23	0.	9.23435	13.48097	16.61604	19.18761	21.39745	23.34748	25.09822	26.68933	28.14864
0.24	4.24884	10.82545	14.64035	17.58547	20.04403	22.17656	24.06923	25.77506	27.32964	28.75841
0.25	6.93707	12.16683	15.67811	18.47189	20.83558	22.90131	24.74346	26.40922	27.93091	29.33196
0.26	8.78914	13.33649	16.61922	19.28878	21.57136	23.57859	25.37580	27.00550	28.49735	29.87309
0.27	10.27051	14.37847	17.48119	20.04641	22.25861	24.21403	25.97090	27.56793	29.03252	30.38503
0.28	11.52712	15.32065	18.27686	20.75285	22.90319	24.81230	26.53269	28.09991	29.53948	30.87054
0.29	12.62802	16.18201	19.01601	21.41453	23.50995	25.37734	27.06451	28.60438	30.02086	31.33204
0.30	13.61261	16.97625	19.70628	22.03673	24.08294	25.91245	27.56921	29.08386	30.47894	31.77163
0.31	14.50591	17.71360	20.35379	22.62379	24.62556	26.42050	28.04925	29.54056	30.91573	32.19114
0.32	15.32508	18.40200	20.96353	23.17937	25.14075	26.90394	28.50680	29.97639	31.33296	32.59219
0.33	16.08250	19.04770	21.53963	23.70657	25.63102	27.36492	28.94372	30.39305	31.73221	32.97622

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.34	16.78746	19.65580	22.08555	24.20805	26.09854	27.80530	29.36169	30.79204	32.11483	33.34451
0.35	17.44716	20.23048	22.60422	24.68609	26.54523	28.22674	29.76216	31.17469	32.48206	33.69820
0.36	18.06731	20.77521	23.09818	25.14270	26.97275	28.63069	30.14644	31.54219	32.83500	34.03831
0.37	18.65255	21.29294	23.56959	25.57962	27.38259	29.01845	30.51570	31.89561	33.17463	34.36578
0.38	19.20669	21.78619	24.02035	25.99840	27.77607	29.39119	30.87098	32.23591	33.50184	34.68143
0.39	19.73291	22.25713	24.45211	26.40040	28.15436	29.74995	31.21324	32.56395	33.81745	34.98602
0.40	20.23392	22.70764	24.86636	26.78684	28.51852	30.09566	31.54332	32.88052	34.12218	35.28024
0.41	20.71202	23.13937	25.26438	27.15881	28.86949	30.42918	31.86199	33.18634	34.41670	35.56472
0.42	21.16920	23.55378	25.64735	27.51730	29.20814	30.75127	32.16996	33.48205	34.70162	35.84003
0.43	21.60720	23.95214	26.01629	27.86318	29.53523	31.06264	32.46787	33.76824	34.97749	36.10670
0.44	22.02752	24.33560	26.37214	28.19725	29.85149	31.36392	32.75630	34.04548	35.24483	36.36520
0.45	22.43152	24.70520	26.71575	28.52025	30.15755	31.65570	33.03580	34.31425	35.50411	36.61599
0.46	22.82037	25.06185	27.04789	28.83283	30.45400	31.93851	33.30686	34.57502	35.75575	36.85947
0.47	23.19514	25.40639	27.36924	29.13560	30.74139	32.21286	33.56993	34.82821	36.00017	37.09603
0.48	23.55678	25.73956	27.68045	29.42912	31.02021	32.47918	33.82544	35.07421	36.23773	37.32601
0.49	23.90614	26.06207	27.98210	29.71389	31.29092	32.73791	34.07377	35.31340	36.46878	37.54975
0.50	24.24400	26.37452	28.27471	29.99038	31.55395	32.98942	34.31528	35.54610	36.69363	37.76754
0.51	24.57106	26.67749	28.55878	30.25904	31.80967	33.23409	34.55031	35.77263	36.91258	37.97966
0.52	24.88795	26.97151	28.83476	30.52025	32.05848	33.47224	34.77917	35.99328	37.12591	38.18639
0.53	25.19526	27.25706	29.10306	30.77439	32.30068	33.70418	35.00215	36.20833	37.33387	38.38796
0.54	25.49351	27.53458	29.36407	31.02180	32.53660	33.93021	35.21952	36.41803	37.53671	38.58460
0.55	25.78321	27.80449	29.61815	31.26281	32.76654	34.15059	35.43153	36.62262	37.73465	38.77654
0.56	26.06480	28.06716	29.86564	31.49771	32.99076	34.36557	35.63842	36.82232	37.92790	38.96396
0.57	26.33870	28.32295	30.10683	31.72678	33.20952	34.57541	35.84041	37.01734	38.11667	39.14707
0.58	26.60529	28.57218	30.34202	31.95028	33.42305	34.78030	36.03771	37.20788	38.30114	39.32604
0.59	26.86494	28.81515	30.57148	32.16845	33.63159	34.98047	36.23051	37.39412	38.48148	39.50104
0.60	27.11796	29.05216	30.79547	32.38153	33.83535	35.17611	36.41900	37.57624	38.65786	39.67222
0.61	27.36467	29.28347	31.01421	32.58973	34.03451	35.36741	36.60335	37.75439	38.83043	39.83974
0.62	27.60536	29.50933	31.22792	32.79324	34.22926	35.55452	36.78372	37.92874	38.99935	40.00373
0.63	27.84029	29.72996	31.43683	32.99226	34.41979	35.73763	36.96027	38.09942	39.16475	40.16433

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.04	0.	0.	0.	0.	0.	0.	0.	0.	4.39746	8.60869
0.05	0.	0.	0.	0.	0.	3.38610	8.39793	11.35519	13.66169	15.60689
0.06	0.	0.	0.	4.78680	9.24807	12.14046	14.43703	16.38836	18.10524	19.64842
0.07	0.	2.55374	8.52091	11.74227	14.22151	16.29864	18.11109	19.73103	21.20209	22.55312
0.08	6.06489	10.27051	13.16220	15.49094	17.48119	19.23706	20.81718	22.25861	23.58664	24.81950
0.09	11.16453	13.95724	16.24245	18.21032	19.95381	21.52685	22.96417	24.28981	25.52130	26.67190
0.10	14.31090	16.61571	18.60241	20.36314	21.95173	23.40299	24.74109	25.98369	27.14420	28.23313
0.11	16.68561	18.72345	20.52497	22.14727	23.62703	24.98961	26.25349	27.43265	28.53802	29.57837
0.12	18.61185	20.47571	22.14815	23.66950	25.06732	26.36151	27.56706	28.69560	29.75644	30.75716
0.13	20.23686	21.97590	23.55171	24.99518	26.32835	27.56762	28.72566	29.81253	30.83636	31.80389
0.14	21.64290	23.28675	24.78665	26.16760	27.44798	28.64182	29.76016	30.81188	31.80428	32.74344
0.15	22.88155	24.44964	25.88780	27.21705	28.45323	29.60863	30.69309	31.71461	32.67984	33.59435
0.16	23.98763	25.49352	26.88014	28.16567	29.36407	30.48636	31.54143	32.53660	33.47801	34.37084
0.17	24.98593	26.43951	27.78221	29.03011	30.19572	31.28905	32.31829	33.29019	34.21048	35.08400
0.18	25.89481	27.30357	28.60823	29.82324	30.96000	32.02773	33.03400	33.98514	34.88650	35.74269
0.19	26.72826	28.09802	29.36929	30.55522	31.66633	32.71117	33.69684	34.62928	35.51356	36.35404
0.20	27.49722	28.83263	30.07425	31.23422	32.32230	33.34652	34.31354	35.22902	36.09777	36.92394
0.21	28.21044	29.51525	30.73030	31.86688	32.93414	33.93962	34.88968	35.78966	36.64418	37.45723
0.22	28.87498	30.15230	31.34335	32.45870	33.50698	34.49536	35.42985	36.31561	37.15705	37.95799
0.23	29.49666	30.74910	31.91832	33.01428	34.04517	35.01781	35.93798	36.81061	37.63994	38.42968
0.24	30.08033	31.31009	32.45932	33.53747	34.55234	35.51046	36.41737	37.27782	38.09591	38.87523
0.25	30.63007	31.83903	32.96987	34.03158	35.03162	35.97627	36.87086	37.71997	38.52758	39.29716
0.26	31.14934	32.33914	33.45297	34.49944	35.48570	36.41780	37.30088	38.13940	38.93721	39.69768
0.27	31.64111	32.81317	33.91121	34.94348	35.91689	36.83725	37.70958	38.53817	39.32677	40.07867
0.28	32.10794	33.26351	34.34683	35.36584	36.32721	37.23658	38.09879	38.91804	39.69798	40.44182
0.29	32.55207	33.69224	34.76179	35.76837	36.71844	37.61747	38.47016	39.28061	40.05237	40.78859
0.30	32.97542	34.10119	35.15782	36.15272	37.09214	37.98141	38.82512	39.62725	40.39128	41.12027
0.31	33.37973	34.49196	35.53643	36.52032	37.44969	38.32975	39.16495	39.95919	40.71589	41.43803
0.32	33.76650	34.86599	35.89899	36.87246	37.79233	38.66364	39.49078	40.27754	41.02727	41.74290
0.33	34.13707	35.22454	36.24668	37.21030	38.12115	38.98417	39.80363	40.58328	41.32637	42.03580

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.34	34.49265	35.56873	36.58059	37.53485	38.43713	39.29226	40.10442	40.87728	41.61405	42.31756
0.35	34.83431	35.89959	36.90169	37.84704	38.74116	39.58877	40.39397	41.16036	41.89108	42.58893
0.36	35.16301	36.21804	37.21083	38.14771	39.03404	39.87447	40.67302	41.43321	42.15816	42.85059
0.37	35.47963	36.52488	37.50882	38.43760	39.31650	40.15006	40.94225	41.69651	42.41592	43.10316
0.38	35.78495	36.82088	37.79636	38.71740	39.58919	40.41618	41.20226	41.95084	42.66493	43.34719
0.39	36.07968	37.10672	38.07410	38.98774	39.85271	40.67339	41.45362	42.19675	42.90574	43.58321
0.40	36.36448	37.38301	38.34264	39.24918	40.10761	40.92224	41.69685	42.43473	43.13881	43.81167
0.41	36.63995	37.65032	38.60251	39.50224	40.35438	41.16320	41.93240	42.66524	43.36459	44.03301
0.42	36.90662	37.90917	38.85422	39.74740	40.59350	41.39672	42.16071	42.88869	43.58348	44.24763
0.43	37.16500	38.16003	39.09823	39.98510	40.82538	41.62321	42.38218	43.10546	43.79587	44.45588
0.44	37.41555	38.40334	39.33494	40.21574	41.05042	41.84305	42.59717	43.31593	44.00208	44.65811
0.45	37.65868	38.63952	39.56475	40.43969	41.26897	42.05657	42.80602	43.52040	44.20245	44.85462
0.46	37.89479	38.86892	39.78801	40.65731	41.48136	42.26411	43.00904	43.71919	44.39727	45.04571
0.47	38.12424	39.09191	40.00507	40.86891	41.68791	42.46597	43.20652	43.91258	44.58682	45.23163
0.48	38.34737	39.30879	40.21622	41.07479	41.88890	42.66242	43.39874	44.10083	44.77134	45.41265
0.49	38.56448	39.51986	40.42176	41.27522	42.08461	42.85373	43.58593	44.28418	44.95109	45.58899
0.50	38.77587	39.72541	40.62195	41.47046	42.27526	43.04012	43.76835	44.46286	45.12627	45.76087
0.51	38.98180	39.92569	40.81704	41.66076	42.46112	43.22184	43.94620	44.63709	45.29709	45.92849
0.52	39.18253	40.12094	41.00726	41.84633	42.64237	43.39908	44.11969	44.80707	45.46376	46.09204
0.53	39.37829	40.31140	41.19283	42.02738	42.81924	43.57205	44.28901	44.97297	45.62645	46.25170
0.54	39.56931	40.49726	41.37395	42.20412	42.99191	43.74093	44.45435	45.13498	45.78533	46.40763
0.55	39.75578	40.67873	41.55081	42.37673	43.16056	43.90589	44.61586	45.29326	45.94056	46.55999
0.56	39.93790	40.85599	41.72360	42.54537	43.32536	44.06710	44.77371	45.44796	46.09230	46.70893
0.57	40.11586	41.02922	41.89247	42.71022	43.48646	44.22471	44.92805	45.59923	46.24068	46.85458
0.58	40.28981	41.19858	42.05760	42.87142	43.64402	44.37886	45.07901	45.74720	46.38583	46.99708
0.59	40.45993	41.36423	42.21912	43.02912	43.79817	44.52969	45.22674	45.89200	46.52789	47.13654
0.60	40.62637	41.52631	42.37719	43.18347	43.94904	44.67733	45.37135	46.03376	46.66697	47.27309
0.61	40.78927	41.68496	42.53192	43.33457	44.09677	44.82190	45.51296	46.17260	46.80318	47.40683
0.62	40.94876	41.84032	42.68346	43.48256	44.24146	44.96351	45.65168	46.30861	46.93663	47.53787
0.63	41.10497	41.99249	42.83191	43.62756	44.38323	45.10228	45.78763	46.44190	47.06743	47.66630



L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	1.40737	9.43061	13.20777
0.03	0.	0.	4.24885	8.23709	10.82545	12.88534	14.64035	17.58547	20.04403	22.17656
0.04	11.32792	13.48774	15.32508	16.94416	18.40200	19.73388	20.96353	23.17937	25.14076	26.90395
0.05	17.31184	18.84106	20.23392	21.51661	22.70765	23.82072	24.86636	26.78684	28.51852	30.09566
0.06	21.05567	22.35240	23.55678	24.68235	25.73957	26.73670	27.68046	29.42912	31.02021	32.47918
0.07	23.80448	24.97121	26.06480	27.09435	28.06716	28.98925	29.86564	31.49771	32.99076	34.36558
0.08	25.97090	27.05148	28.06972	29.03252	29.94560	30.81376	31.64111	33.18696	34.60625	35.91689
0.09	27.75199	28.76989	29.73238	30.64513	31.51290	32.33975	33.12919	34.60768	35.96863	37.22805
0.10	29.25889	30.22839	31.14737	32.02066	32.85242	33.64619	34.40511	35.82891	37.14212	38.35929
0.11	30.56085	31.49143	32.37511	33.21619	34.01836	34.78482	35.51840	36.89656	38.16963	39.35111
0.12	31.70403	32.60235	33.45661	34.27068	35.04792	35.79128	36.50335	37.84258	39.08124	40.23198
0.13	32.72075	33.59172	34.42090	35.21186	35.96770	36.69116	37.38464	38.69010	39.89878	41.02265
0.14	33.63450	34.48187	35.28933	36.06019	36.79737	37.50341	38.18060	39.45636	40.63858	41.73867
0.15	34.46292	35.28961	36.07798	36.83115	37.55183	38.24246	38.90520	40.15454	41.31316	42.39197
0.16	35.21952	36.02790	36.79931	37.53671	38.24267	38.91952	39.56931	40.79493	41.93230	42.99191
0.17	35.91494	36.70692	37.46312	38.18634	38.87905	39.54346	40.18155	41.38570	42.50379	43.54595
0.18	36.55764	37.33483	38.07727	38.78764	39.46832	40.12143	40.74887	41.93345	43.03392	44.06012
0.19	37.15450	37.91823	38.64813	39.34679	40.01648	40.65925	41.27694	42.44357	43.52786	44.53937
0.20	37.71115	38.46256	39.18099	39.86889	40.52848	41.16174	41.77045	42.92053	43.98988	44.98780
0.21	38.23227	38.97236	39.68020	40.35818	41.00844	41.63291	42.23332	43.36806	44.42355	45.40886
0.22	38.72180	39.45142	40.14946	40.81824	41.45986	42.07616	42.66885	43.78932	44.83190	45.80544
0.23	39.18307	39.90296	40.59189	41.25212	41.88567	42.49437	43.07985	44.18700	45.21750	46.18003
0.24	39.61891	40.32973	41.01016	41.66240	42.28842	42.89000	43.46874	44.56341	45.58258	46.53477
0.25	40.03178	40.73412	41.40659	42.05133	42.67029	43.26518	43.83759	44.92052	45.92904	46.87150
0.26	40.42378	41.11816	41.78315	42.42086	43.03317	43.62177	44.18822	45.26009	46.25855	47.19181
0.27	40.79678	41.48366	42.14161	42.77268	43.37872	43.96138	44.52220	45.58361	46.57257	47.49713
0.28	41.15238	41.83219	42.48349	43.10828	43.70839	44.28544	44.84092	45.89244	46.87238	47.78869
0.29	41.49202	42.16513	42.81013	43.42898	44.02347	44.59519	45.14561	46.18773	47.15911	48.06757
0.30	41.81695	42.48371	43.12274	43.73595	44.32509	44.89175	45.43737	46.47054	47.43377	48.33476
0.31	42.12829	42.78903	43.42237	44.03021	44.61428	45.17612	45.71715	46.74181	47.69727	48.59112
0.32	42.42705	43.08205	43.70998	44.31271	44.89193	45.44917	45.98583	47.00236	47.95039	48.83743
0.33	42.71413	43.36365	43.98642	44.58426	45.15886	45.71171	46.24420	47.25294	48.19387	49.07439

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.34	42.99033	43.63463	44.25245	44.84563	45.41580	45.96445	46.49294	47.49424	48.42836	49.30263
0.35	43.25639	43.89568	44.50878	45.09749	45.66342	46.20805	46.73270	47.72686	48.65445	49.52272
0.36	43.51296	44.14746	44.75603	45.34045	45.90232	46.44308	46.96405	47.95135	48.87267	49.73517
0.37	43.76065	44.39054	44.99477	45.57508	46.13304	46.67009	47.18753	48.16823	49.08352	49.94047
0.38	44.00000	44.62547	45.22552	45.80187	46.35608	46.88956	47.40359	48.37795	49.28743	50.13903
0.39	44.23151	44.85273	45.44876	46.02130	46.57189	47.10193	47.61269	48.58093	49.48481	50.33125
0.40	44.45563	45.07276	45.66492	46.23379	46.78090	47.30762	47.81522	48.77756	49.67603	50.51750
0.41	44.67279	45.28598	45.87440	46.43974	46.98348	47.50700	48.01155	48.96820	49.86145	50.69810
0.42	44.88338	45.49275	46.07758	46.63949	47.17999	47.70042	48.20202	49.15316	50.04136	50.87337
0.43	45.08774	45.69344	46.27478	46.83339	47.37075	47.88819	48.38695	49.33276	50.21608	51.04358
0.44	45.28620	45.88835	46.46632	47.02174	47.55606	48.07061	48.56661	49.50727	50.38585	51.20900
0.45	45.47908	46.07778	46.65250	47.20483	47.73621	48.24796	48.74128	49.67694	50.55094	51.36986
0.46	45.66654	46.26201	46.83358	47.38291	47.91144	48.42048	48.91121	49.84203	50.71158	51.52639
0.47	45.84915	46.44130	47.00981	47.55623	48.08200	48.58841	49.07663	50.00274	50.86798	51.67881
0.48	46.02686	46.61588	47.18142	47.72503	48.24812	48.75196	49.23774	50.15930	51.02034	51.82730
0.49	46.20000	46.78598	47.34863	47.88950	48.40999	48.91135	49.39476	50.31188	51.16885	51.97205
0.50	46.36876	46.95179	47.51165	48.04986	48.56781	49.06677	49.54787	50.46068	51.31369	52.11322
0.51	46.53335	47.11351	47.67065	48.20628	48.72177	49.21838	49.69725	50.60586	51.45501	52.25098
0.52	46.69396	47.27133	47.82583	48.35894	48.87204	49.36636	49.84305	50.74758	51.59297	52.38548
0.53	46.85075	47.42541	47.97733	48.50800	49.01877	49.51087	49.98543	50.88598	51.72772	52.51685
0.54	47.00389	47.57592	48.12533	48.65361	49.16211	49.65205	50.12454	51.02122	51.85939	52.64522
0.55	47.15354	47.72299	48.26996	48.79592	49.30221	49.79003	50.26051	51.15340	51.98810	52.77071
0.56	47.29983	47.86677	48.41137	48.93506	49.43919	49.92496	50.39347	51.28268	52.11398	52.89346
0.57	47.44290	48.00740	48.54967	49.07116	49.57319	50.05695	50.52353	51.40914	52.23713	53.01355
0.58	47.58288	48.14500	48.68500	49.20434	49.70431	50.18611	50.65082	51.53292	52.35767	53.13110
0.59	47.71989	48.27968	48.81747	49.33470	49.83267	50.31255	50.77544	51.65410	52.47570	53.24620
0.60	47.85404	48.41156	48.94719	49.46237	49.95838	50.43639	50.89748	51.77280	52.59130	53.35894
0.61	47.98544	48.54074	49.07426	49.58743	50.08152	50.55771	51.01706	51.88909	52.70457	53.46942
0.62	48.11419	48.66732	49.19878	49.70999	50.20221	50.67660	51.13424	52.00307	52.81560	53.57771
0.63	48.24039	48.79139	49.32084	49.83013	50.32052	50.79316	51.24913	52.11482	52.92445	53.68389

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	6.06490	10.27051	13.16220	15.49094	17.48119	19.23706
0.02	16.07207	18.45006	20.50959	22.33792	23.98763	25.49352	26.88014	28.16567	29.36407	30.48636
0.03	24.06923	25.77506	27.32964	28.75841	30.08033	31.31009	32.45932	33.53747	34.55234	35.51046
0.04	28.50680	29.97639	31.33297	32.59219	33.76650	34.86599	35.89899	36.87247	37.79233	38.66365
0.05	31.54332	32.88052	34.12218	35.28025	36.36448	37.38301	38.34264	39.24918	40.10761	40.92224
0.06	33.82544	35.07421	36.23773	37.32602	38.34737	39.30879	40.21622	41.07479	41.88890	42.66242
0.07	35.63842	36.82232	37.92790	38.96397	39.93790	40.85599	41.72360	42.54537	43.32536	44.06710
0.08	37.13314	38.26659	39.32677	40.32166	41.25803	42.14161	42.97739	43.76966	44.52220	45.23830
0.09	38.39878	39.49139	40.51462	41.47586	42.38139	43.23656	44.04605	44.81389	45.54364	46.23842
0.10	39.49227	40.55084	41.54316	42.47614	43.35569	44.18688	44.97411	45.72123	46.43162	47.10825
0.11	40.45204	41.48161	42.44751	43.35628	44.21351	45.02404	45.79208	46.52130	47.21493	47.87584
0.12	41.30523	42.30965	43.25258	44.14025	44.97800	45.77047	46.52170	47.23522	47.91414	48.56123
0.13	42.07161	43.05394	43.97663	44.84567	45.66620	46.44268	47.17900	47.87858	48.54443	49.17922
0.14	42.76608	43.72875	44.63341	45.48583	46.29097	47.05313	47.77610	48.46318	49.11730	49.74105
0.15	43.40006	44.34508	45.23353	46.07098	46.86223	47.61149	48.32239	48.99816	49.64166	50.25540
0.16	43.98254	44.91158	45.78533	46.60919	47.38783	48.12533	48.82525	49.49073	50.12454	50.72916
0.17	44.52069	45.43515	46.29548	47.10692	47.87402	48.60077	49.29062	49.94666	50.57159	51.16783
0.18	45.02029	45.92139	46.76939	47.56941	48.32590	49.04274	49.72332	50.37065	50.98739	51.57590
0.19	45.48612	46.37489	47.21151	48.00098	48.74766	49.45533	50.12733	50.76659	51.37573	51.95707
0.20	45.92212	46.79947	47.62554	48.40522	49.14277	49.84192	50.50594	51.13770	51.73977	52.31443
0.21	46.33162	47.19834	48.01457	48.78513	49.51418	50.20538	50.86194	51.48669	52.08215	52.65057
0.22	46.71742	47.57421	48.38125	49.14326	49.86436	50.54811	51.19768	51.81587	52.40514	52.96770
0.23	47.08192	47.92939	48.72781	49.48181	50.19543	50.87219	51.51520	52.12720	52.71064	53.26770
0.24	47.42716	48.26588	49.05619	49.80265	50.50922	51.17939	51.81621	52.42239	53.00033	53.55219
0.25	47.75494	48.58540	49.36806	50.10740	50.80732	51.47126	52.10223	52.70291	53.27565	53.82259
0.26	48.06681	48.88947	49.66488	50.39748	51.09111	51.74915	52.37458	52.97004	53.53785	54.08012
0.27	48.36412	49.17938	49.94794	50.67414	51.36180	52.01425	52.63441	53.22491	53.78804	54.32588
0.28	48.64808	49.45632	50.21835	50.93848	51.62046	52.26758	52.88274	53.46851	54.02719	54.56081
0.29	48.91974	49.72129	50.47712	51.19146	51.86803	52.51007	53.12046	53.70174	54.25616	54.78576
0.30	49.18004	49.97522	50.72513	51.43395	52.10536	52.74256	53.34839	53.92536	54.47573	55.00148
0.31	49.42983	50.21893	50.96318	51.66672	52.33319	52.96576	53.56723	54.14009	54.68657	55.20864
0.32	49.66986	50.45313	51.19197	51.89047	52.55221	53.18034	53.77763	54.34656	54.88931	55.40785
0.33	49.90080	50.67850	51.41215	52.10580	52.76301	53.38688	53.98017	54.54532	55.08450	55.59965

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.34	50.12327	50.89561	51.62429	52.31330	52.96615	53.58594	54.17538	54.73690	55.27264	55.78453
0.35	50.33781	51.10502	51.82891	52.51345	53.16213	53.77798	54.36372	54.92175	55.45418	55.96294
0.36	50.54494	51.30720	52.02649	52.70674	53.35138	53.96346	54.54564	55.10029	55.62954	56.13529
0.37	50.74510	51.50261	52.21747	52.89357	53.53434	54.14276	54.72151	55.27292	55.79910	56.30193
0.38	50.93872	51.69164	52.40223	53.07434	53.71136	54.31627	54.89170	55.43998	55.96320	56.46322
0.39	51.12618	51.87467	52.58113	53.24939	53.88280	54.48431	55.05653	55.60179	56.12215	56.61945
0.40	51.30782	52.05204	52.75452	53.41905	54.04896	54.64719	55.21632	55.75865	56.27624	56.77091
0.41	51.48398	52.22407	52.92269	53.58362	54.21015	54.80520	55.37133	55.91083	56.42574	56.91787
0.42	51.65494	52.39103	53.08592	53.74336	54.36662	54.95859	55.52182	56.05858	56.57089	57.06056
0.43	51.82098	52.55320	53.24448	53.89854	54.51863	55.10762	55.66804	56.20214	56.71193	57.19921
0.44	51.98236	52.71082	53.39860	54.04938	54.66640	55.25250	55.81018	56.34170	56.84905	57.33401
0.45	52.13931	52.86412	53.54851	54.19611	54.81015	55.39343	55.94847	56.47749	56.98246	57.46517
0.46	52.29204	53.01333	53.69441	54.33893	54.95007	55.53062	56.08309	56.60967	57.11234	57.59287
0.47	52.44077	53.15862	53.83650	54.47802	55.08634	55.66425	56.21421	56.73843	57.23886	57.71725
0.48	52.58567	53.30019	53.97495	54.61355	55.21914	55.79447	56.34200	56.86392	57.36216	57.83849
0.49	52.72693	53.43820	54.10994	54.74570	55.34862	55.92144	56.46661	56.98629	57.48241	57.95672
0.50	52.86471	53.57283	54.24161	54.87462	55.47494	56.04532	56.58818	57.10567	57.59973	58.07208
0.51	52.99917	53.70421	54.37012	55.00044	55.59823	56.16623	56.70684	57.22221	57.71426	58.18469
0.52	53.13045	53.83249	54.49561	55.12330	55.71863	56.28431	56.82273	57.33603	57.82611	58.29468
0.53	53.25868	53.95780	54.61819	55.24332	55.83625	56.39967	56.93596	57.44723	57.93540	58.40214
0.54	53.38399	54.08026	54.73799	55.36063	55.95122	56.51243	57.04663	57.55593	58.04223	58.50720
0.55	53.50650	54.20000	54.85513	55.47534	56.06364	56.62269	57.15486	57.66224	58.14670	58.60994
0.56	53.62633	54.31711	54.96971	55.58754	56.17361	56.73056	57.26074	57.76623	58.24891	58.71045
0.57	53.74358	54.43172	55.08184	55.69735	56.28123	56.83612	57.36436	57.86801	58.34895	58.80883
0.58	53.85835	54.54390	55.19160	55.80484	56.38659	56.93947	57.46581	57.96767	58.44690	58.90516
0.59	53.97074	54.65375	55.29909	55.91011	56.48977	57.04069	57.56517	58.06527	58.54283	58.99951
0.60	54.08083	54.76137	55.40439	56.01324	56.59087	57.13986	57.66252	58.16090	58.63683	59.09196
0.61	54.18871	54.86683	55.50759	56.11431	56.68994	57.23705	57.75793	58.25463	58.72896	59.18257
0.62	54.29446	54.97021	55.60875	56.21340	56.78707	57.33234	57.85148	58.34653	58.81930	59.27142
0.63	54.39815	55.07158	55.70796	56.31057	56.88233	57.42579	57.94323	58.43666	58.90790	59.35856

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	20.81718	22.25861	23.58664	24.81951	25.97090	27.05148	28.06972	29.03252	29.94560	30.81377
0.02	31.54143	32.53660	33.47801	34.37084	35.21952	36.02790	36.79931	37.53671	38.24267	38.91952
0.03	36.41737	37.27782	38.09591	38.87523	39.61891	40.32973	41.01016	41.66240	42.28842	42.89000
0.04	39.49078	40.27754	41.02727	41.74290	42.42705	43.08205	43.70998	44.31271	44.89193	45.44917
0.05	41.69685	42.43473	43.13881	43.81167	44.45563	45.07276	45.66492	46.23379	46.78090	47.30762
0.06	43.39874	44.10083	44.77134	45.41265	46.02687	46.61588	47.18142	47.72503	48.24812	48.75196
0.07	44.77371	45.44796	46.09230	46.70893	47.29983	47.86677	48.41137	48.93507	49.43919	49.92496
0.08	45.92089	46.57257	47.19566	47.79222	48.36412	48.91305	49.44053	49.94794	50.43653	50.90747
0.09	46.90100	47.53385	48.13916	48.71892	49.27491	49.80872	50.32182	50.81552	51.29105	51.74949
0.10	47.75378	48.37055	48.96068	49.52607	50.06841	50.58927	51.09003	51.57198	52.03627	52.48397
0.11	48.50657	49.10938	49.68631	50.23918	50.76966	51.27921	51.76922	52.24090	52.69538	53.13369
0.12	49.17893	49.76945	50.33474	50.87658	51.39657	51.89615	52.37664	52.83924	53.28504	53.71504
0.13	49.78533	50.36489	50.91981	51.45181	51.96244	52.45310	52.92509	53.37957	53.81760	54.24016
0.14	50.33674	50.90644	51.45202	51.97515	52.47734	52.95998	53.42430	53.87145	54.30247	54.71831
0.15	50.84165	51.40242	51.93952	52.45460	52.94913	53.42446	53.88181	54.32229	54.74694	55.15667
0.16	51.30678	51.85939	52.38875	52.89646	53.38399	53.85264	54.30361	54.73799	55.15679	55.56092
0.17	51.73753	52.28264	52.80488	53.30583	53.78691	54.24941	54.69450	55.12327	55.53669	55.93565
0.18	52.13829	52.67647	53.19213	53.68682	54.16194	54.61875	55.05842	55.48198	55.89041	56.28460
0.19	52.51268	53.04443	53.55398	54.04286	54.51245	54.96397	55.39858	55.81731	56.22111	56.61085
0.20	52.86372	53.38947	53.89334	54.37680	54.84121	55.28781	55.71770	56.13191	56.53139	56.91698
0.21	53.19395	53.71410	54.21263	54.69102	55.15060	55.59258	56.01805	56.42804	56.82345	57.20515
0.22	53.50553	54.02042	54.51395	54.98757	55.44261	55.88024	56.30157	56.70758	57.09918	57.47722
0.23	53.80031	54.31024	54.79906	55.26820	55.71895	56.15250	56.56991	56.97217	57.36018	57.73477
0.24	54.07988	54.58513	55.06950	55.53440	55.98111	56.41079	56.82450	57.22322	57.60783	57.97916
0.25	54.34561	54.84644	55.32660	55.78748	56.23036	56.65638	57.06659	57.46196	57.84335	58.21158
0.26	54.59873	55.09535	55.57151	56.02859	56.46783	56.89038	57.29726	57.68944	58.06777	58.43306
0.27	54.84028	55.33291	55.80527	56.25873	56.69451	57.11375	57.51747	57.90661	58.28203	58.64453
0.28	55.07121	55.56004	56.02878	56.47878	56.91127	57.32735	57.72805	58.11430	58.48695	58.84677
0.29	55.29234	55.77753	56.24282	56.68953	57.11887	57.53194	57.92976	58.31325	58.68324	59.04052
0.30	55.50441	55.98613	56.44811	56.89167	57.31800	57.72819	58.12326	58.50410	58.87155	59.22639
0.31	55.70807	56.18648	56.64529	57.08583	57.50928	57.91672	58.30914	58.68744	59.05247	59.40497
0.32	55.90393	56.37915	56.83493	57.27257	57.69325	58.09805	58.48794	58.86381	59.22650	59.57676
0.33	56.09252	56.56468	57.01754	57.45241	57.87043	58.27268	58.66013	59.03367	59.39412	59.74222

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.34	56.27431	56.74353	57.19359	57.62578	58.04125	58.44106	58.82616	59.19746	59.55574	59.90177
0.35	56.44975	56.91613	57.36350	57.79311	58.20612	58.60358	58.98643	59.35556	59.71176	60.05579
0.36	56.61922	57.08288	57.52765	57.95478	58.36542	58.76060	59.14128	59.50832	59.86252	60.20462
0.37	56.78310	57.24413	57.68639	58.11113	58.51948	58.91247	59.29104	59.65607	60.00834	60.34858
0.38	56.94172	57.40020	57.84004	58.26247	58.66860	59.05948	59.43603	59.79911	60.14950	60.48794
0.39	57.09537	57.55140	57.98889	58.40908	58.81308	59.20191	59.57650	59.93769	60.28628	60.62298
0.40	57.24434	57.69799	58.13322	58.55124	58.95317	59.34002	59.71271	60.07208	60.41892	60.75394
0.41	57.38888	57.84023	58.27326	58.68919	59.08912	59.47405	59.84489	60.20250	60.54764	60.88103
0.42	57.52922	57.97834	58.40925	58.82315	59.22113	59.60420	59.97327	60.32916	60.67266	61.00446
0.43	57.66560	58.11256	58.54140	58.95333	59.34943	59.73069	60.09802	60.45226	60.79416	61.12443
0.44	57.79820	58.24306	58.66990	59.07992	59.47419	59.85370	60.21935	60.57197	60.91232	61.24110
0.45	57.92722	58.37004	58.79494	59.20309	59.59559	59.97340	60.33742	60.68847	61.02731	61.35464
0.46	58.05283	58.49367	58.91668	59.32303	59.71379	60.08994	60.45238	60.80191	61.13929	61.46520
0.47	58.17519	58.61411	59.03527	59.43987	59.82895	60.20350	60.56438	60.91243	61.24838	61.57293
0.48	58.29446	58.73150	59.15088	59.55376	59.94121	60.31418	60.67357	61.02017	61.35474	61.67795
0.49	58.41078	58.84599	59.26362	59.66484	60.05069	60.42214	60.78007	61.12527	61.45848	61.78039
0.50	58.52427	58.95770	59.37364	59.77323	60.15753	60.52750	60.88399	61.22782	61.55971	61.88035
0.51	58.63506	59.06676	59.48104	59.87905	60.26184	60.63035	60.98546	61.32795	61.65856	61.97796
0.52	58.74327	59.17327	59.58594	59.98241	60.36372	60.73082	61.08457	61.42575	61.75511	62.07331
0.53	58.84901	59.27736	59.68845	60.08342	60.46329	60.82900	61.18142	61.52134	61.84947	62.16649
0.54	58.95237	59.37911	59.78867	60.18216	60.56062	60.92499	61.27612	61.61479	61.94173	62.25760
0.55	59.05346	59.47862	59.88668	60.27874	60.65582	61.01887	61.36874	61.70619	62.03196	62.34671
0.56	59.15236	59.57599	59.98257	60.37323	60.74897	61.11074	61.45936	61.79563	62.12026	62.43391
0.57	59.24916	59.67129	60.07644	60.46572	60.84015	61.20066	61.54807	61.88318	62.20670	62.51927
0.58	59.34395	59.76460	60.16835	60.55629	60.92944	61.28871	61.63494	61.96892	62.29134	62.60286
0.59	59.43679	59.85601	60.25838	60.64501	61.01690	61.37496	61.72004	62.05290	62.37426	62.68475
0.60	59.52776	59.94557	60.34660	60.73194	61.10260	61.45948	61.80343	62.13521	62.45551	62.76500
0.61	59.61693	60.03336	60.43307	60.81716	61.18661	61.54234	61.88518	62.21589	62.53517	62.84367
0.62	59.70436	60.11944	60.51786	60.90071	61.26899	61.62359	61.96534	62.29500	62.61328	62.92081
0.63	59.79011	60.20387	60.60103	60.98268	61.34979	61.70328	62.04397	62.37261	62.68991	62.99649

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	31.64111	32.43116	33.18697	33.91121	34.60625	35.27419	35.91689	36.53604	37.13314	37.70958
0.02	39.56931	40.19389	40.79493	41.37395	41.93230	42.47124	42.99191	43.49536	43.98254	44.45435
0.03	43.46874	44.02610	44.56341	45.08186	45.58258	46.06657	46.53477	46.98804	47.42716	47.85288
0.04	45.98584	46.50318	47.00236	47.48444	47.95039	48.40112	48.83743	49.26011	49.66986	50.06733
0.05	47.81522	48.30485	48.77756	49.23433	49.67603	50.10351	50.51750	50.91872	51.30782	51.68541
0.06	49.23774	49.70653	50.15930	50.59696	51.02034	51.43022	51.82730	52.21225	52.58567	52.94814
0.07	50.39347	50.84573	51.28268	51.70516	52.11398	52.50985	52.89346	53.26542	53.62633	53.97673
0.08	51.36180	51.80049	52.22442	52.63441	53.03122	53.41555	53.78804	54.14929	54.49987	54.84028
0.09	52.19187	52.61910	53.03204	53.43148	53.81814	54.19270	54.55578	54.90796	55.24978	55.58173
0.10	52.91606	53.33343	53.73690	54.12724	54.50515	54.87128	55.22624	55.57058	55.90483	56.22948
0.11	53.55678	53.96552	54.36071	54.74308	55.11333	55.47207	55.81991	56.15737	56.48499	56.80321
0.12	54.13016	54.53126	54.91910	55.29441	55.65785	56.01003	56.35154	56.68291	57.00462	57.31714
0.13	54.64815	55.04240	55.42366	55.79263	56.14997	56.49628	56.83212	57.15800	57.47442	57.78182
0.14	55.11986	55.50791	55.88322	56.24647	56.59829	56.93928	57.26998	57.59091	57.90253	58.20530
0.15	55.55234	55.93476	56.30465	56.66268	57.00947	57.34561	57.67163	57.98804	58.29529	58.59382
0.16	55.95122	56.32847	56.69339	57.04663	57.38881	57.72050	58.04223	58.35448	58.65772	58.95237
0.17	56.32100	56.69349	57.05382	57.40265	57.74058	58.06816	58.38592	58.69434	58.99388	59.28494
0.18	56.66536	57.03343	57.38952	57.73426	58.06824	58.39202	58.70610	59.01097	59.30707	59.59480
0.19	56.98734	57.35130	57.70344	58.04437	58.37468	58.69491	59.00557	59.30713	59.60002	59.88466
0.20	57.28947	57.64960	57.99804	58.33541	58.66229	58.97921	59.28667	59.58513	59.87503	60.15676
0.21	57.57391	57.93044	58.27542	58.60945	58.93311	59.24692	59.55137	59.84693	60.13402	60.41303
0.22	57.84246	58.19561	58.53733	58.86822	59.18884	59.49973	59.80136	60.09418	60.37862	60.65507
0.23	58.09669	58.44665	58.78529	59.11322	59.43098	59.73911	60.03807	60.32831	60.61025	60.88428
0.24	58.33794	58.68488	59.02062	59.34574	59.66080	59.96631	60.26274	60.55054	60.83012	61.10186
0.25	58.56739	58.91146	59.24444	59.56691	59.87940	60.18243	60.47647	60.76195	61.03928	61.30885
0.26	58.78605	59.12740	59.45776	59.77770	60.08775	60.38843	60.68019	60.96347	61.23866	61.50616
0.27	58.99482	59.33359	59.66145	59.97898	60.28671	60.58514	60.87473	61.15591	61.42908	61.69460
0.28	59.19450	59.53080	59.85628	60.17151	60.47703	60.77332	61.06084	61.34001	61.61124	61.87488
0.29	59.38579	59.71973	60.04293	60.35597	60.65937	60.95361	61.23915	61.51641	61.78578	62.04763
0.30	59.56932	59.90100	60.22203	60.53296	60.83433	61.12661	61.41026	61.68568	61.95327	62.21340
0.31	59.74565	60.07516	60.39410	60.70302	61.00245	61.29285	61.57467	61.84834	62.11423	62.37270
0.32	59.91528	60.24271	60.55965	60.86664	61.16419	61.45279	61.73287	62.00484	62.26909	62.52599
0.33	60.07867	60.40410	60.71911	61.02424	61.32000	61.60686	61.88526	62.15561	62.41829	62.67366

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.34	60.23622	60.55973	60.87289	61.17623	61.47026	61.75545	62.03223	62.30102	62.56218	62.81608
0.35	60.38832	60.70997	61.02134	61.32296	61.61533	61.89891	62.17413	62.44141	62.70111	62.95359
0.36	60.53529	60.85516	61.16481	61.46476	61.75552	62.03755	62.31127	62.57709	62.83539	63.08650
0.37	60.67746	60.99560	61.30358	61.60193	61.89113	62.17166	62.44393	62.70835	62.96528	63.21508
0.38	60.81509	61.13157	61.43794	61.73473	62.02244	62.30151	62.57238	62.83544	63.09106	63.33957
0.39	60.94846	61.26332	61.56813	61.86342	62.14968	62.42735	62.69686	62.95860	63.21295	63.46023
0.40	61.07779	61.39109	61.69439	61.98823	62.27308	62.54939	62.81759	63.07806	63.33117	63.57725
0.41	61.20331	61.51509	61.81694	62.10937	62.39285	62.66785	62.93477	63.19400	63.44591	63.69084
0.42	61.32522	61.63553	61.93596	62.22702	62.50919	62.78291	63.04859	63.30663	63.55738	63.80118
0.43	61.44371	61.75260	62.05165	62.34138	62.62226	62.89474	63.15922	63.41610	63.66572	63.90843
0.44	61.55894	61.86645	62.16417	62.45261	62.73224	63.00351	63.26683	63.52258	63.77111	64.01275
0.45	61.67109	61.97725	62.27367	62.56086	62.83928	63.10938	63.37156	63.62621	63.87368	64.11429
0.46	61.78029	62.08514	62.38030	62.66627	62.94352	63.21248	63.47356	63.72714	63.97357	64.21318
0.47	61.88670	62.19028	62.48421	62.76899	63.04509	63.31294	63.57295	63.82549	64.07091	64.30954
0.48	61.99043	62.29277	62.58550	62.86913	63.14411	63.41088	63.66985	63.92137	64.16581	64.40349
0.49	62.09162	62.39275	62.68431	62.96681	63.24071	63.50643	63.76437	64.01491	64.25839	64.49515
0.50	62.19036	62.49032	62.78075	63.06215	63.33498	63.59968	63.85663	64.10620	64.34875	64.58460
0.51	62.28678	62.58558	62.87491	63.15524	63.42704	63.69073	63.94671	64.19535	64.43699	64.67196
0.52	62.38096	62.67865	62.96689	63.24618	63.51696	63.77968	64.03471	64.28244	64.52319	64.75729
0.53	62.47301	62.76960	63.05678	63.33505	63.60486	63.86662	64.12073	64.36755	64.60744	64.84070
0.54	62.56301	62.85853	63.14468	63.42195	63.69079	63.95162	64.20483	64.45078	64.68982	64.92227
0.55	62.65104	62.94551	63.23066	63.50696	63.77485	64.03477	64.28710	64.53220	64.77041	65.00205
0.56	62.73718	63.03063	63.31479	63.59014	63.85712	64.11615	64.36761	64.61187	64.84927	65.08013
0.57	62.82150	63.11396	63.39716	63.67157	63.93765	64.19581	64.44643	64.68987	64.92648	65.15657
0.58	62.90408	63.19556	63.47781	63.75132	64.01651	64.27382	64.52362	64.76626	65.00210	65.23143
0.59	62.98498	63.27550	63.55683	63.82944	64.09378	64.35025	64.59924	64.84110	65.07618	65.30477
0.60	63.06426	63.35384	63.63427	63.90601	64.16950	64.42515	64.67335	64.91445	65.14878	65.37666
0.61	63.14198	63.43065	63.71019	63.98107	64.24373	64.49859	64.74601	64.98636	65.21996	65.44713
0.62	63.21819	63.50596	63.78464	64.05468	64.31653	64.57060	64.81727	65.05688	65.28977	65.51625
0.63	63.29295	63.57984	63.85767	64.12689	64.38795	64.64125	64.88717	65.12606	65.35825	65.58405



L	5.80	5.90	6.00	6.10	6.20	6.30				
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.	0.	0.	0.	0.	0.	0.				
0.01	38.26659	38.80531	39.32677	39.83193	40.32167	40.79678				
0.02	44.91159	45.35501	45.78533	46.20319	46.60919	47.00389				
0.03	48.26588	48.66678	49.05619	49.43464	49.80265	50.16069				
0.04	50.45313	50.82784	51.19197	51.54602	51.89047	52.22573				
0.05	52.05204	52.40825	52.75452	53.09131	53.41905	53.73814				
0.06	53.30019	53.64230	53.97495	54.29857	54.61356	54.92029				
0.07	54.31712	54.64796	54.96971	55.28278	55.58754	55.88438				
0.08	55.17103	55.49255	55.80527	56.10960	56.40590	56.69451				
0.09	55.90430	56.21791	56.52297	56.81988	57.10898	57.39062				
0.10	56.54497	56.85173	57.15017	57.44065	57.72353	57.99912				
0.11	57.11250	57.41325	57.70587	57.99070	58.26810	58.53838				
0.12	57.62091	57.91632	58.20376	58.48358	58.75610	59.02165				
0.13	58.08064	58.37125	58.65403	58.92934	59.19748	59.45878				
0.14	58.49962	58.78588	59.06445	59.33566	59.59984	59.85728				
0.15	58.88405	59.16634	59.44106	59.70854	59.96909	60.22302				
0.16	59.23883	59.51748	59.78867	60.05272	60.30994	60.56062				
0.17	59.56793	59.84321	60.11113	60.37201	60.62616	60.87385				
0.18	59.87457	60.14672	60.41161	60.66955	60.92084	61.16576				
0.19	60.16142	60.43066	60.69273	60.94792	61.19655	61.43888				
0.20	60.43072	60.69724	60.95666	61.20929	61.45542	61.69533				
0.21	60.68434	60.94830	61.20524	61.45546	61.69925	61.93689				
0.22	60.92390	61.18545	61.44005	61.68800	61.92959	62.16508				
0.23	61.15076	61.41004	61.66243	61.90824	62.14775	62.38121				
0.24	61.36612	61.62324	61.87355	62.11732	62.35486	62.58641				
0.25	61.57100	61.82608	62.07440	62.31625	62.55191	62.78164				
0.26	61.76631	62.01945	62.26588	62.50590	62.73978	62.96778				
0.27	61.95285	62.20413	62.44876	62.68704	62.91922	63.14556				
0.28	62.13130	62.38082	62.62373	62.86034	63.09090	63.31567				
0.29	62.30231	62.55013	62.79140	63.02641	63.25542	63.47868				
0.30	62.46641	62.71261	62.95231	63.18579	63.41332	63.63513				
0.31	62.62411	62.86876	63.10695	63.33896	63.56506	63.78549				
0.32	62.77585	63.01901	63.25575	63.48636	63.71109	63.93019				
0.33	62.92204	63.16376	63.39911	63.62836	63.85177	64.06959				

L	5.80	5.90	6.00	6.10	6.20	6.30				
B	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA	LAMBDA
0.34	63.06304	63.30338	63.53738	63.76533	63.98748	64.20406				
0.35	63.19918	63.43819	63.67090	63.89758	64.11851	64.33390				
0.36	63.33076	63.56848	63.79994	64.02542	64.24516	64.45940				
0.37	63.45806	63.69453	63.92479	64.14909	64.36769	64.58083				
0.38	63.58132	63.81659	64.04568	64.26884	64.48634	64.69841				
0.39	63.70077	63.93488	64.16284	64.38491	64.60134	64.81236				
0.40	63.81664	64.04962	64.27648	64.49749	64.71288	64.92290				
0.41	63.92910	64.16099	64.38679	64.60676	64.82116	65.03020				
0.42	64.03835	64.26918	64.49395	64.71292	64.92634	65.13443				
0.43	64.14454	64.37434	64.59811	64.81611	65.02858	65.23576				
0.44	64.24783	64.47663	64.69943	64.91649	65.12804	65.33432				
0.45	64.34837	64.57620	64.79805	65.01419	65.22485	65.43026				
0.46	64.44628	64.67316	64.89410	65.10934	65.31913	65.52370				
0.47	64.54169	64.76766	64.98770	65.20207	65.41102	65.61476				
0.48	64.63472	64.85979	65.07896	65.29248	65.50061	65.70355				
0.49	64.72548	64.94967	65.16798	65.38069	65.58801	65.79017				
0.50	64.81405	65.03739	65.25488	65.46678	65.67331	65.87471				
0.51	64.90055	65.12305	65.33974	65.55085	65.75662	65.95727				
0.52	64.98505	65.20675	65.42264	65.63298	65.83801	66.03794				
0.53	65.06765	65.28855	65.50367	65.71326	65.91756	66.11678				
0.54	65.14841	65.36853	65.58290	65.79177	65.99535	66.19388				
0.55	65.22741	65.44678	65.66042	65.86856	66.07145	66.26930				
0.56	65.30473	65.52336	65.73627	65.94372	66.14593	66.34311				
0.57	65.38042	65.59833	65.81054	66.01730	66.21884	66.41538				
0.58	65.45456	65.67175	65.88327	66.08936	66.29025	66.48616				
0.59	65.52719	65.74369	65.95453	66.15997	66.36022	66.55550				
0.60	65.59837	65.81419	66.02437	66.22917	66.42880	66.62347				
0.61	65.66816	65.88331	66.09285	66.29701	66.49603	66.69011				
0.62	65.73660	65.95110	66.16001	66.36355	66.56197	66.75546				
0.63	65.80375	66.01761	66.22589	66.42883	66.62666	66.81958				



Table 3

Roberts' Variable,  $x$ , as a Function of  $B$  and  $L$

$$x(B,L) = \left[ 1 - \frac{B_o}{B} \right]^{1/2} = \left[ 1 - \frac{M}{BL^3} \right]^{1/2}$$

$B$  in Gauss

$X$  no Units

$L$  in Earth-Radii

$M = 0.311653$  (Earth Radii)<sup>3</sup> - Gauss

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B	X	X	X	X	X	X	X	X	X	X
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.04	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.06	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.07	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.08	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.09	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.26477
0.10	0.	0.	0.	0.	0.	0.	0.	0.	0.27674	0.40385
0.11	0.	0.	0.	0.	0.	0.	0.	0.26582	0.40066	0.48906
0.12	0.	0.	0.	0.	0.	0.	0.23137	0.38484	0.48009	0.55007
0.13	0.	0.	0.	0.	0.	0.16007	0.35544	0.46221	0.53822	0.59685
0.14	0.	0.	0.	0.	0.	0.30858	0.43444	0.51943	0.58345	0.63420
0.15	0.	0.	0.	0.	0.23304	0.39439	0.49277	0.56434	0.61999	0.66488
0.16	0.	0.	0.	0.05206	0.33677	0.45642	0.53865	0.60090	0.65028	0.69060
0.17	0.	0.	0.	0.24774	0.40690	0.50487	0.57611	0.63140	0.67588	0.71253
0.18	0.	0.	0.	0.33693	0.46035	0.54432	0.60747	0.65732	0.69785	0.73147
0.19	0.	0.	0.22531	0.40022	0.50339	0.57734	0.63422	0.67968	0.71693	0.74801
0.20	0.	0.	0.31341	0.44963	0.53919	0.60552	0.65736	0.69919	0.73368	0.76259
0.21	0.	0.15558	0.37572	0.49006	0.56965	0.62993	0.67761	0.71638	0.74852	0.77555
0.22	0.	0.26184	0.42451	0.52412	0.59599	0.65133	0.69552	0.73166	0.76175	0.78714
0.23	0.	0.33024	0.46460	0.55338	0.61907	0.67027	0.71147	0.74534	0.77364	0.79758
0.24	0.15613	0.38233	0.49852	0.57891	0.63949	0.68718	0.72579	0.75766	0.78437	0.80703
0.25	0.25180	0.42466	0.52781	0.60144	0.65771	0.70237	0.73871	0.76882	0.79412	0.81562
0.26	0.31532	0.46028	0.55347	0.62152	0.67410	0.71611	0.75045	0.77899	0.80302	0.82348
0.27	0.36439	0.49097	0.57621	0.63954	0.68892	0.72860	0.76115	0.78828	0.81117	0.83068
0.28	0.40466	0.51784	0.59655	0.65584	0.70241	0.74001	0.77095	0.79681	0.81866	0.83732
0.29	0.43885	0.54165	0.61489	0.67065	0.71474	0.75047	0.77997	0.80467	0.82558	0.84345
0.30	0.46851	0.56298	0.63152	0.68419	0.72605	0.76011	0.78830	0.81194	0.83198	0.84914
0.31	0.49465	0.58222	0.64669	0.69661	0.73648	0.76902	0.79601	0.81868	0.83793	0.85442
0.32	0.51796	0.59970	0.66060	0.70806	0.74613	0.77728	0.80317	0.82495	0.84346	0.85934
0.33	0.53894	0.61566	0.67340	0.71866	0.75508	0.78496	0.80983	0.83079	0.84863	0.86394

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B	X	X	X	X	X	X	X	X	X	X
0.34	0.55797	0.63032	0.68523	0.72848	0.76340	0.79211	0.81606	0.83626	0.85347	0.86825
0.35	0.57533	0.64383	0.69620	0.73763	0.77117	0.79880	0.82189	0.84138	0.85800	0.87229
0.36	0.59126	0.65634	0.70641	0.74616	0.77844	0.80507	0.82735	0.84619	0.86226	0.87609
0.37	0.60594	0.66796	0.71593	0.75415	0.78525	0.81096	0.83249	0.85071	0.86627	0.87966
0.38	0.61953	0.67878	0.72483	0.76164	0.79164	0.81649	0.83733	0.85497	0.87005	0.88304
0.39	0.63215	0.68889	0.73318	0.76867	0.79767	0.82171	0.84189	0.85900	0.87363	0.88623
0.40	0.64391	0.69836	0.74102	0.77530	0.80335	0.82664	0.84620	0.86280	0.87701	0.88925
0.41	0.65491	0.70725	0.74841	0.78155	0.80871	0.83130	0.85029	0.86641	0.88021	0.89212
0.42	0.66521	0.71561	0.75537	0.78745	0.81379	0.83571	0.85415	0.86983	0.88325	0.89484
0.43	0.67488	0.72350	0.76195	0.79304	0.81860	0.83989	0.85783	0.87308	0.88614	0.89742
0.44	0.68399	0.73094	0.76818	0.79834	0.82317	0.84387	0.86132	0.87616	0.88889	0.89989
0.45	0.69258	0.73799	0.77409	0.80337	0.82751	0.84765	0.86464	0.87911	0.89151	0.90223
0.46	0.70070	0.74467	0.77970	0.80816	0.83164	0.85125	0.86781	0.88191	0.89401	0.90447
0.47	0.70839	0.75100	0.78503	0.81271	0.83557	0.85469	0.87083	0.88459	0.89640	0.90661
0.48	0.71567	0.75703	0.79010	0.81705	0.83933	0.85797	0.87372	0.88714	0.89868	0.90865
0.49	0.72260	0.76276	0.79494	0.82119	0.84291	0.86110	0.87648	0.88959	0.90086	0.91061
0.50	0.72918	0.76822	0.79956	0.82515	0.84634	0.86410	0.87912	0.89193	0.90295	0.91248
0.51	0.73545	0.77344	0.80397	0.82893	0.84962	0.86697	0.88165	0.89418	0.90495	0.91428
0.52	0.74143	0.77841	0.80819	0.83255	0.85276	0.86972	0.88407	0.89633	0.90687	0.91600
0.53	0.74713	0.78318	0.81222	0.83602	0.85578	0.87235	0.88640	0.89840	0.90872	0.91766
0.54	0.75259	0.78773	0.81609	0.83935	0.85867	0.87489	0.88864	0.90038	0.91049	0.91925
0.55	0.75781	0.79210	0.81981	0.84254	0.86144	0.87732	0.89078	0.90229	0.91220	0.92078
0.56	0.76281	0.79629	0.82337	0.84561	0.86411	0.87966	0.89285	0.90413	0.91384	0.92225
0.57	0.76760	0.80031	0.82679	0.84856	0.86668	0.88191	0.89484	0.90590	0.91542	0.92367
0.58	0.77220	0.80417	0.83009	0.85140	0.86915	0.88408	0.89676	0.90760	0.91695	0.92504
0.59	0.77662	0.80789	0.83326	0.85414	0.87153	0.88618	0.89861	0.90925	0.91842	0.92636
0.60	0.78087	0.81146	0.83631	0.85677	0.87383	0.88819	0.90039	0.91084	0.91984	0.92764
0.61	0.78495	0.81491	0.83925	0.85931	0.87604	0.89014	0.90211	0.91237	0.92121	0.92887
0.62	0.78888	0.81822	0.84208	0.86176	0.87818	0.89202	0.90378	0.91385	0.92253	0.93006
0.63	0.79268	0.82142	0.84482	0.86413	0.88025	0.89383	0.90538	0.91528	0.92381	0.93121

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B	X	X	X	X	X	X	X	X	X	X
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.04	0.	0.	0.	0.	0.	0.	0.	0.	0.16151	0.30923
0.05	0.	0.	0.	0.	0.	0.12477	0.30209	0.39923	0.46997	0.52583
0.06	0.	0.	0.	0.17555	0.33070	0.42384	0.49266	0.54725	0.59222	0.63014
0.07	0.	0.09429	0.30626	0.41143	0.48641	0.54482	0.59237	0.63211	0.66594	0.69514
0.08	0.22116	0.36439	0.45505	0.52260	0.57621	0.62027	0.65729	0.68892	0.71627	0.74014
0.09	0.39318	0.47868	0.54330	0.59488	0.63737	0.67312	0.70366	0.73006	0.75309	0.77334
0.10	0.48901	0.55337	0.60470	0.64691	0.68236	0.71259	0.73867	0.76138	0.78130	0.79890
0.11	0.55525	0.60770	0.65063	0.68655	0.71707	0.74332	0.76612	0.78607	0.80365	0.81923
0.12	0.60493	0.64950	0.68657	0.71792	0.74477	0.76800	0.78826	0.80607	0.82180	0.83579
0.13	0.64398	0.68288	0.71557	0.74343	0.76742	0.78827	0.80653	0.82261	0.83686	0.84955
0.14	0.67566	0.71024	0.73953	0.76461	0.78632	0.80524	0.82186	0.83653	0.84955	0.86117
0.15	0.70196	0.73313	0.75967	0.78251	0.80234	0.81967	0.83492	0.84841	0.86040	0.87111
0.16	0.72419	0.75259	0.77688	0.79784	0.81609	0.83208	0.84618	0.85867	0.86978	0.87972
0.17	0.74326	0.76935	0.79174	0.81113	0.82804	0.84289	0.85599	0.86762	0.87798	0.88725
0.18	0.75980	0.78394	0.80473	0.82276	0.83852	0.85238	0.86462	0.87550	0.88520	0.89388
0.19	0.77430	0.79678	0.81617	0.83303	0.84779	0.86078	0.87227	0.88249	0.89161	0.89978
0.20	0.78712	0.80815	0.82633	0.84217	0.85604	0.86827	0.87910	0.88873	0.89734	0.90505
0.21	0.79855	0.81831	0.83542	0.85035	0.86344	0.87499	0.88523	0.89435	0.90249	0.90980
0.22	0.80879	0.82743	0.84360	0.85772	0.87011	0.88106	0.89077	0.89942	0.90715	0.91409
0.23	0.81804	0.83568	0.85100	0.86439	0.87616	0.88656	0.89579	0.90402	0.91139	0.91800
0.24	0.82642	0.84316	0.85772	0.87046	0.88167	0.89158	0.90038	0.90822	0.91525	0.92156
0.25	0.83406	0.84999	0.86386	0.87601	0.88671	0.89617	0.90457	0.91207	0.91879	0.92482
0.26	0.84105	0.85625	0.86950	0.88110	0.89133	0.90038	0.90843	0.91561	0.92204	0.92783
0.27	0.84746	0.86200	0.87468	0.88579	0.89559	0.90427	0.91198	0.91887	0.92505	0.93060
0.28	0.85338	0.86731	0.87946	0.89012	0.89953	0.90786	0.91527	0.92189	0.92783	0.93317
0.29	0.85885	0.87222	0.88389	0.89414	0.90318	0.91119	0.91832	0.92470	0.93041	0.93555
0.30	0.86393	0.87678	0.88800	0.89787	0.90657	0.91429	0.92116	0.92731	0.93282	0.93777
0.31	0.86865	0.88102	0.89184	0.90134	0.90974	0.91718	0.92381	0.92974	0.93506	0.93984
0.32	0.87306	0.88498	0.89541	0.90459	0.91269	0.91988	0.92629	0.93202	0.93716	0.94178
0.33	0.87717	0.88869	0.89876	0.90763	0.91546	0.92241	0.92861	0.93415	0.93912	0.94360

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B	X	X	X	X	X	X	X	X	X	X
0.34	0.88103	0.89216	0.90190	0.91048	0.91806	0.92479	0.93079	0.93615	0.94097	0.94531
0.35	0.88465	0.89542	0.90485	0.91316	0.92050	0.92702	0.93283	0.93804	0.94271	0.94691
0.36	0.88806	0.89849	0.90763	0.91568	0.92280	0.92912	0.93477	0.93981	0.94434	0.94843
0.37	0.89127	0.90138	0.91025	0.91806	0.92497	0.93111	0.93659	0.94149	0.94589	0.94986
0.38	0.89430	0.90412	0.91273	0.92031	0.92702	0.93299	0.93831	0.94308	0.94736	0.95121
0.39	0.89716	0.90670	0.91507	0.92244	0.92897	0.93477	0.93994	0.94458	0.94874	0.95249
0.40	0.89988	0.90915	0.91729	0.92446	0.93081	0.93645	0.94149	0.94600	0.95006	0.95371
0.41	0.90245	0.91147	0.91939	0.92637	0.93256	0.93806	0.94296	0.94736	0.95131	0.95487
0.42	0.90490	0.91368	0.92139	0.92819	0.93422	0.93958	0.94436	0.94864	0.95249	0.95596
0.43	0.90722	0.91578	0.92330	0.92993	0.93580	0.94103	0.94569	0.94987	0.95363	0.95701
0.44	0.90944	0.91778	0.92511	0.93158	0.93731	0.94241	0.94696	0.95104	0.95471	0.95801
0.45	0.91155	0.91969	0.92684	0.93315	0.93875	0.94373	0.94817	0.95215	0.95574	0.95896
0.46	0.91356	0.92151	0.92849	0.93466	0.94012	0.94498	0.94933	0.95322	0.95672	0.95987
0.47	0.91548	0.92325	0.93007	0.93610	0.94144	0.94619	0.95043	0.95424	0.95766	0.96075
0.48	0.91732	0.92491	0.93158	0.93747	0.94269	0.94734	0.95149	0.95522	0.95856	0.96158
0.49	0.91909	0.92651	0.93303	0.93879	0.94390	0.94844	0.95251	0.95615	0.95943	0.96238
0.50	0.92077	0.92803	0.93441	0.94005	0.94505	0.94950	0.95348	0.95705	0.96025	0.96315
0.51	0.92239	0.92950	0.93575	0.94126	0.94616	0.95052	0.95441	0.95791	0.96105	0.96388
0.52	0.92395	0.93090	0.93702	0.94243	0.94722	0.95150	0.95531	0.95873	0.96181	0.96459
0.53	0.92544	0.93225	0.93825	0.94355	0.94825	0.95243	0.95617	0.95953	0.96255	0.96527
0.54	0.92688	0.93355	0.93943	0.94462	0.94923	0.95334	0.95700	0.96029	0.96325	0.96592
0.55	0.92826	0.93480	0.94057	0.94566	0.95018	0.95420	0.95780	0.96103	0.96393	0.96655
0.56	0.92959	0.93601	0.94166	0.94666	0.95109	0.95504	0.95857	0.96174	0.96459	0.96716
0.57	0.93087	0.93717	0.94272	0.94762	0.95197	0.95585	0.95932	0.96242	0.96522	0.96775
0.58	0.93210	0.93829	0.94373	0.94855	0.95282	0.95663	0.96003	0.96309	0.96583	0.96831
0.59	0.93329	0.93937	0.94471	0.94944	0.95364	0.95738	0.96072	0.96372	0.96642	0.96886
0.60	0.93445	0.94041	0.94566	0.95031	0.95443	0.95810	0.96139	0.96434	0.96699	0.96939
0.61	0.93556	0.94142	0.94658	0.95114	0.95519	0.95881	0.96204	0.96493	0.96754	0.96990
0.62	0.93663	0.94239	0.94746	0.95195	0.95593	0.95948	0.96266	0.96551	0.96807	0.97039
0.63	0.93767	0.94333	0.94832	0.95273	0.95665	0.96014	0.96326	0.96607	0.96859	0.97087



L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B	X	X	X	X	X	X	X	X	X	X
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.05206	0.33677	0.45642
0.03	0.	0.	0.15613	0.29662	0.38233	0.44668	0.49852	0.57891	0.63949	0.68718
0.04	0.39837	0.46480	0.51796	0.56213	0.59970	0.63218	0.66060	0.70806	0.74613	0.77728
0.05	0.57180	0.61060	0.64391	0.67290	0.69836	0.72091	0.74102	0.77530	0.80335	0.82664
0.06	0.66267	0.69091	0.71567	0.73756	0.75703	0.77444	0.79010	0.81705	0.83933	0.85797
0.07	0.72059	0.74298	0.76281	0.78047	0.79629	0.81052	0.82337	0.84561	0.86411	0.87966
0.08	0.76115	0.77976	0.79633	0.81117	0.82451	0.83655	0.84746	0.86642	0.88224	0.89559
0.09	0.79126	0.80720	0.82146	0.83426	0.84581	0.85626	0.86574	0.88226	0.89609	0.90778
0.10	0.81454	0.82850	0.84102	0.85229	0.86247	0.87170	0.88009	0.89473	0.90702	0.91742
0.11	0.83311	0.84553	0.85669	0.86676	0.87587	0.88413	0.89166	0.90481	0.91586	0.92523
0.12	0.84827	0.85946	0.86954	0.87863	0.88687	0.89436	0.90118	0.91312	0.92317	0.93169
0.13	0.86089	0.87108	0.88026	0.88856	0.89608	0.90293	0.90917	0.92009	0.92930	0.93712
0.14	0.87157	0.88091	0.88935	0.89698	0.90390	0.91020	0.91595	0.92603	0.93453	0.94176
0.15	0.88071	0.88935	0.89715	0.90421	0.91062	0.91646	0.92179	0.93114	0.93904	0.94575
0.16	0.88864	0.89667	0.90392	0.91049	0.91647	0.92191	0.92688	0.93560	0.94296	0.94923
0.17	0.89557	0.90307	0.90985	0.91600	0.92159	0.92668	0.93134	0.93951	0.94641	0.95229
0.18	0.90169	0.90873	0.91509	0.92087	0.92612	0.93091	0.93528	0.94297	0.94947	0.95501
0.19	0.90713	0.91376	0.91976	0.92520	0.93015	0.93467	0.93880	0.94606	0.95219	0.95743
0.20	0.91200	0.91826	0.92394	0.92908	0.93377	0.93805	0.94195	0.94883	0.95464	0.95960
0.21	0.91638	0.92232	0.92770	0.93258	0.93703	0.94109	0.94480	0.95133	0.95685	0.96156
0.22	0.92035	0.92599	0.93111	0.93575	0.93998	0.94385	0.94738	0.95359	0.95885	0.96334
0.23	0.92395	0.92933	0.93421	0.93864	0.94267	0.94636	0.94973	0.95566	0.96068	0.96497
0.24	0.92724	0.93238	0.93704	0.94127	0.94513	0.94865	0.95187	0.95755	0.96235	0.96645
0.25	0.93026	0.93518	0.93964	0.94369	0.94739	0.95076	0.95385	0.95928	0.96388	0.96781
0.26	0.93304	0.93776	0.94203	0.94592	0.94946	0.95270	0.95566	0.96088	0.96530	0.96907
0.27	0.93561	0.94014	0.94424	0.94798	0.95138	0.95449	0.95734	0.96235	0.96661	0.97024
0.28	0.93798	0.94234	0.94629	0.94989	0.95316	0.95616	0.95890	0.96372	0.96782	0.97131
0.29	0.94019	0.94439	0.94819	0.95166	0.95482	0.95770	0.96034	0.96500	0.96895	0.97232
0.30	0.94225	0.94629	0.94997	0.95331	0.95636	0.95914	0.96169	0.96619	0.97000	0.97325
0.31	0.94416	0.94807	0.95162	0.95485	0.95780	0.96049	0.96295	0.96729	0.97098	0.97413
0.32	0.94596	0.94974	0.95317	0.95629	0.95914	0.96175	0.96413	0.96833	0.97190	0.97495
0.33	0.94764	0.95130	0.95462	0.95765	0.96041	0.96293	0.96524	0.96931	0.97276	0.97571

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B	X	X	X	X	X	X	X	X	X	X
0.34	0.94922	0.95277	0.95599	0.95892	0.96159	0.96404	0.96628	0.97022	0.97357	0.97644
0.35	0.95071	0.95415	0.95727	0.96012	0.96271	0.96508	0.96726	0.97109	0.97434	0.97712
0.36	0.95211	0.95545	0.95849	0.96125	0.96377	0.96607	0.96818	0.97190	0.97506	0.97776
0.37	0.95344	0.95669	0.95963	0.96232	0.96476	0.96700	0.96906	0.97267	0.97574	0.97837
0.38	0.95469	0.95785	0.96072	0.96333	0.96571	0.96789	0.96988	0.97340	0.97639	0.97894
0.39	0.95588	0.95895	0.96174	0.96428	0.96660	0.96872	0.97067	0.97409	0.97700	0.97949
0.40	0.95701	0.96000	0.96272	0.96519	0.96745	0.96952	0.97141	0.97475	0.97758	0.98001
0.41	0.95808	0.96100	0.96365	0.96606	0.96826	0.97027	0.97212	0.97537	0.97814	0.98050
0.42	0.95910	0.96194	0.96453	0.96688	0.96903	0.97099	0.97279	0.97597	0.97866	0.98097
0.43	0.96007	0.96285	0.96537	0.96766	0.96976	0.97168	0.97343	0.97653	0.97916	0.98142
0.44	0.96100	0.96371	0.96617	0.96841	0.97046	0.97233	0.97404	0.97707	0.97964	0.98184
0.45	0.96188	0.96453	0.96693	0.96912	0.97112	0.97295	0.97463	0.97759	0.98010	0.98225
0.46	0.96273	0.96531	0.96766	0.96980	0.97176	0.97355	0.97519	0.97808	0.98054	0.98264
0.47	0.96353	0.96606	0.96836	0.97046	0.97237	0.97412	0.97572	0.97855	0.98096	0.98301
0.48	0.96431	0.96678	0.96903	0.97108	0.97295	0.97466	0.97623	0.97900	0.98136	0.98337
0.49	0.96505	0.96747	0.96967	0.97168	0.97351	0.97519	0.97672	0.97944	0.98174	0.98371
0.50	0.96576	0.96813	0.97029	0.97225	0.97405	0.97569	0.97720	0.97985	0.98211	0.98404
0.51	0.96644	0.96877	0.97088	0.97281	0.97456	0.97617	0.97765	0.98025	0.98246	0.98435
0.52	0.96710	0.96938	0.97145	0.97334	0.97506	0.97664	0.97808	0.98063	0.98280	0.98466
0.53	0.96773	0.96997	0.97200	0.97385	0.97554	0.97708	0.97850	0.98100	0.98313	0.98495
0.54	0.96834	0.97053	0.97252	0.97434	0.97599	0.97751	0.97890	0.98136	0.98344	0.98523
0.55	0.96892	0.97107	0.97303	0.97481	0.97644	0.97793	0.97929	0.98170	0.98375	0.98550
0.56	0.96949	0.97160	0.97352	0.97527	0.97686	0.97832	0.97966	0.98203	0.98404	0.98576
0.57	0.97003	0.97210	0.97399	0.97570	0.97727	0.97871	0.98002	0.98235	0.98432	0.98601
0.58	0.97056	0.97259	0.97444	0.97613	0.97767	0.97908	0.98037	0.98265	0.98460	0.98626
0.59	0.97106	0.97306	0.97488	0.97654	0.97805	0.97944	0.98071	0.98295	0.98486	0.98649
0.60	0.97155	0.97352	0.97530	0.97693	0.97842	0.97978	0.98103	0.98324	0.98511	0.98672
0.61	0.97202	0.97396	0.97571	0.97732	0.97878	0.98012	0.98135	0.98352	0.98536	0.98694
0.62	0.97248	0.97438	0.97611	0.97769	0.97913	0.98044	0.98165	0.98378	0.98560	0.98715
0.63	0.97293	0.97479	0.97649	0.97804	0.97946	0.98076	0.98194	0.98404	0.98583	0.98735

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B	X	X	X	X	X	X	X	X	X	X
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.22116	0.36439	0.45505	0.52260	0.57621	0.62027
0.02	0.53865	0.60090	0.65028	0.69060	0.72419	0.75259	0.77688	0.79784	0.81609	0.83208
0.03	0.72579	0.75766	0.78437	0.80703	0.82642	0.84316	0.85772	0.87046	0.88167	0.89158
0.04	0.80317	0.82495	0.84346	0.85934	0.87306	0.88498	0.89541	0.90459	0.91269	0.91988
0.05	0.84620	0.86280	0.87701	0.88925	0.89988	0.90915	0.91729	0.92446	0.93081	0.93645
0.06	0.87372	0.88714	0.89868	0.90865	0.91732	0.92491	0.93158	0.93747	0.94269	0.94734
0.07	0.89285	0.90413	0.91384	0.92225	0.92959	0.93601	0.94166	0.94666	0.95109	0.95504
0.08	0.90694	0.91666	0.92505	0.93233	0.93868	0.94424	0.94915	0.95349	0.95734	0.96078
0.09	0.91774	0.92629	0.93367	0.94009	0.94569	0.95060	0.95493	0.95877	0.96217	0.96521
0.10	0.92630	0.93392	0.94052	0.94625	0.95126	0.95566	0.95953	0.96297	0.96602	0.96875
0.11	0.93324	0.94012	0.94608	0.95126	0.95579	0.95977	0.96328	0.96640	0.96916	0.97163
0.12	0.93898	0.94526	0.95069	0.95542	0.95955	0.96319	0.96640	0.96924	0.97177	0.97403
0.13	0.94382	0.94958	0.95457	0.95892	0.96272	0.96607	0.96902	0.97164	0.97397	0.97605
0.14	0.94794	0.95327	0.95789	0.96191	0.96544	0.96853	0.97127	0.97369	0.97585	0.97778
0.15	0.95150	0.95646	0.96075	0.96450	0.96778	0.97066	0.97321	0.97547	0.97748	0.97928
0.16	0.95460	0.95924	0.96325	0.96676	0.96982	0.97252	0.97491	0.97702	0.97890	0.98058
0.17	0.95733	0.96168	0.96545	0.96874	0.97162	0.97416	0.97640	0.97839	0.98016	0.98174
0.18	0.95975	0.96385	0.96741	0.97051	0.97322	0.97561	0.97773	0.97960	0.98127	0.98276
0.19	0.96191	0.96579	0.96915	0.97208	0.97465	0.97691	0.97891	0.98068	0.98226	0.98368
0.20	0.96385	0.96753	0.97071	0.97350	0.97593	0.97808	0.97998	0.98166	0.98316	0.98450
0.21	0.96561	0.96910	0.97213	0.97477	0.97709	0.97913	0.98094	0.98254	0.98397	0.98524
0.22	0.96720	0.97052	0.97341	0.97593	0.97815	0.98009	0.98181	0.98334	0.98470	0.98592
0.23	0.96865	0.97182	0.97458	0.97699	0.97911	0.98097	0.98261	0.98407	0.98537	0.98653
0.24	0.96997	0.97301	0.97566	0.97796	0.97999	0.98177	0.98334	0.98474	0.98599	0.98710
0.25	0.97119	0.97411	0.97664	0.97885	0.98079	0.98250	0.98401	0.98536	0.98655	0.98762
0.26	0.97231	0.97512	0.97755	0.97968	0.98154	0.98318	0.98463	0.98592	0.98707	0.98810
0.27	0.97335	0.97605	0.97839	0.98044	0.98223	0.98381	0.98521	0.98645	0.98755	0.98854
0.28	0.97432	0.97691	0.97917	0.98114	0.98287	0.98439	0.98574	0.98693	0.98800	0.98895
0.29	0.97522	0.97772	0.97990	0.98180	0.98347	0.98493	0.98623	0.98739	0.98842	0.98934
0.30	0.97605	0.97847	0.98057	0.98241	0.98402	0.98544	0.98670	0.98781	0.98880	0.98969
0.31	0.97683	0.97917	0.98121	0.98298	0.98454	0.98591	0.98713	0.98821	0.98917	0.99003
0.32	0.97757	0.97983	0.98180	0.98352	0.98503	0.98636	0.98753	0.98858	0.98951	0.99034
0.33	0.97825	0.98045	0.98236	0.98402	0.98548	0.98677	0.98791	0.98893	0.98983	0.99063

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B	X	X	X	X	X	X	X	X	X	X
0.34	0.97890	0.98103	0.98288	0.98450	0.98591	0.98716	0.98827	0.98925	0.99013	0.99091
0.35	0.97951	0.98158	0.98337	0.98494	0.98632	0.98753	0.98861	0.98956	0.99041	0.99117
0.36	0.98008	0.98209	0.98384	0.98536	0.98670	0.98788	0.98893	0.98985	0.99068	0.99142
0.37	0.98063	0.98258	0.98428	0.98576	0.98706	0.98821	0.98923	0.99013	0.99093	0.99165
0.38	0.98114	0.98304	0.98470	0.98614	0.98741	0.98852	0.98951	0.99039	0.99117	0.99187
0.39	0.98163	0.98348	0.98509	0.98650	0.98773	0.98882	0.98978	0.99064	0.99140	0.99208
0.40	0.98209	0.98390	0.98547	0.98684	0.98804	0.98910	0.99004	0.99087	0.99162	0.99228
0.41	0.98253	0.98429	0.98582	0.98716	0.98833	0.98937	0.99028	0.99110	0.99182	0.99247
0.42	0.98295	0.98467	0.98616	0.98747	0.98861	0.98962	0.99052	0.99131	0.99202	0.99265
0.43	0.98335	0.98503	0.98649	0.98776	0.98888	0.98986	0.99074	0.99151	0.99220	0.99282
0.44	0.98373	0.98537	0.98680	0.98804	0.98913	0.99010	0.99095	0.99171	0.99238	0.99298
0.45	0.98410	0.98570	0.98709	0.98831	0.98938	0.99032	0.99115	0.99189	0.99255	0.99314
0.46	0.98445	0.98601	0.98737	0.98856	0.98961	0.99053	0.99134	0.99207	0.99271	0.99329
0.47	0.98478	0.98631	0.98764	0.98881	0.98983	0.99073	0.99153	0.99224	0.99287	0.99343
0.48	0.98510	0.98660	0.98790	0.98904	0.99004	0.99093	0.99171	0.99240	0.99302	0.99357
0.49	0.98541	0.98687	0.98815	0.98927	0.99025	0.99111	0.99188	0.99256	0.99316	0.99370
0.50	0.98570	0.98714	0.98839	0.98948	0.99044	0.99129	0.99204	0.99270	0.99330	0.99383
0.51	0.98598	0.98739	0.98862	0.98969	0.99063	0.99146	0.99220	0.99285	0.99343	0.99395
0.52	0.98625	0.98764	0.98884	0.98989	0.99081	0.99163	0.99235	0.99299	0.99356	0.99407
0.53	0.98652	0.98787	0.98905	0.99008	0.99099	0.99178	0.99249	0.99312	0.99368	0.99418
0.54	0.98677	0.98810	0.98925	0.99027	0.99115	0.99194	0.99263	0.99325	0.99380	0.99429
0.55	0.98701	0.98831	0.98945	0.99044	0.99132	0.99208	0.99277	0.99337	0.99391	0.99439
0.56	0.98724	0.98852	0.98964	0.99062	0.99147	0.99223	0.99290	0.99349	0.99402	0.99449
0.57	0.98747	0.98873	0.98982	0.99078	0.99162	0.99236	0.99302	0.99360	0.99412	0.99459
0.58	0.98769	0.98892	0.99000	0.99094	0.99177	0.99250	0.99314	0.99371	0.99422	0.99468
0.59	0.98790	0.98911	0.99017	0.99109	0.99191	0.99262	0.99326	0.99382	0.99432	0.99477
0.60	0.98810	0.98929	0.99033	0.99124	0.99204	0.99275	0.99337	0.99392	0.99442	0.99486
0.61	0.98829	0.98947	0.99049	0.99139	0.99217	0.99287	0.99348	0.99402	0.99451	0.99494
0.62	0.98848	0.98964	0.99065	0.99153	0.99230	0.99298	0.99358	0.99412	0.99460	0.99503
0.63	0.98867	0.98981	0.99080	0.99166	0.99242	0.99309	0.99369	0.99421	0.99468	0.99510

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B	X	X	X	X	X	X	X	X	X	X
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.65729	0.68892	0.71627	0.74014	0.76115	0.77976	0.79633	0.81117	0.82451	0.83655
0.02	0.84618	0.85867	0.86978	0.87972	0.88864	0.89667	0.90392	0.91049	0.91647	0.92191
0.03	0.90038	0.90822	0.91525	0.92156	0.92724	0.93238	0.93704	0.94127	0.94513	0.94865
0.04	0.92629	0.93202	0.93716	0.94178	0.94596	0.94974	0.95317	0.95629	0.95914	0.96175
0.05	0.94149	0.94600	0.95006	0.95371	0.95701	0.96000	0.96272	0.96519	0.96745	0.96952
0.06	0.95149	0.95522	0.95856	0.96158	0.96431	0.96678	0.96903	0.97108	0.97295	0.97466
0.07	0.95857	0.96174	0.96459	0.96716	0.96949	0.97160	0.97352	0.97527	0.97686	0.97832
0.08	0.96385	0.96661	0.96909	0.97133	0.97335	0.97519	0.97687	0.97839	0.97978	0.98106
0.09	0.96793	0.97037	0.97257	0.97455	0.97635	0.97798	0.97946	0.98082	0.98205	0.98318
0.10	0.97119	0.97338	0.97535	0.97713	0.97874	0.98020	0.98154	0.98275	0.98386	0.98488
0.11	0.97384	0.97583	0.97762	0.97923	0.98069	0.98202	0.98323	0.98433	0.98534	0.98626
0.12	0.97605	0.97786	0.97950	0.98098	0.98232	0.98353	0.98464	0.98565	0.98657	0.98741
0.13	0.97791	0.97958	0.98109	0.98245	0.98369	0.98481	0.98583	0.98676	0.98761	0.98839
0.14	0.97951	0.98106	0.98245	0.98372	0.98486	0.98590	0.98685	0.98771	0.98850	0.98922
0.15	0.98089	0.98233	0.98363	0.98481	0.98588	0.98685	0.98773	0.98853	0.98927	0.98994
0.16	0.98209	0.98344	0.98466	0.98577	0.98677	0.98767	0.98850	0.98925	0.98994	0.99058
0.17	0.98315	0.98443	0.98557	0.98661	0.98755	0.98840	0.98918	0.98989	0.99054	0.99113
0.18	0.98410	0.98530	0.98638	0.98736	0.98825	0.98905	0.98979	0.99045	0.99107	0.99163
0.19	0.98494	0.98608	0.98710	0.98803	0.98887	0.98963	0.99033	0.99096	0.99154	0.99207
0.20	0.98570	0.98678	0.98775	0.98863	0.98943	0.99015	0.99081	0.99141	0.99196	0.99247
0.21	0.98638	0.98741	0.98834	0.98918	0.98993	0.99062	0.99125	0.99182	0.99235	0.99283
0.22	0.98701	0.98799	0.98887	0.98967	0.99039	0.99105	0.99165	0.99220	0.99270	0.99315
0.23	0.98758	0.98851	0.98936	0.99012	0.99081	0.99144	0.99201	0.99254	0.99302	0.99345
0.24	0.98810	0.98899	0.98980	0.99053	0.99120	0.99180	0.99235	0.99285	0.99331	0.99373
0.25	0.98858	0.98944	0.99021	0.99091	0.99155	0.99213	0.99266	0.99314	0.99358	0.99398
0.26	0.98902	0.98984	0.99059	0.99127	0.99188	0.99243	0.99294	0.99340	0.99382	0.99421
0.27	0.98943	0.99022	0.99094	0.99159	0.99218	0.99271	0.99320	0.99365	0.99405	0.99443
0.28	0.98981	0.99057	0.99127	0.99189	0.99246	0.99298	0.99345	0.99387	0.99427	0.99463
0.29	0.99016	0.99090	0.99157	0.99217	0.99272	0.99322	0.99367	0.99409	0.99446	0.99481
0.30	0.99049	0.99120	0.99185	0.99243	0.99296	0.99345	0.99388	0.99428	0.99465	0.99498
0.31	0.99080	0.99149	0.99211	0.99268	0.99319	0.99366	0.99408	0.99447	0.99482	0.99515
0.32	0.99109	0.99176	0.99236	0.99291	0.99341	0.99386	0.99427	0.99464	0.99498	0.99530
0.33	0.99136	0.99201	0.99259	0.99313	0.99361	0.99404	0.99444	0.99480	0.99514	0.99544

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B	X	X	X	X	X	X	X	X	X	X
0.34	0.99161	0.99224	0.99281	0.99333	0.99379	0.99422	0.99461	0.99496	0.99528	0.99558
0.35	0.99185	0.99247	0.99302	0.99352	0.99397	0.99438	0.99476	0.99510	0.99542	0.99570
0.36	0.99208	0.99268	0.99321	0.99370	0.99414	0.99454	0.99491	0.99524	0.99554	0.99582
0.37	0.99230	0.99287	0.99340	0.99387	0.99430	0.99469	0.99504	0.99537	0.99566	0.99594
0.38	0.99250	0.99306	0.99357	0.99403	0.99445	0.99483	0.99517	0.99549	0.99578	0.99604
0.39	0.99269	0.99324	0.99374	0.99419	0.99459	0.99496	0.99530	0.99561	0.99589	0.99614
0.40	0.99288	0.99341	0.99389	0.99433	0.99473	0.99509	0.99542	0.99572	0.99599	0.99624
0.41	0.99305	0.99357	0.99404	0.99447	0.99486	0.99521	0.99553	0.99582	0.99609	0.99633
0.42	0.99322	0.99373	0.99419	0.99460	0.99498	0.99532	0.99564	0.99592	0.99618	0.99642
0.43	0.99337	0.99387	0.99432	0.99473	0.99510	0.99543	0.99574	0.99602	0.99627	0.99650
0.44	0.99352	0.99401	0.99445	0.99485	0.99521	0.99554	0.99583	0.99611	0.99635	0.99658
0.45	0.99367	0.99415	0.99457	0.99496	0.99532	0.99564	0.99593	0.99619	0.99644	0.99666
0.46	0.99381	0.99427	0.99469	0.99507	0.99542	0.99573	0.99602	0.99628	0.99651	0.99673
0.47	0.99394	0.99440	0.99481	0.99518	0.99551	0.99582	0.99610	0.99635	0.99659	0.99680
0.48	0.99407	0.99451	0.99491	0.99528	0.99561	0.99591	0.99618	0.99643	0.99666	0.99687
0.49	0.99419	0.99462	0.99502	0.99538	0.99570	0.99599	0.99626	0.99650	0.99673	0.99693
0.50	0.99430	0.99473	0.99512	0.99547	0.99578	0.99607	0.99633	0.99657	0.99679	0.99699
0.51	0.99442	0.99484	0.99521	0.99556	0.99587	0.99615	0.99641	0.99664	0.99686	0.99705
0.52	0.99452	0.99494	0.99531	0.99564	0.99595	0.99622	0.99648	0.99671	0.99692	0.99711
0.53	0.99463	0.99503	0.99540	0.99572	0.99602	0.99630	0.99654	0.99677	0.99697	0.99716
0.54	0.99473	0.99512	0.99548	0.99580	0.99610	0.99636	0.99661	0.99683	0.99703	0.99722
0.55	0.99482	0.99521	0.99556	0.99588	0.99617	0.99643	0.99667	0.99689	0.99708	0.99727
0.56	0.99492	0.99530	0.99564	0.99595	0.99624	0.99649	0.99673	0.99694	0.99714	0.99732
0.57	0.99501	0.99538	0.99572	0.99603	0.99630	0.99656	0.99679	0.99700	0.99719	0.99736
0.58	0.99509	0.99546	0.99579	0.99609	0.99637	0.99662	0.99684	0.99705	0.99724	0.99741
0.59	0.99518	0.99554	0.99586	0.99616	0.99643	0.99667	0.99689	0.99710	0.99728	0.99745
0.60	0.99526	0.99561	0.99593	0.99622	0.99649	0.99673	0.99695	0.99715	0.99733	0.99750
0.61	0.99533	0.99568	0.99600	0.99629	0.99655	0.99678	0.99700	0.99719	0.99737	0.99754
0.62	0.99541	0.99575	0.99607	0.99635	0.99660	0.99683	0.99705	0.99724	0.99741	0.99758
0.63	0.99548	0.99582	0.99613	0.99640	0.99666	0.99688	0.99709	0.99728	0.99746	0.99761

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B	X	X	X	X	X	X	X	X	X	X
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.84746	0.85738	0.86642	0.87468	0.88224	0.88919	0.89559	0.90149	0.90694	0.91198
0.02	0.92688	0.93142	0.93560	0.93943	0.94296	0.94622	0.94923	0.95202	0.95460	0.95700
0.03	0.95187	0.95483	0.95755	0.96004	0.96235	0.96448	0.96645	0.96828	0.96997	0.97155
0.04	0.96413	0.96632	0.96833	0.97019	0.97190	0.97348	0.97495	0.97630	0.97757	0.97874
0.05	0.97141	0.97315	0.97475	0.97622	0.97758	0.97884	0.98001	0.98109	0.98209	0.98303
0.06	0.97623	0.97768	0.97900	0.98023	0.98136	0.98240	0.98337	0.98427	0.98510	0.98588
0.07	0.97966	0.98090	0.98203	0.98308	0.98404	0.98493	0.98576	0.98653	0.98724	0.98791
0.08	0.98223	0.98330	0.98429	0.98521	0.98605	0.98683	0.98755	0.98822	0.98885	0.98943
0.09	0.98422	0.98517	0.98605	0.98686	0.98761	0.98830	0.98894	0.98954	0.99009	0.99061
0.10	0.98581	0.98667	0.98746	0.98818	0.98886	0.98948	0.99005	0.99059	0.99109	0.99155
0.11	0.98711	0.98789	0.98860	0.98926	0.98987	0.99044	0.99096	0.99145	0.99190	0.99232
0.12	0.98819	0.98890	0.98956	0.99016	0.99072	0.99124	0.99172	0.99216	0.99258	0.99296
0.13	0.98910	0.98976	0.99036	0.99092	0.99144	0.99192	0.99236	0.99277	0.99315	0.99351
0.14	0.98988	0.99049	0.99106	0.99157	0.99205	0.99250	0.99291	0.99329	0.99364	0.99397
0.15	0.99056	0.99113	0.99165	0.99214	0.99258	0.99300	0.99338	0.99374	0.99407	0.99437
0.16	0.99115	0.99169	0.99218	0.99263	0.99305	0.99344	0.99380	0.99413	0.99444	0.99473
0.17	0.99168	0.99218	0.99264	0.99307	0.99346	0.99382	0.99416	0.99448	0.99477	0.99504
0.18	0.99214	0.99261	0.99305	0.99345	0.99382	0.99417	0.99449	0.99478	0.99506	0.99531
0.19	0.99256	0.99300	0.99342	0.99380	0.99415	0.99448	0.99478	0.99506	0.99532	0.99556
0.20	0.99293	0.99336	0.99375	0.99411	0.99444	0.99475	0.99504	0.99531	0.99555	0.99578
0.21	0.99327	0.99367	0.99405	0.99439	0.99471	0.99500	0.99528	0.99553	0.99577	0.99599
0.22	0.99357	0.99396	0.99432	0.99465	0.99495	0.99523	0.99549	0.99573	0.99596	0.99617
0.23	0.99385	0.99422	0.99457	0.99488	0.99517	0.99544	0.99569	0.99592	0.99613	0.99633
0.24	0.99411	0.99447	0.99479	0.99509	0.99537	0.99563	0.99587	0.99609	0.99630	0.99649
0.25	0.99435	0.99469	0.99500	0.99529	0.99556	0.99580	0.99603	0.99625	0.99644	0.99663
0.26	0.99457	0.99489	0.99519	0.99547	0.99573	0.99597	0.99619	0.99639	0.99658	0.99676
0.27	0.99477	0.99508	0.99537	0.99564	0.99589	0.99612	0.99633	0.99653	0.99671	0.99688
0.28	0.99496	0.99526	0.99554	0.99580	0.99603	0.99625	0.99646	0.99665	0.99683	0.99699
0.29	0.99513	0.99542	0.99569	0.99594	0.99617	0.99638	0.99658	0.99677	0.99694	0.99709
0.30	0.99529	0.99558	0.99584	0.99608	0.99630	0.99650	0.99670	0.99687	0.99704	0.99719
0.31	0.99544	0.99572	0.99597	0.99620	0.99642	0.99662	0.99680	0.99697	0.99713	0.99728
0.32	0.99559	0.99585	0.99610	0.99632	0.99653	0.99672	0.99690	0.99707	0.99722	0.99737
0.33	0.99572	0.99598	0.99622	0.99643	0.99664	0.99682	0.99700	0.99716	0.99731	0.99745

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B	X	X	X	X	X	X	X	X	X	X
0.34	0.99585	0.99610	0.99633	0.99654	0.99674	0.99692	0.99709	0.99724	0.99739	0.99752
0.35	0.99597	0.99621	0.99643	0.99664	0.99683	0.99701	0.99717	0.99732	0.99746	0.99759
0.36	0.99608	0.99631	0.99653	0.99673	0.99692	0.99709	0.99725	0.99739	0.99753	0.99766
0.37	0.99618	0.99641	0.99663	0.99682	0.99700	0.99717	0.99732	0.99747	0.99760	0.99772
0.38	0.99629	0.99651	0.99671	0.99690	0.99708	0.99724	0.99739	0.99753	0.99766	0.99778
0.39	0.99638	0.99660	0.99680	0.99698	0.99715	0.99731	0.99746	0.99760	0.99772	0.99784
0.40	0.99647	0.99668	0.99688	0.99706	0.99723	0.99738	0.99752	0.99766	0.99778	0.99789
0.41	0.99656	0.99676	0.99695	0.99713	0.99729	0.99744	0.99758	0.99771	0.99783	0.99795
0.42	0.99664	0.99684	0.99703	0.99720	0.99736	0.99750	0.99764	0.99777	0.99789	0.99799
0.43	0.99672	0.99691	0.99710	0.99726	0.99742	0.99756	0.99770	0.99782	0.99793	0.99804
0.44	0.99679	0.99699	0.99716	0.99733	0.99748	0.99762	0.99775	0.99787	0.99798	0.99809
0.45	0.99686	0.99705	0.99723	0.99739	0.99753	0.99767	0.99780	0.99792	0.99803	0.99813
0.46	0.99693	0.99712	0.99729	0.99744	0.99759	0.99772	0.99785	0.99796	0.99807	0.99817
0.47	0.99700	0.99718	0.99734	0.99750	0.99764	0.99777	0.99789	0.99801	0.99811	0.99821
0.48	0.99706	0.99724	0.99740	0.99755	0.99769	0.99782	0.99794	0.99805	0.99815	0.99825
0.49	0.99712	0.99729	0.99745	0.99760	0.99774	0.99786	0.99798	0.99809	0.99819	0.99828
0.50	0.99718	0.99735	0.99750	0.99765	0.99778	0.99790	0.99802	0.99813	0.99822	0.99832
0.51	0.99723	0.99740	0.99755	0.99769	0.99782	0.99795	0.99806	0.99816	0.99826	0.99835
0.52	0.99729	0.99745	0.99760	0.99774	0.99787	0.99799	0.99810	0.99820	0.99829	0.99838
0.53	0.99734	0.99750	0.99765	0.99778	0.99791	0.99802	0.99813	0.99823	0.99832	0.99841
0.54	0.99739	0.99754	0.99769	0.99782	0.99795	0.99806	0.99817	0.99826	0.99836	0.99844
0.55	0.99743	0.99759	0.99773	0.99786	0.99798	0.99810	0.99820	0.99830	0.99839	0.99847
0.56	0.99748	0.99763	0.99777	0.99790	0.99802	0.99813	0.99823	0.99833	0.99841	0.99850
0.57	0.99752	0.99767	0.99781	0.99794	0.99805	0.99816	0.99826	0.99836	0.99844	0.99852
0.58	0.99757	0.99771	0.99785	0.99797	0.99809	0.99819	0.99829	0.99838	0.99847	0.99855
0.59	0.99761	0.99775	0.99788	0.99801	0.99812	0.99822	0.99832	0.99841	0.99849	0.99857
0.60	0.99765	0.99779	0.99792	0.99804	0.99815	0.99825	0.99835	0.99844	0.99852	0.99860
0.61	0.99769	0.99783	0.99795	0.99807	0.99818	0.99828	0.99838	0.99846	0.99854	0.99862
0.62	0.99772	0.99786	0.99799	0.99810	0.99821	0.99831	0.99840	0.99849	0.99857	0.99864
0.63	0.99776	0.99790	0.99802	0.99813	0.99824	0.99834	0.99843	0.99851	0.99859	0.99866



L	5.80	5.90	6.00	6.10	6.20	6.30				
B	X	X	X	X	X	X	X	X	X	X
0.	0.	0.	0.	0.	0.	0.				
0.01	0.91666	0.92101	0.92505	0.92881	0.93233	0.93561				
0.02	0.95924	0.96132	0.96325	0.96506	0.96676	0.96834				
0.03	0.97301	0.97438	0.97566	0.97685	0.97796	0.97901				
0.04	0.97983	0.98085	0.98180	0.98269	0.98352	0.98430				
0.05	0.98390	0.98471	0.98547	0.98617	0.98684	0.98746				
0.06	0.98660	0.98727	0.98790	0.98849	0.98904	0.98956				
0.07	0.98852	0.98910	0.98964	0.99014	0.99062	0.99106				
0.08	0.98997	0.99047	0.99094	0.99138	0.99179	0.99218				
0.09	0.99109	0.99153	0.99195	0.99234	0.99271	0.99305				
0.10	0.99198	0.99238	0.99276	0.99311	0.99344	0.99375				
0.11	0.99271	0.99308	0.99342	0.99374	0.99404	0.99432				
0.12	0.99332	0.99366	0.99397	0.99426	0.99454	0.99479				
0.13	0.99384	0.99415	0.99444	0.99471	0.99496	0.99519				
0.14	0.99428	0.99457	0.99483	0.99508	0.99532	0.99554				
0.15	0.99466	0.99493	0.99518	0.99541	0.99563	0.99584				
0.16	0.99500	0.99525	0.99548	0.99570	0.99591	0.99610				
0.17	0.99529	0.99553	0.99575	0.99595	0.99615	0.99633				
0.18	0.99555	0.99578	0.99598	0.99618	0.99636	0.99653				
0.19	0.99579	0.99600	0.99620	0.99638	0.99655	0.99671				
0.20	0.99600	0.99620	0.99639	0.99656	0.99673	0.99688				
0.21	0.99619	0.99638	0.99656	0.99673	0.99688	0.99703				
0.22	0.99636	0.99655	0.99672	0.99687	0.99702	0.99716				
0.23	0.99652	0.99670	0.99686	0.99701	0.99715	0.99729				
0.24	0.99667	0.99683	0.99699	0.99714	0.99727	0.99740				
0.25	0.99680	0.99696	0.99711	0.99725	0.99738	0.99750				
0.26	0.99692	0.99708	0.99722	0.99736	0.99748	0.99760				
0.27	0.99704	0.99719	0.99732	0.99745	0.99758	0.99769				
0.28	0.99714	0.99729	0.99742	0.99755	0.99766	0.99777				
0.29	0.99724	0.99738	0.99751	0.99763	0.99774	0.99785				
0.30	0.99733	0.99747	0.99759	0.99771	0.99782	0.99792				
0.31	0.99742	0.99755	0.99767	0.99778	0.99789	0.99799				
0.32	0.99750	0.99763	0.99774	0.99785	0.99795	0.99805				
0.33	0.99758	0.99770	0.99781	0.99792	0.99802	0.99811				

L	5.80	5.90	6.00	6.10	6.20	6.30				
B	X	X	X	X	X	X	X	X	X	X
0.34	0.99765	0.99777	0.99788	0.99798	0.99808	0.99817				
0.35	0.99772	0.99783	0.99794	0.99804	0.99813	0.99822				
0.36	0.99778	0.99789	0.99799	0.99809	0.99818	0.99827				
0.37	0.99784	0.99795	0.99805	0.99814	0.99823	0.99831				
0.38	0.99790	0.99800	0.99810	0.99819	0.99828	0.99836				
0.39	0.99795	0.99805	0.99815	0.99824	0.99832	0.99840				
0.40	0.99800	0.99810	0.99819	0.99828	0.99836	0.99844				
0.41	0.99805	0.99815	0.99824	0.99832	0.99840	0.99848				
0.42	0.99810	0.99819	0.99828	0.99836	0.99844	0.99852				
0.43	0.99814	0.99823	0.99832	0.99840	0.99848	0.99855				
0.44	0.99818	0.99827	0.99836	0.99844	0.99851	0.99858				
0.45	0.99822	0.99831	0.99840	0.99847	0.99855	0.99861				
0.46	0.99826	0.99835	0.99843	0.99851	0.99858	0.99864				
0.47	0.99830	0.99838	0.99846	0.99854	0.99861	0.99867				
0.48	0.99833	0.99842	0.99850	0.99857	0.99864	0.99870				
0.49	0.99837	0.99845	0.99853	0.99860	0.99866	0.99873				
0.50	0.99840	0.99848	0.99856	0.99863	0.99869	0.99875				
0.51	0.99843	0.99851	0.99858	0.99865	0.99872	0.99878				
0.52	0.99846	0.99854	0.99861	0.99868	0.99874	0.99880				
0.53	0.99849	0.99857	0.99864	0.99870	0.99877	0.99882				
0.54	0.99852	0.99859	0.99866	0.99873	0.99879	0.99885				
0.55	0.99855	0.99862	0.99869	0.99875	0.99881	0.99887				
0.56	0.99857	0.99864	0.99871	0.99877	0.99883	0.99889				
0.57	0.99860	0.99867	0.99873	0.99879	0.99885	0.99891				
0.58	0.99862	0.99869	0.99876	0.99882	0.99887	0.99892				
0.59	0.99865	0.99871	0.99878	0.99884	0.99889	0.99894				
0.60	0.99867	0.99873	0.99880	0.99886	0.99891	0.99896				
0.61	0.99869	0.99876	0.99882	0.99887	0.99893	0.99898				
0.62	0.99871	0.99878	0.99884	0.99889	0.99894	0.99899				
0.63	0.99873	0.99879	0.99885	0.99891	0.99896	0.99901				



Table 4

Ratio of Magnetic Field to Magnetic Field at Invariant  
Equator,  $B/B_0$ , as a Function of  $B$  and  $L$

$$B/B_0(B, L) = \frac{BL^3}{M}$$

$B$  in Gauss

$B/B_0$  no Units

$L$  in Earth-Radii

$M = 0.311653 (\text{Earth-Radii})^3 - \text{Gauss}$

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.04	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.06	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.07	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.08	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.09	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.07539
0.10	0.	0.	0.	0.	0.	0.	0.	0.	1.08294	1.19488
0.11	0.	0.	0.	0.	0.	0.	0.	1.07603	1.19123	1.31437
0.12	0.	0.	0.	0.	0.	0.	1.05656	1.17385	1.29952	1.43385
0.13	0.	0.	0.	0.	0.	1.02630	1.14461	1.27167	1.40782	1.55334
0.14	0.	0.	0.	0.	0.	1.10524	1.23265	1.36950	1.51611	1.67283
0.15	0.	0.	0.	0.	1.05743	1.18419	1.32070	1.46732	1.62440	1.79232
0.16	0.	0.	0.	1.00272	1.12792	1.26314	1.40875	1.56514	1.73270	1.91181
0.17	0.	0.	0.	1.06539	1.19842	1.34208	1.49679	1.66296	1.84099	2.03129
0.18	0.	0.	0.	1.12806	1.26891	1.42103	1.58484	1.76078	1.94928	2.15078
0.19	0.	0.	1.05348	1.19073	1.33941	1.49997	1.67289	1.85860	2.05758	2.27027
0.20	0.	0.	1.10893	1.25340	1.40990	1.57892	1.76093	1.95642	2.16587	2.38976
0.21	0.	1.02481	1.16437	1.31607	1.48040	1.65787	1.84898	2.05424	2.27416	2.50924
0.22	0.	1.07361	1.21982	1.37874	1.55089	1.73681	1.93703	2.15206	2.38246	2.62873
0.23	0.	1.12241	1.27526	1.44141	1.62139	1.81576	2.02507	2.24989	2.49075	2.74822
0.24	1.02499	1.17121	1.33071	1.50408	1.69188	1.89470	2.11312	2.34771	2.59904	2.86771
0.25	1.06769	1.22001	1.38616	1.56675	1.76238	1.97365	2.20117	2.44553	2.70734	2.98720
0.26	1.11040	1.26881	1.44160	1.62942	1.83287	2.05260	2.28921	2.54335	2.81553	3.10668
0.27	1.15311	1.31761	1.49705	1.69209	1.90337	2.13154	2.37726	2.64117	2.92392	3.22617
0.28	1.19582	1.36641	1.55250	1.75476	1.97386	2.21049	2.46531	2.73899	3.03222	3.34566
0.29	1.23852	1.41521	1.60794	1.81743	2.04436	2.28943	2.55335	2.83681	3.14051	3.46515
0.30	1.28123	1.46401	1.66339	1.88010	2.11485	2.36838	2.64140	2.93463	3.24881	3.58464
0.31	1.32394	1.51281	1.71883	1.94277	2.18535	2.44733	2.72945	3.03245	3.35710	3.70412
0.32	1.36665	1.56161	1.77428	2.00544	2.25584	2.52627	2.81749	3.13028	3.46539	3.82361
0.33	1.40936	1.61041	1.82973	2.06811	2.32634	2.60522	2.90554	3.22810	3.57359	3.94310

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B	B/BU	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO
0.34	1.45206	1.65921	1.88517	2.13078	2.39683	2.68416	2.99359	3.32592	3.68198	4.06259
0.35	1.49477	1.70801	1.94062	2.19344	2.46733	2.76311	3.08163	3.42374	3.79027	4.18207
0.36	1.53748	1.75681	1.99607	2.25611	2.53782	2.84205	3.16968	3.52156	3.89857	4.30156
0.37	1.58019	1.80561	2.05151	2.31878	2.60832	2.92100	3.25773	3.61938	4.00686	4.42105
0.38	1.62299	1.85441	2.10696	2.38145	2.67881	2.99995	3.34577	3.71720	4.11515	4.54054
0.39	1.66560	1.90321	2.16240	2.44412	2.74931	3.07889	3.43382	3.81502	4.22345	4.66003
0.40	1.70831	1.95201	2.21785	2.50679	2.81980	3.15784	3.52187	3.91285	4.33174	4.77951
0.41	1.75102	2.00081	2.27330	2.56946	2.89030	3.23678	3.60991	4.01067	4.44003	4.89900
0.42	1.79373	2.04961	2.32874	2.63213	2.96079	3.31573	3.69796	4.10849	4.54833	5.01849
0.43	1.83643	2.09841	2.38419	2.69480	3.03129	3.39468	3.78601	4.20631	4.65662	5.13798
0.44	1.87914	2.14721	2.43964	2.75747	3.10178	3.47362	3.87405	4.30413	4.76491	5.25747
0.45	1.92185	2.19601	2.49508	2.82014	3.17228	3.55257	3.96210	4.40195	4.87321	5.37695
0.46	1.96456	2.24481	2.55053	2.88281	3.24277	3.63151	4.05015	4.49977	4.98150	5.49644
0.47	2.00726	2.29361	2.60598	2.94548	3.31327	3.71046	4.13819	4.59759	5.08979	5.61593
0.48	2.04997	2.34241	2.66142	3.00815	3.38376	3.78941	4.22624	4.69541	5.19809	5.73542
0.49	2.09268	2.39121	2.71687	3.07082	3.45426	3.86835	4.31429	4.79324	5.30638	5.85490
0.50	2.13539	2.44001	2.77231	3.13349	3.52475	3.94730	4.40233	4.89106	5.41468	5.97439
0.51	2.17810	2.48881	2.82776	3.19616	3.59525	4.02624	4.49038	4.98888	5.52297	6.09388
0.52	2.22090	2.53761	2.88321	3.25883	3.66574	4.10519	4.57843	5.08670	5.63126	6.21337
0.53	2.26351	2.58641	2.93865	3.32150	3.73624	4.18414	4.66647	5.18452	5.73956	6.33286
0.54	2.30622	2.63521	2.99410	3.38417	3.80673	4.26308	4.75452	5.28234	5.84785	6.45234
0.55	2.34893	2.68401	3.04955	3.44684	3.87723	4.34203	4.84257	5.38016	5.95614	6.57183
0.56	2.39163	2.73281	3.10499	3.50951	3.94772	4.42097	4.93061	5.47798	6.06444	6.69132
0.57	2.43434	2.78162	3.16044	3.57218	4.01822	4.49992	5.01866	5.57580	6.17273	6.81081
0.58	2.47705	2.83042	3.21588	3.63485	4.08871	4.57887	5.10670	5.67363	6.28102	6.93030
0.59	2.51976	2.87922	3.27133	3.69752	4.15921	4.65781	5.19475	5.77145	6.38932	7.04978
0.60	2.56247	2.92802	3.32678	3.76019	4.22970	4.73676	5.28280	5.86927	6.49761	7.16927
0.61	2.60517	2.97682	3.38222	3.82286	4.30020	4.81570	5.37084	5.96709	6.60590	7.28876
0.62	2.64788	3.02562	3.43767	3.88553	4.37069	4.89465	5.45889	6.06491	6.71420	7.40825
0.63	2.69059	3.07442	3.49312	3.94820	4.44119	4.97360	5.54694	6.16273	6.82249	7.52773

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B	B/BO	B/BO	B/BO	B/B	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.04	0.	0.	0.	0.	0.	0.	0.	0.	1.02678	1.10573
0.05	0.	0.	0.	0.	0.	1.01581	1.10042	1.18960	1.28348	1.38217
0.06	0.	0.	0.	1.03180	1.12279	1.21898	1.32051	1.42753	1.54017	1.65860
0.07	0.	1.00897	1.10350	1.20376	1.30992	1.42214	1.54059	1.66545	1.79687	1.93503
0.08	1.05143	1.15311	1.26115	1.37573	1.49705	1.62530	1.76068	1.90337	2.05357	2.21147
0.09	1.18285	1.29725	1.41879	1.54769	1.68418	1.82846	1.98076	2.14129	2.31026	2.48790
0.10	1.31428	1.44139	1.57643	1.71966	1.87131	2.03163	2.20085	2.37921	2.56696	2.76433
0.11	1.44571	1.58553	1.73408	1.89163	2.05844	2.23479	2.42093	2.61713	2.82365	3.04077
0.12	1.57714	1.72966	1.89172	2.06359	2.24557	2.43795	2.64101	2.85505	3.08035	3.31720
0.13	1.70857	1.87380	2.04936	2.23556	2.43271	2.64111	2.86110	3.09297	3.33794	3.59363
0.14	1.83999	2.01794	2.20701	2.40753	2.61984	2.84428	3.08118	3.33089	3.59374	3.87007
0.15	1.97142	2.16208	2.36465	2.57949	2.80697	3.04744	3.30127	3.56881	3.85044	4.14650
0.16	2.10285	2.30622	2.52229	2.75146	2.99410	3.25060	3.52135	3.80673	4.10713	4.42293
0.17	2.23428	2.45036	2.67994	2.92342	3.18123	3.45376	3.74144	4.04465	4.36383	4.69936
0.18	2.36571	2.59450	2.83758	3.09539	3.36836	3.65693	3.96152	4.28258	4.62052	4.97580
0.19	2.49714	2.73863	2.99522	3.26736	3.55549	3.86009	4.18161	4.52050	4.87722	5.25223
0.20	2.62856	2.88277	3.15287	3.43932	3.74262	4.06325	4.40169	4.75842	5.13391	5.52866
0.21	2.75999	3.02691	3.31051	3.61129	3.92975	4.26642	4.62177	4.99634	5.39061	5.80510
0.22	2.89142	3.17105	3.46815	3.78325	4.11689	4.46958	4.84186	5.23426	5.64731	6.08153
0.23	3.02285	3.31519	3.62580	3.95522	4.30402	4.67274	5.06194	5.47218	5.90400	6.35796
0.24	3.15428	3.45933	3.78344	4.12719	4.49115	4.87590	5.28203	5.71010	6.16070	6.63440
0.25	3.28571	3.60347	3.94108	4.29915	4.67828	5.07907	5.50211	5.94802	6.41739	6.91083
0.26	3.41714	3.74761	4.09872	4.47112	4.86541	5.28223	5.72220	6.18594	6.67409	7.18726
0.27	3.54856	3.89174	4.25637	4.64308	5.05254	5.48539	5.94228	6.42386	6.93078	7.46370
0.28	3.67999	4.03588	4.41401	4.81505	5.23967	5.68855	6.16237	6.66178	7.18748	7.74013
0.29	3.81142	4.18002	4.57165	4.98702	5.42680	5.89172	6.38245	6.89970	7.44418	8.01656
0.30	3.94285	4.32416	4.72930	5.15898	5.61394	6.09488	6.60254	7.13763	7.70087	8.29300
0.31	4.07427	4.46830	4.88694	5.33095	5.80107	6.29804	6.82262	7.37555	7.95757	8.56943
0.32	4.20570	4.61244	5.04458	5.50291	5.98820	6.50120	7.04270	7.61347	8.21426	8.84586
0.33	4.33713	4.75658	5.20223	5.67488	6.17533	6.70437	7.26279	7.85139	8.47096	9.12230

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0
0.34	4.46856	4.90071	5.35987	5.84685	6.36246	6.90753	7.48287	8.08931	8.72766	9.39873
0.35	4.59959	5.04485	5.51751	6.01881	6.54959	7.11069	7.70296	8.32723	8.98435	9.67516
0.36	4.73142	5.18899	5.67516	6.19078	6.73672	7.31385	7.92304	8.56515	9.24105	9.95160
0.37	4.86284	5.33313	5.83280	6.36275	6.92385	7.51702	8.14313	8.80307	9.49774	10.22803
0.38	4.99427	5.47727	5.99044	6.53471	7.11099	7.72018	8.36321	9.04099	9.75444	10.50446
0.39	5.12570	5.62141	6.14809	6.70668	7.29812	7.92334	8.58330	9.27891	10.01113	10.78090
0.40	5.25713	5.76555	6.30573	6.87864	7.48525	8.12651	8.80338	9.51683	10.26783	11.05733
0.41	5.38856	5.90969	6.46337	7.05061	7.67238	8.32967	9.02346	9.75475	10.52453	11.33376
0.42	5.51998	6.05382	6.62102	7.22258	7.85951	8.53283	9.24355	9.99268	10.78122	11.61020
0.43	5.65141	6.19796	6.77866	7.39454	8.04664	8.73599	9.46363	10.23060	11.03792	11.88663
0.44	5.78284	6.34210	6.93630	7.56651	8.23377	8.93916	9.68372	10.46852	11.29451	12.16306
0.45	5.91427	6.48624	7.09395	7.73847	8.42090	9.14232	9.90380	10.70644	11.55131	12.43950
0.46	6.04570	6.63038	7.25159	7.91044	8.60803	9.34548	10.12389	10.94436	11.80800	12.71593
0.47	6.17713	6.77452	7.40923	8.08241	8.79517	9.54864	10.34397	11.18228	12.06470	12.99236
0.48	6.30855	6.91866	7.56688	8.25437	8.98230	9.75181	10.56406	11.42020	12.32140	13.26880
0.49	6.43998	7.06279	7.72452	8.42634	9.16943	9.95497	10.78414	11.65812	12.57809	13.54523
0.50	6.57141	7.20693	7.88216	8.59830	9.35656	10.15813	11.00423	11.89604	12.83479	13.82166
0.51	6.70284	7.35107	8.03981	8.77027	9.54369	10.36129	11.22431	12.13396	13.09148	14.09809
0.52	6.83427	7.49521	8.19745	8.94224	9.73082	10.56446	11.44439	12.37188	13.34818	14.37453
0.53	6.96570	7.63935	8.35509	9.11420	9.91795	10.76762	11.66448	12.60981	13.60487	14.65096
0.54	7.09712	7.78349	8.51274	9.28617	10.10508	10.97078	11.88456	12.84773	13.86157	14.92739
0.55	7.22855	7.92763	8.67038	9.45813	10.29222	11.17395	12.10465	13.08565	14.11827	15.20383
0.56	7.35998	8.07177	8.82802	9.63010	10.47935	11.37711	12.32473	13.32357	14.37496	15.48026
0.57	7.49141	8.21590	8.98567	9.80207	10.66648	11.58027	12.54482	13.56149	14.63166	15.75669
0.58	7.62284	8.36004	9.14331	9.97403	10.85361	11.78343	12.76490	13.79941	14.88835	16.03313
0.59	7.75427	8.50418	9.30095	10.14600	11.04074	11.98660	12.98499	14.03733	15.14505	16.30956
0.60	7.88569	8.64832	9.45860	10.31797	11.22787	12.18976	13.20507	14.27525	15.40174	16.58599
0.61	8.01712	8.79246	9.61624	10.48993	11.41500	12.39292	13.42516	14.51317	15.65844	16.86243
0.62	8.14855	8.93660	9.77388	10.66190	11.60213	12.59608	13.64524	14.75109	15.91514	17.13886
0.63	8.27998	9.08074	9.93153	10.83386	11.78926	12.79925	13.86532	14.98901	16.17183	17.41529



L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B	B/BC	B/BD	B/BD	B/BD	B/BC	B/BD	B/BD	B/BD	B/BD	B/BD
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	1.00272	1.12792	1.26314
0.03	0.	0.	1.02499	1.09647	1.17121	1.24926	1.33071	1.50408	1.69188	1.89470
0.04	1.18863	1.27557	1.36665	1.46196	1.56161	1.66568	1.77428	2.00544	2.25584	2.52627
0.05	1.48579	1.59446	1.70831	1.82745	1.95201	2.08210	2.21785	2.50679	2.81980	3.15784
0.06	1.78294	1.91335	2.04997	2.19294	2.34241	2.49852	2.66142	3.00815	3.38376	3.78941
0.07	2.08010	2.23225	2.39163	2.55843	2.73281	2.91494	3.10499	3.50951	3.94772	4.42097
0.08	2.37726	2.55114	2.73330	2.92392	3.12322	3.33137	3.54856	4.01087	4.51168	5.05254
0.09	2.67442	2.87003	3.07496	3.28942	3.51362	3.74779	3.99213	4.51223	5.07564	5.68411
0.10	2.97157	3.18892	3.41662	3.65491	3.90402	4.16421	4.43570	5.01359	5.63961	6.31568
0.11	3.26873	3.50782	3.75828	4.02040	4.29442	4.58063	4.87927	5.51495	6.20357	6.94725
0.12	3.56589	3.82671	4.09994	4.38589	4.68483	4.99705	5.32284	6.01631	6.76753	7.57881
0.13	3.86305	4.14560	4.44161	4.75138	5.07523	5.41347	5.76641	6.51766	7.33149	8.21038
0.14	4.16070	4.46449	4.78327	5.11687	5.46563	5.82989	6.20998	7.01902	7.89545	8.84195
0.15	4.45736	4.78338	5.12493	5.48236	5.85603	6.24631	6.65355	7.52038	8.45941	9.47352
0.16	4.75452	5.10228	5.46659	5.84785	6.24643	6.66273	7.09712	8.02174	9.02337	10.10508
0.17	5.05168	5.42117	5.80825	6.21334	6.63684	7.07915	7.54069	8.52310	9.58733	10.73665
0.18	5.34893	5.74006	6.14992	6.57883	7.02724	7.49557	7.98426	9.02446	10.15129	11.36822
0.19	5.64599	6.05895	6.49158	6.94432	7.41764	7.91199	8.42783	9.52582	10.71525	11.99979
0.20	5.94315	6.37785	6.83324	7.30981	7.80804	8.32841	8.87140	10.02718	11.27921	12.63136
0.21	6.24031	6.69674	7.17490	7.67530	8.19844	8.74483	9.31497	10.52854	11.84317	13.26292
0.22	6.53746	7.01563	7.51656	8.04079	8.58885	9.16125	9.75855	11.02989	12.40713	13.89449
0.23	6.83462	7.33452	7.85823	8.40628	8.97925	9.57767	10.20212	11.53125	12.97109	14.52606
0.24	7.13178	7.65342	8.19987	8.77177	9.36965	9.99410	10.64569	12.03261	13.53505	15.15763
0.25	7.42893	7.97231	8.54155	9.13726	9.76005	10.41052	11.08926	12.53397	14.09901	15.78919
0.26	7.72609	8.29120	8.88321	9.50276	10.15046	10.82694	11.53283	13.03533	14.66297	16.42076
0.27	8.02325	8.61009	9.22487	9.86825	10.54086	11.24336	11.97640	13.53669	15.22693	17.05233
0.28	8.32041	8.92898	9.56654	10.23374	10.93126	11.65978	12.41997	14.03805	15.79089	17.68390
0.29	8.61756	9.24788	9.90820	10.59923	11.32166	12.07620	12.86354	14.53941	16.35486	18.31546
0.30	8.91472	9.56677	10.24986	10.96472	11.71206	12.49262	13.30711	15.04077	16.91882	18.94703
0.31	9.21188	9.88566	10.59152	11.33021	12.10247	12.90904	13.75068	15.54212	17.48278	19.57860
0.32	9.50904	10.20455	10.93318	11.69570	12.49287	13.32546	14.19425	16.04348	18.04674	20.21017
0.33	9.80619	10.52345	11.27485	12.06119	12.88327	13.74188	14.63782	16.54484	18.61070	20.84174

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0
0.34	10.10375	10.84234	11.61651	12.42668	13.27367	14.15830	15.08139	17.04620	19.17466	21.47330
0.35	10.40051	11.16123	11.95817	12.79217	13.66407	14.57472	15.52496	17.54756	19.73862	22.10487
0.36	10.69767	11.48012	12.29983	13.15766	14.05448	14.99114	15.96853	18.04892	20.30258	22.73644
0.37	10.99482	11.79902	12.64149	13.52315	14.44488	15.40756	16.41210	18.55028	20.86654	23.36801
0.38	11.29198	12.11791	12.98316	13.88864	14.83528	15.82398	16.85567	19.05164	21.43050	23.99957
0.39	11.58914	12.43680	13.32482	14.25413	15.22568	16.24040	17.29924	19.55299	21.99446	24.63114
0.40	11.88630	12.75569	13.66648	14.61962	15.61608	16.65683	17.74281	20.05435	22.55842	25.26271
0.41	12.18345	13.07458	14.00814	14.98511	16.00649	17.07325	18.18638	20.55571	23.12238	25.89428
0.42	12.48061	13.39348	14.34980	15.35061	16.39689	17.48967	18.62995	21.05707	23.68634	26.52585
0.43	12.77777	13.71237	14.69147	15.71610	16.78729	17.90609	19.07352	21.55843	24.25030	27.15741
0.44	13.07493	14.03126	15.03313	16.08159	17.17769	18.32251	19.51709	22.05979	24.81426	27.78898
0.45	13.37208	14.35015	15.37479	16.44708	17.56810	18.73893	19.96066	22.56115	25.37822	28.42055
0.46	13.66924	14.66905	15.71645	16.81257	17.95850	19.15535	20.40423	23.06251	25.94218	29.05212
0.47	13.96640	14.98794	16.05811	17.17806	18.34890	19.57177	20.84780	23.56387	26.50614	29.68368
0.48	14.26355	15.30683	16.39978	17.54355	18.73930	19.98819	21.29137	24.06522	27.07011	30.31525
0.49	14.56071	15.62572	16.74144	17.90904	19.12970	20.40461	21.73494	24.56658	27.63407	30.94682
0.50	14.85787	15.94462	17.08310	18.27453	19.52011	20.82103	22.17851	25.06794	28.19803	31.57839
0.51	15.15503	16.26351	17.42476	18.64002	19.91051	21.23745	22.62208	25.56930	28.76199	32.20996
0.52	15.45218	16.58240	17.76642	19.00551	20.30091	21.65387	23.06565	26.07066	29.32595	32.84152
0.53	15.74934	16.90129	18.10809	19.37100	20.69131	22.07029	23.50922	26.57202	29.88991	33.47309
0.54	16.04650	17.22018	18.44975	19.73649	21.08171	22.48671	23.95279	27.07338	30.45387	34.10466
0.55	16.34366	17.53908	18.79141	20.10198	21.47212	22.90313	24.39636	27.57474	31.01783	34.73623
0.56	16.64081	17.85797	19.13307	20.46747	21.86252	23.31956	24.83993	28.07610	31.58179	35.36779
0.57	16.93797	18.17686	19.47474	20.83296	22.25292	23.73598	25.28350	28.57745	32.14575	35.99936
0.58	17.23513	18.49575	19.81640	21.19845	22.64332	24.15240	25.72707	29.07881	32.70971	36.63093
0.59	17.53229	18.81465	20.15806	21.56395	23.03373	24.56882	26.17064	29.58017	33.27367	37.26250
0.60	17.82944	19.13354	20.49972	21.92944	23.42413	24.98524	26.61421	30.08153	33.83763	37.89406
0.61	18.12660	19.45243	20.84138	22.29493	23.81453	25.40166	27.05778	30.58289	34.40159	38.52563
0.62	18.42376	19.77132	21.18305	22.66042	24.20493	25.81808	27.50135	31.08425	34.96555	39.15720
0.63	18.72092	20.09022	21.52471	23.02591	24.59533	26.23450	27.94492	31.58561	35.52951	39.78877

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B	B/BC	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	1.05143	1.15311	1.26115	1.37573	1.49705	1.62530
0.02	1.40875	1.56514	1.73270	1.91181	2.10285	2.30622	2.52229	2.75146	2.99410	3.25060
0.03	2.11312	2.34771	2.59904	2.86771	3.15428	3.45933	3.78344	4.12719	4.49115	4.87590
0.04	2.81749	3.13028	3.46539	3.82361	4.20570	4.61244	5.04458	5.50291	5.98820	6.50120
0.05	3.52197	3.91285	4.33174	4.77951	5.25713	5.76555	6.30573	6.87864	7.48525	8.12651
0.06	4.22674	4.69541	5.19809	5.73542	6.30855	6.91866	7.56688	8.25437	8.98230	9.75181
0.07	4.93061	5.47798	6.06444	6.69132	7.35998	8.07177	8.82802	9.63010	10.47935	11.37711
0.08	5.63498	6.26055	6.93078	7.64722	8.41141	9.22487	10.08917	11.00583	11.97640	13.00241
0.09	6.33936	7.04312	7.79713	8.60313	9.46283	10.37798	11.35031	12.38156	13.47345	14.62771
0.10	7.04373	7.82569	8.66348	9.55903	10.51426	11.53109	12.61146	13.75729	14.97050	16.25301
0.11	7.74810	8.60826	9.52983	10.51493	11.56568	12.68420	13.87261	15.13302	16.46754	17.87831
0.12	8.45248	9.39083	10.39618	11.47083	12.61711	13.83731	15.13375	16.50874	17.96459	19.50361
0.13	9.15685	10.17340	11.26253	12.42674	13.66853	14.99042	16.39490	17.88447	19.46164	21.12891
0.14	9.86177	10.95597	12.12887	13.38264	14.71996	16.14353	17.65605	19.26020	20.95869	22.75422
0.15	10.56560	11.73853	12.99522	14.33854	15.77139	17.29664	18.91719	20.63593	22.45574	24.37952
0.16	11.26997	12.52110	13.86157	15.29445	16.82281	18.44975	20.17834	22.01166	23.95279	26.00482
0.17	11.97434	13.30367	14.72792	16.25035	17.87424	19.60286	21.43948	23.38739	25.44984	27.63012
0.18	12.67872	14.08624	15.59427	17.20625	18.92566	20.75597	22.70063	24.76312	26.94689	29.25542
0.19	13.38309	14.86881	16.46061	18.16215	19.97709	21.90908	23.96178	26.13885	28.44394	30.88072
0.20	14.08746	15.65138	17.32696	19.11806	21.02851	23.06219	25.22292	27.51457	29.94099	32.50602
0.21	14.79183	16.43395	18.19331	20.07396	22.07994	24.21530	26.48407	28.89030	31.43804	34.13132
0.22	15.49621	17.21652	19.05966	21.02986	23.13137	25.36840	27.74521	30.26603	32.93509	35.75662
0.23	16.20058	17.99909	19.92601	21.98576	24.18279	26.52151	29.00636	31.64176	34.43214	37.38193
0.24	16.90495	18.78166	20.79235	22.94167	25.23422	27.67462	30.26751	33.01749	35.92919	39.00723
0.25	17.60933	19.56422	21.65870	23.89757	26.28564	28.82773	31.52865	34.39322	37.42624	40.63253
0.26	18.31370	20.34679	22.52505	24.85347	27.33707	29.98084	32.78980	35.76895	38.92329	42.25783
0.27	19.01807	21.12936	23.39140	25.80938	28.38849	31.13395	34.05094	37.14467	40.42034	43.88313
0.28	19.72245	21.91193	24.25775	26.76528	29.43992	32.28706	35.31209	38.52040	41.91739	45.50843
0.29	20.42682	22.69450	25.12409	27.72118	30.49135	33.44017	36.57324	39.89613	43.41444	47.13373
0.30	21.13119	23.47707	25.99044	28.67708	31.54277	34.59328	37.83438	41.27186	44.91149	48.75903
0.31	21.83557	24.25964	26.85679	29.63299	32.59420	35.74639	39.09553	42.64759	46.40854	50.38433
0.32	22.53994	25.04221	27.72314	30.58889	33.64562	36.89950	40.35668	44.02332	47.90558	52.00964
0.33	23.24431	25.82478	28.58949	31.54479	34.69705	38.05261	41.61782	45.39905	49.40263	53.63494

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0	B/B0
0.34	23.94868	26.60735	29.45584	32.50070	35.74847	39.20572	42.87897	46.77478	50.89968	55.26024
0.35	24.65306	27.38991	30.32218	33.45660	36.79990	40.35883	44.14011	48.15050	52.39673	56.88554
0.36	25.35743	28.17248	31.18853	34.41250	37.85133	41.51193	45.40126	49.52623	53.89378	58.51084
0.37	26.06180	28.95505	32.05488	35.36840	38.90275	42.66504	46.66241	50.90196	55.39083	60.13614
0.38	26.76618	29.73762	32.92123	36.32431	39.95418	43.81815	47.92355	52.27769	56.88788	61.76144
0.39	27.47055	30.52019	33.78758	37.28021	41.00560	44.97126	49.18470	53.65342	58.38493	63.38674
0.40	28.17492	31.30276	34.65392	38.23611	42.05703	46.12437	50.44584	55.02915	59.88198	65.01204
0.41	28.87930	32.08533	35.52027	39.19202	43.10845	47.27748	51.70699	56.40488	61.37903	66.63734
0.42	29.58367	32.86790	36.38662	40.14792	44.15988	48.43059	52.96814	57.78061	62.87608	68.26265
0.43	30.28804	33.65047	37.25297	41.10382	45.21131	49.58370	54.22928	59.15633	64.37313	69.88795
0.44	30.99242	34.43304	38.11932	42.05972	46.26273	50.73681	55.49043	60.53206	65.87018	71.51325
0.45	31.69679	35.21560	38.98566	43.01563	47.31416	51.88992	56.75157	61.90779	67.36723	73.13855
0.46	32.40116	35.99817	39.85201	43.97153	48.36558	53.04303	58.01272	63.28352	68.86428	74.76385
0.47	33.10553	36.78074	40.71836	44.92743	49.41701	54.19614	59.27387	64.65925	70.36133	76.38915
0.48	33.80991	37.56331	41.58471	45.88334	50.46843	55.34925	60.53501	66.03498	71.85838	78.01445
0.49	34.51428	38.34588	42.45106	46.83924	51.51986	56.50236	61.79616	67.41071	73.35543	79.63975
0.50	35.21865	39.12845	43.31740	47.79514	52.57129	57.65547	63.05731	68.78643	74.85248	81.26505
0.51	35.92303	39.91102	44.18375	48.75104	53.62271	58.80857	64.31845	70.16216	76.34952	82.89036
0.52	36.62740	40.69359	45.05010	49.70695	54.67414	59.96168	65.57960	71.53789	77.84657	84.51566
0.53	37.33177	41.47616	45.91645	50.66285	55.72556	61.11479	66.84074	72.91362	79.34362	86.14096
0.54	38.03615	42.25873	46.78280	51.61875	56.77699	62.26790	68.10189	74.28935	80.84067	87.76626
0.55	38.74052	43.04130	47.64914	52.57466	57.82841	63.42101	69.36304	75.66508	82.33772	89.39156
0.56	39.44489	43.82386	48.51549	53.53056	58.87984	64.57412	70.62418	77.04081	83.83477	91.01686
0.57	40.14927	44.60643	49.38184	54.48646	59.93127	65.72723	71.88533	78.41654	85.33182	92.64216
0.58	40.85364	45.38900	50.24819	55.44236	60.98269	66.88034	73.14647	79.79226	86.82887	94.26746
0.59	41.55801	46.17157	51.11454	56.39827	62.03412	68.03345	74.40762	81.16799	88.32592	95.89276
0.60	42.26238	46.95414	51.98089	57.35417	63.08554	69.18656	75.66877	82.54372	89.82297	97.51807
0.61	42.96676	47.73671	52.84723	58.31007	64.13697	70.33967	76.92991	83.91945	91.32002	99.14337
0.62	43.67113	48.51928	53.71358	59.26597	65.18839	71.49278	78.19106	85.29518	92.81707	100.76867
0.63	44.37550	49.30185	54.57993	60.22188	66.23982	72.64589	79.45220	86.67091	94.31412	102.39397

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	1.76068	1.90337	2.05357	2.21147	2.37726	2.55114	2.73330	2.92392	3.12322	3.33137
0.02	3.52135	3.80673	4.10713	4.42293	4.75452	5.10228	5.46659	5.84785	6.24643	6.66273
0.03	5.28203	5.71010	6.16070	6.63440	7.13178	7.65342	8.19989	8.77177	9.36965	9.99410
0.04	7.04270	7.61347	8.21426	8.84586	9.50904	10.20455	10.93318	11.69570	12.49287	13.32546
0.05	8.80338	9.51683	10.26783	11.05733	11.88630	12.75569	13.66648	14.61962	15.61608	16.65683
0.06	10.56406	11.42020	12.32140	13.26880	14.26355	15.30683	16.39978	17.54355	18.73930	19.98819
0.07	12.32473	13.32357	14.37496	15.48026	16.64081	17.85797	19.13307	20.46747	21.86252	23.31956
0.08	14.08541	15.22693	16.42853	17.69173	19.01807	20.40911	21.86637	23.39140	24.98574	26.65092
0.09	15.84608	17.13030	18.48209	19.90319	21.39533	22.96025	24.59966	26.31532	28.10895	29.98229
0.10	17.60676	19.03367	20.53566	22.11466	23.77259	25.51138	27.33296	29.23925	31.23217	33.31365
0.11	19.36744	20.93703	22.58922	24.32612	26.14985	28.06252	30.06626	32.16317	34.35539	36.64502
0.12	21.12811	22.84040	24.64279	26.53759	28.52711	30.61366	32.79955	35.08710	37.47860	39.97638
0.13	22.88879	24.74377	26.69636	28.74906	30.90437	33.16480	35.53285	38.01102	40.60182	43.30775
0.14	24.64946	26.64713	28.74992	30.96052	33.28163	35.71594	38.26614	40.93495	43.72504	46.63911
0.15	26.41014	28.55050	30.80349	33.17199	35.65889	38.26708	40.99944	43.85887	46.84825	49.97048
0.16	28.17082	30.45387	32.85705	35.38345	38.03615	40.81822	43.73274	46.78280	49.97147	53.30184
0.17	29.93149	32.35723	34.91062	37.59492	40.41341	43.36935	46.46603	49.70672	53.09469	56.63321
0.18	31.69217	34.26060	36.96419	39.80639	42.79066	45.92049	49.19933	52.63065	56.21791	59.96457
0.19	33.45284	36.16397	39.01775	42.01785	45.16792	48.47163	51.93263	55.55457	59.34112	63.29594
0.20	35.21352	38.06734	41.07132	44.22932	47.54518	51.02277	54.66592	58.47850	62.46434	66.62730
0.21	36.97420	39.97070	43.12488	46.44078	49.72244	53.57391	57.39922	61.40242	65.58756	69.95867
0.22	38.73487	41.87407	45.17845	48.65225	52.29970	56.12505	60.13251	64.32634	68.71077	73.29003
0.23	40.49555	43.77744	47.23202	50.86371	54.67696	58.67618	62.86581	67.25027	71.83399	76.62140
0.24	42.25622	45.68080	49.28558	53.07518	57.05422	61.22732	65.59911	70.17419	74.95721	79.95276
0.25	44.01690	47.58417	51.33915	55.28665	59.43148	63.77846	68.33240	73.09812	78.08042	83.28413
0.26	45.77758	49.48754	53.39271	57.49811	61.80874	66.32960	71.06570	76.02204	81.20364	86.61549
0.27	47.53825	51.39090	55.44628	59.70958	64.18600	68.88074	73.79899	78.94597	84.32686	89.94686
0.28	49.29893	53.29427	57.49985	61.92104	66.56326	71.43188	76.53229	81.86989	87.45008	93.27822
0.29	51.05960	55.19764	59.55341	64.13251	68.94051	73.98302	79.26559	84.79382	90.57329	96.60959
0.30	52.82028	57.10100	61.60698	66.34397	71.31777	76.53415	81.99888	87.71774	93.69651	99.94095
0.31	54.58096	59.00437	63.66054	68.55544	73.69503	79.08529	84.73218	90.64167	96.81973	103.27232
0.32	56.34163	60.90774	65.71411	70.76691	76.07229	81.63643	87.46548	93.56559	99.94294	106.60368
0.33	58.10231	62.81110	67.76767	72.97837	78.44955	84.18757	90.19877	96.48952	103.06616	109.93505

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B	B/BC	B/BD	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO
0.34	59.86298	64.71447	69.82124	75.18984	80.82681	86.73871	92.93207	99.41344	106.18938	113.26641
0.35	61.62366	66.61784	71.87481	77.40130	83.20407	89.28985	95.66536	102.33737	109.31259	116.59778
0.36	63.38434	68.52120	73.92837	79.61277	85.58133	91.84099	98.39866	105.26129	112.43581	119.92914
0.37	65.14501	70.42457	75.98194	81.82423	87.95859	94.39212	101.13195	108.18522	115.55903	123.26051
0.38	66.90569	72.32794	78.03550	84.03570	90.33585	96.94326	103.86525	111.10914	118.68225	126.59187
0.39	68.66636	74.23130	80.08907	86.24717	92.71311	99.49440	106.59855	114.03307	121.80546	129.92324
0.40	70.42704	76.13467	82.14264	88.45863	95.09037	102.04554	109.33184	116.95699	124.92868	133.25460
0.41	72.18772	78.03804	84.19620	90.67010	97.46762	104.59668	112.06514	119.88092	128.05190	136.58597
0.42	73.94839	79.94140	86.24977	92.88157	99.84488	107.14782	114.79844	122.80484	131.17511	139.91733
0.43	75.70907	81.84477	88.30333	95.09303	102.22214	109.69895	117.53173	125.72876	134.29833	143.24870
0.44	77.46974	83.74814	90.35690	97.30450	104.59940	112.25009	120.26503	128.65269	137.42155	146.58006
0.45	79.23042	85.65150	92.41047	99.51596	106.97666	114.80123	122.99832	131.57661	140.54476	149.91143
0.46	80.99110	87.55487	94.46403	101.72743	109.35392	117.35237	125.73162	134.50054	143.66798	153.24279
0.47	82.75177	89.45824	96.51760	103.93889	111.73118	119.90351	128.46491	137.42446	146.79120	156.57416
0.48	84.51245	91.36160	98.57116	106.15036	114.10844	122.45465	131.19821	140.34839	149.91442	159.90552
0.49	86.27312	93.26497	100.62473	108.36183	116.48570	125.00578	133.93151	143.27231	153.03753	163.23689
0.50	88.03380	95.16834	102.67830	110.57329	118.86296	127.55692	136.66480	146.19624	156.16085	166.56825
0.51	89.79448	97.07170	104.73186	112.78476	121.24022	130.10806	139.39810	149.12016	159.28407	169.89962
0.52	91.55515	98.97507	106.78543	114.99622	123.61747	132.65920	142.13140	152.04409	162.40728	173.23098
0.53	93.31583	100.87844	108.83899	117.20769	125.99473	135.21034	144.86469	154.96801	165.53050	176.56235
0.54	95.07650	102.78181	110.89256	119.41916	128.37199	137.76148	147.59799	157.89194	168.65372	179.89371
0.55	96.83718	104.68517	112.94612	121.63062	130.74925	140.31261	150.33128	160.81586	171.77693	183.22508
0.56	98.59786	106.58854	114.99969	123.84209	133.12651	142.86375	153.06458	163.73979	174.90015	186.55644
0.57	100.35853	108.49191	117.05326	126.05355	135.50377	145.41489	155.79788	166.66371	178.02337	189.88781
0.58	102.11921	110.39527	119.10682	128.26502	137.88103	147.96603	158.53117	169.58764	181.14659	193.21917
0.59	103.87988	112.29864	121.16033	130.47648	140.25829	150.51717	161.26447	172.51156	184.26980	196.55054
0.60	105.64056	114.20200	123.21395	132.68795	142.63555	153.06831	163.99776	175.43548	187.39302	199.88190
0.61	107.40124	116.10537	125.26752	134.89942	145.01281	155.61945	166.73106	178.35941	190.51624	203.21327
0.62	109.16191	118.00874	127.32109	137.11088	147.39007	158.17058	169.46436	181.28333	193.63945	206.54463
0.63	110.92259	119.91211	129.37465	139.32235	149.76732	160.72172	172.19765	184.20726	196.76267	209.87600

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B	B/BC	B/BD	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	3.54856	3.77500	4.01087	4.25637	4.51168	4.77701	5.05254	5.33847	5.63498	5.94228
0.02	7.09712	7.55000	8.02174	8.51274	9.02337	9.55402	10.10508	10.67694	11.26997	11.88456
0.03	10.64569	11.32500	12.03261	12.76910	13.53505	14.33103	15.15763	16.01541	16.90495	17.82684
0.04	14.19475	15.10000	16.04348	17.02547	18.04674	19.10805	20.21017	21.35388	22.53994	23.76913
0.05	17.74291	18.87500	20.05435	21.28184	22.55842	23.88506	25.26271	26.69234	28.17492	29.71141
0.06	21.29137	22.65000	24.06522	25.53821	27.07011	28.66207	30.31525	32.03081	33.80991	35.65369
0.07	24.83993	26.42500	28.07610	29.79458	31.58179	33.43908	35.36779	37.36928	39.44489	41.59597
0.08	28.38849	30.20000	32.08697	34.05095	36.09347	38.21609	40.42034	42.70775	45.07988	47.53825
0.09	31.93706	33.97499	36.09784	38.30731	40.60516	42.99310	45.47288	48.04622	50.71486	53.48053
0.10	35.48567	37.74999	40.10871	42.56368	45.11684	47.77011	50.52542	53.38469	56.34985	59.42281
0.11	39.03418	41.52499	44.11958	46.82005	49.62853	52.54712	55.57796	58.72316	61.98483	65.36510
0.12	42.58274	45.29999	48.13045	51.07642	54.14021	57.32414	60.63050	64.06163	67.61982	71.30738
0.13	46.13130	49.07499	52.14132	55.33279	58.65189	62.10115	65.68305	69.40010	73.25480	77.24966
0.14	49.67987	52.84999	56.15219	59.58915	63.16358	66.87816	70.73559	74.73857	78.88979	83.19194
0.15	53.22843	56.62499	60.16306	63.84552	67.67526	71.65517	75.78813	80.07703	84.52477	89.13422
0.16	56.77699	60.39999	64.17393	68.10189	72.18695	76.43218	80.84067	85.41550	90.15976	95.07650
0.17	60.32555	64.17499	68.18480	72.35826	76.69863	81.20919	85.89321	90.75397	95.79474	101.01879
0.18	63.87411	67.94999	72.19567	76.61463	81.21032	85.98620	90.94576	96.09244	101.42973	106.96107
0.19	67.42268	71.72499	76.20654	80.87100	85.72200	90.76322	95.99830	101.43091	107.06471	112.90335
0.20	70.97124	75.49999	80.21742	85.12736	90.23368	95.54023	101.05084	106.76938	112.69970	118.84563
0.21	74.51980	79.27499	84.22829	89.38373	94.74537	100.31724	106.10338	112.10785	118.33468	124.78791
0.22	78.06836	83.04999	88.23916	93.64010	99.25705	105.09425	111.15592	117.44632	123.96967	130.73019
0.23	81.61692	86.82499	92.25003	97.89647	103.76874	109.87126	116.20847	122.78479	129.60465	136.67247
0.24	85.16548	90.59999	96.26090	102.15284	108.28042	114.64827	121.26101	128.12325	135.23964	142.61475
0.25	88.71405	94.37499	100.27177	106.40921	112.79210	119.42528	126.31355	133.46172	140.87462	148.55704
0.26	92.26261	98.14998	104.28264	110.66557	117.30379	124.20229	131.36609	138.80019	146.50960	154.49932
0.27	95.81117	101.92498	108.29351	114.92194	121.81547	128.97931	136.41863	144.13866	152.14459	160.44160
0.28	99.35973	105.69998	112.30438	119.17831	126.32716	133.75632	141.47117	149.47713	157.77957	166.38388
0.29	102.90829	109.47498	116.31525	123.43468	130.83884	138.53333	146.52372	154.81560	163.41456	172.32616
0.30	106.45685	113.24998	120.32612	127.69105	135.35052	143.31034	151.57626	160.15407	169.04954	178.26844
0.31	110.00542	117.02498	124.33699	131.94741	139.86221	148.08735	156.62880	165.49254	174.68453	184.21072
0.32	113.55398	120.79998	128.34786	136.20378	144.37389	152.86436	161.68134	170.83101	180.31951	190.15301
0.33	117.10254	124.57498	132.35874	140.46015	148.88558	157.64137	166.73389	176.16948	185.95450	196.09529

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO	B/BO
0.34	120.65110	128.34998	136.36961	144.71652	153.39726	162.41839	171.78643	181.50795	191.58948	202.03757
0.35	124.19956	132.12498	140.38048	148.97289	157.90895	167.19540	176.83897	186.84641	197.22447	207.97985
0.36	127.74873	135.89998	144.39135	153.22926	162.42063	171.97241	181.89151	192.18488	202.85945	213.92213
0.37	131.29679	139.67498	148.40222	157.48562	166.93231	176.74942	186.94405	197.52335	208.49444	219.86441
0.38	134.84535	143.44998	152.41309	161.74199	171.44400	181.52643	191.99660	202.86182	214.12942	225.80670
0.39	138.39391	147.22498	156.42396	165.99836	175.95568	186.30344	197.04914	208.20029	219.76441	231.74898
0.40	141.94247	150.99998	160.43483	170.25473	180.46737	191.08045	202.10168	213.53876	225.39939	237.69126
0.41	145.49103	154.77498	164.44570	174.51110	184.97905	195.85747	207.15422	218.87723	231.03438	243.63354
0.42	149.03960	158.54998	168.45657	178.76747	189.49074	200.63448	212.20676	224.21570	236.66936	249.57582
0.43	152.58816	162.32497	172.46744	183.02383	194.00242	205.41149	217.25931	229.55416	242.30434	255.51810
0.44	156.13672	166.09998	176.47831	187.28020	198.51410	210.18850	222.31185	234.89254	247.93933	261.46038
0.45	159.68578	169.87497	180.48918	191.53657	203.02579	214.96551	227.36439	240.23110	253.57431	267.40266
0.46	163.23394	173.64997	184.50006	195.79294	207.53747	219.74252	232.41693	245.56957	259.20930	273.34495
0.47	166.78241	177.42497	188.51093	200.04930	212.04916	224.51953	237.46947	250.90804	264.84428	279.28723
0.48	170.33097	181.19997	192.52180	204.30567	216.56084	229.29655	242.52202	256.24651	270.47927	285.22951
0.49	173.87953	184.97497	196.53267	208.56204	221.07253	234.07356	247.57456	261.58498	276.11425	291.17179
0.50	177.42809	188.74997	200.54354	212.81841	225.58421	238.85057	252.62710	266.92345	281.74924	297.11407
0.51	180.97665	192.52497	204.55441	217.07478	230.09589	243.62758	257.67964	272.26192	287.38422	303.05635
0.52	184.52521	196.29997	208.56528	221.33115	234.60758	248.40459	262.73218	277.60038	293.01921	308.99863
0.53	188.07378	200.07497	212.57615	225.58752	239.11926	253.18160	267.78473	282.93886	298.65419	314.94092
0.54	191.62234	203.84997	216.58702	229.84388	243.63095	257.95861	272.83727	288.27732	304.28918	320.88320
0.55	195.17090	207.62497	220.59789	234.10025	248.14263	262.73562	277.88981	293.61579	309.92416	326.82548
0.56	198.71946	211.39997	224.60876	238.35662	252.65431	267.51263	282.94235	298.95426	315.55915	332.76776
0.57	202.26802	215.17497	228.61963	242.61299	257.16600	272.28965	287.99490	304.29273	321.19413	338.71004
0.58	205.81659	218.94997	232.63050	246.86936	261.67768	277.06666	293.04744	309.63120	326.82912	344.65232
0.59	209.36515	222.72497	236.64137	251.12572	266.18937	281.84367	298.09998	314.96967	332.46410	350.59460
0.60	212.91371	226.49996	240.65224	255.38209	270.70105	286.62068	303.15252	320.30814	338.09908	356.53688
0.61	216.46227	230.27497	244.66312	259.63846	275.21273	291.39769	308.20506	325.64661	343.73407	362.47917
0.62	220.01083	234.04996	248.67399	263.89483	279.72442	296.17470	313.25760	330.98508	349.36906	368.42145
0.63	223.55939	237.82496	252.68486	268.15120	284.23610	300.95171	318.31015	336.32354	355.00404	374.36373



L	5.80	5.90	6.00	6.10	6.20	6.30				
B	B/80	B/80	B/80	B/80	B/80	B/80	B/80	B/80	B/80	B/80
0.	0.	0.	0.	0.	0.	0.				
0.01	6.26055	6.58999	6.93078	7.28313	7.64722	8.02325				
0.02	12.52110	13.17998	13.86157	14.56626	15.29445	16.04650				
0.03	18.78156	19.76997	20.79235	21.84940	22.94167	24.06975				
0.04	25.04271	26.35996	27.72314	29.13253	30.58889	32.09300				
0.05	31.30276	32.94994	34.65392	36.41566	38.23611	40.11625				
0.06	37.56371	39.53993	41.58471	43.69879	45.88334	48.13950				
0.07	43.82387	46.12992	48.51549	50.98192	53.53056	56.16275				
0.08	50.08442	52.71991	55.44628	58.26505	61.17778	64.18600				
0.09	56.34477	59.30990	62.37706	65.54818	68.82500	72.20925				
0.10	62.60552	65.89989	69.30785	72.83132	76.47223	80.23250				
0.11	68.86677	72.48988	76.23863	80.11445	84.11945	88.25575				
0.12	75.12663	79.07987	83.16942	87.39758	91.76667	96.27900				
0.13	81.38718	85.66986	90.10020	94.68071	99.41389	104.30225				
0.14	87.64773	92.25985	97.03098	101.96384	107.06112	112.32550				
0.15	93.90828	98.84983	103.96177	109.24697	114.70834	120.34875				
0.16	100.16884	105.43983	110.89256	116.53011	122.35556	128.37200				
0.17	106.42939	112.02981	117.82334	123.81324	130.00278	136.39525				
0.18	112.68994	118.61980	124.75412	131.09637	137.65001	144.41850				
0.19	118.95049	125.20979	131.68491	138.37950	145.29723	152.44175				
0.20	125.21105	131.79978	138.61569	145.66263	152.94445	160.46499				
0.21	131.47160	138.38977	145.54648	152.94576	160.59167	168.48825				
0.22	137.73215	144.97976	152.47726	160.22890	168.23890	176.51149				
0.23	143.99270	151.56975	159.40805	167.51203	175.88612	184.53474				
0.24	150.25325	158.15974	166.33883	174.79516	183.53334	192.55799				
0.25	156.51381	164.74973	173.26962	182.07829	191.18056	200.58124				
0.26	162.77436	171.33971	180.20040	189.36142	198.82779	208.60449				
0.27	169.03491	177.92970	187.13119	196.64455	206.47501	216.62774				
0.28	175.29546	184.51969	194.06197	203.92768	214.12223	224.65099				
0.29	181.55602	191.10968	200.99276	211.21082	221.76945	232.67424				
0.30	187.81657	197.69967	207.92354	218.49395	229.41668	240.69749				
0.31	194.07712	204.28966	214.85433	225.77708	237.06390	248.72074				
0.32	200.33767	210.87965	221.78511	233.06021	244.71112	256.74399				
0.33	206.59822	217.46964	228.71589	240.34334	252.35835	264.76724				

L	5.80	5.90	6.00	6.10	6.20	6.30				
B	B/80	B/80	B/80	B/80	B/80	B/80	B/80	B/80	B/80	B/80
0.34	212.85878	224.05963	235.64668	247.62648	260.00557	272.79049				
0.35	219.11933	230.64962	242.57747	254.90961	267.65279	280.81374				
0.36	225.37988	237.23961	249.50825	262.19274	275.30001	288.83699				
0.37	231.64043	243.82959	256.43903	269.47587	282.94724	296.86024				
0.38	237.90099	250.41958	263.36982	276.75900	290.59446	304.88349				
0.39	244.16154	257.00957	270.30060	284.04213	298.24168	312.90674				
0.40	250.42209	263.59956	277.23139	291.32527	305.88890	320.92999				
0.41	256.68264	270.18955	284.16217	298.60839	313.53613	328.95324				
0.42	262.94370	276.77954	291.09296	305.89153	321.18335	336.97649				
0.43	269.20375	283.36953	298.02374	313.17466	328.83057	344.99974				
0.44	275.46430	289.95952	304.95452	320.45779	336.47779	353.02299				
0.45	281.72485	296.54950	311.88531	327.74092	344.12502	361.04624				
0.46	287.98540	303.13950	318.81610	335.02406	351.77224	369.06949				
0.47	294.24595	309.72948	325.74688	342.30719	359.41946	377.09274				
0.48	300.50651	316.31947	332.67767	349.59032	367.06668	385.11599				
0.49	306.76706	322.90946	339.60845	356.87345	374.71391	393.13924				
0.50	313.02761	329.49945	346.53923	364.15658	382.36113	401.16249				
0.51	319.28816	336.08944	353.47002	371.43971	390.00835	409.18573				
0.52	325.54871	342.67943	360.40080	378.72284	397.65557	417.20898				
0.53	331.80927	349.26942	367.33159	386.00598	405.30280	425.23224				
0.54	338.06982	355.85941	374.26237	393.28911	412.95002	433.25549				
0.55	344.33037	362.44939	381.19316	400.57224	420.59724	441.27873				
0.56	350.59092	369.03938	388.12394	407.85537	428.24446	449.30198				
0.57	356.85148	375.62938	395.05473	415.13850	435.89169	457.32524				
0.58	363.11203	382.21936	401.98551	422.42163	443.53891	465.34848				
0.59	369.37258	388.80935	408.91629	429.70477	451.18613	473.37173				
0.60	375.63313	395.39934	415.84708	436.98790	458.83335	481.39498				
0.61	381.89369	401.98933	422.77787	444.27103	466.48058	489.41824				
0.62	388.15424	408.57932	429.70865	451.55416	474.12780	497.44148				
0.63	394.41479	415.16931	436.63943	458.83729	481.77502	505.46473				



Table 5

Ratio of Magnetic Field at Invariant Equator to Magnetic  
Field,  $B_o/B$ , as a Function of B and L

$$B_o/B(B, L) = \frac{M}{BL^3}$$

B in Gauss

$B_o/B$  No Units

L in Earth Radii

$M = 0.311653 (\text{Earth-Radii})^3 - \text{Gauss}$

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.04	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.05	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.06	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.07	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.08	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.09	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.92989
0.10	0.	0.	0.	0.	0.	0.	0.	0.	0.92342	0.83691
0.11	0.	0.	0.	0.	0.	0.	0.	0.92934	0.83947	0.76082
0.12	0.	0.	0.	0.	0.	0.	0.94647	0.85190	0.76951	0.69742
0.13	0.	0.	0.	0.	0.	0.97438	0.87366	0.78636	0.71032	0.64377
0.14	0.	0.	0.	0.	0.	0.90478	0.81126	0.73020	0.65958	0.59779
0.15	0.	0.	0.	0.	0.94569	0.84446	0.75717	0.68152	0.61561	0.55794
0.16	0.	0.	0.	0.99729	0.88659	0.79168	0.70985	0.63892	0.57714	0.52307
0.17	0.	0.	0.	0.93863	0.83443	0.74511	0.66810	0.60134	0.54319	0.49230
0.18	0.	0.	0.	0.88648	0.78808	0.70372	0.63098	0.56793	0.51301	0.46495
0.19	0.	0.	0.94924	0.83982	0.74660	0.66668	0.59777	0.53804	0.48601	0.44048
0.20	0.	0.	0.90177	0.79783	0.70927	0.63334	0.56788	0.51114	0.46171	0.41845
0.21	0.	0.97579	0.85883	0.75984	0.67549	0.60319	0.54084	0.48680	0.43972	0.39853
0.22	0.	0.93144	0.81979	0.72530	0.64479	0.57577	0.51626	0.46467	0.41973	0.38041
0.23	0.	0.89094	0.78415	0.69377	0.61676	0.55073	0.49381	0.44447	0.40149	0.36387
0.24	0.97562	0.85382	0.75148	0.66486	0.59106	0.52779	0.47323	0.42595	0.38476	0.34871
0.25	0.93660	0.81967	0.72142	0.63827	0.56742	0.50668	0.45430	0.40891	0.36937	0.33476
0.26	0.90058	0.78814	0.69367	0.61372	0.54559	0.48719	0.43683	0.39318	0.35516	0.32189
0.27	0.86722	0.75895	0.66798	0.59099	0.52538	0.46914	0.42065	0.37862	0.34201	0.30996
0.28	0.83675	0.73185	0.64412	0.56988	0.50662	0.45239	0.40563	0.36510	0.32979	0.29889
0.29	0.80741	0.70661	0.62191	0.55023	0.48915	0.43679	0.39164	0.35251	0.31842	0.28859
0.30	0.78050	0.68306	0.60118	0.53189	0.47285	0.42223	0.37859	0.34076	0.30781	0.27897
0.31	0.75532	0.66102	0.58179	0.51473	0.45759	0.40861	0.36637	0.32977	0.29788	0.26997
0.32	0.73172	0.64037	0.56361	0.49864	0.44329	0.39584	0.35493	0.31946	0.28857	0.26153
0.33	0.70954	0.62096	0.54653	0.48353	0.42986	0.38385	0.34417	0.30978	0.27982	0.25361

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B
0.34	0.68868	0.60270	0.53046	0.46931	0.41722	0.37256	0.33405	0.30067	0.27159	0.24615
0.35	0.66900	0.58548	0.51530	0.45590	0.40530	0.36191	0.32450	0.29208	0.26383	0.23912
0.36	0.65042	0.56921	0.50099	0.44324	0.39404	0.35186	0.31549	0.28397	0.25650	0.23247
0.37	0.63284	0.55383	0.48745	0.43126	0.38339	0.34235	0.30696	0.27629	0.24957	0.22619
0.38	0.61618	0.53926	0.47462	0.41991	0.37330	0.33334	0.29888	0.26902	0.24300	0.22024
0.39	0.60038	0.52543	0.46245	0.40914	0.36373	0.32479	0.29122	0.26212	0.23677	0.21459
0.40	0.58537	0.51229	0.45089	0.39892	0.35463	0.31667	0.28394	0.25557	0.23085	0.20923
0.41	0.57110	0.49980	0.43989	0.38919	0.34599	0.30895	0.27702	0.24934	0.22522	0.20412
0.42	0.55750	0.48790	0.42942	0.37992	0.33775	0.30159	0.27042	0.24340	0.21986	0.19926
0.43	0.54452	0.47655	0.41943	0.37108	0.32989	0.29458	0.26413	0.23774	0.21475	0.19463
0.44	0.53216	0.46572	0.40990	0.36265	0.32240	0.28788	0.25813	0.23234	0.20987	0.19021
0.45	0.52033	0.45537	0.40079	0.35459	0.31523	0.28149	0.25239	0.22717	0.20520	0.18598
0.46	0.50902	0.44547	0.39208	0.34688	0.30838	0.27537	0.24690	0.22223	0.20074	0.18194
0.47	0.49819	0.43599	0.38373	0.33950	0.30182	0.26951	0.24165	0.21751	0.19647	0.17806
0.48	0.48781	0.42691	0.37574	0.33243	0.29553	0.26389	0.23662	0.21297	0.19238	0.17436
0.49	0.47786	0.41820	0.36807	0.32565	0.28950	0.25851	0.23179	0.20863	0.18845	0.17080
0.50	0.46830	0.40983	0.36071	0.31913	0.28371	0.25334	0.22715	0.20445	0.18468	0.16738
0.51	0.45912	0.40180	0.35364	0.31288	0.27814	0.24837	0.22270	0.20045	0.18106	0.16410
0.52	0.45029	0.39407	0.34684	0.30686	0.27280	0.24359	0.21842	0.19659	0.17758	0.16094
0.53	0.44179	0.38664	0.34029	0.30107	0.26765	0.23900	0.21429	0.19288	0.17423	0.15791
0.54	0.43361	0.37948	0.33399	0.29549	0.26269	0.23457	0.21033	0.18931	0.17100	0.15498
0.55	0.42573	0.37258	0.32792	0.29012	0.25792	0.23031	0.20650	0.18587	0.16789	0.15216
0.56	0.41812	0.36592	0.32206	0.28494	0.25331	0.22619	0.20281	0.18255	0.16490	0.14945
0.57	0.41079	0.35950	0.31641	0.27994	0.24887	0.22223	0.19926	0.17935	0.16200	0.14683
0.58	0.40371	0.35331	0.31096	0.27511	0.24458	0.21839	0.19582	0.17625	0.15921	0.14429
0.59	0.39686	0.34732	0.30569	0.27045	0.24043	0.21469	0.19250	0.17327	0.15651	0.14185
0.60	0.39025	0.34153	0.30059	0.26594	0.23642	0.21111	0.18929	0.17038	0.15390	0.13948
0.61	0.38385	0.33593	0.29566	0.26158	0.23255	0.20765	0.18619	0.16759	0.15138	0.13720
0.62	0.37766	0.33051	0.29089	0.25737	0.22880	0.20430	0.18319	0.16488	0.14894	0.13498
0.63	0.37167	0.32526	0.28628	0.25328	0.22516	0.20106	0.18028	0.16227	0.14657	0.13284

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.03	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.04	0.	0.	0.	0.	0.	0.	0.	0.	0.97392	0.90438
0.05	0.	0.	0.	0.	0.	0.98443	0.90874	0.84062	0.77913	0.72350
0.06	0.	0.	0.	0.96918	0.89064	0.82036	0.75728	0.70051	0.64928	0.60292
0.07	0.	0.99111	0.90621	0.83073	0.76341	0.70317	0.64910	0.60044	0.55652	0.51679
0.08	0.95109	0.86722	0.79293	0.72689	0.66798	0.61527	0.56796	0.52538	0.48696	0.45219
0.09	0.84541	0.77086	0.70483	0.64612	0.59376	0.54691	0.50486	0.46701	0.43285	0.40195
0.10	0.76097	0.69378	0.63434	0.58151	0.53438	0.49222	0.45437	0.42031	0.38957	0.36175
0.11	0.69170	0.63071	0.57668	0.52865	0.48580	0.44747	0.41306	0.38210	0.35415	0.32886
0.12	0.63406	0.57815	0.52862	0.48459	0.44532	0.41018	0.37864	0.35026	0.32464	0.30146
0.13	0.58529	0.53367	0.48796	0.44732	0.41106	0.37863	0.34952	0.32331	0.29967	0.27827
0.14	0.54348	0.49555	0.45310	0.41536	0.38170	0.35158	0.32455	0.30022	0.27826	0.25839
0.15	0.50725	0.46252	0.42290	0.38767	0.35626	0.32814	0.30291	0.28021	0.25971	0.24117
0.16	0.47554	0.43361	0.39646	0.36344	0.33399	0.30764	0.28398	0.26269	0.24348	0.22609
0.17	0.44757	0.40810	0.37314	0.34206	0.31434	0.28954	0.26728	0.24724	0.22916	0.21279
0.18	0.42271	0.38543	0.35241	0.32306	0.29688	0.27345	0.25243	0.23350	0.21643	0.20097
0.19	0.40046	0.36515	0.33387	0.30606	0.28125	0.25906	0.23914	0.22121	0.20503	0.19040
0.20	0.38044	0.34689	0.31717	0.29075	0.26719	0.24611	0.22719	0.21015	0.19478	0.18088
0.21	0.36232	0.33037	0.30207	0.27691	0.25447	0.23439	0.21637	0.20015	0.18551	0.17226
0.22	0.34585	0.31535	0.28834	0.26432	0.24290	0.22373	0.20653	0.19105	0.17708	0.16443
0.23	0.33081	0.30164	0.27580	0.25283	0.23234	0.21401	0.19755	0.18274	0.16938	0.15728
0.24	0.31703	0.28907	0.26431	0.24230	0.22266	0.20509	0.18932	0.17513	0.16232	0.15073
0.25	0.30435	0.27751	0.25374	0.23260	0.21375	0.19689	0.18175	0.16812	0.15583	0.14470
0.26	0.29264	0.26684	0.24398	0.22366	0.20553	0.18931	0.17476	0.16166	0.14983	0.13914
0.27	0.28180	0.25695	0.23494	0.21537	0.19792	0.18230	0.16829	0.15567	0.14428	0.13398
0.28	0.27174	0.24778	0.22655	0.20768	0.19085	0.17579	0.16228	0.15011	0.13913	0.12920
0.29	0.26237	0.23923	0.21874	0.20052	0.18427	0.16973	0.15668	0.14493	0.13433	0.12474
0.30	0.25362	0.23126	0.21145	0.19384	0.17813	0.16407	0.15146	0.14010	0.12986	0.12058
0.31	0.24544	0.22380	0.20463	0.18758	0.17238	0.15878	0.14657	0.13558	0.12567	0.11669
0.32	0.23777	0.21681	0.19823	0.18172	0.16700	0.15382	0.14199	0.13135	0.12174	0.11305
0.33	0.23057	0.21024	0.19223	0.17622	0.16193	0.14916	0.13769	0.12737	0.11805	0.10962

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B	BQ/B	BQ/B	BQ/B	BQ/B	BQ/B	BQ/B	BQ/B	BQ/B	BQ/B	BQ/B
0.34	0.22379	0.20405	0.18657	0.17103	0.15717	0.14477	0.13364	0.12362	0.11458	0.10640
0.35	0.21779	0.19822	0.18124	0.16615	0.15268	0.14063	0.12982	0.12009	0.11130	0.10336
0.36	0.21135	0.19272	0.17621	0.16153	0.14844	0.13673	0.12621	0.11675	0.10821	0.10049
0.37	0.20564	0.18751	0.17144	0.15716	0.14443	0.13303	0.12280	0.11360	0.10529	0.09777
0.38	0.20023	0.18257	0.16693	0.15303	0.14063	0.12953	0.11957	0.11061	0.10252	0.09520
0.39	0.19510	0.17789	0.16265	0.14911	0.13702	0.12621	0.11651	0.10777	0.09989	0.09276
0.40	0.19022	0.17344	0.15859	0.14538	0.13360	0.12305	0.11359	0.10508	0.09739	0.09044
0.41	0.18558	0.16921	0.15472	0.14183	0.13034	0.12005	0.11082	0.10251	0.09502	0.08823
0.42	0.18116	0.16518	0.15103	0.13845	0.12723	0.11719	0.10818	0.10007	0.09275	0.08613
0.43	0.17695	0.16134	0.14752	0.13523	0.12428	0.11447	0.10567	0.09775	0.09060	0.08413
0.44	0.17293	0.15768	0.14417	0.13216	0.12145	0.11187	0.10327	0.09552	0.08854	0.08222
0.45	0.16908	0.15417	0.14097	0.12922	0.11875	0.10938	0.10097	0.09340	0.08657	0.08039
0.46	0.16541	0.15082	0.13790	0.12642	0.11617	0.10700	0.09878	0.09137	0.08469	0.07864
0.47	0.16199	0.14761	0.13497	0.12373	0.11370	0.10473	0.09667	0.08943	0.08289	0.07697
0.48	0.15851	0.14454	0.13215	0.12115	0.11133	0.10255	0.09466	0.08756	0.08116	0.07536
0.49	0.15528	0.14159	0.12946	0.11868	0.10906	0.10045	0.09273	0.08578	0.07950	0.07383
0.50	0.15217	0.13876	0.12687	0.11630	0.10688	0.09844	0.09087	0.08406	0.07791	0.07235
0.51	0.14919	0.13603	0.12438	0.11402	0.10478	0.09651	0.08909	0.08241	0.07639	0.07093
0.52	0.14632	0.13342	0.12199	0.11183	0.10277	0.09466	0.08738	0.08083	0.07492	0.06957
0.53	0.14356	0.13090	0.11969	0.10972	0.10083	0.09287	0.08573	0.07930	0.07350	0.06825
0.54	0.14090	0.12848	0.11747	0.10769	0.09896	0.09115	0.08414	0.07783	0.07214	0.06699
0.55	0.13834	0.12614	0.11534	0.10573	0.09716	0.08949	0.08261	0.07642	0.07083	0.06577
0.56	0.13587	0.12389	0.11328	0.10384	0.09543	0.08790	0.08114	0.07505	0.06957	0.06460
0.57	0.13349	0.12172	0.11129	0.10202	0.09375	0.08635	0.07971	0.07374	0.06834	0.06347
0.58	0.13118	0.11962	0.10937	0.10026	0.09214	0.08486	0.07834	0.07247	0.06717	0.06237
0.59	0.12896	0.11759	0.10752	0.09856	0.09057	0.08343	0.07701	0.07124	0.06603	0.06131
0.60	0.12681	0.11563	0.10572	0.09692	0.08906	0.08204	0.07573	0.07005	0.06493	0.06029
0.61	0.12473	0.11373	0.10399	0.09533	0.08760	0.08069	0.07449	0.06890	0.06386	0.05930
0.62	0.12272	0.11190	0.10231	0.09379	0.08619	0.07939	0.07329	0.06779	0.06283	0.05835
0.63	0.12077	0.11012	0.10069	0.09230	0.08482	0.07813	0.07212	0.06672	0.06184	0.05742



L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.02	0.	0.	0.	0.	0.	0.	0.	0.99729	0.88659	0.79168
0.03	0.	0.	0.97562	0.91202	0.85382	0.80047	0.75148	0.66486	0.59106	0.52779
0.04	0.84130	0.78396	0.73172	0.68401	0.64037	0.60035	0.56361	0.49864	0.44329	0.39584
0.05	0.67304	0.62717	0.58537	0.54721	0.51229	0.48028	0.45089	0.39892	0.35463	0.31667
0.06	0.56087	0.52264	0.48781	0.45601	0.42691	0.40024	0.37574	0.33243	0.29553	0.26389
0.07	0.48075	0.44798	0.41812	0.39086	0.36592	0.34306	0.32206	0.28494	0.25331	0.22619
0.08	0.42065	0.39198	0.36586	0.34201	0.32018	0.30018	0.28180	0.24932	0.22165	0.19792
0.09	0.37391	0.34843	0.32521	0.30401	0.28461	0.26682	0.25049	0.22162	0.19702	0.17593
0.10	0.33652	0.31359	0.29269	0.27360	0.25615	0.24014	0.22544	0.19946	0.17732	0.15834
0.11	0.30593	0.28508	0.26608	0.24873	0.23286	0.21831	0.20495	0.18133	0.16120	0.14394
0.12	0.28043	0.26132	0.24391	0.22800	0.21346	0.20012	0.18787	0.16621	0.14776	0.13195
0.13	0.25886	0.24122	0.22514	0.21047	0.19704	0.18472	0.17342	0.15343	0.13640	0.12180
0.14	0.24037	0.22399	0.20906	0.19543	0.18296	0.17153	0.16103	0.14247	0.12666	0.11310
0.15	0.22435	0.20906	0.19512	0.18240	0.17076	0.16009	0.15030	0.13297	0.11821	0.10556
0.16	0.21033	0.19599	0.18293	0.17100	0.16009	0.15009	0.14090	0.12466	0.11082	0.09896
0.17	0.19795	0.18446	0.17217	0.16094	0.15067	0.14126	0.13261	0.11733	0.10430	0.09314
0.18	0.18696	0.17421	0.16260	0.15200	0.14230	0.13341	0.12525	0.11081	0.09851	0.08796
0.19	0.17712	0.16504	0.15405	0.14400	0.13481	0.12639	0.11865	0.10498	0.09332	0.08333
0.20	0.16826	0.15679	0.14634	0.13680	0.12807	0.12007	0.11272	0.09973	0.08866	0.07917
0.21	0.16025	0.14933	0.13937	0.13029	0.12197	0.11435	0.10735	0.09498	0.08444	0.07540
0.22	0.15296	0.14254	0.13304	0.12437	0.11643	0.10916	0.10247	0.09066	0.08060	0.07197
0.23	0.14631	0.13634	0.12726	0.11896	0.11137	0.10441	0.09802	0.08672	0.07709	0.06884
0.24	0.14022	0.13066	0.12195	0.11400	0.10673	0.10006	0.09393	0.08311	0.07388	0.06597
0.25	0.13461	0.12543	0.11707	0.10944	0.10246	0.09606	0.09018	0.07978	0.07093	0.06333
0.26	0.12943	0.12061	0.11257	0.10523	0.09852	0.09236	0.08671	0.07671	0.06820	0.06090
0.27	0.12464	0.11614	0.10840	0.10134	0.09487	0.08894	0.08350	0.07387	0.06567	0.05864
0.28	0.12019	0.11199	0.10453	0.09772	0.09148	0.08576	0.08052	0.07123	0.06333	0.05655
0.29	0.11604	0.10813	0.10093	0.09435	0.08833	0.08281	0.07774	0.06878	0.06114	0.05460
0.30	0.11217	0.10453	0.09756	0.09120	0.08538	0.08005	0.07515	0.06649	0.05911	0.05278
0.31	0.10856	0.10116	0.09442	0.08826	0.08263	0.07747	0.07272	0.06434	0.05720	0.05108
0.32	0.10516	0.09800	0.09146	0.08550	0.08005	0.07504	0.07045	0.06233	0.05541	0.04948
0.33	0.10198	0.09503	0.08869	0.08291	0.07762	0.07277	0.06832	0.06044	0.05373	0.04798

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B
0.34	0.09898	0.09223	0.08608	0.08047	0.07534	0.07063	0.06631	0.05866	0.05215	0.04657
0.35	0.09615	0.08960	0.08362	0.07817	0.07318	0.06861	0.06441	0.05699	0.05066	0.04524
0.36	0.09348	0.08711	0.08130	0.07600	0.07115	0.06671	0.06262	0.05540	0.04925	0.04398
0.37	0.09095	0.08475	0.07910	0.07395	0.06923	0.06490	0.06093	0.05391	0.04792	0.04279
0.38	0.08856	0.08252	0.07702	0.07200	0.06741	0.06320	0.05933	0.05249	0.04666	0.04167
0.39	0.08629	0.08041	0.07505	0.07016	0.06568	0.06157	0.05781	0.05114	0.04547	0.04060
0.40	0.08413	0.07840	0.07317	0.06840	0.06404	0.06004	0.05636	0.04986	0.04433	0.03958
0.41	0.08208	0.07648	0.07139	0.06673	0.06247	0.05857	0.05499	0.04865	0.04325	0.03862
0.42	0.08012	0.07466	0.06969	0.06514	0.06099	0.05718	0.05368	0.04749	0.04222	0.03770
0.43	0.07876	0.07293	0.06807	0.06363	0.05957	0.05585	0.05243	0.04639	0.04124	0.03682
0.44	0.07648	0.07127	0.06652	0.06218	0.05822	0.05458	0.05124	0.04533	0.04030	0.03599
0.45	0.07478	0.06969	0.06504	0.06080	0.05692	0.05336	0.05010	0.04432	0.03940	0.03519
0.46	0.07316	0.06817	0.06363	0.05948	0.05568	0.05220	0.04901	0.04336	0.03855	0.03442
0.47	0.07160	0.06672	0.06227	0.05821	0.05450	0.05109	0.04797	0.04244	0.03773	0.03369
0.48	0.07011	0.06533	0.06098	0.05700	0.05336	0.05003	0.04697	0.04155	0.03694	0.03299
0.49	0.06868	0.06400	0.05973	0.05584	0.05227	0.04901	0.04601	0.04071	0.03619	0.03231
0.50	0.06730	0.06272	0.05854	0.05472	0.05123	0.04803	0.04509	0.03989	0.03546	0.03167
0.51	0.06598	0.06149	0.05739	0.05365	0.05022	0.04709	0.04420	0.03911	0.03477	0.03105
0.52	0.06472	0.06030	0.05629	0.05262	0.04926	0.04618	0.04335	0.03836	0.03410	0.03045
0.53	0.06349	0.05917	0.05522	0.05162	0.04833	0.04531	0.04254	0.03763	0.03346	0.02987
0.54	0.06232	0.05807	0.05420	0.05067	0.04743	0.04447	0.04175	0.03694	0.03284	0.02932
0.55	0.06119	0.05702	0.05322	0.04975	0.04657	0.04366	0.04099	0.03627	0.03224	0.02879
0.56	0.06009	0.05600	0.05227	0.04886	0.04574	0.04288	0.04026	0.03562	0.03166	0.02827
0.57	0.05904	0.05501	0.05135	0.04800	0.04494	0.04213	0.03955	0.03499	0.03111	0.02778
0.58	0.05802	0.05407	0.05046	0.04717	0.04416	0.04140	0.03887	0.03439	0.03057	0.02730
0.59	0.05704	0.05315	0.04961	0.04637	0.04341	0.04070	0.03821	0.03381	0.03005	0.02684
0.60	0.05609	0.05226	0.04878	0.04560	0.04269	0.04002	0.03757	0.03324	0.02955	0.02639
0.61	0.05517	0.05141	0.04798	0.04485	0.04199	0.03937	0.03696	0.03270	0.02907	0.02596
0.62	0.05428	0.05058	0.04721	0.04413	0.04131	0.03873	0.03636	0.03217	0.02860	0.02554
0.63	0.05342	0.04978	0.04646	0.04343	0.04066	0.03812	0.03578	0.03166	0.02815	0.02513

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.	0.	0.	0.	0.95109	0.86722	0.79293	0.72689	0.66798	0.61527
0.02	0.70985	0.63892	0.57714	0.52307	0.47554	0.43361	0.39646	0.36344	0.33399	0.30764
0.03	0.47323	0.42595	0.38476	0.34871	0.31703	0.28907	0.26431	0.24230	0.22266	0.20509
0.04	0.35493	0.31946	0.28857	0.26153	0.23777	0.21681	0.19823	0.18172	0.16700	0.15382
0.05	0.28394	0.25557	0.23085	0.20923	0.19022	0.17344	0.15859	0.14538	0.13360	0.12305
0.06	0.23662	0.21297	0.19238	0.17436	0.15851	0.14454	0.13215	0.12115	0.11133	0.10255
0.07	0.20281	0.18255	0.16490	0.14945	0.13587	0.12389	0.11328	0.10384	0.09543	0.08790
0.08	0.17746	0.15973	0.14428	0.13077	0.11889	0.10840	0.09912	0.09086	0.08350	0.07691
0.09	0.15774	0.14198	0.12825	0.11624	0.10568	0.09636	0.08810	0.08077	0.07422	0.06836
0.10	0.14197	0.12778	0.11543	0.10461	0.09511	0.08672	0.07929	0.07269	0.06680	0.06153
0.11	0.12906	0.11617	0.10493	0.09510	0.08646	0.07884	0.07208	0.06608	0.06073	0.05593
0.12	0.11831	0.10649	0.09619	0.08718	0.07926	0.07227	0.06608	0.06057	0.05567	0.05127
0.13	0.10921	0.09830	0.08879	0.08047	0.07316	0.06671	0.06099	0.05591	0.05138	0.04733
0.14	0.10141	0.09127	0.08245	0.07472	0.06793	0.06194	0.05664	0.05192	0.04771	0.04395
0.15	0.09465	0.08519	0.07695	0.06974	0.06341	0.05781	0.05286	0.04846	0.04453	0.04102
0.16	0.08873	0.07987	0.07214	0.06538	0.05944	0.05420	0.04956	0.04543	0.04175	0.03845
0.17	0.08351	0.07517	0.06790	0.06154	0.05595	0.05101	0.04664	0.04276	0.03929	0.03619
0.18	0.07887	0.07099	0.06413	0.05812	0.05284	0.04818	0.04405	0.04038	0.03711	0.03418
0.19	0.07472	0.06725	0.06075	0.05506	0.05006	0.04564	0.04173	0.03826	0.03516	0.03238
0.20	0.07099	0.06389	0.05771	0.05231	0.04755	0.04336	0.03965	0.03634	0.03340	0.03076
0.21	0.06760	0.06085	0.05497	0.04982	0.04529	0.04130	0.03776	0.03461	0.03181	0.02930
0.22	0.06453	0.05808	0.05247	0.04755	0.04323	0.03942	0.03604	0.03304	0.03036	0.02797
0.23	0.06173	0.05556	0.05019	0.04548	0.04135	0.03771	0.03448	0.03160	0.02904	0.02675
0.24	0.05915	0.05324	0.04809	0.04359	0.03963	0.03613	0.03304	0.03029	0.02783	0.02564
0.25	0.05679	0.05111	0.04617	0.04185	0.03804	0.03469	0.03172	0.02908	0.02672	0.02461
0.26	0.05460	0.04915	0.04440	0.04024	0.03658	0.03335	0.03050	0.02796	0.02569	0.02366
0.27	0.05258	0.04733	0.04275	0.03875	0.03523	0.03212	0.02937	0.02692	0.02474	0.02279
0.28	0.05070	0.04564	0.04122	0.03736	0.03397	0.03097	0.02832	0.02596	0.02386	0.02197
0.29	0.04896	0.04406	0.03980	0.03607	0.03280	0.02990	0.02734	0.02507	0.02303	0.02122
0.30	0.04732	0.04259	0.03848	0.03487	0.03170	0.02891	0.02643	0.02423	0.02227	0.02051
0.31	0.04590	0.04122	0.03723	0.03375	0.03068	0.02797	0.02558	0.02345	0.02155	0.01985
0.32	0.04437	0.03993	0.03607	0.03269	0.02972	0.02710	0.02478	0.02272	0.02087	0.01923
0.33	0.04302	0.03872	0.03498	0.03170	0.02882	0.02628	0.02403	0.02203	0.02024	0.01864

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B
0.34	0.04176	0.03758	0.03395	0.03077	0.02797	0.02551	0.02332	0.02138	0.01965	0.01810
0.35	0.04056	0.03651	0.03298	0.02989	0.02717	0.02478	0.02266	0.02077	0.01909	0.01758
0.36	0.03944	0.03550	0.03206	0.02906	0.02642	0.02409	0.02203	0.02019	0.01856	0.01709
0.37	0.03837	0.03454	0.03120	0.02827	0.02571	0.02344	0.02143	0.01965	0.01805	0.01663
0.38	0.03736	0.03363	0.03038	0.02753	0.02503	0.02282	0.02087	0.01913	0.01758	0.01619
0.39	0.03640	0.03277	0.02960	0.02682	0.02439	0.02224	0.02033	0.01864	0.01713	0.01578
0.40	0.03549	0.03195	0.02886	0.02615	0.02378	0.02168	0.01982	0.01817	0.01670	0.01538
0.41	0.03463	0.03117	0.02815	0.02552	0.02320	0.02115	0.01934	0.01773	0.01629	0.01501
0.42	0.03380	0.03042	0.02748	0.02491	0.02264	0.02065	0.01888	0.01731	0.01590	0.01465
0.43	0.03302	0.02972	0.02684	0.02433	0.02212	0.02017	0.01844	0.01690	0.01553	0.01431
0.44	0.03227	0.02904	0.02623	0.02378	0.02162	0.01971	0.01802	0.01652	0.01518	0.01398
0.45	0.03155	0.02840	0.02565	0.02325	0.02114	0.01927	0.01762	0.01615	0.01484	0.01367
0.46	0.03086	0.02778	0.02509	0.02274	0.02068	0.01885	0.01724	0.01580	0.01452	0.01338
0.47	0.03021	0.02719	0.02456	0.02226	0.02024	0.01845	0.01687	0.01547	0.01421	0.01309
0.48	0.02958	0.02662	0.02405	0.02179	0.01981	0.01807	0.01652	0.01514	0.01392	0.01282
0.49	0.02897	0.02608	0.02356	0.02135	0.01941	0.01770	0.01618	0.01483	0.01363	0.01256
0.50	0.02839	0.02556	0.02309	0.02092	0.01902	0.01734	0.01586	0.01454	0.01336	0.01231
0.51	0.02784	0.02506	0.02263	0.02051	0.01865	0.01700	0.01555	0.01425	0.01310	0.01206
0.52	0.02730	0.02457	0.02220	0.02012	0.01829	0.01668	0.01525	0.01398	0.01285	0.01183
0.53	0.02679	0.02411	0.02178	0.01974	0.01795	0.01636	0.01496	0.01371	0.01260	0.01161
0.54	0.02629	0.02366	0.02138	0.01937	0.01761	0.01606	0.01468	0.01346	0.01237	0.01139
0.55	0.02581	0.02323	0.02099	0.01902	0.01729	0.01577	0.01442	0.01322	0.01215	0.01119
0.56	0.02535	0.02282	0.02061	0.01868	0.01698	0.01549	0.01416	0.01298	0.01193	0.01099
0.57	0.02491	0.02242	0.02025	0.01835	0.01669	0.01521	0.01391	0.01275	0.01172	0.01079
0.58	0.02448	0.02203	0.01990	0.01804	0.01640	0.01495	0.01367	0.01253	0.01152	0.01061
0.59	0.02406	0.02166	0.01956	0.01773	0.01612	0.01470	0.01344	0.01232	0.01132	0.01043
0.60	0.02366	0.02130	0.01924	0.01744	0.01585	0.01445	0.01322	0.01211	0.01113	0.01025
0.61	0.02327	0.02095	0.01892	0.01715	0.01559	0.01422	0.01300	0.01192	0.01095	0.01009
0.62	0.02290	0.02061	0.01862	0.01687	0.01534	0.01399	0.01279	0.01172	0.01077	0.00992
0.63	0.02253	0.02028	0.01832	0.01661	0.01510	0.01377	0.01259	0.01154	0.01060	0.00977

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.56796	0.52538	0.48696	0.45219	0.42065	0.39198	0.36586	0.34201	0.32018	0.30018
0.02	0.28398	0.26269	0.24348	0.22609	0.21033	0.19599	0.18293	0.17100	0.16009	0.15009
0.03	0.18932	0.17513	0.16232	0.15073	0.14022	0.13066	0.12195	0.11400	0.10673	0.10006
0.04	0.14199	0.13135	0.12174	0.11305	0.10516	0.09800	0.09146	0.08550	0.08005	0.07504
0.05	0.11359	0.10508	0.09739	0.09044	0.08413	0.07840	0.07317	0.06840	0.06404	0.06004
0.06	0.09466	0.08756	0.08116	0.07536	0.07011	0.06533	0.06098	0.05700	0.05336	0.05003
0.07	0.08114	0.07505	0.06957	0.06460	0.06009	0.05600	0.05227	0.04886	0.04574	0.04288
0.08	0.07100	0.06567	0.06087	0.05652	0.05258	0.04900	0.04573	0.04275	0.04002	0.03752
0.09	0.06311	0.05838	0.05411	0.05024	0.04674	0.04355	0.04065	0.03800	0.03558	0.03335
0.10	0.05690	0.05254	0.04870	0.04522	0.04207	0.03920	0.03659	0.03420	0.03202	0.03002
0.11	0.05163	0.04776	0.04427	0.04111	0.03824	0.03563	0.03326	0.03109	0.02911	0.02729
0.12	0.04733	0.04378	0.04058	0.03768	0.03505	0.03267	0.03049	0.02850	0.02668	0.02501
0.13	0.04369	0.04041	0.03746	0.03478	0.03236	0.03015	0.02814	0.02631	0.02463	0.02309
0.14	0.04057	0.03753	0.03478	0.03230	0.03005	0.02800	0.02613	0.02443	0.02287	0.02144
0.15	0.03786	0.03503	0.03246	0.03015	0.02804	0.02613	0.02439	0.02280	0.02135	0.02001
0.16	0.03550	0.03284	0.03043	0.02826	0.02629	0.02450	0.02287	0.02138	0.02001	0.01876
0.17	0.03341	0.03090	0.02864	0.02660	0.02474	0.02306	0.02152	0.02012	0.01883	0.01766
0.18	0.03155	0.02919	0.02705	0.02512	0.02337	0.02178	0.02033	0.01900	0.01779	0.01668
0.19	0.02989	0.02765	0.02563	0.02380	0.02214	0.02063	0.01926	0.01800	0.01685	0.01580
0.20	0.02840	0.02627	0.02435	0.02261	0.02103	0.01960	0.01829	0.01710	0.01601	0.01501
0.21	0.02705	0.02502	0.02319	0.02153	0.02003	0.01867	0.01742	0.01629	0.01525	0.01429
0.22	0.02582	0.02388	0.02213	0.02055	0.01912	0.01782	0.01663	0.01555	0.01455	0.01364
0.23	0.02469	0.02284	0.02117	0.01966	0.01829	0.01704	0.01591	0.01487	0.01392	0.01305
0.24	0.02367	0.02189	0.02029	0.01884	0.01753	0.01633	0.01524	0.01425	0.01334	0.01251
0.25	0.02272	0.02102	0.01948	0.01809	0.01683	0.01568	0.01463	0.01368	0.01281	0.01201
0.26	0.02184	0.02021	0.01873	0.01739	0.01618	0.01508	0.01407	0.01315	0.01231	0.01155
0.27	0.02104	0.01946	0.01804	0.01675	0.01558	0.01452	0.01355	0.01267	0.01186	0.01112
0.28	0.02028	0.01876	0.01739	0.01615	0.01502	0.01400	0.01307	0.01221	0.01144	0.01072
0.29	0.01958	0.01812	0.01679	0.01559	0.01451	0.01352	0.01262	0.01179	0.01104	0.01035
0.30	0.01893	0.01751	0.01623	0.01507	0.01402	0.01307	0.01220	0.01140	0.01067	0.01001
0.31	0.01832	0.01695	0.01571	0.01459	0.01357	0.01264	0.01180	0.01103	0.01033	0.00968
0.32	0.01775	0.01642	0.01522	0.01413	0.01315	0.01225	0.01143	0.01069	0.01001	0.00938
0.33	0.01721	0.01592	0.01476	0.01370	0.01275	0.01188	0.01109	0.01036	0.00970	0.00910

L	3.8 <sup>o</sup>	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B
0.34	0.01670	0.01545	0.01432	0.01330	0.01237	0.01153	0.01076	0.01006	0.00942	0.00883
0.35	0.01673	0.01501	0.01391	0.01292	0.01202	0.01120	0.01045	0.00977	0.00915	0.00858
0.36	0.01578	0.01459	0.01353	0.01256	0.01168	0.01089	0.01016	0.00950	0.00889	0.00834
0.37	0.01535	0.01420	0.01316	0.01222	0.01137	0.01059	0.00989	0.00924	0.00865	0.00811
0.38	0.01495	0.01383	0.01281	0.01190	0.01107	0.01032	0.00963	0.00900	0.00843	0.00790
0.39	0.01456	0.01347	0.01249	0.01159	0.01079	0.01005	0.00938	0.00877	0.00821	0.00770
0.40	0.01420	0.01313	0.01217	0.01130	0.01052	0.00980	0.00915	0.00855	0.00800	0.00750
0.41	0.01385	0.01281	0.01188	0.01103	0.01026	0.00956	0.00892	0.00834	0.00781	0.00732
0.42	0.01352	0.01251	0.01159	0.01077	0.01002	0.00933	0.00871	0.00814	0.00762	0.00715
0.43	0.01321	0.01222	0.01132	0.01052	0.00978	0.00912	0.00851	0.00795	0.00745	0.00698
0.44	0.01291	0.01194	0.01107	0.01028	0.00956	0.00891	0.00831	0.00777	0.00728	0.00682
0.45	0.01262	0.01168	0.01082	0.01005	0.00935	0.00871	0.00813	0.00760	0.00712	0.00667
0.46	0.01235	0.01142	0.01059	0.00983	0.00914	0.00852	0.00795	0.00743	0.00696	0.00653
0.47	0.01208	0.01118	0.01036	0.00962	0.00895	0.00834	0.00778	0.00728	0.00681	0.00639
0.48	0.01183	0.01095	0.01014	0.00942	0.00876	0.00817	0.00762	0.00713	0.00667	0.00625
0.49	0.01159	0.01072	0.00994	0.00923	0.00858	0.00800	0.00747	0.00698	0.00653	0.00613
0.50	0.01136	0.01051	0.00974	0.00904	0.00841	0.00784	0.00732	0.00684	0.00640	0.00600
0.51	0.01114	0.01030	0.00955	0.00887	0.00825	0.00769	0.00717	0.00671	0.00628	0.00589
0.52	0.01092	0.01010	0.00936	0.00870	0.00809	0.00754	0.00704	0.00658	0.00616	0.00577
0.53	0.01072	0.00991	0.00919	0.00853	0.00794	0.00740	0.00690	0.00645	0.00604	0.00566
0.54	0.01052	0.00973	0.00902	0.00837	0.00779	0.00726	0.00678	0.00633	0.00593	0.00556
0.55	0.01033	0.00955	0.00885	0.00822	0.00765	0.00713	0.00665	0.00622	0.00582	0.00546
0.56	0.01014	0.00938	0.00870	0.00807	0.00751	0.00700	0.00653	0.00611	0.00572	0.00536
0.57	0.00996	0.00922	0.00854	0.00793	0.00738	0.00688	0.00642	0.00600	0.00562	0.00527
0.58	0.00979	0.00906	0.00840	0.00780	0.00725	0.00676	0.00631	0.00590	0.00552	0.00518
0.59	0.00963	0.00890	0.00825	0.00766	0.00713	0.00664	0.00620	0.00580	0.00543	0.00509
0.60	0.00947	0.00876	0.00812	0.00754	0.00701	0.00653	0.00610	0.00570	0.00534	0.00500
0.61	0.00931	0.00861	0.00798	0.00741	0.00690	0.00643	0.00600	0.00561	0.00525	0.00492
0.62	0.00916	0.00847	0.00785	0.00729	0.00678	0.00632	0.00590	0.00552	0.00516	0.00484
0.63	0.00902	0.00834	0.00773	0.00718	0.00668	0.00622	0.00581	0.00543	0.00508	0.00476

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.28180	0.26490	0.24932	0.23494	0.22165	0.20934	0.19792	0.18732	0.17746	0.16829
0.02	0.14090	0.13245	0.12466	0.11747	0.11082	0.10467	0.09896	0.09366	0.08873	0.08414
0.03	0.09393	0.08830	0.08311	0.07831	0.07388	0.06978	0.06597	0.06244	0.05915	0.05610
0.04	0.07045	0.06623	0.06233	0.05874	0.05541	0.05233	0.04948	0.04683	0.04437	0.04207
0.05	0.05636	0.05298	0.04986	0.04699	0.04433	0.04187	0.03958	0.03746	0.03549	0.03366
0.06	0.04677	0.04415	0.04155	0.03916	0.03694	0.03489	0.03299	0.03122	0.02958	0.02805
0.07	0.04076	0.03784	0.03562	0.03356	0.03166	0.02991	0.02827	0.02676	0.02535	0.02404
0.08	0.03573	0.03311	0.03117	0.02937	0.02771	0.02617	0.02474	0.02341	0.02218	0.02104
0.09	0.03131	0.02943	0.02770	0.02610	0.02463	0.02326	0.02199	0.02081	0.01972	0.01870
0.10	0.02818	0.02649	0.02493	0.02349	0.02216	0.02093	0.01979	0.01873	0.01775	0.01683
0.11	0.02562	0.02408	0.02267	0.02136	0.02015	0.01903	0.01799	0.01703	0.01613	0.01530
0.12	0.02348	0.02208	0.02078	0.01958	0.01847	0.01744	0.01649	0.01561	0.01479	0.01402
0.13	0.02168	0.02038	0.01918	0.01807	0.01705	0.01610	0.01522	0.01441	0.01365	0.01295
0.14	0.02013	0.01892	0.01781	0.01678	0.01583	0.01495	0.01414	0.01338	0.01268	0.01202
0.15	0.01879	0.01766	0.01662	0.01566	0.01478	0.01396	0.01319	0.01249	0.01183	0.01122
0.16	0.01761	0.01656	0.01558	0.01468	0.01385	0.01308	0.01237	0.01171	0.01109	0.01052
0.17	0.01658	0.01558	0.01467	0.01382	0.01304	0.01231	0.01164	0.01102	0.01044	0.00990
0.18	0.01566	0.01472	0.01385	0.01305	0.01231	0.01163	0.01100	0.01041	0.00986	0.00935
0.19	0.01483	0.01394	0.01312	0.01237	0.01167	0.01102	0.01042	0.00986	0.00934	0.00886
0.20	0.01409	0.01325	0.01247	0.01175	0.01108	0.01047	0.00990	0.00937	0.00887	0.00841
0.21	0.01342	0.01261	0.01187	0.01119	0.01055	0.00997	0.00942	0.00892	0.00845	0.00801
0.22	0.01281	0.01204	0.01133	0.01068	0.01007	0.00952	0.00900	0.00851	0.00807	0.00765
0.23	0.01225	0.01152	0.01084	0.01021	0.00964	0.00910	0.00861	0.00814	0.00772	0.00732
0.24	0.01174	0.01104	0.01039	0.00979	0.00924	0.00872	0.00825	0.00780	0.00739	0.00701
0.25	0.01127	0.01060	0.00997	0.00940	0.00887	0.00837	0.00792	0.00749	0.00710	0.00673
0.26	0.01084	0.01019	0.00959	0.00904	0.00852	0.00805	0.00761	0.00720	0.00683	0.00647
0.27	0.01044	0.00981	0.00923	0.00870	0.00821	0.00775	0.00733	0.00694	0.00657	0.00623
0.28	0.01006	0.00946	0.00890	0.00839	0.00792	0.00748	0.00707	0.00669	0.00634	0.00601
0.29	0.00972	0.00913	0.00860	0.00810	0.00764	0.00722	0.00682	0.00646	0.00612	0.00580
0.30	0.00939	0.00883	0.00831	0.00783	0.00739	0.00698	0.00660	0.00624	0.00592	0.00561
0.31	0.00909	0.00855	0.00804	0.00758	0.00715	0.00675	0.00638	0.00604	0.00572	0.00543
0.32	0.00881	0.00828	0.00779	0.00734	0.00693	0.00654	0.00619	0.00585	0.00555	0.00526
0.33	0.00854	0.00803	0.00756	0.00712	0.00672	0.00634	0.00600	0.00568	0.00538	0.00510

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B
0.34	0.00829	0.00779	0.00733	0.00691	0.00652	0.00616	0.00582	0.00551	0.00522	0.00495
0.35	0.00805	0.00757	0.00712	0.00671	0.00633	0.00598	0.00565	0.00535	0.00507	0.00481
0.36	0.00783	0.00736	0.00693	0.00653	0.00616	0.00581	0.00550	0.00520	0.00493	0.00467
0.37	0.00762	0.00716	0.00674	0.00635	0.00599	0.00566	0.00535	0.00506	0.00480	0.00455
0.38	0.00742	0.00697	0.00656	0.00618	0.00583	0.00551	0.00521	0.00493	0.00467	0.00443
0.39	0.00723	0.00679	0.00639	0.00602	0.00568	0.00537	0.00507	0.00480	0.00455	0.00432
0.40	0.00705	0.00662	0.00623	0.00587	0.00554	0.00523	0.00495	0.00468	0.00444	0.00421
0.41	0.00687	0.00646	0.00608	0.00573	0.00541	0.00511	0.00483	0.00457	0.00433	0.00410
0.42	0.00671	0.00631	0.00594	0.00559	0.00528	0.00498	0.00471	0.00446	0.00423	0.00401
0.43	0.00655	0.00616	0.00580	0.00546	0.00515	0.00487	0.00460	0.00436	0.00413	0.00391
0.44	0.00640	0.00602	0.00567	0.00534	0.00504	0.00476	0.00450	0.00426	0.00403	0.00382
0.45	0.00626	0.00589	0.00554	0.00522	0.00493	0.00465	0.00440	0.00416	0.00394	0.00374
0.46	0.00613	0.00576	0.00542	0.00511	0.00482	0.00455	0.00430	0.00407	0.00386	0.00366
0.47	0.00600	0.00564	0.00530	0.00500	0.00472	0.00445	0.00421	0.00399	0.00378	0.00358
0.48	0.00597	0.00552	0.00519	0.00489	0.00462	0.00436	0.00412	0.00390	0.00370	0.00351
0.49	0.00575	0.00541	0.00509	0.00479	0.00452	0.00427	0.00404	0.00382	0.00362	0.00343
0.50	0.00564	0.00530	0.00499	0.00470	0.00443	0.00419	0.00396	0.00375	0.00355	0.00337
0.51	0.00553	0.00519	0.00489	0.00461	0.00435	0.00410	0.00388	0.00367	0.00348	0.00330
0.52	0.00542	0.00509	0.00479	0.00452	0.00426	0.00403	0.00381	0.00360	0.00341	0.00324
0.53	0.00532	0.00500	0.00470	0.00443	0.00418	0.00395	0.00373	0.00353	0.00335	0.00318
0.54	0.00522	0.00491	0.00462	0.00435	0.00410	0.00388	0.00367	0.00347	0.00329	0.00312
0.55	0.00512	0.00482	0.00453	0.00427	0.00403	0.00381	0.00360	0.00341	0.00323	0.00306
0.56	0.00503	0.00473	0.00445	0.00420	0.00396	0.00374	0.00353	0.00334	0.00317	0.00301
0.57	0.00494	0.00465	0.00437	0.00412	0.00389	0.00367	0.00347	0.00329	0.00311	0.00295
0.58	0.00486	0.00457	0.00430	0.00405	0.00382	0.00361	0.00341	0.00323	0.00306	0.00290
0.59	0.00478	0.00449	0.00423	0.00398	0.00376	0.00355	0.00335	0.00317	0.00301	0.00285
0.60	0.00470	0.00442	0.00416	0.00392	0.00369	0.00349	0.00330	0.00312	0.00296	0.00280
0.61	0.00462	0.00434	0.00409	0.00385	0.00363	0.00343	0.00324	0.00307	0.00291	0.00276
0.62	0.00455	0.00427	0.00402	0.00379	0.00357	0.00338	0.00319	0.00302	0.00286	0.00271
0.63	0.00447	0.00420	0.00396	0.00373	0.00352	0.00332	0.00314	0.00297	0.00282	0.00267



L	5.80	5.90	6.00	6.10	6.20	6.30				
B	BO/B	BU/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B	BO/B
0.	0.	0.	0.	0.	0.	0.				
0.01	0.15973	0.15175	0.14428	0.13730	0.13077	0.12464				
0.02	0.07987	0.07587	0.07214	0.06865	0.06538	0.06232				
0.03	0.05374	0.05058	0.04809	0.04577	0.04359	0.04155				
0.04	0.03993	0.03794	0.03607	0.03433	0.03269	0.03116				
0.05	0.03195	0.03035	0.02886	0.02746	0.02615	0.02493				
0.06	0.02662	0.02529	0.02405	0.02288	0.02179	0.02077				
0.07	0.02292	0.02168	0.02061	0.01961	0.01868	0.01781				
0.08	0.01997	0.01897	0.01804	0.01716	0.01635	0.01558				
0.09	0.01775	0.01686	0.01603	0.01526	0.01453	0.01385				
0.10	0.01597	0.01517	0.01443	0.01373	0.01308	0.01246				
0.11	0.01452	0.01380	0.01312	0.01248	0.01189	0.01133				
0.12	0.01331	0.01265	0.01202	0.01144	0.01090	0.01039				
0.13	0.01279	0.01167	0.01110	0.01056	0.01006	0.00959				
0.14	0.01141	0.01084	0.01031	0.00981	0.00934	0.00890				
0.15	0.01065	0.01012	0.00962	0.00915	0.00872	0.00831				
0.16	0.00998	0.00948	0.00902	0.00858	0.00817	0.00779				
0.17	0.00940	0.00893	0.00849	0.00808	0.00769	0.00733				
0.18	0.00887	0.00843	0.00802	0.00763	0.00726	0.00692				
0.19	0.00841	0.00799	0.00759	0.00723	0.00688	0.00656				
0.20	0.00799	0.00759	0.00721	0.00687	0.00654	0.00623				
0.21	0.00751	0.00723	0.00687	0.00654	0.00623	0.00594				
0.22	0.00726	0.00690	0.00656	0.00624	0.00594	0.00567				
0.23	0.00694	0.00660	0.00627	0.00597	0.00569	0.00542				
0.24	0.00666	0.00632	0.00601	0.00572	0.00545	0.00519				
0.25	0.00639	0.00607	0.00577	0.00549	0.00523	0.00499				
0.26	0.00614	0.00584	0.00555	0.00528	0.00503	0.00479				
0.27	0.00592	0.00562	0.00534	0.00509	0.00484	0.00462				
0.28	0.00570	0.00542	0.00515	0.00490	0.00467	0.00445				
0.29	0.00551	0.00523	0.00498	0.00473	0.00451	0.00430				
0.30	0.00532	0.00506	0.00481	0.00458	0.00436	0.00415				
0.31	0.00515	0.00490	0.00465	0.00443	0.00422	0.00402				
0.32	0.00499	0.00474	0.00451	0.00429	0.00409	0.00389				
0.33	0.00484	0.00460	0.00437	0.00416	0.00396	0.00378				

L	5.80	5.90	6.00	6.10	6.20	6.30				
B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B	B0/B
0.34	0.00470	0.00446	0.00424	0.00404	0.00385	0.00367				
0.35	0.00456	0.00434	0.00412	0.00392	0.00374	0.00356				
0.36	0.00444	0.00422	0.00401	0.00381	0.00363	0.00346				
0.37	0.00432	0.00410	0.00390	0.00371	0.00353	0.00337				
0.38	0.00420	0.00399	0.00380	0.00361	0.00344	0.00328				
0.39	0.00410	0.00389	0.00370	0.00352	0.00335	0.00320				
0.40	0.00399	0.00379	0.00361	0.00343	0.00327	0.00312				
0.41	0.00390	0.00370	0.00352	0.00335	0.00319	0.00304				
0.42	0.00380	0.00361	0.00344	0.00327	0.00311	0.00297				
0.43	0.00371	0.00353	0.00336	0.00319	0.00304	0.00290				
0.44	0.00363	0.00345	0.00328	0.00312	0.00297	0.00283				
0.45	0.00355	0.00337	0.00321	0.00305	0.00291	0.00277				
0.46	0.00347	0.00330	0.00314	0.00298	0.00284	0.00271				
0.47	0.00340	0.00323	0.00307	0.00292	0.00278	0.00265				
0.48	0.00333	0.00316	0.00301	0.00286	0.00272	0.00260				
0.49	0.00326	0.00310	0.00294	0.00280	0.00267	0.00254				
0.50	0.00319	0.00303	0.00289	0.00275	0.00262	0.00249				
0.51	0.00313	0.00298	0.00283	0.00269	0.00256	0.00244				
0.52	0.00307	0.00292	0.00277	0.00264	0.00251	0.00240				
0.53	0.00301	0.00286	0.00272	0.00259	0.00247	0.00235				
0.54	0.00296	0.00281	0.00267	0.00254	0.00242	0.00231				
0.55	0.00290	0.00276	0.00262	0.00250	0.00238	0.00227				
0.56	0.00285	0.00271	0.00258	0.00245	0.00234	0.00223				
0.57	0.00280	0.00266	0.00253	0.00241	0.00229	0.00219				
0.58	0.00275	0.00262	0.00249	0.00237	0.00225	0.00215				
0.59	0.00271	0.00257	0.00245	0.00233	0.00222	0.00211				
0.60	0.00266	0.00253	0.00240	0.00229	0.00218	0.00208				
0.61	0.00262	0.00249	0.00237	0.00225	0.00214	0.00204				
0.62	0.00258	0.00245	0.00233	0.00221	0.00211	0.00201				
0.63	0.00254	0.00241	0.00229	0.00218	0.00208	0.00198				



Table 6

Magnetic Field, B, as a Function of x and L

$$B(x, L) = \frac{M}{L^3(1 - x^2)}$$

x No Units

B in Gauss

L in Earth-Radii

M = 0.311653 (Earth-Radii)<sup>3</sup> - Gauss

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
X	B	B	B	B	B	B	B	B	B	B
0.	0.23415	0.20492	0.18035	0.15957	0.14185	0.12667	0.11358	0.10223	0.09234	0.08369
0.01	0.23417	0.20494	0.18037	0.15958	0.14187	0.12668	0.11359	0.10224	0.09235	0.08370
0.02	0.23424	0.20500	0.18043	0.15963	0.14191	0.12672	0.11362	0.10227	0.09238	0.08372
0.03	0.23436	0.20510	0.18052	0.15971	0.14198	0.12678	0.11368	0.10232	0.09242	0.08377
0.04	0.23452	0.20525	0.18064	0.15982	0.14208	0.12687	0.11376	0.10239	0.09249	0.08382
0.05	0.23474	0.20543	0.18081	0.15997	0.14221	0.12699	0.11386	0.10248	0.09257	0.08390
0.06	0.23500	0.20566	0.18101	0.16014	0.14237	0.12713	0.11399	0.10260	0.09268	0.08399
0.07	0.23530	0.20593	0.18124	0.16035	0.14255	0.12729	0.11414	0.10273	0.09280	0.08410
0.08	0.23566	0.20624	0.18152	0.16057	0.14277	0.12748	0.11431	0.10289	0.09294	0.08423
0.09	0.23606	0.20659	0.18183	0.16087	0.14301	0.12770	0.11450	0.10306	0.09310	0.08437
0.10	0.23651	0.20699	0.18218	0.16118	0.14329	0.12795	0.11472	0.10326	0.09327	0.08454
0.11	0.23702	0.20743	0.18256	0.16152	0.14359	0.12822	0.11497	0.10348	0.09347	0.08472
0.12	0.23757	0.20791	0.18299	0.16190	0.14393	0.12852	0.11524	0.10372	0.09369	0.08491
0.13	0.23817	0.20844	0.18346	0.16231	0.14429	0.12885	0.11553	0.10398	0.09393	0.08513
0.14	0.23883	0.20901	0.18396	0.16276	0.14469	0.12920	0.11585	0.10427	0.09419	0.08536
0.15	0.23954	0.20963	0.18451	0.16324	0.14512	0.12958	0.11619	0.10458	0.09447	0.08562
0.16	0.24030	0.21030	0.18509	0.16376	0.14558	0.13000	0.11656	0.10491	0.09477	0.08589
0.17	0.24112	0.21102	0.18572	0.16432	0.14608	0.13044	0.11696	0.10527	0.09509	0.08618
0.18	0.24199	0.21178	0.18639	0.16491	0.14660	0.13091	0.11738	0.10565	0.09543	0.08649
0.19	0.24292	0.21259	0.18711	0.16554	0.14717	0.13141	0.11783	0.10606	0.09580	0.08682
0.20	0.24391	0.21346	0.18787	0.16621	0.14776	0.13195	0.11831	0.10649	0.09619	0.08718
0.21	0.24495	0.21437	0.18868	0.16693	0.14840	0.13251	0.11882	0.10694	0.09660	0.08755
0.22	0.24606	0.21534	0.18953	0.16768	0.14907	0.13311	0.11935	0.10743	0.09704	0.08795
0.23	0.24723	0.21636	0.19043	0.16848	0.14978	0.13374	0.11992	0.10794	0.09750	0.08837
0.24	0.24846	0.21744	0.19138	0.16932	0.15052	0.13441	0.12052	0.10848	0.09799	0.08881
0.25	0.24976	0.21858	0.19238	0.17020	0.15131	0.13511	0.12115	0.10904	0.09850	0.08927
0.26	0.25113	0.21977	0.19343	0.17114	0.15214	0.13585	0.12181	0.10964	0.09904	0.08976
0.27	0.25256	0.22103	0.19454	0.17211	0.15301	0.13663	0.12251	0.11027	0.09960	0.09027
0.28	0.25407	0.22235	0.19570	0.17314	0.15392	0.13744	0.12324	0.11092	0.10020	0.09081
0.29	0.25565	0.22373	0.19692	0.17422	0.15488	0.13830	0.12400	0.11161	0.10082	0.09138
0.30	0.25731	0.22518	0.19819	0.17535	0.15588	0.13920	0.12481	0.11234	0.10147	0.09197
0.31	0.25904	0.22670	0.19953	0.17653	0.15694	0.14014	0.12565	0.11310	0.10216	0.09259
0.32	0.26086	0.22829	0.20093	0.17777	0.15804	0.14112	0.12653	0.11389	0.10288	0.09324
0.33	0.26276	0.22996	0.20240	0.17907	0.15919	0.14215	0.12746	0.11472	0.10363	0.09392

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
X	B	B	B	B	B	B	B	B	B	B
0.34	0.26476	0.23170	0.20393	0.18042	0.16040	0.14323	0.12842	0.11559	0.10441	0.09463
0.35	0.26684	0.23352	0.20553	0.18184	0.16166	0.14435	0.12943	0.11650	0.10523	0.09537
0.36	0.26901	0.23543	0.20721	0.18333	0.16298	0.14553	0.13049	0.11745	0.10609	0.09615
0.37	0.27129	0.23742	0.20896	0.18488	0.16435	0.14676	0.13159	0.11844	0.10699	0.09697
0.38	0.27367	0.23950	0.21079	0.18650	0.16579	0.14805	0.13274	0.11948	0.10793	0.09781
0.39	0.27615	0.24168	0.21271	0.18819	0.16730	0.14939	0.13395	0.12057	0.10891	0.09870
0.40	0.27875	0.24395	0.21471	0.18996	0.16887	0.15080	0.13521	0.12170	0.10993	0.09953
0.41	0.28146	0.24632	0.21680	0.19181	0.17052	0.15226	0.13653	0.12288	0.11100	0.10060
0.42	0.28430	0.24881	0.21898	0.19374	0.17224	0.15380	0.13790	0.12412	0.11212	0.10162
0.43	0.28726	0.25140	0.22127	0.19576	0.17403	0.15540	0.13934	0.12542	0.11329	0.10268
0.44	0.29036	0.25411	0.22365	0.19787	0.17591	0.15708	0.14084	0.12677	0.11451	0.10378
0.45	0.29360	0.25695	0.22615	0.20008	0.17787	0.15883	0.14242	0.12818	0.11579	0.10494
0.46	0.29699	0.25991	0.22876	0.20239	0.17993	0.16067	0.14406	0.12966	0.11713	0.10615
0.47	0.30054	0.26302	0.23149	0.20481	0.18207	0.16258	0.14578	0.13121	0.11852	0.10742
0.48	0.30425	0.26626	0.23435	0.20734	0.18432	0.16459	0.14758	0.13283	0.11999	0.10875
0.49	0.30813	0.26966	0.23734	0.20998	0.18667	0.16669	0.14946	0.13453	0.12152	0.11013
0.50	0.31220	0.27322	0.24047	0.21276	0.18914	0.16889	0.15143	0.13630	0.12312	0.11159
0.51	0.31646	0.27695	0.24376	0.21566	0.19172	0.17120	0.15350	0.13816	0.12480	0.11311
0.52	0.32093	0.28086	0.24720	0.21870	0.19443	0.17361	0.15567	0.14011	0.12656	0.11471
0.53	0.32561	0.28496	0.25081	0.22190	0.19727	0.17615	0.15794	0.14216	0.12841	0.11638
0.54	0.33053	0.28927	0.25459	0.22525	0.20025	0.17881	0.16033	0.14431	0.13035	0.11814
0.55	0.33570	0.29379	0.25857	0.22877	0.20337	0.18160	0.16283	0.14656	0.13239	0.11999
0.56	0.34113	0.29854	0.26275	0.23247	0.20666	0.18454	0.16547	0.14893	0.13453	0.12193
0.57	0.34684	0.30354	0.26715	0.23636	0.21012	0.18763	0.16824	0.15143	0.13678	0.12397
0.58	0.	0.30880	0.27178	0.24046	0.21376	0.19088	0.17115	0.15405	0.13915	0.12612
0.59	0.	0.31434	0.27666	0.24477	0.21760	0.19431	0.17422	0.15681	0.14165	0.12838
0.60	0.	0.32018	0.28180	0.24932	0.22165	0.19792	0.17746	0.15973	0.14428	0.13077
0.61	0.	0.32635	0.28723	0.25413	0.22592	0.20173	0.18088	0.16281	0.14706	0.13329
0.62	0.	0.33287	0.29297	0.25920	0.23043	0.20576	0.18450	0.16606	0.15000	0.13595
0.63	0.	0.33977	0.29905	0.26458	0.23521	0.21003	0.18832	0.16950	0.15311	0.13877
0.64	0.	0.34708	0.30548	0.27027	0.24027	0.21455	0.19237	0.17315	0.15641	0.14175
0.65	0.	0.35483	0.31230	0.27631	0.24563	0.21934	0.19667	0.17702	0.15990	0.14492
0.66	0.	0.36307	0.31955	0.28272	0.25134	0.22443	0.20123	0.18113	0.16361	0.14828
0.67	0.	0.	0.32726	0.28954	0.25740	0.22985	0.20609	0.18550	0.16756	0.15186



L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
X	B	B	B	B	B	B	B	B	B	B
0.	0.07609	0.06938	0.06343	0.05815	0.05344	0.04922	0.04544	0.04203	0.03896	0.03618
0.01	0.07609	0.06938	0.06344	0.05816	0.05344	0.04923	0.04544	0.04203	0.03896	0.03618
0.02	0.07612	0.06941	0.06346	0.05817	0.05346	0.04924	0.04546	0.04205	0.03897	0.03619
0.03	0.07616	0.06944	0.06349	0.05820	0.05349	0.04927	0.04548	0.04207	0.03899	0.03621
0.04	0.07621	0.06949	0.06354	0.05824	0.05352	0.04930	0.04551	0.04210	0.03902	0.03623
0.05	0.07628	0.06955	0.06359	0.05830	0.05357	0.04935	0.04555	0.04214	0.03905	0.03627
0.06	0.07636	0.06963	0.06366	0.05836	0.05363	0.04940	0.04560	0.04218	0.03910	0.03631
0.07	0.07646	0.06972	0.06375	0.05844	0.05370	0.04946	0.04566	0.04224	0.03915	0.03635
0.08	0.07658	0.06982	0.06384	0.05853	0.05378	0.04954	0.04573	0.04230	0.03921	0.03641
0.09	0.07671	0.06994	0.06395	0.05863	0.05387	0.04962	0.04581	0.04237	0.03927	0.03647
0.10	0.07686	0.07008	0.06408	0.05874	0.05398	0.04972	0.04590	0.04246	0.03935	0.03654
0.11	0.07702	0.07023	0.06421	0.05886	0.05409	0.04982	0.04599	0.04255	0.03943	0.03662
0.12	0.07720	0.07039	0.06436	0.05900	0.05422	0.04994	0.04610	0.04264	0.03953	0.03670
0.13	0.07740	0.07057	0.06452	0.05915	0.05436	0.05007	0.04622	0.04275	0.03963	0.03680
0.14	0.07761	0.07076	0.06470	0.05931	0.05451	0.05021	0.04635	0.04287	0.03974	0.03690
0.15	0.07784	0.07097	0.06489	0.05949	0.05467	0.05035	0.04648	0.04300	0.03985	0.03701
0.16	0.07809	0.07120	0.06510	0.05968	0.05484	0.05051	0.04663	0.04314	0.03998	0.03713
0.17	0.07835	0.07144	0.06532	0.05988	0.05503	0.05069	0.04679	0.04328	0.04012	0.03725
0.18	0.07863	0.07170	0.06556	0.06010	0.05523	0.05087	0.04696	0.04344	0.04026	0.03739
0.19	0.07894	0.07198	0.06581	0.06033	0.05544	0.05107	0.04714	0.04360	0.04042	0.03753
0.20	0.07926	0.07227	0.06608	0.06057	0.05567	0.05127	0.04733	0.04378	0.04058	0.03768
0.21	0.07960	0.07258	0.06636	0.06083	0.05590	0.05149	0.04753	0.04397	0.04075	0.03784
0.22	0.07996	0.07291	0.06666	0.06111	0.05616	0.05173	0.04775	0.04417	0.04094	0.03802
0.23	0.08034	0.07325	0.06698	0.06140	0.05642	0.05197	0.04797	0.04438	0.04113	0.03820
0.24	0.08074	0.07362	0.06731	0.06171	0.05670	0.05223	0.04821	0.04460	0.04134	0.03839
0.25	0.08116	0.07400	0.06766	0.06203	0.05700	0.05250	0.04847	0.04483	0.04155	0.03859
0.26	0.08160	0.07441	0.06803	0.06237	0.05731	0.05279	0.04873	0.04508	0.04178	0.03880
0.27	0.08207	0.07483	0.06842	0.06272	0.05764	0.05309	0.04901	0.04534	0.04202	0.03902
0.28	0.08256	0.07528	0.06883	0.06310	0.05798	0.05341	0.04930	0.04561	0.04227	0.03925
0.29	0.08307	0.07575	0.06926	0.06349	0.05835	0.05374	0.04961	0.04589	0.04253	0.03950
0.30	0.08361	0.07624	0.06971	0.06390	0.05872	0.05409	0.04993	0.04619	0.04281	0.03975
0.31	0.08418	0.07675	0.07018	0.06433	0.05912	0.05445	0.05027	0.04650	0.04310	0.04002
0.32	0.08477	0.07729	0.07067	0.06478	0.05953	0.05484	0.05062	0.04683	0.04340	0.04030
0.33	0.08539	0.07786	0.07119	0.06526	0.05997	0.05524	0.05099	0.04717	0.04372	0.04060



L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
X	B	B	B	B	B	B	B	B	B	B
0.34	0.08603	0.07845	0.07173	0.06575	0.06042	0.05566	0.05138	0.04752	0.04405	0.04090
0.35	0.08671	0.07906	0.07229	0.06627	0.06090	0.05609	0.05178	0.04790	0.04440	0.04123
0.36	0.08742	0.07971	0.07288	0.06681	0.06140	0.05655	0.05220	0.04829	0.04476	0.04156
0.37	0.08816	0.08038	0.07350	0.06737	0.06191	0.05703	0.05264	0.04870	0.04514	0.04191
0.38	0.08893	0.08109	0.07414	0.06797	0.06246	0.05753	0.05311	0.04912	0.04553	0.04228
0.39	0.08974	0.08182	0.07481	0.06858	0.06302	0.05805	0.05359	0.04957	0.04594	0.04266
0.40	0.09058	0.08259	0.07552	0.06923	0.06362	0.05860	0.05409	0.05004	0.04638	0.04307
0.41	0.09146	0.08340	0.07625	0.06990	0.06424	0.05917	0.05462	0.05052	0.04683	0.04348
0.42	0.09238	0.08424	0.07702	0.07061	0.06488	0.05976	0.05517	0.05103	0.04730	0.04392
0.43	0.09335	0.08512	0.07782	0.07134	0.06556	0.06039	0.05574	0.05157	0.04779	0.04438
0.44	0.09435	0.08603	0.07866	0.07211	0.06627	0.06104	0.05635	0.05212	0.04831	0.04486
0.45	0.09541	0.08699	0.07954	0.07292	0.06701	0.06172	0.05697	0.05270	0.04885	0.04536
0.46	0.09651	0.08800	0.08046	0.07376	0.06778	0.06243	0.05763	0.05331	0.04941	0.04588
0.47	0.09766	0.08905	0.08142	0.07464	0.06859	0.06318	0.05832	0.05395	0.05000	0.04643
0.48	0.09887	0.09015	0.08243	0.07556	0.06944	0.06396	0.05904	0.05461	0.05062	0.04701
0.49	0.10013	0.09130	0.08348	0.07652	0.07032	0.06477	0.05979	0.05531	0.05127	0.04761
0.50	0.10145	0.09250	0.08458	0.07753	0.07125	0.06563	0.06058	0.05604	0.05194	0.04823
0.51	0.10283	0.09377	0.08573	0.07859	0.07222	0.06652	0.06141	0.05681	0.05265	0.04889
0.52	0.10429	0.09509	0.08694	0.07970	0.07324	0.06746	0.06228	0.05761	0.05339	0.04958
0.53	0.10581	0.09648	0.08821	0.08087	0.07431	0.06845	0.06319	0.05845	0.05417	0.05031
0.54	0.10741	0.09794	0.08955	0.08209	0.07544	0.06948	0.06414	0.05933	0.05499	0.05107
0.55	0.10909	0.09947	0.09095	0.08337	0.07661	0.07057	0.06514	0.06026	0.05585	0.05186
0.56	0.11085	0.10107	0.09242	0.08472	0.07785	0.07171	0.06620	0.06123	0.05675	0.05270
0.57	0.11271	0.10277	0.09396	0.08614	0.07916	0.07291	0.06730	0.06226	0.05770	0.05358
0.58	0.11466	0.10455	0.09559	0.08763	0.08053	0.07417	0.06847	0.06334	0.05870	0.05451
0.59	0.11672	0.10642	0.09731	0.08920	0.08197	0.07550	0.06970	0.06447	0.05976	0.05549
0.60	0.11889	0.10840	0.09912	0.09086	0.08350	0.07691	0.07100	0.06567	0.06087	0.05652
0.61	0.12118	0.11049	0.10103	0.09261	0.08511	0.07839	0.07236	0.06694	0.06204	0.05761
0.62	0.12360	0.11270	0.10304	0.09446	0.08681	0.07996	0.07381	0.06828	0.06328	0.05876
0.63	0.12616	0.11504	0.10518	0.09642	0.08861	0.08161	0.07534	0.06969	0.06459	0.05998
0.64	0.12887	0.11751	0.10744	0.09849	0.09051	0.08337	0.07696	0.07119	0.06598	0.06127
0.65	0.13175	0.12013	0.10984	0.10069	0.09253	0.08523	0.07868	0.07278	0.06746	0.06264
0.66	0.13481	0.12292	0.11239	0.10303	0.09468	0.08721	0.08051	0.07447	0.06902	0.06409
0.67	0.13806	0.12589	0.11510	0.10552	0.09697	0.08932	0.08245	0.07627	0.07059	0.06564

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
X	B	B	B	B	B	B	B	B	B	B
0.68	0.14153	0.12905	0.11800	0.10817	0.09940	0.09156	0.08452	0.07818	0.07246	0.06729
0.69	0.14523	0.13243	0.12108	0.11100	0.10200	0.09395	0.08673	0.08023	0.07436	0.06905
0.70	0.14919	0.13603	0.12438	0.11402	0.10478	0.09651	0.08909	0.08241	0.07639	0.07093
0.71	0.15343	0.13990	0.12792	0.11726	0.10776	0.09926	0.09163	0.08476	0.07856	0.07295
0.72	0.15799	0.14406	0.13172	0.12075	0.11096	0.10220	0.09435	0.08727	0.08089	0.07511
0.73	0.16289	0.14853	0.13580	0.12449	0.11440	0.10538	0.09727	0.08998	0.08340	0.07745
0.74	0.16819	0.15335	0.14022	0.12854	0.11812	0.10880	0.10044	0.09291	0.08611	0.07996
0.75	0.17391	0.15858	0.14499	0.13292	0.12215	0.11251	0.10386	0.09607	0.08904	0.08269
0.76	0.18013	0.16425	0.15018	0.13767	0.12651	0.11653	0.10757	0.09950	0.09223	0.08564
0.77	0.18690	0.17042	0.15582	0.14284	0.13127	0.12091	0.11161	0.10324	0.09569	0.08886
0.78	0.19430	0.17716	0.16199	0.14850	0.13646	0.12569	0.11603	0.10733	0.09948	0.09238
0.79	0.20241	0.18456	0.16875	0.15470	0.14216	0.13094	0.12088	0.11181	0.10364	0.09624
0.80	0.21135	0.19272	0.17621	0.16153	0.14844	0.13673	0.12621	0.11675	0.10821	0.10049
0.81	0.22125	0.20174	0.18446	0.16909	0.15539	0.14313	0.13212	0.12222	0.11328	0.10519
0.82	0.23226	0.21178	0.19363	0.17751	0.16312	0.15025	0.13870	0.12830	0.11892	0.11042
0.83	0.24457	0.22301	0.20390	0.18692	0.17177	0.15822	0.14605	0.13510	0.12522	0.11628
0.84	0.25845	0.23566	0.21547	0.19752	0.18152	0.16719	0.15434	0.14277	0.13233	0.12288
0.85	0.27419	0.25001	0.22859	0.20955	0.19257	0.17738	0.16374	0.15146	0.14038	0.13036
0.86	0.29219	0.26643	0.24360	0.22331	0.20522	0.18902	0.17449	0.16141	0.14960	0.13892
0.87	0.31299	0.28539	0.26094	0.23921	0.21982	0.20247	0.18691	0.17290	0.16025	0.14881
0.88	0.33727	0.30752	0.28118	0.25776	0.23687	0.21818	0.20141	0.18631	0.17268	0.16035
0.89	0.36598	0.33371	0.30512	0.27971	0.25704	0.23676	0.21855	0.20217	0.18738	0.17400
0.90	0.40046	0.36515	0.33386	0.30606	0.28125	0.25906	0.23914	0.22121	0.20503	0.19040
0.91	0.44262	0.40359	0.36902	0.33828	0.31087	0.28634	0.26432	0.24451	0.22662	0.21044
0.92	0.	0.45168	0.41298	0.37859	0.34791	0.32045	0.29581	0.27364	0.25362	0.23551
0.93	0.	0.	0.	0.43043	0.39555	0.36433	0.33632	0.31111	0.28835	0.26777
0.94	0.	0.	0.	0.	0.45909	0.42287	0.39035	0.36109	0.33468	0.31078
0.95	0.	0.	0.	0.	0.	0.	0.46602	0.43108	0.39956	0.37103
0.96	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.46142
0.97	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.98	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.99	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
X	B	B	B	B	B	B	B	B	B	B
0.	0.03365	0.03136	0.02927	0.02736	0.02561	0.02401	0.02254	0.01995	0.01773	0.01583
0.01	0.03366	0.03136	0.02927	0.02736	0.02562	0.02402	0.02255	0.01995	0.01773	0.01584
0.02	0.03367	0.03137	0.02928	0.02737	0.02562	0.02402	0.02255	0.01995	0.01774	0.01584
0.03	0.03368	0.03139	0.02930	0.02739	0.02564	0.02404	0.02256	0.01996	0.01775	0.01585
0.04	0.03371	0.03141	0.02932	0.02740	0.02566	0.02405	0.02258	0.01998	0.01776	0.01586
0.05	0.03374	0.03144	0.02934	0.02743	0.02568	0.02407	0.02260	0.02000	0.01778	0.01587
0.06	0.03377	0.03147	0.02937	0.02746	0.02571	0.02410	0.02263	0.02002	0.01780	0.01589
0.07	0.03382	0.03151	0.02941	0.02750	0.02574	0.02413	0.02266	0.02004	0.01782	0.01591
0.08	0.03387	0.03156	0.02946	0.02754	0.02578	0.02417	0.02269	0.02007	0.01785	0.01594
0.09	0.03393	0.03161	0.02951	0.02758	0.02582	0.02421	0.02273	0.02011	0.01788	0.01596
0.10	0.03399	0.03168	0.02956	0.02764	0.02587	0.02426	0.02277	0.02015	0.01791	0.01599
0.11	0.03406	0.03174	0.02963	0.02770	0.02593	0.02431	0.02282	0.02019	0.01795	0.01603
0.12	0.03414	0.03182	0.02970	0.02776	0.02599	0.02437	0.02287	0.02024	0.01799	0.01606
0.13	0.03423	0.03190	0.02977	0.02783	0.02605	0.02443	0.02293	0.02029	0.01804	0.01611
0.14	0.03432	0.03199	0.02985	0.02791	0.02613	0.02449	0.02300	0.02034	0.01809	0.01615
0.15	0.03443	0.03208	0.02994	0.02799	0.02620	0.02457	0.02306	0.02040	0.01814	0.01620
0.16	0.03454	0.03218	0.03004	0.02808	0.02629	0.02465	0.02314	0.02047	0.01820	0.01625
0.17	0.03465	0.03229	0.03014	0.02817	0.02638	0.02473	0.02322	0.02054	0.01826	0.01630
0.18	0.03478	0.03241	0.03025	0.02828	0.02647	0.02482	0.02330	0.02061	0.01833	0.01636
0.19	0.03491	0.03253	0.03036	0.02839	0.02657	0.02491	0.02339	0.02069	0.01840	0.01643
0.20	0.03505	0.03267	0.03049	0.02850	0.02668	0.02501	0.02348	0.02078	0.01847	0.01649
0.21	0.03520	0.03281	0.03062	0.02862	0.02680	0.02512	0.02358	0.02087	0.01855	0.01656
0.22	0.03536	0.03295	0.03076	0.02875	0.02692	0.02524	0.02369	0.02096	0.01863	0.01664
0.23	0.03553	0.03311	0.03090	0.02889	0.02705	0.02536	0.02380	0.02106	0.01872	0.01672
0.24	0.03571	0.03328	0.03106	0.02903	0.02718	0.02548	0.02392	0.02116	0.01882	0.01680
0.25	0.03590	0.03345	0.03122	0.02918	0.02732	0.02562	0.02405	0.02128	0.01891	0.01689
0.26	0.03609	0.03363	0.03139	0.02934	0.02747	0.02576	0.02418	0.02139	0.01902	0.01698
0.27	0.03630	0.03382	0.03157	0.02951	0.02763	0.02590	0.02432	0.02151	0.01913	0.01708
0.28	0.03651	0.03403	0.03176	0.02969	0.02779	0.02606	0.02446	0.02164	0.01924	0.01718
0.29	0.03674	0.03424	0.03196	0.02987	0.02797	0.02622	0.02461	0.02178	0.01936	0.01729
0.30	0.03698	0.03446	0.03216	0.03007	0.02815	0.02639	0.02477	0.02192	0.01949	0.01740
0.31	0.03723	0.03469	0.03238	0.03027	0.02834	0.02657	0.02494	0.02207	0.01962	0.01752
0.32	0.03749	0.03494	0.03261	0.03048	0.02854	0.02675	0.02512	0.02222	0.01975	0.01764
0.33	0.03776	0.03519	0.03285	0.03070	0.02874	0.02695	0.02530	0.02238	0.01990	0.01777

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
X	B	B	B	B	B	B	B	B	B	B
0.34	0.03805	0.03546	0.03309	0.03094	0.02896	0.02715	0.02549	0.02255	0.02005	0.01790
0.35	0.03835	0.03574	0.03335	0.03118	0.02919	0.02737	0.02569	0.02273	0.02021	0.01804
0.36	0.03866	0.03603	0.03363	0.03143	0.02943	0.02759	0.02590	0.02292	0.02037	0.01819
0.37	0.03899	0.03633	0.03391	0.03170	0.02968	0.02782	0.02612	0.02311	0.02054	0.01835
0.38	0.03933	0.03665	0.03421	0.03198	0.02994	0.02807	0.02635	0.02331	0.02072	0.01851
0.39	0.03969	0.03698	0.03452	0.03227	0.03021	0.02832	0.02659	0.02352	0.02091	0.01867
0.40	0.04006	0.03733	0.03484	0.03257	0.03049	0.02859	0.02684	0.02374	0.02111	0.01885
0.41	0.04045	0.03770	0.03518	0.03289	0.03079	0.02887	0.02710	0.02398	0.02131	0.01903
0.42	0.04086	0.03807	0.03554	0.03322	0.03110	0.02916	0.02737	0.02422	0.02153	0.01922
0.43	0.04129	0.03847	0.03591	0.03357	0.03143	0.02946	0.02766	0.02447	0.02175	0.01943
0.44	0.04173	0.03889	0.03630	0.03393	0.03176	0.02978	0.02796	0.02473	0.02199	0.01963
0.45	0.04220	0.03932	0.03670	0.03431	0.03212	0.03011	0.02827	0.02501	0.02223	0.01985
0.46	0.04268	0.03977	0.03712	0.03470	0.03249	0.03046	0.02860	0.02530	0.02249	0.02008
0.47	0.04319	0.04025	0.03757	0.03512	0.03288	0.03082	0.02894	0.02560	0.02276	0.02032
0.48	0.04373	0.04075	0.03803	0.03555	0.03328	0.03120	0.02929	0.02592	0.02304	0.02057
0.49	0.04429	0.04127	0.03852	0.03601	0.03371	0.03160	0.02967	0.02625	0.02333	0.02084
0.50	0.04487	0.04181	0.03902	0.03648	0.03415	0.03202	0.03006	0.02659	0.02364	0.02111
0.51	0.04548	0.04238	0.03956	0.03698	0.03462	0.03246	0.03047	0.02696	0.02397	0.02140
0.52	0.04612	0.04298	0.04012	0.03750	0.03511	0.03291	0.03090	0.02734	0.02430	0.02170
0.53	0.04680	0.04361	0.04070	0.03805	0.03562	0.03339	0.03135	0.02774	0.02466	0.02202
0.54	0.04750	0.04427	0.04132	0.03862	0.03616	0.03390	0.03182	0.02816	0.02503	0.02235
0.55	0.04825	0.04496	0.04196	0.03923	0.03672	0.03443	0.03232	0.02860	0.02542	0.02270
0.56	0.04903	0.04569	0.04264	0.03986	0.03732	0.03499	0.03284	0.02906	0.02583	0.02307
0.57	0.04985	0.04645	0.04335	0.04053	0.03794	0.03557	0.03339	0.02954	0.02627	0.02345
0.58	0.05071	0.04726	0.04411	0.04123	0.03860	0.03619	0.03397	0.03006	0.02672	0.02386
0.59	0.05162	0.04810	0.04490	0.04197	0.03929	0.03684	0.03458	0.03060	0.02720	0.02429
0.60	0.05258	0.04900	0.04573	0.04275	0.04002	0.03752	0.03523	0.03117	0.02771	0.02474
0.61	0.05359	0.04994	0.04661	0.04357	0.04079	0.03825	0.03590	0.03177	0.02824	0.02522
0.62	0.05467	0.05094	0.04754	0.04445	0.04161	0.03901	0.03662	0.03240	0.02880	0.02572
0.63	0.05580	0.05200	0.04853	0.04537	0.04247	0.03982	0.03738	0.03307	0.02940	0.02625
0.64	0.05700	0.05311	0.04957	0.04634	0.04339	0.04067	0.03818	0.03378	0.03003	0.02682
0.65	0.05827	0.05430	0.05068	0.04738	0.04435	0.04158	0.03904	0.03454	0.03070	0.02742
0.66	0.05962	0.05556	0.05186	0.04848	0.04538	0.04255	0.03994	0.03534	0.03142	0.02805
0.67	0.06106	0.05690	0.05311	0.04965	0.04648	0.04357	0.04091	0.03619	0.03218	0.02873



L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
X	B	B	B	B	B	B	B	B	B	B
0.	0.01420	0.01278	0.01154	0.01046	0.00951	0.00867	0.00793	0.00727	0.00668	0.00615
0.01	0.01420	0.01278	0.01154	0.01046	0.00951	0.00867	0.00793	0.00727	0.00658	0.00615
0.02	0.01420	0.01278	0.01155	0.01047	0.00951	0.00868	0.00793	0.00727	0.00668	0.00616
0.03	0.01421	0.01279	0.01155	0.01047	0.00952	0.00868	0.00794	0.00728	0.00669	0.00616
0.04	0.01422	0.01280	0.01156	0.01048	0.00953	0.00869	0.00794	0.00728	0.00669	0.00616
0.05	0.01423	0.01281	0.01157	0.01049	0.00953	0.00869	0.00795	0.00729	0.00670	0.00617
0.06	0.01425	0.01282	0.01158	0.01050	0.00955	0.00870	0.00796	0.00730	0.00670	0.00617
0.07	0.01427	0.01284	0.01160	0.01051	0.00956	0.00871	0.00797	0.00730	0.00671	0.00618
0.08	0.01429	0.01286	0.01162	0.01053	0.00957	0.00873	0.00798	0.00732	0.00672	0.00619
0.09	0.01431	0.01288	0.01164	0.01055	0.00959	0.00874	0.00799	0.00733	0.00673	0.00620
0.10	0.01434	0.01291	0.01166	0.01057	0.00961	0.00876	0.00801	0.00734	0.00675	0.00621
0.11	0.01437	0.01293	0.01168	0.01059	0.00963	0.00878	0.00803	0.00736	0.00676	0.00623
0.12	0.01440	0.01297	0.01171	0.01061	0.00965	0.00880	0.00805	0.00738	0.00678	0.00624
0.13	0.01444	0.01300	0.01174	0.01064	0.00967	0.00882	0.00807	0.00739	0.00679	0.00626
0.14	0.01448	0.01303	0.01177	0.01067	0.00970	0.00885	0.00809	0.00741	0.00681	0.00628
0.15	0.01452	0.01307	0.01181	0.01070	0.00973	0.00887	0.00811	0.00744	0.00683	0.00629
0.16	0.01457	0.01311	0.01185	0.01074	0.00976	0.00890	0.00814	0.00746	0.00686	0.00631
0.17	0.01462	0.01316	0.01189	0.01077	0.00979	0.00893	0.00817	0.00749	0.00688	0.00634
0.18	0.01467	0.01321	0.01193	0.01081	0.00983	0.00896	0.00819	0.00751	0.00690	0.00636
0.19	0.01473	0.01326	0.01197	0.01085	0.00987	0.00900	0.00823	0.00754	0.00693	0.00638
0.20	0.01479	0.01331	0.01202	0.01090	0.00991	0.00903	0.00826	0.00757	0.00696	0.00641
0.21	0.01485	0.01337	0.01208	0.01094	0.00995	0.00907	0.00830	0.00760	0.00699	0.00644
0.22	0.01492	0.01343	0.01213	0.01099	0.00999	0.00911	0.00833	0.00764	0.00702	0.00647
0.23	0.01499	0.01349	0.01219	0.01105	0.01004	0.00916	0.00837	0.00767	0.00705	0.00650
0.24	0.01506	0.01356	0.01225	0.01110	0.01009	0.00920	0.00841	0.00771	0.00709	0.00653
0.25	0.01514	0.01363	0.01231	0.01116	0.01014	0.00925	0.00846	0.00775	0.00713	0.00656
0.26	0.01523	0.01370	0.01238	0.01122	0.01020	0.00930	0.00850	0.00780	0.00716	0.00660
0.27	0.01531	0.01378	0.01245	0.01128	0.01026	0.00935	0.00855	0.00784	0.00721	0.00664
0.28	0.01540	0.01387	0.01252	0.01135	0.01032	0.00941	0.00860	0.00789	0.00725	0.00668
0.29	0.01550	0.01395	0.01260	0.01142	0.01038	0.00947	0.00866	0.00794	0.00729	0.00672
0.30	0.01560	0.01404	0.01268	0.01150	0.01045	0.00953	0.00871	0.00799	0.00734	0.00676
0.31	0.01571	0.01414	0.01277	0.01157	0.01052	0.00959	0.00877	0.00804	0.00739	0.00681
0.32	0.01582	0.01424	0.01286	0.01165	0.01060	0.00966	0.00883	0.00810	0.00744	0.00685
0.33	0.01593	0.01434	0.01295	0.01174	0.01067	0.00973	0.00890	0.00816	0.00750	0.00690

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
X	B	B	B	B	B	B	B	B	B	B
0.34	0.01605	0.01445	0.01305	0.01183	0.01075	0.00981	0.00897	0.00822	0.00755	0.00696
0.35	0.01618	0.01456	0.01315	0.01192	0.01084	0.00988	0.00904	0.00828	0.00761	0.00701
0.36	0.01631	0.01468	0.01326	0.01202	0.01093	0.00996	0.00911	0.00835	0.00767	0.00707
0.37	0.01645	0.01481	0.01337	0.01212	0.01102	0.01005	0.00919	0.00842	0.00774	0.00713
0.38	0.01659	0.01494	0.01349	0.01223	0.01112	0.01014	0.00927	0.00850	0.00781	0.00719
0.39	0.01674	0.01507	0.01361	0.01234	0.01122	0.01023	0.00935	0.00857	0.00788	0.00726
0.40	0.01690	0.01521	0.01374	0.01245	0.01132	0.01032	0.00944	0.00865	0.00795	0.00732
0.41	0.01707	0.01536	0.01388	0.01258	0.01143	0.01042	0.00953	0.00874	0.00803	0.00740
0.42	0.01724	0.01552	0.01401	0.01270	0.01155	0.01053	0.00963	0.00883	0.00811	0.00747
0.43	0.01742	0.01568	0.01416	0.01283	0.01167	0.01064	0.00973	0.00892	0.00820	0.00755
0.44	0.01761	0.01585	0.01431	0.01297	0.01179	0.01075	0.00983	0.00901	0.00828	0.00763
0.45	0.01780	0.01602	0.01447	0.01312	0.01193	0.01087	0.00994	0.00911	0.00838	0.00771
0.46	0.01801	0.01621	0.01464	0.01327	0.01206	0.01100	0.01006	0.00922	0.00847	0.00780
0.47	0.01822	0.01640	0.01482	0.01343	0.01221	0.01113	0.01018	0.00933	0.00857	0.00790
0.48	0.01845	0.01660	0.01500	0.01359	0.01236	0.01127	0.01030	0.00944	0.00868	0.00799
0.49	0.01868	0.01682	0.01519	0.01377	0.01252	0.01141	0.01043	0.00957	0.00879	0.00810
0.50	0.01893	0.01704	0.01539	0.01395	0.01268	0.01156	0.01057	0.00969	0.00891	0.00820
0.51	0.01919	0.01727	0.01560	0.01414	0.01285	0.01172	0.01072	0.00982	0.00903	0.00832
0.52	0.01946	0.01751	0.01582	0.01434	0.01304	0.01189	0.01087	0.00996	0.00916	0.00843
0.53	0.01974	0.01777	0.01605	0.01455	0.01323	0.01206	0.01103	0.01011	0.00929	0.00856
0.54	0.02004	0.01804	0.01629	0.01477	0.01343	0.01224	0.01119	0.01026	0.00943	0.00869
0.55	0.02035	0.01832	0.01655	0.01500	0.01364	0.01243	0.01137	0.01042	0.00958	0.00882
0.56	0.02068	0.01862	0.01682	0.01524	0.01386	0.01263	0.01155	0.01059	0.00973	0.00896
0.57	0.02103	0.01893	0.01710	0.01550	0.01409	0.01285	0.01175	0.01077	0.00989	0.00911
0.58	0.02139	0.01926	0.01739	0.01576	0.01433	0.01307	0.01195	0.01095	0.01007	0.00927
0.59	0.02178	0.01960	0.01771	0.01605	0.01459	0.01330	0.01216	0.01115	0.01025	0.00944
0.60	0.02218	0.01997	0.01804	0.01635	0.01486	0.01355	0.01239	0.01136	0.01044	0.00961
0.61	0.02261	0.02035	0.01838	0.01666	0.01515	0.01381	0.01263	0.01158	0.01064	0.00980
0.62	0.02306	0.02076	0.01875	0.01699	0.01545	0.01409	0.01288	0.01181	0.01085	0.00999
0.63	0.02354	0.02119	0.01914	0.01735	0.01577	0.01438	0.01315	0.01205	0.01108	0.01020
0.64	0.02405	0.02164	0.01955	0.01772	0.01611	0.01469	0.01343	0.01231	0.01131	0.01042
0.65	0.02458	0.02213	0.01999	0.01811	0.01647	0.01502	0.01373	0.01259	0.01157	0.01065
0.66	0.02515	0.02264	0.02045	0.01854	0.01685	0.01537	0.01405	0.01288	0.01184	0.01090
0.67	0.02576	0.02319	0.02094	0.01898	0.01726	0.01574	0.01439	0.01319	0.01212	0.01116

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
X	B	B	B	F	B	B	B	B	B	B
0.68	0.02641	0.02377	0.02147	0.01946	0.01769	0.01613	0.01475	0.01352	0.01243	0.01144
0.69	0.02710	0.02439	0.02203	0.01997	0.01815	0.01655	0.01514	0.01387	0.01275	0.01174
0.70	0.02784	0.02506	0.02263	0.02051	0.01865	0.01700	0.01555	0.01425	0.01310	0.01206
0.71	0.02863	0.02577	0.02329	0.02110	0.01918	0.01749	0.01599	0.01466	0.01347	0.01241
0.72	0.02948	0.02653	0.02397	0.02172	0.01975	0.01801	0.01646	0.01509	0.01387	0.01278
0.73	0.03039	0.02736	0.02471	0.02240	0.02036	0.01857	0.01698	0.01556	0.01430	0.01317
0.74	0.03138	0.02825	0.02551	0.02312	0.02102	0.01917	0.01753	0.01607	0.01477	0.01360
0.75	0.03245	0.02921	0.02638	0.02391	0.02174	0.01982	0.01812	0.01661	0.01527	0.01406
0.76	0.03361	0.03025	0.02733	0.02477	0.02257	0.02053	0.01877	0.01721	0.01581	0.01457
0.77	0.03487	0.03139	0.02835	0.02570	0.02336	0.02130	0.01948	0.01786	0.01641	0.01511
0.78	0.03625	0.03263	0.02948	0.02671	0.02429	0.02215	0.02025	0.01856	0.01706	0.01571
0.79	0.03777	0.03399	0.03071	0.02783	0.02530	0.02307	0.02109	0.01934	0.01777	0.01637
0.80	0.03944	0.03550	0.03206	0.02906	0.02642	0.02409	0.02203	0.02019	0.01856	0.01709
0.81	0.04128	0.03716	0.03356	0.03042	0.02766	0.02522	0.02306	0.02114	0.01942	0.01789
0.82	0.04334	0.03901	0.03523	0.03193	0.02903	0.02647	0.02420	0.02219	0.02039	0.01878
0.83	0.04563	0.04107	0.03710	0.03363	0.03057	0.02788	0.02549	0.02337	0.02147	0.01978
0.84	0.04822	0.04340	0.03921	0.03553	0.03231	0.02946	0.02693	0.02469	0.02269	0.02090
0.85	0.05116	0.04605	0.04160	0.03770	0.03427	0.03125	0.02857	0.02619	0.02407	0.02217
0.86	0.05452	0.04907	0.04433	0.04017	0.03652	0.03330	0.03045	0.02791	0.02555	0.02363
0.87	0.05840	0.05256	0.04748	0.04303	0.03912	0.03567	0.03262	0.02990	0.02748	0.02531
0.88	0.06293	0.05664	0.05116	0.04637	0.04216	0.03844	0.03515	0.03222	0.02961	0.02727
0.89	0.06829	0.06146	0.05552	0.05032	0.04575	0.04171	0.03814	0.03496	0.03213	0.02959
0.90	0.07472	0.06725	0.06075	0.05506	0.05006	0.04564	0.04173	0.03826	0.03516	0.03238
0.91	0.08259	0.07434	0.06715	0.06086	0.05533	0.05045	0.04613	0.04229	0.03886	0.03579
0.92	0.09243	0.08319	0.07515	0.06811	0.06192	0.05646	0.05162	0.04732	0.04349	0.04006
0.93	0.10509	0.09458	0.08544	0.07743	0.07040	0.06419	0.05869	0.05380	0.04944	0.04554
0.94	0.12197	0.10978	0.09916	0.08987	0.08171	0.07450	0.06812	0.06245	0.05739	0.05286
0.95	0.14561	0.13106	0.11839	0.10730	0.09755	0.08895	0.08133	0.07455	0.06851	0.06310
0.96	0.18108	0.16299	0.14723	0.13344	0.12131	0.11061	0.10114	0.09272	0.08520	0.07848
0.97	0.24022	0.21622	0.19531	0.17701	0.16093	0.14674	0.13417	0.12299	0.11303	0.10411
0.98	0.35851	0.32269	0.29148	0.26417	0.24017	0.21899	0.20023	0.18356	0.16868	0.15537
0.99	0.	0.	0.	0.52569	0.47793	0.43579	0.39846	0.36527	0.33567	0.30918



L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
X	b	B	B	B	B	B	B	B	B	B
0.	0.00568	0.00525	0.00487	0.00452	0.00421	0.00392	0.00366	0.00342	0.00320	0.00300
0.01	0.00568	0.00525	0.00487	0.00452	0.00421	0.00392	0.00366	0.00342	0.00320	0.00300
0.02	0.00568	0.00526	0.00487	0.00452	0.00421	0.00392	0.00366	0.00342	0.00320	0.00300
0.03	0.00568	0.00526	0.00487	0.00453	0.00421	0.00392	0.00366	0.00342	0.00320	0.00300
0.04	0.00569	0.00526	0.00488	0.00453	0.00421	0.00393	0.00366	0.00343	0.00321	0.00301
0.05	0.00569	0.00527	0.00488	0.00453	0.00422	0.00393	0.00367	0.00343	0.00321	0.00301
0.06	0.00570	0.00527	0.00489	0.00454	0.00422	0.00393	0.00367	0.00343	0.00321	0.00301
0.07	0.00571	0.00528	0.00489	0.00454	0.00423	0.00394	0.00368	0.00344	0.00322	0.00302
0.08	0.00572	0.00529	0.00490	0.00455	0.00423	0.00395	0.00368	0.00344	0.00322	0.00302
0.09	0.00573	0.00530	0.00491	0.00456	0.00424	0.00395	0.00369	0.00345	0.00323	0.00303
0.10	0.00574	0.00531	0.00492	0.00457	0.00425	0.00396	0.00370	0.00345	0.00323	0.00303
0.11	0.00575	0.00532	0.00493	0.00458	0.00426	0.00397	0.00370	0.00346	0.00324	0.00304
0.12	0.00576	0.00533	0.00494	0.00459	0.00427	0.00398	0.00371	0.00347	0.00325	0.00305
0.13	0.00578	0.00534	0.00495	0.00460	0.00428	0.00399	0.00372	0.00348	0.00326	0.00305
0.14	0.00579	0.00536	0.00497	0.00461	0.00429	0.00400	0.00373	0.00349	0.00327	0.00306
0.15	0.00581	0.00537	0.00498	0.00463	0.00430	0.00401	0.00374	0.00350	0.00328	0.00307
0.16	0.00583	0.00539	0.00500	0.00464	0.00432	0.00402	0.00375	0.00351	0.00329	0.00308
0.17	0.00585	0.00541	0.00501	0.00466	0.00433	0.00404	0.00377	0.00352	0.00330	0.00309
0.18	0.00587	0.00543	0.00503	0.00467	0.00435	0.00405	0.00378	0.00353	0.00331	0.00310
0.19	0.00589	0.00545	0.00505	0.00469	0.00436	0.00407	0.00380	0.00355	0.00332	0.00311
0.20	0.00592	0.00547	0.00507	0.00471	0.00438	0.00408	0.00381	0.00356	0.00334	0.00313
0.21	0.00594	0.00550	0.00509	0.00473	0.00440	0.00410	0.00383	0.00358	0.00335	0.00314
0.22	0.00597	0.00552	0.00512	0.00475	0.00442	0.00412	0.00384	0.00359	0.00336	0.00315
0.23	0.00600	0.00555	0.00514	0.00477	0.00444	0.00414	0.00386	0.00361	0.00338	0.00317
0.24	0.00603	0.00557	0.00517	0.00480	0.00446	0.00416	0.00388	0.00363	0.00340	0.00319
0.25	0.00606	0.00560	0.00519	0.00482	0.00449	0.00418	0.00390	0.00365	0.00342	0.00320
0.26	0.00609	0.00563	0.00522	0.00485	0.00451	0.00420	0.00392	0.00367	0.00343	0.00322
0.27	0.00613	0.00567	0.00525	0.00488	0.00454	0.00423	0.00395	0.00369	0.00345	0.00324
0.28	0.00616	0.00570	0.00528	0.00491	0.00456	0.00425	0.00397	0.00371	0.00347	0.00326
0.29	0.00620	0.00574	0.00532	0.00494	0.00459	0.00428	0.00399	0.00373	0.00350	0.00328
0.30	0.00624	0.00577	0.00535	0.00497	0.00462	0.00431	0.00402	0.00376	0.00352	0.00330
0.31	0.00628	0.00581	0.00539	0.00500	0.00465	0.00434	0.00405	0.00378	0.00354	0.00332
0.32	0.00633	0.00585	0.00543	0.00504	0.00469	0.00437	0.00408	0.00381	0.00357	0.00334
0.33	0.00637	0.00590	0.00546	0.00507	0.00472	0.00440	0.00411	0.00384	0.00359	0.00337

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
X	B	B	B	B	B	B	B	B	B	B
0.34	0.00642	0.00594	0.00551	0.00511	0.00476	0.00443	0.00414	0.00387	0.00362	0.00339
0.35	0.00647	0.00599	0.00555	0.00515	0.00479	0.00447	0.00417	0.00390	0.00365	0.00342
0.36	0.00653	0.00604	0.00559	0.00520	0.00483	0.00450	0.00420	0.00393	0.00368	0.00345
0.37	0.00658	0.00609	0.00564	0.00524	0.00487	0.00454	0.00424	0.00396	0.00371	0.00348
0.38	0.00664	0.00614	0.00569	0.00529	0.00492	0.00458	0.00428	0.00400	0.00374	0.00351
0.39	0.00670	0.00620	0.00574	0.00533	0.00496	0.00462	0.00431	0.00403	0.00378	0.00354
0.40	0.00676	0.00625	0.00580	0.00538	0.00501	0.00467	0.00436	0.00407	0.00381	0.00357
0.41	0.00683	0.00632	0.00585	0.00544	0.00506	0.00471	0.00440	0.00411	0.00385	0.00361
0.42	0.00690	0.00638	0.00591	0.00549	0.00511	0.00476	0.00444	0.00415	0.00389	0.00364
0.43	0.00697	0.00645	0.00597	0.00555	0.00516	0.00481	0.00449	0.00420	0.00393	0.00368
0.44	0.00704	0.00652	0.00604	0.00561	0.00522	0.00486	0.00454	0.00424	0.00397	0.00372
0.45	0.00712	0.00659	0.00611	0.00567	0.00527	0.00492	0.00459	0.00429	0.00401	0.00376
0.46	0.00720	0.00666	0.00618	0.00574	0.00534	0.00497	0.00464	0.00434	0.00406	0.00381
0.47	0.00729	0.00674	0.00625	0.00580	0.00540	0.00503	0.00470	0.00439	0.00411	0.00385
0.48	0.00738	0.00683	0.00633	0.00588	0.00547	0.00509	0.00475	0.00444	0.00416	0.00390
0.49	0.00747	0.00691	0.00641	0.00595	0.00554	0.00516	0.00481	0.00450	0.00421	0.00395
0.50	0.00757	0.00701	0.00649	0.00603	0.00561	0.00523	0.00488	0.00456	0.00427	0.00400
0.51	0.00768	0.00710	0.00658	0.00611	0.00569	0.00530	0.00494	0.00462	0.00433	0.00406
0.52	0.00778	0.00720	0.00667	0.00620	0.00577	0.00537	0.00501	0.00469	0.00439	0.00411
0.53	0.00790	0.00731	0.00677	0.00629	0.00585	0.00545	0.00509	0.00476	0.00445	0.00417
0.54	0.00802	0.00742	0.00687	0.00638	0.00594	0.00553	0.00516	0.00483	0.00452	0.00424
0.55	0.00814	0.00753	0.00698	0.00648	0.00603	0.00562	0.00525	0.00490	0.00459	0.00430
0.56	0.00827	0.00765	0.00709	0.00659	0.00613	0.00571	0.00533	0.00498	0.00466	0.00437
0.57	0.00841	0.00778	0.00721	0.00670	0.00623	0.00581	0.00542	0.00507	0.00474	0.00445
0.58	0.00856	0.00792	0.00734	0.00681	0.00634	0.00591	0.00551	0.00515	0.00482	0.00452
0.59	0.00871	0.00806	0.00747	0.00694	0.00645	0.00601	0.00561	0.00525	0.00491	0.00460
0.60	0.00887	0.00821	0.00761	0.00707	0.00657	0.00612	0.00572	0.00534	0.00500	0.00469
0.61	0.00905	0.00837	0.00776	0.00720	0.00670	0.00624	0.00583	0.00545	0.00510	0.00478
0.62	0.00923	0.00853	0.00791	0.00735	0.00683	0.00637	0.00594	0.00556	0.00520	0.00488
0.63	0.00942	0.00871	0.00807	0.00750	0.00697	0.00650	0.00607	0.00567	0.00531	0.00498
0.64	0.00962	0.00890	0.00825	0.00766	0.00712	0.00664	0.00620	0.00579	0.00542	0.00508
0.65	0.00983	0.00910	0.00843	0.00783	0.00728	0.00679	0.00634	0.00592	0.00554	0.00520
0.66	0.01006	0.00931	0.00863	0.00801	0.00745	0.00695	0.00648	0.00606	0.00567	0.00532
0.67	0.01031	0.00953	0.00884	0.00821	0.00763	0.00711	0.00664	0.00621	0.00581	0.00545

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
X	B	B	B	B	B	B	B	B	B	B
0.68	0.01056	0.00977	0.00906	0.00841	0.00782	0.00729	0.00681	0.00636	0.00596	0.00558
0.69	0.01084	0.01003	0.00929	0.00863	0.00803	0.00748	0.00698	0.00653	0.00611	0.00573
0.70	0.01114	0.01030	0.00955	0.00887	0.00825	0.00769	0.00717	0.00671	0.00628	0.00589
0.71	0.01145	0.01059	0.00982	0.00912	0.00848	0.00790	0.00738	0.00690	0.00646	0.00605
0.72	0.01179	0.01091	0.01011	0.00939	0.00873	0.00814	0.00760	0.00710	0.00665	0.00623
0.73	0.01216	0.01125	0.01043	0.00968	0.00901	0.00839	0.00783	0.00732	0.00685	0.00643
0.74	0.01255	0.01161	0.01076	0.01000	0.00930	0.00866	0.00809	0.00756	0.00708	0.00664
0.75	0.01298	0.01201	0.01113	0.01034	0.00961	0.00896	0.00836	0.00782	0.00732	0.00686
0.76	0.01345	0.01244	0.01153	0.01071	0.00996	0.00928	0.00866	0.00810	0.00758	0.00711
0.77	0.01395	0.01291	0.01196	0.01111	0.01033	0.00963	0.00899	0.00840	0.00786	0.00737
0.78	0.01450	0.01342	0.01244	0.01155	0.01074	0.01001	0.00934	0.00873	0.00818	0.00767
0.79	0.01511	0.01398	0.01295	0.01203	0.01119	0.01043	0.00973	0.00910	0.00852	0.00799
0.80	0.01578	0.01459	0.01353	0.01256	0.01168	0.01089	0.01016	0.00950	0.00889	0.00834
0.81	0.01652	0.01528	0.01416	0.01315	0.01223	0.01140	0.01064	0.00994	0.00931	0.00873
0.82	0.01734	0.01604	0.01486	0.01380	0.01284	0.01197	0.01117	0.01044	0.00977	0.00916
0.83	0.01826	0.01689	0.01565	0.01454	0.01352	0.01260	0.01176	0.01099	0.01029	0.00965
0.84	0.01929	0.01785	0.01654	0.01536	0.01429	0.01331	0.01243	0.01162	0.01088	0.01020
0.85	0.02047	0.01893	0.01755	0.01630	0.01516	0.01413	0.01318	0.01232	0.01154	0.01082
0.86	0.02181	0.02018	0.01870	0.01737	0.01615	0.01505	0.01405	0.01313	0.01230	0.01153
0.87	0.02336	0.02161	0.02003	0.01860	0.01730	0.01612	0.01505	0.01407	0.01317	0.01235
0.88	0.02518	0.02329	0.02159	0.02004	0.01865	0.01738	0.01622	0.01516	0.01419	0.01331
0.89	0.02732	0.02527	0.02342	0.02175	0.02023	0.01885	0.01760	0.01645	0.01540	0.01444
0.90	0.02989	0.02765	0.02563	0.02380	0.02214	0.02063	0.01926	0.01800	0.01685	0.01580
0.91	0.03304	0.03056	0.02833	0.02631	0.02447	0.02280	0.02128	0.01990	0.01863	0.01746
0.92	0.03698	0.03420	0.03170	0.02944	0.02739	0.02552	0.02382	0.02227	0.02085	0.01954
0.93	0.04204	0.03889	0.03604	0.03347	0.03114	0.02901	0.02708	0.02532	0.02370	0.02222
0.94	0.04879	0.04514	0.04183	0.03885	0.03614	0.03368	0.03143	0.02938	0.02751	0.02579
0.95	0.05825	0.05389	0.04994	0.04638	0.04314	0.04020	0.03752	0.03508	0.03284	0.03079
0.96	0.07244	0.06701	0.06211	0.05768	0.05365	0.05000	0.04667	0.04362	0.04084	0.03829
0.97	0.09610	0.08890	0.08240	0.07651	0.07118	0.06633	0.06190	0.05787	0.05418	0.05079
0.98	0.14343	0.13267	0.12297	0.11419	0.10623	0.09899	0.09239	0.08637	0.08085	0.07580
0.99	0.28541	0.26401	0.24470	0.22723	0.21138	0.19698	0.18385	0.17186	0.16090	0.15084

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
X	B	B	B	B	H	B	B	B	B	B
0.	0.00282	0.00265	0.00249	0.00235	0.00222	0.00209	0.00198	0.00187	0.00177	0.00168
0.01	0.00282	0.00265	0.00249	0.00235	0.00222	0.00209	0.00198	0.00187	0.00177	0.00168
0.02	0.00282	0.00265	0.00249	0.00235	0.00222	0.00209	0.00198	0.00187	0.00178	0.00168
0.03	0.00282	0.00265	0.00250	0.00235	0.00222	0.00210	0.00198	0.00187	0.00178	0.00168
0.04	0.00282	0.00265	0.00250	0.00235	0.00222	0.00210	0.00198	0.00188	0.00178	0.00169
0.05	0.00283	0.00266	0.00250	0.00236	0.00222	0.00210	0.00198	0.00188	0.00178	0.00169
0.06	0.00283	0.00266	0.00250	0.00236	0.00222	0.00210	0.00199	0.00188	0.00178	0.00169
0.07	0.00283	0.00266	0.00251	0.00236	0.00223	0.00210	0.00199	0.00188	0.00178	0.00169
0.08	0.00284	0.00267	0.00251	0.00236	0.00223	0.00211	0.00199	0.00189	0.00179	0.00169
0.09	0.00284	0.00267	0.00251	0.00237	0.00223	0.00211	0.00200	0.00189	0.00179	0.00170
0.10	0.00285	0.00268	0.00252	0.00237	0.00224	0.00211	0.00200	0.00189	0.00179	0.00170
0.11	0.00285	0.00268	0.00252	0.00238	0.00224	0.00212	0.00200	0.00190	0.00180	0.00170
0.12	0.00286	0.00269	0.00253	0.00238	0.00225	0.00212	0.00201	0.00190	0.00180	0.00171
0.13	0.00287	0.00269	0.00254	0.00239	0.00225	0.00213	0.00201	0.00191	0.00181	0.00171
0.14	0.00287	0.00270	0.00254	0.00240	0.00226	0.00214	0.00202	0.00191	0.00181	0.00172
0.15	0.00288	0.00271	0.00255	0.00240	0.00227	0.00214	0.00202	0.00192	0.00182	0.00172
0.16	0.00289	0.00272	0.00256	0.00241	0.00227	0.00215	0.00203	0.00192	0.00182	0.00173
0.17	0.00290	0.00273	0.00257	0.00242	0.00228	0.00216	0.00204	0.00193	0.00183	0.00173
0.18	0.00291	0.00274	0.00258	0.00243	0.00229	0.00216	0.00205	0.00194	0.00183	0.00174
0.19	0.00292	0.00275	0.00259	0.00244	0.00230	0.00217	0.00205	0.00194	0.00184	0.00175
0.20	0.00294	0.00276	0.00260	0.00245	0.00231	0.00218	0.00206	0.00195	0.00185	0.00175
0.21	0.00295	0.00277	0.00261	0.00246	0.00232	0.00219	0.00207	0.00196	0.00186	0.00176
0.22	0.00296	0.00278	0.00262	0.00247	0.00233	0.00220	0.00208	0.00197	0.00186	0.00177
0.23	0.00298	0.00280	0.00263	0.00248	0.00234	0.00221	0.00209	0.00198	0.00187	0.00178
0.24	0.00299	0.00281	0.00265	0.00249	0.00235	0.00222	0.00210	0.00199	0.00188	0.00179
0.25	0.00301	0.00283	0.00266	0.00251	0.00236	0.00223	0.00211	0.00200	0.00189	0.00180
0.26	0.00302	0.00284	0.00267	0.00252	0.00238	0.00225	0.00212	0.00201	0.00190	0.00180
0.27	0.00304	0.00286	0.00269	0.00253	0.00239	0.00226	0.00213	0.00202	0.00191	0.00182
0.28	0.00306	0.00287	0.00271	0.00255	0.00241	0.00227	0.00215	0.00203	0.00193	0.00183
0.29	0.00308	0.00289	0.00272	0.00257	0.00242	0.00229	0.00216	0.00205	0.00194	0.00184
0.30	0.00310	0.00291	0.00274	0.00258	0.00244	0.00230	0.00217	0.00206	0.00195	0.00185
0.31	0.00312	0.00293	0.00276	0.00260	0.00245	0.00232	0.00219	0.00207	0.00196	0.00186
0.32	0.00314	0.00295	0.00278	0.00262	0.00247	0.00233	0.00220	0.00209	0.00198	0.00187
0.33	0.00316	0.00297	0.00280	0.00264	0.00249	0.00235	0.00222	0.00210	0.00199	0.00189

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
X	B	B	B	B	B	B	B	B	B	B
0.34	0.00319	0.00300	0.00282	0.00266	0.00251	0.00237	0.00224	0.00212	0.00201	0.00190
0.35	0.00321	0.00302	0.00284	0.00268	0.00253	0.00239	0.00226	0.00213	0.00202	0.00192
0.36	0.00324	0.00304	0.00286	0.00270	0.00255	0.00241	0.00227	0.00215	0.00204	0.00193
0.37	0.00327	0.00307	0.00289	0.00272	0.00257	0.00243	0.00229	0.00217	0.00206	0.00195
0.38	0.00329	0.00310	0.00291	0.00275	0.00259	0.00245	0.00231	0.00219	0.00207	0.00197
0.39	0.00332	0.00312	0.00294	0.00277	0.00261	0.00247	0.00233	0.00221	0.00209	0.00198
0.40	0.00335	0.00315	0.00297	0.00280	0.00264	0.00249	0.00236	0.00223	0.00211	0.00200
0.41	0.00339	0.00318	0.00300	0.00282	0.00266	0.00252	0.00238	0.00225	0.00213	0.00202
0.42	0.00342	0.00322	0.00303	0.00285	0.00269	0.00254	0.00240	0.00227	0.00215	0.00204
0.43	0.00346	0.00325	0.00306	0.00288	0.00272	0.00257	0.00243	0.00230	0.00218	0.00206
0.44	0.00349	0.00328	0.00309	0.00291	0.00275	0.00260	0.00245	0.00232	0.00220	0.00209
0.45	0.00353	0.00332	0.00313	0.00295	0.00278	0.00262	0.00248	0.00235	0.00223	0.00211
0.46	0.00357	0.00336	0.00316	0.00298	0.00281	0.00266	0.00251	0.00238	0.00225	0.00213
0.47	0.00362	0.00340	0.00320	0.00302	0.00284	0.00269	0.00254	0.00240	0.00228	0.00216
0.48	0.00366	0.00344	0.00324	0.00305	0.00288	0.00272	0.00257	0.00243	0.00231	0.00219
0.49	0.00371	0.00349	0.00328	0.00309	0.00292	0.00275	0.00260	0.00247	0.00234	0.00221
0.50	0.00376	0.00353	0.00332	0.00313	0.00296	0.00279	0.00264	0.00250	0.00237	0.00224
0.51	0.00381	0.00358	0.00337	0.00318	0.00300	0.00283	0.00267	0.00253	0.00240	0.00227
0.52	0.00386	0.00363	0.00342	0.00322	0.00304	0.00287	0.00271	0.00257	0.00243	0.00231
0.53	0.00392	0.00368	0.00347	0.00327	0.00308	0.00291	0.00275	0.00260	0.00247	0.00234
0.54	0.00398	0.00374	0.00352	0.00332	0.00313	0.00296	0.00279	0.00264	0.00251	0.00238
0.55	0.00404	0.00380	0.00357	0.00337	0.00318	0.00300	0.00284	0.00269	0.00254	0.00241
0.56	0.00411	0.00386	0.00363	0.00342	0.00323	0.00305	0.00288	0.00273	0.00259	0.00245
0.57	0.00417	0.00392	0.00369	0.00348	0.00328	0.00310	0.00293	0.00277	0.00263	0.00249
0.58	0.00425	0.00399	0.00376	0.00354	0.00334	0.00315	0.00298	0.00282	0.00267	0.00254
0.59	0.00432	0.00406	0.00382	0.00360	0.00340	0.00321	0.00304	0.00287	0.00272	0.00258
0.60	0.00440	0.00414	0.00390	0.00367	0.00346	0.00327	0.00309	0.00293	0.00277	0.00263
0.61	0.00449	0.00422	0.00397	0.00374	0.00353	0.00333	0.00315	0.00298	0.00283	0.00268
0.62	0.00458	0.00430	0.00405	0.00382	0.00360	0.00340	0.00322	0.00304	0.00288	0.00273
0.63	0.00467	0.00439	0.00413	0.00390	0.00368	0.00347	0.00328	0.00311	0.00294	0.00279
0.64	0.00477	0.00449	0.00422	0.00398	0.00375	0.00355	0.00335	0.00317	0.00301	0.00285
0.65	0.00488	0.00459	0.00432	0.00407	0.00384	0.00362	0.00343	0.00324	0.00307	0.00291
0.66	0.00499	0.00469	0.00442	0.00416	0.00393	0.00371	0.00351	0.00332	0.00314	0.00298
0.67	0.00511	0.00481	0.00452	0.00426	0.00402	0.00380	0.00359	0.00340	0.00322	0.00305

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
X	B	B	B	B	B	B	B	B	B	B
0.68	0.00524	0.00493	0.00464	0.00437	0.00412	0.00389	0.00368	0.00348	0.00330	0.00313
0.69	0.00538	0.00506	0.00476	0.00448	0.00423	0.00400	0.00378	0.00358	0.00339	0.00321
0.70	0.00553	0.00519	0.00489	0.00461	0.00435	0.00410	0.00388	0.00367	0.00348	0.00330
0.71	0.00568	0.00534	0.00503	0.00474	0.00447	0.00422	0.00399	0.00378	0.00358	0.00339
0.72	0.00585	0.00550	0.00518	0.00488	0.00460	0.00435	0.00411	0.00389	0.00368	0.00349
0.73	0.00603	0.00567	0.00534	0.00503	0.00475	0.00448	0.00424	0.00401	0.00380	0.00360
0.74	0.00623	0.00586	0.00551	0.00519	0.00490	0.00463	0.00437	0.00414	0.00392	0.00372
0.75	0.00644	0.00605	0.00570	0.00537	0.00507	0.00478	0.00452	0.00428	0.00406	0.00385
0.76	0.00667	0.00627	0.00590	0.00556	0.00525	0.00496	0.00469	0.00443	0.00420	0.00398
0.77	0.00692	0.00651	0.00612	0.00577	0.00544	0.00514	0.00486	0.00460	0.00436	0.00413
0.78	0.00720	0.00676	0.00637	0.00600	0.00566	0.00535	0.00505	0.00478	0.00453	0.00430
0.79	0.00750	0.00705	0.00663	0.00625	0.00590	0.00557	0.00527	0.00498	0.00472	0.00448
0.80	0.00783	0.00736	0.00693	0.00653	0.00616	0.00581	0.00550	0.00520	0.00493	0.00467
0.81	0.00819	0.00770	0.00725	0.00683	0.00645	0.00609	0.00576	0.00545	0.00516	0.00489
0.82	0.00860	0.00809	0.00761	0.00717	0.00677	0.00639	0.00604	0.00572	0.00542	0.00514
0.83	0.00906	0.00851	0.00801	0.00755	0.00712	0.00673	0.00636	0.00602	0.00570	0.00541
0.84	0.00957	0.00900	0.00847	0.00798	0.00753	0.00711	0.00672	0.00636	0.00603	0.00572
0.85	0.01016	0.00955	0.00898	0.00847	0.00799	0.00754	0.00713	0.00675	0.00640	0.00606
0.86	0.01082	0.01017	0.00957	0.00902	0.00851	0.00804	0.00760	0.00719	0.00682	0.00646
0.87	0.01159	0.01090	0.01026	0.00966	0.00912	0.00861	0.00814	0.00771	0.00730	0.00692
0.88	0.01249	0.01174	0.01105	0.01041	0.00982	0.00928	0.00877	0.00830	0.00787	0.00746
0.89	0.01355	0.01274	0.01199	0.01130	0.01066	0.01007	0.00952	0.00901	0.00854	0.00809
0.90	0.01483	0.01394	0.01312	0.01237	0.01167	0.01102	0.01042	0.00986	0.00934	0.00886
0.91	0.01639	0.01541	0.01450	0.01367	0.01289	0.01218	0.01151	0.01090	0.01032	0.00979
0.92	0.01835	0.01725	0.01623	0.01530	0.01443	0.01363	0.01289	0.01220	0.01155	0.01096
0.93	0.02086	0.01961	0.01845	0.01739	0.01641	0.01549	0.01465	0.01387	0.01314	0.01246
0.94	0.02421	0.02276	0.02142	0.02018	0.01904	0.01798	0.01700	0.01609	0.01525	0.01446
0.95	0.02890	0.02717	0.02557	0.02410	0.02273	0.02147	0.02030	0.01921	0.01820	0.01726
0.96	0.03594	0.03379	0.03180	0.02997	0.02827	0.02670	0.02524	0.02389	0.02264	0.02146
0.97	0.04768	0.04482	0.04219	0.03975	0.03750	0.03542	0.03349	0.03170	0.03003	0.02847
0.98	0.07116	0.06689	0.06296	0.05933	0.05597	0.05286	0.04998	0.04730	0.04481	0.04250
0.99	0.14161	0.13312	0.12529	0.11806	0.11138	0.10519	0.09946	0.09413	0.08918	0.08457

L	5.80	5.90	6.00	6.10	6.20	6.30				
X	B	B	B	B	B	B	B	B	B	B
0.	0.00160	0.00152	0.00144	0.00137	0.00131	0.00125				
0.01	0.00160	0.00152	0.00144	0.00137	0.00131	0.00125				
0.02	0.00160	0.00152	0.00144	0.00137	0.00131	0.00125				
0.03	0.00160	0.00152	0.00144	0.00137	0.00131	0.00125				
0.04	0.00160	0.00152	0.00145	0.00138	0.00131	0.00125				
0.05	0.00160	0.00152	0.00145	0.00138	0.00131	0.00125				
0.06	0.00160	0.00152	0.00145	0.00138	0.00131	0.00125				
0.07	0.00161	0.00152	0.00145	0.00138	0.00131	0.00125				
0.08	0.00161	0.00153	0.00145	0.00138	0.00132	0.00125				
0.09	0.00161	0.00153	0.00145	0.00138	0.00132	0.00126				
0.10	0.00161	0.00153	0.00146	0.00139	0.00132	0.00126				
0.11	0.00162	0.00154	0.00146	0.00139	0.00132	0.00126				
0.12	0.00162	0.00154	0.00146	0.00139	0.00133	0.00126				
0.13	0.00162	0.00154	0.00147	0.00140	0.00133	0.00127				
0.14	0.00163	0.00155	0.00147	0.00140	0.00133	0.00127				
0.15	0.00163	0.00155	0.00148	0.00140	0.00134	0.00128				
0.16	0.00164	0.00156	0.00148	0.00141	0.00134	0.00128				
0.17	0.00164	0.00156	0.00149	0.00141	0.00135	0.00128				
0.18	0.00165	0.00157	0.00149	0.00142	0.00135	0.00129				
0.19	0.00166	0.00157	0.00150	0.00142	0.00136	0.00129				
0.20	0.00166	0.00158	0.00150	0.00143	0.00136	0.00130				
0.21	0.00167	0.00159	0.00151	0.00144	0.00137	0.00130				
0.22	0.00168	0.00159	0.00152	0.00144	0.00137	0.00131				
0.23	0.00169	0.00160	0.00152	0.00145	0.00138	0.00132				
0.24	0.00169	0.00161	0.00153	0.00146	0.00139	0.00132				
0.25	0.00170	0.00162	0.00154	0.00146	0.00139	0.00133				
0.26	0.00171	0.00163	0.00155	0.00147	0.00140	0.00134				
0.27	0.00172	0.00164	0.00156	0.00148	0.00141	0.00134				
0.28	0.00173	0.00165	0.00157	0.00149	0.00142	0.00135				
0.29	0.00174	0.00166	0.00158	0.00150	0.00143	0.00136				
0.30	0.00176	0.00167	0.00159	0.00151	0.00144	0.00137				
0.31	0.00177	0.00168	0.00160	0.00152	0.00145	0.00138				
0.32	0.00178	0.00169	0.00161	0.00153	0.00146	0.00139				
0.33	0.00179	0.00170	0.00162	0.00154	0.00147	0.00140				

L	5.80	5.90	6.00	6.10	6.20	6.30				
X	B	B	B	B	B	B	B	B	B	B
0.34	0.00181	0.00172	0.00163	0.00155	0.00148	0.00141				
0.35	0.00182	0.00173	0.00164	0.00156	0.00149	0.00142				
0.36	0.00184	0.00174	0.00166	0.00158	0.00150	0.00143				
0.37	0.00185	0.00176	0.00167	0.00159	0.00152	0.00144				
0.38	0.00187	0.00177	0.00169	0.00160	0.00153	0.00146				
0.39	0.00188	0.00179	0.00170	0.00162	0.00154	0.00147				
0.40	0.00190	0.00181	0.00172	0.00163	0.00156	0.00148				
0.41	0.00192	0.00182	0.00173	0.00165	0.00157	0.00150				
0.42	0.00194	0.00184	0.00175	0.00167	0.00159	0.00151				
0.43	0.00196	0.00186	0.00177	0.00168	0.00160	0.00153				
0.44	0.00198	0.00188	0.00179	0.00170	0.00162	0.00155				
0.45	0.00200	0.00190	0.00181	0.00172	0.00164	0.00156				
0.46	0.00203	0.00192	0.00183	0.00174	0.00166	0.00158				
0.47	0.00205	0.00195	0.00185	0.00176	0.00168	0.00160				
0.48	0.00208	0.00197	0.00187	0.00178	0.00170	0.00162				
0.49	0.00210	0.00200	0.00190	0.00181	0.00172	0.00164				
0.50	0.00213	0.00202	0.00192	0.00183	0.00174	0.00166				
0.51	0.00216	0.00205	0.00195	0.00186	0.00177	0.00168				
0.52	0.00219	0.00208	0.00198	0.00188	0.00179	0.00171				
0.53	0.00222	0.00211	0.00201	0.00191	0.00182	0.00173				
0.54	0.00225	0.00214	0.00204	0.00194	0.00185	0.00176				
0.55	0.00229	0.00218	0.00207	0.00197	0.00187	0.00179				
0.56	0.00233	0.00221	0.00210	0.00200	0.00191	0.00182				
0.57	0.00237	0.00225	0.00214	0.00203	0.00194	0.00185				
0.58	0.00241	0.00229	0.00217	0.00207	0.00197	0.00188				
0.59	0.00245	0.00233	0.00221	0.00211	0.00201	0.00191				
0.60	0.00250	0.00237	0.00225	0.00215	0.00204	0.00195				
0.61	0.00254	0.00242	0.00230	0.00219	0.00208	0.00198				
0.62	0.00259	0.00246	0.00234	0.00223	0.00212	0.00202				
0.63	0.00265	0.00252	0.00239	0.00228	0.00217	0.00207				
0.64	0.00271	0.00257	0.00244	0.00233	0.00221	0.00211				
0.65	0.00277	0.00263	0.00250	0.00238	0.00226	0.00216				
0.66	0.00283	0.00269	0.00256	0.00243	0.00232	0.00221				
0.67	0.00290	0.00275	0.00262	0.00249	0.00237	0.00226				



L	5.80	5.90	6.00	6.10	6.20	6.30				
X	B	B	B	B	B	B	B	B	B	B
0.68	0.00297	0.00282	0.00268	0.00255	0.00243	0.00232				
0.69	0.00305	0.00290	0.00275	0.00262	0.00250	0.00238				
0.70	0.00313	0.00298	0.00283	0.00269	0.00256	0.00244				
0.71	0.00322	0.00306	0.00291	0.00277	0.00264	0.00251				
0.72	0.00332	0.00315	0.00300	0.00285	0.00272	0.00259				
0.73	0.00342	0.00325	0.00309	0.00294	0.00280	0.00267				
0.74	0.00353	0.00335	0.00319	0.00304	0.00289	0.00276				
0.75	0.00365	0.00347	0.00330	0.00314	0.00299	0.00285				
0.76	0.00378	0.00359	0.00342	0.00325	0.00310	0.00295				
0.77	0.00392	0.00373	0.00354	0.00337	0.00321	0.00306				
0.78	0.00408	0.00388	0.00368	0.00351	0.00334	0.00318				
0.79	0.00425	0.00404	0.00384	0.00365	0.00348	0.00332				
0.80	0.00444	0.00422	0.00401	0.00381	0.00363	0.00346				
0.81	0.00464	0.00441	0.00420	0.00399	0.00380	0.00362				
0.82	0.00488	0.00463	0.00440	0.00419	0.00399	0.00380				
0.83	0.00513	0.00488	0.00464	0.00441	0.00420	0.00401				
0.84	0.00543	0.00515	0.00490	0.00466	0.00444	0.00423				
0.85	0.00576	0.00547	0.00520	0.00495	0.00471	0.00449				
0.86	0.00613	0.00583	0.00554	0.00527	0.00502	0.00479				
0.87	0.00657	0.00624	0.00594	0.00565	0.00538	0.00513				
0.88	0.00708	0.00673	0.00640	0.00609	0.00580	0.00552				
0.89	0.00768	0.00730	0.00694	0.00660	0.00629	0.00600				
0.90	0.00841	0.00799	0.00759	0.00723	0.00688	0.00656				
0.91	0.00929	0.00883	0.00839	0.00799	0.00761	0.00725				
0.92	0.01040	0.00988	0.00939	0.00894	0.00851	0.00811				
0.93	0.01182	0.01123	0.01068	0.01016	0.00968	0.00923				
0.94	0.01372	0.01304	0.01240	0.01180	0.01123	0.01071				
0.95	0.01638	0.01556	0.01480	0.01408	0.01341	0.01278				
0.96	0.02037	0.01936	0.01840	0.01751	0.01668	0.01590				
0.97	0.02703	0.02568	0.02441	0.02323	0.02213	0.02109				
0.98	0.04034	0.03832	0.03644	0.03467	0.03302	0.03147				
0.99	0.08027	0.07625	0.07250	0.06900	0.06571	0.06263				

Table 7

The Derivative,  $dB/dx$ , as a Function of  $x$  and  $L$

$$\frac{dB}{dx} = \frac{2Mx}{L^3(1-x^2)^2}$$

$x$  No Units

$dB/dx$  in Gauss

$L$  in Earth-Radii

$M = 0.311653 (\text{Earth-Radii})^3 - \text{Gauss}$

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.00468	0.00410	0.00361	0.00319	0.00284	0.00253	0.00227	0.00204	0.00185	0.00167
0.02	0.00937	0.00820	0.00722	0.00639	0.00568	0.00507	0.00455	0.00409	0.00370	0.00335
0.03	0.01407	0.01232	0.01084	0.00959	0.00853	0.00761	0.00683	0.00614	0.00555	0.00503
0.04	0.01879	0.01645	0.01447	0.01281	0.01138	0.01017	0.00912	0.00820	0.00741	0.00672
0.05	0.02353	0.02059	0.01813	0.01604	0.01426	0.01273	0.01141	0.01027	0.00928	0.00841
0.06	0.02830	0.02477	0.02180	0.01929	0.01715	0.01531	0.01373	0.01236	0.01116	0.01012
0.07	0.03310	0.02897	0.02550	0.02256	0.02006	0.01791	0.01606	0.01445	0.01306	0.01183
0.08	0.03795	0.03321	0.02923	0.02586	0.02299	0.02053	0.01841	0.01657	0.01497	0.01356
0.09	0.04284	0.03749	0.03300	0.02919	0.02595	0.02317	0.02078	0.01870	0.01689	0.01531
0.10	0.04778	0.04182	0.03680	0.03256	0.02895	0.02585	0.02318	0.02086	0.01884	0.01708
0.11	0.05278	0.04619	0.04066	0.03597	0.03198	0.02855	0.02560	0.02304	0.02082	0.01887
0.12	0.05785	0.05063	0.04456	0.03942	0.03505	0.03130	0.02806	0.02526	0.02281	0.02068
0.13	0.06299	0.05513	0.04852	0.04293	0.03816	0.03408	0.03055	0.02750	0.02484	0.02251
0.14	0.06821	0.05969	0.05254	0.04648	0.04132	0.03690	0.03309	0.02978	0.02690	0.02438
0.15	0.07352	0.06434	0.05663	0.05010	0.04454	0.03977	0.03566	0.03210	0.02899	0.02628
0.16	0.07892	0.06906	0.06079	0.05378	0.04781	0.04269	0.03828	0.03445	0.03112	0.02821
0.17	0.08442	0.07388	0.06502	0.05753	0.05114	0.04567	0.04095	0.03686	0.03329	0.03017
0.18	0.09003	0.07879	0.06935	0.06136	0.05454	0.04871	0.04367	0.03931	0.03551	0.03218
0.19	0.09577	0.08381	0.07376	0.06526	0.05802	0.05181	0.04645	0.04181	0.03777	0.03423
0.20	0.10163	0.08894	0.07828	0.06926	0.06157	0.05498	0.04930	0.04437	0.04008	0.03632
0.21	0.10763	0.09419	0.08290	0.07334	0.06520	0.05822	0.05220	0.04699	0.04244	0.03847
0.22	0.11377	0.09957	0.08763	0.07753	0.06893	0.06155	0.05519	0.04967	0.04487	0.04066
0.23	0.12008	0.10509	0.09249	0.08183	0.07275	0.06496	0.05824	0.05242	0.04735	0.04292
0.24	0.12655	0.11075	0.09748	0.08624	0.07667	0.06846	0.06138	0.05525	0.04991	0.04523
0.25	0.13321	0.11657	0.10260	0.09078	0.08070	0.07206	0.06461	0.05816	0.05253	0.04761
0.26	0.14005	0.12257	0.10788	0.09544	0.08485	0.07577	0.06793	0.06115	0.05523	0.05006
0.27	0.14711	0.12874	0.11331	0.10025	0.08912	0.07958	0.07136	0.06423	0.05801	0.05258
0.28	0.15438	0.13511	0.11891	0.10521	0.09353	0.08352	0.07488	0.06740	0.06088	0.05518
0.29	0.16189	0.14168	0.12470	0.11032	0.09808	0.08758	0.07853	0.07068	0.06385	0.05786
0.30	0.16965	0.14847	0.13068	0.11561	0.10278	0.09178	0.08229	0.07407	0.06691	0.06064
0.31	0.17768	0.15550	0.13686	0.12109	0.10764	0.09612	0.08619	0.07757	0.07007	0.06351
0.32	0.18600	0.16278	0.14327	0.12675	0.11268	0.10062	0.09022	0.08120	0.07335	0.06648
0.33	0.19462	0.17032	0.14991	0.13263	0.11791	0.10528	0.09440	0.08497	0.07675	0.06956

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.34	0.20357	0.17815	0.15680	0.13872	0.12333	0.11012	0.09874	0.08887	0.08028	0.07276
0.35	0.21286	0.18629	0.16396	0.14506	0.12896	0.11515	0.10325	0.09293	0.08395	0.07608
0.36	0.22253	0.19475	0.17140	0.15165	0.13481	0.12038	0.10794	0.09715	0.08776	0.07954
0.37	0.23260	0.20356	0.17916	0.15851	0.14091	0.12583	0.11282	0.10155	0.09173	0.08314
0.38	0.24309	0.21274	0.18724	0.16566	0.14727	0.13150	0.11791	0.10613	0.09587	0.08689
0.39	0.25404	0.22232	0.19567	0.17312	0.15390	0.13743	0.12322	0.11091	0.10019	0.09080
0.40	0.26548	0.23233	0.20448	0.18091	0.16083	0.14362	0.12877	0.11590	0.10470	0.09489
0.41	0.27744	0.24280	0.21370	0.18907	0.16808	0.15009	0.13457	0.12113	0.10941	0.09916
0.42	0.28996	0.25376	0.22334	0.19760	0.17567	0.15686	0.14065	0.12659	0.11435	0.10364
0.43	0.30309	0.26525	0.23346	0.20655	0.18362	0.16396	0.14702	0.13233	0.11953	0.10833
0.44	0.31687	0.27731	0.24407	0.21593	0.19197	0.17142	0.15370	0.13834	0.12496	0.11326
0.45	0.33134	0.28997	0.25522	0.22580	0.20073	0.17925	0.16072	0.14466	0.13067	0.11843
0.46	0.34657	0.30330	0.26695	0.23618	0.20996	0.18748	0.16811	0.15131	0.13668	0.12387
0.47	0.36261	0.31734	0.27930	0.24711	0.21968	0.19616	0.17588	0.15831	0.14300	0.12960
0.48	0.37952	0.33214	0.29233	0.25863	0.22992	0.20531	0.18409	0.16569	0.14967	0.13565
0.49	0.39738	0.34777	0.30608	0.27080	0.24074	0.21497	0.19275	0.17349	0.15672	0.14203
0.50	0.41627	0.36430	0.32063	0.28367	0.25218	0.22519	0.20191	0.18174	0.16416	0.14878
0.51	0.43626	0.38180	0.33603	0.29730	0.26430	0.23601	0.21161	0.19047	0.17205	0.15593
0.52	0.45746	0.40035	0.35236	0.31175	0.27714	0.24748	0.22190	0.19972	0.18041	0.16351
0.53	0.47998	0.42005	0.36970	0.32709	0.29078	0.25966	0.23282	0.20955	0.18929	0.17156
0.54	0.50392	0.44101	0.38815	0.34341	0.30529	0.27261	0.24443	0.22001	0.19873	0.18011
0.55	0.52942	0.46332	0.40779	0.36078	0.32073	0.28640	0.25680	0.23114	0.20879	0.18923
0.56	0.55662	0.48713	0.42874	0.37932	0.33721	0.30112	0.26999	0.24301	0.21951	0.19895
0.57	0.58568	0.51256	0.45112	0.39913	0.35482	0.31684	0.28409	0.25570	0.23098	0.20934
0.58	0.61679	0.53979	0.47509	0.42033	0.37367	0.33367	0.29918	0.26929	0.24324	0.22046
0.59	0.65015	0.56898	0.50078	0.44306	0.39388	0.35171	0.31536	0.28385	0.25640	0.23238
0.60	0.68598	0.60034	0.52838	0.46748	0.41559	0.37110	0.33274	0.29949	0.27053	0.24519
0.61	0.72456	0.63410	0.55809	0.49376	0.43896	0.39197	0.35145	0.31633	0.28574	0.25897
0.62	0.76616	0.67051	0.59014	0.52211	0.46416	0.41447	0.37163	0.33450	0.30215	0.27384
0.63	0.81112	0.70986	0.62477	0.55276	0.49140	0.43880	0.39344	0.35413	0.31988	0.28991
0.64	0.85983	0.75248	0.66228	0.58595	0.52090	0.46514	0.41707	0.37539	0.33909	0.30732
0.65	0.91271	0.79876	0.70302	0.62199	0.55294	0.49375	0.44272	0.39848	0.35995	0.32622
0.66	0.97027	0.84914	0.74736	0.66121	0.58782	0.52489	0.47064	0.42361	0.38265	0.34680
0.67	1.03309	0.90411	0.79574	0.70402	0.62587	0.55887	0.50111	0.45104	0.40742	0.36925

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.68	1.10183	0.96427	0.84869	0.75086	0.66752	0.59606	0.53445	0.48105	0.43453	0.39382
0.69	1.17727	1.03029	0.90680	0.80228	0.71322	0.63687	0.57104	0.51398	0.46428	0.42078
0.70	1.26032	1.10297	0.97077	0.85887	0.76353	0.68180	0.61133	0.55024	0.49703	0.45047
0.71	1.35205	1.18325	1.04142	0.92139	0.81911	0.73143	0.65582	0.59029	0.53321	0.48325
0.72	1.45373	1.27223	1.11974	0.99067	0.88071	0.78643	0.70514	0.63468	0.57331	0.51960
0.73	1.56685	1.37123	1.20687	1.06776	0.94924	0.84762	0.76001	0.68407	0.61792	0.56003
0.74	1.69321	1.48182	1.30420	1.15387	1.02579	0.91598	0.82130	0.73924	0.66775	0.60519
0.75	1.83497	1.60588	1.41339	1.25048	1.11167	0.99267	0.89007	0.80113	0.72366	0.65586
0.76	1.99475	1.74572	1.53647	1.35937	1.20847	1.07911	0.96757	0.87089	0.78667	0.71297
0.77	2.17576	1.90413	1.67589	1.48272	1.31813	1.17703	1.05537	0.94992	0.85806	0.77767
0.78	2.38195	2.08457	1.83471	1.62323	1.44305	1.28857	1.15538	1.03994	0.93937	0.85136
0.79	2.61822	2.29134	2.01669	1.78424	1.58618	1.41639	1.26999	1.14309	1.03255	0.93581
0.80	2.89073	2.52984	2.22660	1.96995	1.75128	1.56381	1.40217	1.26207	1.14002	1.03322
0.81	3.20733	2.80691	2.47046	2.18571	1.94309	1.73508	1.55574	1.40029	1.26488	1.14638
0.82	3.57807	3.13137	2.75603	2.43836	2.16769	1.93565	1.73557	1.56215	1.41109	1.27889
0.83	4.01607	3.51468	3.09340	2.73684	2.43304	2.17259	1.94803	1.75338	1.58382	1.43544
0.84	4.53865	3.97202	3.49592	3.09296	2.74963	2.45529	2.20151	1.98153	1.78991	1.62222
0.85	5.16911	4.52377	3.98153	3.52261	3.13158	2.79636	2.50732	2.25678	2.03855	1.84756
0.86	5.93936	5.19786	4.57482	4.04751	3.59822	3.21304	2.88094	2.59307	2.34231	2.12287
0.87	6.89402	6.03333	5.31015	4.69808	4.17658	3.72949	3.34400	3.00986	2.71880	2.46408
0.88	8.09707	7.08618	6.23680	5.51792	4.90541	4.38031	3.92755	3.53510	3.19324	2.89408
0.89	9.64282	8.43896	7.42743	6.57131	5.84187	5.21652	4.67733	4.20996	3.80284	3.44657
0.90	11.67504	10.21746	8.99275	7.95621	7.07304	6.31590	5.66308	5.09721	4.60429	4.17293
0.91	14.42158	12.62110	11.10829	9.82790	8.73697	7.80170	6.99531	6.29632	5.68744	5.15461
0.92	18.26117	15.98133	14.06575	12.44447	11.06309	9.87882	8.85773	7.97265	7.20166	6.52697
0.93	23.86137	20.88237	18.37933	16.26085	14.45584	12.90839	11.57415	10.41764	9.41022	8.52861
0.94	32.48964	28.43344	25.02530	22.14078	19.68307	17.57606	15.75937	14.18466	12.81295	11.61256
0.95	46.79909	40.95641	36.04721	31.89227	28.35211	25.31711	22.70029	20.43203	18.45617	16.72709
0.96	73.14119	64.00981	56.33734	49.84367	44.31084	39.56751	35.47774	31.93273	28.84472	26.14237
0.97	130.05276	113.81620	100.17374	88.62731	78.78936	70.35522	63.08317	56.77977	51.28895	46.48390
0.98	292.65670	256.11971	225.42018	199.43735	177.29908	158.31980	141.95556	127.77107	115.41513	104.60235
0.99	1170.714291	1024.55544	901.74811	797.80903	709.24931	633.32653	567.86469	511.12247	461.69504	418.44067

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.00152	0.00139	0.00127	0.00116	0.00107	0.00098	0.00091	0.00084	0.00078	0.00072
0.02	0.00305	0.00278	0.00254	0.00233	0.00214	0.00197	0.00182	0.00168	0.00156	0.00145
0.03	0.00457	0.00417	0.00381	0.00350	0.00321	0.00296	0.00273	0.00253	0.00234	0.00217
0.04	0.00611	0.00557	0.00509	0.00467	0.00429	0.00395	0.00365	0.00337	0.00313	0.00290
0.05	0.00765	0.00697	0.00638	0.00584	0.00537	0.00495	0.00457	0.00422	0.00392	0.00364
0.06	0.00920	0.00839	0.00767	0.00703	0.00646	0.00595	0.00549	0.00508	0.00471	0.00437
0.07	0.01076	0.00981	0.00897	0.00822	0.00756	0.00696	0.00642	0.00594	0.00551	0.00511
0.08	0.01233	0.01124	0.01028	0.00942	0.00866	0.00798	0.00736	0.00681	0.00631	0.00586
0.09	0.01392	0.01269	0.01161	0.01064	0.00978	0.00901	0.00831	0.00769	0.00713	0.00662
0.10	0.01553	0.01416	0.01294	0.01187	0.01090	0.01004	0.00927	0.00858	0.00795	0.00738
0.11	0.01715	0.01564	0.01430	0.01311	0.01205	0.01110	0.01024	0.00947	0.00878	0.00815
0.12	0.01880	0.01714	0.01567	0.01437	0.01320	0.01216	0.01123	0.01038	0.00962	0.00894
0.13	0.02047	0.01866	0.01706	0.01564	0.01438	0.01324	0.01222	0.01131	0.01048	0.00973
0.14	0.02216	0.02021	0.01848	0.01694	0.01557	0.01434	0.01324	0.01224	0.01135	0.01054
0.15	0.02389	0.02178	0.01992	0.01826	0.01678	0.01545	0.01427	0.01320	0.01223	0.01136
0.16	0.02564	0.02338	0.02138	0.01960	0.01801	0.01659	0.01531	0.01417	0.01313	0.01219
0.17	0.02743	0.02501	0.02287	0.02097	0.01927	0.01775	0.01638	0.01515	0.01405	0.01304
0.18	0.02926	0.02668	0.02439	0.02236	0.02055	0.01893	0.01747	0.01616	0.01498	0.01391
0.19	0.03112	0.02838	0.02594	0.02378	0.02186	0.02013	0.01858	0.01719	0.01593	0.01480
0.20	0.03302	0.03011	0.02753	0.02524	0.02319	0.02136	0.01972	0.01824	0.01691	0.01570
0.21	0.03497	0.03189	0.02916	0.02673	0.02456	0.02262	0.02089	0.01932	0.01791	0.01663
0.22	0.03697	0.03371	0.03082	0.02826	0.02597	0.02392	0.02208	0.02042	0.01893	0.01758
0.23	0.03902	0.03558	0.03253	0.02982	0.02740	0.02524	0.02330	0.02155	0.01998	0.01855
0.24	0.04112	0.03750	0.03428	0.03143	0.02888	0.02660	0.02456	0.02272	0.02105	0.01955
0.25	0.04329	0.03947	0.03609	0.03308	0.03040	0.02800	0.02585	0.02391	0.02216	0.02058
0.26	0.04551	0.04150	0.03794	0.03478	0.03196	0.02944	0.02718	0.02514	0.02330	0.02164
0.27	0.04780	0.04359	0.03985	0.03653	0.03357	0.03092	0.02855	0.02641	0.02447	0.02273
0.28	0.05017	0.04574	0.04182	0.03834	0.03523	0.03245	0.02996	0.02771	0.02569	0.02385
0.29	0.05261	0.04797	0.04386	0.04021	0.03695	0.03403	0.03142	0.02906	0.02693	0.02501
0.30	0.05513	0.05027	0.04596	0.04213	0.03872	0.03566	0.03292	0.03045	0.02823	0.02621
0.31	0.05774	0.05265	0.04814	0.04413	0.04055	0.03735	0.03448	0.03189	0.02956	0.02745
0.32	0.06044	0.05511	0.05039	0.04619	0.04245	0.03910	0.03609	0.03339	0.03095	0.02874
0.33	0.06324	0.05766	0.05272	0.04833	0.04442	0.04091	0.03777	0.03493	0.03238	0.03007

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.34	0.06615	0.06032	0.05515	0.05056	0.04646	0.04279	0.03950	0.03654	0.03387	0.03145
0.35	0.06917	0.06307	0.05767	0.05286	0.04858	0.04475	0.04131	0.03821	0.03541	0.03289
0.36	0.07231	0.06593	0.06029	0.05527	0.05079	0.04678	0.04318	0.03994	0.03702	0.03438
0.37	0.07558	0.06892	0.06301	0.05777	0.05308	0.04890	0.04514	0.04175	0.03870	0.03594
0.38	0.07899	0.07203	0.06586	0.06037	0.05548	0.05110	0.04717	0.04364	0.04044	0.03756
0.39	0.08255	0.07527	0.06882	0.06309	0.05798	0.05340	0.04930	0.04560	0.04227	0.03925
0.40	0.08627	0.07866	0.07192	0.06593	0.06059	0.05581	0.05152	0.04765	0.04417	0.04101
0.41	0.09015	0.08220	0.07516	0.06890	0.06332	0.05832	0.05384	0.04980	0.04616	0.04286
0.42	0.09422	0.08591	0.07855	0.07201	0.06618	0.06095	0.05627	0.05205	0.04824	0.04480
0.43	0.09849	0.08980	0.08211	0.07527	0.06917	0.06371	0.05881	0.05441	0.05043	0.04683
0.44	0.10297	0.09389	0.08584	0.07869	0.07232	0.06661	0.06149	0.05688	0.05272	0.04895
0.45	0.10767	0.09817	0.08976	0.08229	0.07562	0.06965	0.06430	0.05948	0.05513	0.05119
0.46	0.11262	0.10269	0.09389	0.08607	0.07909	0.07285	0.06725	0.06221	0.05766	0.05354
0.47	0.11783	0.10744	0.09823	0.09005	0.08276	0.07623	0.07036	0.06509	0.06033	0.05602
0.48	0.12333	0.11245	0.10282	0.09425	0.08662	0.07978	0.07365	0.06813	0.06314	0.05863
0.49	0.12913	0.11774	0.10766	0.09869	0.09069	0.08354	0.07711	0.07133	0.06611	0.06139
0.50	0.13527	0.12334	0.11277	0.10338	0.09500	0.08751	0.08078	0.07472	0.06926	0.06431
0.51	0.14176	0.12926	0.11819	0.10835	0.09957	0.09171	0.08466	0.07831	0.07258	0.06740
0.52	0.14865	0.13554	0.12393	0.11361	0.10440	0.09617	0.08877	0.08212	0.07611	0.07068
0.53	0.15597	0.14222	0.13003	0.11920	0.10954	0.10090	0.09314	0.08616	0.07986	0.07415
0.54	0.16375	0.14931	0.13652	0.12515	0.11501	0.10593	0.09779	0.09046	0.08384	0.07785
0.55	0.17203	0.15686	0.14343	0.13148	0.12083	0.11129	0.10273	0.09503	0.08808	0.08179
0.56	0.18087	0.16492	0.15080	0.13824	0.12703	0.11701	0.10801	0.09992	0.09261	0.08599
0.57	0.19032	0.17354	0.15867	0.14545	0.13367	0.12312	0.11365	0.10513	0.09744	0.09049
0.58	0.20043	0.18275	0.16710	0.15318	0.14077	0.12966	0.11969	0.11072	0.10262	0.09529
0.59	0.21127	0.19264	0.17613	0.16146	0.14838	0.13667	0.12616	0.11670	0.10817	0.10045
0.60	0.22291	0.20325	0.18584	0.17036	0.15656	0.14420	0.13312	0.12314	0.11413	0.10598
0.61	0.23545	0.21468	0.19629	0.17994	0.16536	0.15231	0.14060	0.13006	0.12055	0.11194
0.62	0.24896	0.22701	0.20756	0.19027	0.17486	0.16106	0.14867	0.13753	0.12747	0.11837
0.63	0.26357	0.24033	0.21974	0.20144	0.18512	0.17051	0.15740	0.14560	0.13495	0.12531
0.64	0.27940	0.25476	0.23294	0.21354	0.19623	0.18075	0.16685	0.15434	0.14305	0.13284
0.65	0.29659	0.27043	0.24727	0.22667	0.20830	0.19186	0.17711	0.16384	0.15185	0.14101
0.66	0.31529	0.28749	0.26286	0.24097	0.22144	0.20397	0.18828	0.17417	0.16143	0.14990
0.67	0.33570	0.30610	0.27988	0.25657	0.23577	0.21717	0.20047	0.18544	0.17188	0.15961

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.68	0.35804	0.32647	0.29850	0.27364	0.25146	0.23162	0.21381	0.19778	0.18332	0.17023
0.69	0.38255	0.34882	0.31894	0.29237	0.26868	0.24748	0.22845	0.21132	0.19587	0.18188
0.70	0.40954	0.37343	0.34144	0.31300	0.28763	0.26494	0.24457	0.22623	0.20969	0.19471
0.71	0.43935	0.40061	0.36629	0.33578	0.30857	0.28422	0.26237	0.24270	0.22495	0.20889
0.72	0.47239	0.43073	0.39383	0.36103	0.33177	0.30559	0.28210	0.26095	0.24186	0.22459
0.73	0.50915	0.46425	0.42448	0.38913	0.35759	0.32937	0.30405	0.28126	0.26068	0.24207
0.74	0.55021	0.50169	0.45871	0.42051	0.38643	0.35594	0.32857	0.30394	0.28171	0.26159
0.75	0.59627	0.54369	0.49712	0.45571	0.41878	0.38574	0.35608	0.32938	0.30529	0.28349
0.76	0.64820	0.59104	0.54041	0.49540	0.45525	0.41933	0.38708	0.35807	0.33188	0.30818
0.77	0.70702	0.64467	0.58944	0.54035	0.49656	0.45738	0.42221	0.39056	0.36199	0.33615
0.78	0.77402	0.70576	0.64530	0.59156	0.54362	0.50072	0.46222	0.42757	0.39630	0.36800
0.79	0.85079	0.77577	0.70931	0.65023	0.59754	0.55039	0.50807	0.46998	0.43561	0.40450
0.80	0.93935	0.85651	0.78314	0.71791	0.65973	0.60767	0.56095	0.51890	0.48095	0.44661
0.81	1.04223	0.95032	0.86891	0.79654	0.73199	0.67423	0.62239	0.57573	0.53362	0.49552
0.82	1.16270	1.06017	0.96935	0.88861	0.81660	0.75216	0.69433	0.64228	0.59530	0.55280
0.83	1.30503	1.18995	1.08801	0.99739	0.91656	0.84424	0.77932	0.72090	0.66817	0.62047
0.84	1.47484	1.34479	1.22958	1.12717	1.03583	0.95409	0.88073	0.81471	0.75512	0.70120
0.85	1.67971	1.53159	1.40038	1.28375	1.17971	1.08662	1.00307	0.92788	0.86001	0.79861
0.86	1.93000	1.75981	1.60906	1.47504	1.35550	1.24854	1.15254	1.06614	0.98816	0.91761
0.87	2.24022	2.04267	1.86769	1.71213	1.57338	1.44922	1.33780	1.23750	1.14699	1.06510
0.88	2.63115	2.39913	2.19361	2.01090	1.84794	1.70212	1.57125	1.45346	1.34715	1.25096
0.89	3.13345	2.85713	2.61237	2.39479	2.20072	2.02706	1.87121	1.73093	1.60432	1.48977
0.90	3.79382	3.45927	3.16293	2.89949	2.66452	2.45426	2.26556	2.09572	1.94243	1.80374
0.91	4.68631	4.27306	3.90701	3.58160	3.29134	3.03163	2.79853	2.58873	2.39939	2.22807
0.92	5.93399	5.41072	4.94720	4.53516	4.16763	3.83876	3.54361	3.27795	3.03820	2.82127
0.93	7.75378	7.07003	6.46438	5.92597	5.44573	5.01601	4.63034	4.28321	3.96993	3.68648
0.94	10.55755	9.62656	8.80189	8.06880	7.41490	6.82980	6.30467	5.83202	5.40546	5.01951
0.95	15.20742	13.86640	12.67857	11.62255	10.68066	9.83785	9.08144	8.40063	7.78620	7.23026
0.96	23.76732	21.67146	19.81496	18.16460	16.69255	15.37535	14.19317	13.12914	12.16887	11.30000
0.97	42.26080	38.53415	35.23310	32.29858	29.68111	27.33899	25.23695	23.34499	21.63753	20.09260
0.98	95.09914	86.71309	79.28477	72.68125	66.79116	61.52071	56.79050	52.53306	48.69076	45.21421
0.99	380.42499	346.87830	317.16277	290.74673	267.18462	246.10124	227.17899	210.14794	194.77759	180.87036



L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.00067	0.00063	0.00059	0.00055	0.00051	0.00048	0.00045	0.00040	0.00035	0.00032
0.02	0.00135	0.00126	0.00117	0.00110	0.00103	0.00096	0.00090	0.00080	0.00071	0.00063
0.03	0.00202	0.00188	0.00176	0.00164	0.00154	0.00144	0.00136	0.00120	0.00107	0.00095
0.04	0.00270	0.00252	0.00235	0.00220	0.00206	0.00193	0.00181	0.00160	0.00142	0.00127
0.05	0.00338	0.00315	0.00294	0.00275	0.00257	0.00241	0.00227	0.00200	0.00178	0.00159
0.06	0.00407	0.00379	0.00354	0.00331	0.00310	0.00290	0.00272	0.00241	0.00214	0.00191
0.07	0.00476	0.00443	0.00414	0.00387	0.00362	0.00340	0.00319	0.00282	0.00251	0.00224
0.08	0.00545	0.00508	0.00474	0.00443	0.00415	0.00389	0.00365	0.00323	0.00287	0.00257
0.09	0.00616	0.00574	0.00535	0.00501	0.00469	0.00439	0.00412	0.00365	0.00324	0.00290
0.10	0.00687	0.00640	0.00597	0.00558	0.00523	0.00490	0.00460	0.00407	0.00362	0.00323
0.11	0.00759	0.00707	0.00660	0.00617	0.00577	0.00541	0.00508	0.00450	0.00400	0.00357
0.12	0.00831	0.00775	0.00723	0.00676	0.00633	0.00593	0.00557	0.00493	0.00438	0.00391
0.13	0.00905	0.00844	0.00787	0.00736	0.00689	0.00646	0.00606	0.00537	0.00477	0.00426
0.14	0.00980	0.00913	0.00853	0.00797	0.00746	0.00700	0.00657	0.00581	0.00517	0.00461
0.15	0.01057	0.00985	0.00919	0.00859	0.00804	0.00754	0.00708	0.00626	0.00557	0.00497
0.16	0.01134	0.01057	0.00986	0.00922	0.00863	0.00809	0.00760	0.00672	0.00598	0.00534
0.17	0.01213	0.01131	0.01055	0.00986	0.00924	0.00866	0.00813	0.00719	0.00639	0.00571
0.18	0.01294	0.01206	0.01125	0.01052	0.00985	0.00923	0.00867	0.00767	0.00682	0.00609
0.19	0.01376	0.01283	0.01197	0.01119	0.01048	0.00982	0.00922	0.00816	0.00725	0.00648
0.20	0.01461	0.01361	0.01270	0.01188	0.01112	0.01042	0.00978	0.00866	0.00770	0.00687
0.21	0.01547	0.01441	0.01345	0.01258	0.01177	0.01104	0.01036	0.00917	0.00815	0.00728
0.22	0.01635	0.01524	0.01422	0.01329	0.01245	0.01167	0.01095	0.00969	0.00862	0.00769
0.23	0.01726	0.01608	0.01501	0.01403	0.01314	0.01231	0.01156	0.01023	0.00909	0.00812
0.24	0.01819	0.01695	0.01582	0.01479	0.01384	0.01298	0.01218	0.01078	0.00958	0.00856
0.25	0.01914	0.01784	0.01665	0.01557	0.01457	0.01366	0.01283	0.01135	0.01009	0.00901
0.26	0.02013	0.01876	0.01751	0.01637	0.01532	0.01436	0.01348	0.01193	0.01061	0.00947
0.27	0.02114	0.01970	0.01839	0.01719	0.01609	0.01509	0.01416	0.01253	0.01114	0.00995
0.28	0.02219	0.02068	0.01930	0.01804	0.01689	0.01583	0.01486	0.01315	0.01169	0.01044
0.29	0.02327	0.02168	0.02024	0.01892	0.01771	0.01660	0.01559	0.01379	0.01226	0.01095
0.30	0.02438	0.02272	0.02121	0.01982	0.01856	0.01740	0.01633	0.01445	0.01285	0.01147
0.31	0.02554	0.02380	0.02221	0.02076	0.01944	0.01822	0.01711	0.01514	0.01346	0.01202
0.32	0.02673	0.02491	0.02325	0.02173	0.02035	0.01908	0.01791	0.01584	0.01409	0.01258
0.33	0.02797	0.02606	0.02433	0.02274	0.02129	0.01996	0.01874	0.01658	0.01474	0.01316

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.34	0.02926	0.02726	0.02545	0.02379	0.02227	0.02088	0.01960	0.01734	0.01542	0.01377
0.35	0.03059	0.02851	0.02661	0.02487	0.02329	0.02183	0.02049	0.01813	0.01612	0.01439
0.36	0.03198	0.02980	0.02782	0.02600	0.02434	0.02282	0.02143	0.01896	0.01685	0.01505
0.37	0.03343	0.03115	0.02907	0.02718	0.02544	0.02385	0.02239	0.01981	0.01761	0.01573
0.38	0.03494	0.03256	0.03039	0.02841	0.02659	0.02493	0.02341	0.02071	0.01841	0.01644
0.39	0.03651	0.03402	0.03175	0.02968	0.02779	0.02605	0.02446	0.02164	0.01924	0.01718
0.40	0.03815	0.03555	0.03318	0.03102	0.02904	0.02723	0.02556	0.02261	0.02010	0.01795
0.41	0.03987	0.03716	0.03468	0.03242	0.03035	0.02845	0.02671	0.02363	0.02101	0.01876
0.42	0.04167	0.03883	0.03625	0.03388	0.03172	0.02974	0.02792	0.02470	0.02196	0.01961
0.43	0.04356	0.04059	0.03789	0.03542	0.03316	0.03108	0.02918	0.02582	0.02295	0.02050
0.44	0.04554	0.04244	0.03961	0.03703	0.03466	0.03250	0.03051	0.02699	0.02400	0.02143
0.45	0.04762	0.04437	0.04142	0.03872	0.03625	0.03398	0.03190	0.02822	0.02509	0.02241
0.46	0.04981	0.04641	0.04332	0.04050	0.03791	0.03554	0.03337	0.02952	0.02624	0.02344
0.47	0.05211	0.04856	0.04533	0.04237	0.03967	0.03719	0.03491	0.03089	0.02746	0.02452
0.48	0.05454	0.05083	0.04744	0.04435	0.04152	0.03892	0.03654	0.03233	0.02874	0.02566
0.49	0.05711	0.05322	0.04967	0.04643	0.04347	0.04075	0.03826	0.03385	0.03009	0.02687
0.50	0.05983	0.05575	0.05203	0.04864	0.04554	0.04269	0.04008	0.03546	0.03152	0.02815
0.51	0.06270	0.05843	0.05453	0.05098	0.04772	0.04474	0.04200	0.03716	0.03304	0.02950
0.52	0.06575	0.06127	0.05718	0.05345	0.05004	0.04692	0.04405	0.03897	0.03464	0.03093
0.53	0.06898	0.06428	0.06000	0.05609	0.05251	0.04923	0.04621	0.04089	0.03635	0.03246
0.54	0.07242	0.06749	0.06299	0.05888	0.05513	0.05168	0.04852	0.04293	0.03816	0.03408
0.55	0.07609	0.07090	0.06618	0.06186	0.05792	0.05430	0.05097	0.04510	0.04009	0.03580
0.56	0.08000	0.07455	0.06958	0.06504	0.06089	0.05709	0.05359	0.04741	0.04215	0.03764
0.57	0.08417	0.07844	0.07321	0.06844	0.06407	0.06007	0.05639	0.04989	0.04435	0.03960
0.58	0.08865	0.08260	0.07710	0.07207	0.06747	0.06326	0.05939	0.05254	0.04671	0.04171
0.59	0.09344	0.08707	0.08127	0.07597	0.07112	0.06668	0.06260	0.05538	0.04923	0.04396
0.60	0.09859	0.09187	0.08575	0.08016	0.07504	0.07035	0.06605	0.05843	0.05195	0.04639
0.61	0.10413	0.09704	0.09057	0.08466	0.07926	0.07431	0.06976	0.06172	0.05487	0.04900
0.62	0.11011	0.10261	0.09577	0.08953	0.08381	0.07858	0.07377	0.06526	0.05802	0.05181
0.63	0.11657	0.10863	0.10139	0.09478	0.08873	0.08319	0.07810	0.06909	0.06142	0.05485
0.64	0.12358	0.11515	0.10748	0.10047	0.09406	0.08818	0.08279	0.07324	0.06511	0.05814
0.65	0.13118	0.12223	0.11409	0.10665	0.09985	0.09361	0.08788	0.07775	0.06912	0.06172
0.66	0.13945	0.12994	0.12128	0.11338	0.10614	0.09951	0.09342	0.08265	0.07348	0.06561
0.67	0.14848	0.13836	0.12914	0.12072	0.11301	0.10595	0.09947	0.08800	0.07823	0.06986

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.68	0.15836	0.14756	0.13773	0.12875	0.12053	0.11300	0.10609	0.09386	0.08344	0.07451
0.69	0.16920	0.15767	0.14716	0.13756	0.12879	0.12074	0.11335	0.10028	0.08915	0.07961
0.70	0.18113	0.16879	0.15754	0.14727	0.13787	0.12926	0.12135	0.10736	0.09544	0.08523
0.71	0.19432	0.18107	0.16901	0.15799	0.14791	0.13867	0.13018	0.11517	0.10239	0.09143
0.72	0.20893	0.19469	0.18172	0.16987	0.15903	0.14909	0.13997	0.12383	0.11009	0.09830
0.73	0.22519	0.20984	0.19586	0.18309	0.17140	0.16069	0.15086	0.13347	0.11865	0.10595
0.74	0.24335	0.22676	0.21165	0.19785	0.18523	0.17365	0.16302	0.14423	0.12822	0.11450
0.75	0.26372	0.24575	0.22937	0.21442	0.20073	0.18819	0.17667	0.15631	0.13896	0.12408
0.76	0.28669	0.26715	0.24934	0.23309	0.21821	0.20458	0.19206	0.16992	0.15106	0.13489
0.77	0.31270	0.29139	0.27197	0.25424	0.23802	0.22314	0.20949	0.18534	0.16477	0.14713
0.78	0.34234	0.31900	0.29774	0.27833	0.26057	0.24429	0.22934	0.20290	0.18038	0.16107
0.79	0.37629	0.35065	0.32728	0.30594	0.28642	0.26852	0.25209	0.22303	0.19827	0.17705
0.80	0.41546	0.38714	0.36134	0.33778	0.31623	0.29647	0.27833	0.24624	0.21891	0.19548
0.81	0.46096	0.42954	0.40092	0.37478	0.35086	0.32894	0.30881	0.27321	0.24289	0.21689
0.82	0.51424	0.47919	0.44726	0.41810	0.39142	0.36696	0.34450	0.30479	0.27096	0.24196
0.83	0.57719	0.53785	0.50201	0.46928	0.43934	0.41188	0.38667	0.34210	0.30413	0.27157
0.84	0.65230	0.60784	0.56733	0.53034	0.49650	0.46548	0.43699	0.38662	0.34370	0.30691
0.85	0.74291	0.69228	0.64614	0.60401	0.56547	0.53014	0.49769	0.44033	0.39145	0.34954
0.86	0.85361	0.79543	0.74242	0.69402	0.64973	0.60914	0.57185	0.50594	0.44978	0.40163
0.87	0.99082	0.92328	0.86175	0.80557	0.75417	0.70704	0.66377	0.58726	0.52207	0.46619
0.88	1.16372	1.08440	1.01213	0.94615	0.88577	0.83043	0.77960	0.68974	0.61318	0.54754
0.89	1.38588	1.29142	1.20535	1.12677	1.05487	0.98896	0.92843	0.82141	0.73023	0.65207
0.90	1.67795	1.56358	1.45938	1.36423	1.27718	1.19738	1.12409	0.99453	0.88413	0.78949
0.91	2.07268	1.93141	1.80270	1.68517	1.57764	1.47906	1.38854	1.22849	1.09212	0.97521
0.92	2.62451	2.44563	2.28265	2.13383	1.99767	1.87285	1.75822	1.55556	1.38289	1.23485
0.93	3.42938	3.19564	2.98267	2.78821	2.61030	2.44720	2.29742	2.03261	1.80698	1.61355
0.94	4.66944	4.35119	4.06120	3.79643	3.55418	3.33211	3.12816	2.76760	2.46038	2.19701
0.95	6.72601	6.26758	5.84989	5.46850	5.11955	4.79968	4.50590	3.98653	3.54401	3.16464
0.96	10.51192	9.79546	9.14265	8.54658	8.00123	7.50130	7.04217	6.23046	5.53886	4.94594
0.97	18.69131	17.41736	16.25659	15.19673	14.22703	13.33810	12.52172	11.07841	9.84867	8.79440
0.98	42.06091	39.19414	36.58209	34.19708	32.01496	30.01463	28.17752	24.92967	22.16238	19.78997
0.99	168.25621	156.78828	146.33929	136.79853	128.06943	120.06748	112.71851	99.72613	88.65616	79.16582

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.00028	0.00026	0.00023	0.00021	0.00019	0.00017	0.00016	0.00015	0.00013	0.00012
0.02	0.00057	0.00051	0.00046	0.00042	0.00038	0.00035	0.00032	0.00029	0.00027	0.00025
0.03	0.00085	0.00077	0.00069	0.00063	0.00057	0.00052	0.00048	0.00044	0.00040	0.00037
0.04	0.00114	0.00103	0.00093	0.00084	0.00076	0.00070	0.00064	0.00058	0.00054	0.00049
0.05	0.00143	0.00128	0.00116	0.00105	0.00096	0.00087	0.00080	0.00073	0.00067	0.00062
0.06	0.00172	0.00154	0.00140	0.00126	0.00115	0.00105	0.00096	0.00088	0.00081	0.00074
0.07	0.00201	0.00181	0.00163	0.00148	0.00134	0.00123	0.00112	0.00103	0.00094	0.00087
0.08	0.00230	0.00207	0.00187	0.00170	0.00154	0.00141	0.00129	0.00118	0.00108	0.00100
0.09	0.00260	0.00234	0.00211	0.00191	0.00174	0.00159	0.00145	0.00133	0.00122	0.00113
0.10	0.00290	0.00261	0.00236	0.00213	0.00194	0.00177	0.00162	0.00148	0.00136	0.00126
0.11	0.00320	0.00288	0.00260	0.00236	0.00214	0.00195	0.00179	0.00164	0.00151	0.00139
0.12	0.00351	0.00316	0.00285	0.00258	0.00235	0.00214	0.00196	0.00180	0.00165	0.00152
0.13	0.00382	0.00344	0.00311	0.00281	0.00256	0.00233	0.00213	0.00196	0.00180	0.00166
0.14	0.00414	0.00372	0.00336	0.00305	0.00277	0.00253	0.00231	0.00212	0.00195	0.00179
0.15	0.00446	0.00401	0.00362	0.00328	0.00299	0.00272	0.00249	0.00228	0.00210	0.00193
0.16	0.00478	0.00431	0.00389	0.00353	0.00321	0.00292	0.00267	0.00245	0.00225	0.00207
0.17	0.00512	0.00461	0.00416	0.00377	0.00343	0.00313	0.00286	0.00262	0.00241	0.00222
0.18	0.00546	0.00491	0.00444	0.00402	0.00366	0.00333	0.00305	0.00279	0.00257	0.00237
0.19	0.00581	0.00523	0.00472	0.00428	0.00389	0.00355	0.00324	0.00297	0.00273	0.00252
0.20	0.00616	0.00555	0.00501	0.00454	0.00413	0.00376	0.00344	0.00315	0.00290	0.00267
0.21	0.00653	0.00587	0.00531	0.00481	0.00437	0.00399	0.00364	0.00334	0.00307	0.00283
0.22	0.00690	0.00621	0.00561	0.00508	0.00462	0.00421	0.00385	0.00353	0.00325	0.00299
0.23	0.00728	0.00655	0.00592	0.00536	0.00488	0.00445	0.00407	0.00373	0.00343	0.00316
0.24	0.00767	0.00691	0.00624	0.00565	0.00514	0.00469	0.00429	0.00393	0.00361	0.00333
0.25	0.00808	0.00727	0.00657	0.00595	0.00541	0.00493	0.00451	0.00414	0.00380	0.00350
0.26	0.00849	0.00764	0.00690	0.00626	0.00569	0.00519	0.00474	0.00435	0.00400	0.00368
0.27	0.00892	0.00803	0.00725	0.00657	0.00598	0.00545	0.00498	0.00457	0.00420	0.00387
0.28	0.00936	0.00843	0.00761	0.00690	0.00627	0.00572	0.00523	0.00479	0.00440	0.00406
0.29	0.00982	0.00884	0.00798	0.00723	0.00658	0.00600	0.00548	0.00503	0.00462	0.00425
0.30	0.01029	0.00926	0.00836	0.00758	0.00689	0.00628	0.00575	0.00527	0.00484	0.00446
0.31	0.01077	0.00970	0.00876	0.00794	0.00722	0.00658	0.00602	0.00552	0.00507	0.00467
0.32	0.01128	0.01015	0.00917	0.00831	0.00756	0.00689	0.00630	0.00577	0.00531	0.00489
0.33	0.01180	0.01062	0.00959	0.00870	0.00791	0.00721	0.00659	0.00604	0.00555	0.00511

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.34	0.01234	0.01111	0.01004	0.00909	0.00827	0.00754	0.00689	0.00632	0.00581	0.00535
0.35	0.01291	0.01162	0.01049	0.00951	0.00865	0.00788	0.00721	0.00661	0.00607	0.00559
0.36	0.01349	0.01214	0.01097	0.00994	0.00904	0.00824	0.00754	0.00691	0.00635	0.00585
0.37	0.01410	0.01269	0.01147	0.01039	0.00945	0.00861	0.00788	0.00722	0.00664	0.00611
0.38	0.01474	0.01327	0.01198	0.01086	0.00987	0.00900	0.00823	0.00755	0.00693	0.00639
0.39	0.01540	0.01386	0.01252	0.01135	0.01032	0.00941	0.00860	0.00789	0.00725	0.00668
0.40	0.01610	0.01449	0.01309	0.01186	0.01078	0.00983	0.00899	0.00824	0.00757	0.00698
0.41	0.01682	0.01514	0.01368	0.01240	0.01127	0.01028	0.00940	0.00861	0.00791	0.00729
0.42	0.01758	0.01582	0.01429	0.01295	0.01178	0.01074	0.00982	0.00900	0.00827	0.00762
0.43	0.01838	0.01654	0.01494	0.01354	0.01231	0.01123	0.01026	0.00941	0.00865	0.00796
0.44	0.01921	0.01729	0.01562	0.01416	0.01287	0.01174	0.01073	0.00984	0.00904	0.00833
0.45	0.02009	0.01808	0.01633	0.01480	0.01346	0.01227	0.01122	0.01029	0.00945	0.00871
0.46	0.02101	0.01891	0.01708	0.01548	0.01408	0.01284	0.01174	0.01076	0.00989	0.00911
0.47	0.02199	0.01979	0.01788	0.01620	0.01473	0.01343	0.01228	0.01126	0.01034	0.00953
0.48	0.02301	0.02071	0.01871	0.01696	0.01542	0.01406	0.01285	0.01178	0.01083	0.00997
0.49	0.02409	0.02169	0.01959	0.01775	0.01614	0.01472	0.01346	0.01234	0.01134	0.01044
0.50	0.02524	0.02272	0.02052	0.01860	0.01691	0.01542	0.01410	0.01292	0.01188	0.01094
0.51	0.02645	0.02381	0.02151	0.01949	0.01772	0.01616	0.01477	0.01354	0.01245	0.01146
0.52	0.02774	0.02497	0.02255	0.02044	0.01858	0.01694	0.01549	0.01420	0.01305	0.01202
0.53	0.02910	0.02619	0.02366	0.02144	0.01950	0.01778	0.01625	0.01490	0.01369	0.01261
0.54	0.03055	0.02750	0.02484	0.02251	0.02047	0.01866	0.01706	0.01564	0.01438	0.01324
0.55	0.03210	0.02889	0.02610	0.02365	0.02150	0.01961	0.01793	0.01644	0.01510	0.01391
0.56	0.03375	0.03038	0.02744	0.02487	0.02261	0.02062	0.01885	0.01728	0.01588	0.01463
0.57	0.03551	0.03196	0.02887	0.02617	0.02379	0.02169	0.01983	0.01818	0.01671	0.01539
0.58	0.03740	0.03366	0.03041	0.02756	0.02505	0.02284	0.02089	0.01915	0.01760	0.01621
0.59	0.03942	0.03548	0.03205	0.02905	0.02641	0.02408	0.02202	0.02018	0.01855	0.01708
0.60	0.04159	0.03744	0.03382	0.03065	0.02786	0.02541	0.02323	0.02130	0.01957	0.01803
0.61	0.04393	0.03954	0.03572	0.03237	0.02943	0.02684	0.02454	0.02249	0.02067	0.01904
0.62	0.04645	0.04181	0.03777	0.03423	0.03112	0.02838	0.02595	0.02378	0.02186	0.02013
0.63	0.04918	0.04427	0.03999	0.03624	0.03295	0.03004	0.02747	0.02518	0.02314	0.02131
0.64	0.05213	0.04692	0.04239	0.03842	0.03493	0.03185	0.02912	0.02669	0.02453	0.02259
0.65	0.05534	0.04981	0.04499	0.04078	0.03707	0.03380	0.03091	0.02833	0.02604	0.02398
0.66	0.05883	0.05295	0.04783	0.04335	0.03941	0.03594	0.03286	0.03012	0.02768	0.02550
0.67	0.06264	0.05638	0.05093	0.04616	0.04196	0.03826	0.03498	0.03207	0.02947	0.02715

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.68	0.06681	0.06013	0.05432	0.04923	0.04476	0.04081	0.03731	0.03420	0.03143	0.02895
0.69	0.07138	0.06425	0.05803	0.05260	0.04782	0.04360	0.03987	0.03655	0.03359	0.03093
0.70	0.07642	0.06878	0.06213	0.05631	0.05119	0.04668	0.04268	0.03913	0.03595	0.03312
0.71	0.08198	0.07379	0.06665	0.06041	0.05492	0.05008	0.04579	0.04197	0.03857	0.03553
0.72	0.08814	0.07934	0.07166	0.06495	0.05905	0.05384	0.04923	0.04513	0.04147	0.03820
0.73	0.09500	0.08551	0.07724	0.07000	0.06364	0.05803	0.05306	0.04864	0.04470	0.04117
0.74	0.10266	0.09240	0.08347	0.07565	0.06878	0.06271	0.05734	0.05256	0.04830	0.04449
0.75	0.11126	0.10014	0.09046	0.08198	0.07453	0.06796	0.06214	0.05696	0.05235	0.04822
0.76	0.12095	0.10886	0.09833	0.08912	0.08102	0.07388	0.06755	0.06192	0.05691	0.05242
0.77	0.13192	0.11874	0.10726	0.09721	0.08838	0.08058	0.07368	0.06754	0.06207	0.05717
0.78	0.14442	0.12999	0.11742	0.10642	0.09675	0.08822	0.08066	0.07394	0.06795	0.06259
0.79	0.15875	0.14289	0.12907	0.11698	0.10635	0.09697	0.08866	0.08128	0.07469	0.06880
0.80	0.17527	0.15776	0.14250	0.12915	0.11742	0.10706	0.09789	0.08974	0.08247	0.07596
0.81	0.19447	0.17504	0.15811	0.14330	0.13028	0.11879	0.10861	0.09957	0.09150	0.08428
0.82	0.21695	0.19527	0.17639	0.15986	0.14534	0.13252	0.12117	0.11108	0.10208	0.09402
0.83	0.24350	0.21917	0.19798	0.17943	0.16313	0.14874	0.13600	0.12467	0.11457	0.10553
0.84	0.27519	0.24769	0.22374	0.20278	0.18436	0.16810	0.15370	0.14090	0.12948	0.11926
0.85	0.31342	0.28210	0.25482	0.23095	0.20996	0.19145	0.17505	0.16047	0.14746	0.13583
0.86	0.36012	0.32413	0.29279	0.26536	0.24125	0.21998	0.20113	0.18438	0.16944	0.15607
0.87	0.41800	0.37623	0.33985	0.30801	0.28003	0.25533	0.23346	0.21402	0.19667	0.18115
0.88	0.49094	0.44189	0.39916	0.36176	0.32889	0.29980	0.27420	0.25136	0.23099	0.21277
0.89	0.58467	0.52625	0.47536	0.43082	0.39168	0.35714	0.32655	0.29935	0.27509	0.25338
0.90	0.70788	0.63715	0.57554	0.52162	0.47423	0.43241	0.39537	0.36244	0.33306	0.30678
0.91	0.87441	0.78704	0.71093	0.64433	0.58579	0.53413	0.48838	0.44770	0.41142	0.37895
0.92	1.10722	0.99658	0.90021	0.81587	0.74175	0.67634	0.61840	0.56689	0.52095	0.47985
0.93	1.44677	1.30221	1.17628	1.06608	0.96922	0.88375	0.80805	0.74075	0.68072	0.62700
0.94	1.96992	1.77308	1.60162	1.45157	1.31969	1.20332	1.10024	1.00860	0.92686	0.85372
0.95	2.83754	2.55400	2.30702	2.09089	1.90093	1.73330	1.58482	1.45282	1.33508	1.22973
0.96	4.43472	3.99159	3.60559	3.26780	2.97091	2.70893	2.47687	2.27058	2.08657	1.92192
0.97	7.88540	7.09747	6.41112	5.81049	5.28260	4.81677	4.40414	4.03732	3.71014	3.41737
0.98	17.74445	15.97138	14.42689	13.07529	11.88739	10.83914	9.91060	9.08516	8.34890	7.69009
0.99	70.98309	63.89031	57.71188	52.30508	47.55312	43.35979	39.64535	36.34334	33.39808	30.76266

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.00011	0.00011	0.00010	0.00009	0.00008	0.00008	0.00007	0.00007	0.00006	0.00006
0.02	0.00023	0.00021	0.00019	0.00018	0.00017	0.00016	0.00015	0.00014	0.00013	0.00012
0.03	0.00034	0.00032	0.00029	0.00027	0.00025	0.00024	0.00022	0.00021	0.00019	0.00018
0.04	0.00046	0.00042	0.00039	0.00036	0.00034	0.00031	0.00029	0.00027	0.00026	0.00024
0.05	0.00057	0.00053	0.00049	0.00045	0.00042	0.00039	0.00037	0.00034	0.00032	0.00030
0.06	0.00069	0.00064	0.00059	0.00055	0.00051	0.00047	0.00044	0.00041	0.00039	0.00036
0.07	0.00080	0.00074	0.00069	0.00064	0.00059	0.00055	0.00052	0.00048	0.00045	0.00042
0.08	0.00092	0.00085	0.00079	0.00073	0.00068	0.00064	0.00059	0.00055	0.00052	0.00049
0.09	0.00104	0.00096	0.00089	0.00083	0.00077	0.00072	0.00067	0.00063	0.00059	0.00055
0.10	0.00116	0.00107	0.00099	0.00092	0.00086	0.00080	0.00075	0.00070	0.00065	0.00061
0.11	0.00128	0.00118	0.00110	0.00102	0.00095	0.00088	0.00082	0.00077	0.00072	0.00068
0.12	0.00140	0.00130	0.00120	0.00112	0.00104	0.00097	0.00090	0.00084	0.00079	0.00074
0.13	0.00153	0.00141	0.00131	0.00122	0.00113	0.00105	0.00098	0.00092	0.00086	0.00081
0.14	0.00165	0.00153	0.00142	0.00132	0.00123	0.00114	0.00107	0.00100	0.00093	0.00087
0.15	0.00178	0.00165	0.00153	0.00142	0.00132	0.00123	0.00115	0.00107	0.00101	0.00094
0.16	0.00191	0.00177	0.00164	0.00152	0.00142	0.00132	0.00123	0.00115	0.00108	0.00101
0.17	0.00205	0.00189	0.00176	0.00163	0.00152	0.00141	0.00132	0.00123	0.00115	0.00108
0.18	0.00218	0.00202	0.00187	0.00174	0.00162	0.00151	0.00141	0.00132	0.00123	0.00115
0.19	0.00232	0.00215	0.00199	0.00185	0.00172	0.00160	0.00150	0.00140	0.00131	0.00123
0.20	0.00247	0.00228	0.00211	0.00196	0.00183	0.00170	0.00159	0.00148	0.00139	0.00130
0.21	0.00261	0.00241	0.00224	0.00208	0.00193	0.00180	0.00168	0.00157	0.00147	0.00138
0.22	0.00276	0.00255	0.00237	0.00220	0.00204	0.00190	0.00178	0.00166	0.00156	0.00146
0.23	0.00291	0.00269	0.00250	0.00232	0.00216	0.00201	0.00188	0.00175	0.00164	0.00154
0.24	0.00307	0.00284	0.00263	0.00244	0.00227	0.00212	0.00198	0.00185	0.00173	0.00162
0.25	0.00323	0.00299	0.00277	0.00257	0.00239	0.00223	0.00208	0.00195	0.00182	0.00171
0.26	0.00340	0.00314	0.00291	0.00270	0.00252	0.00234	0.00219	0.00205	0.00192	0.00180
0.27	0.00357	0.00330	0.00306	0.00284	0.00264	0.00246	0.00230	0.00215	0.00201	0.00189
0.28	0.00374	0.00346	0.00321	0.00298	0.00277	0.00258	0.00241	0.00225	0.00211	0.00198
0.29	0.00393	0.00363	0.00337	0.00313	0.00291	0.00271	0.00253	0.00236	0.00221	0.00208
0.30	0.00412	0.00381	0.00353	0.00328	0.00305	0.00284	0.00265	0.00248	0.00232	0.00217
0.31	0.00431	0.00399	0.00370	0.00343	0.00319	0.00297	0.00278	0.00260	0.00243	0.00228
0.32	0.00451	0.00417	0.00387	0.00359	0.00334	0.00311	0.00291	0.00272	0.00254	0.00238
0.33	0.00472	0.00437	0.00405	0.00376	0.00350	0.00326	0.00304	0.00284	0.00266	0.00249

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.34	0.00494	0.00457	0.00423	0.00393	0.00366	0.00341	0.00318	0.00297	0.00278	0.00261
0.35	0.00516	0.00478	0.00443	0.00411	0.00382	0.00356	0.00333	0.00311	0.00291	0.00273
0.36	0.00540	0.00499	0.00463	0.00430	0.00400	0.00373	0.00348	0.00325	0.00304	0.00285
0.37	0.00564	0.00522	0.00484	0.00449	0.00418	0.00389	0.00363	0.00340	0.00318	0.00298
0.38	0.00590	0.00545	0.00506	0.00469	0.00437	0.00407	0.00380	0.00355	0.00332	0.00312
0.39	0.00616	0.00570	0.00528	0.00491	0.00456	0.00425	0.00397	0.00371	0.00347	0.00326
0.40	0.00644	0.00596	0.00552	0.00513	0.00477	0.00444	0.00415	0.00388	0.00363	0.00340
0.41	0.00673	0.00623	0.00577	0.00536	0.00498	0.00464	0.00433	0.00405	0.00379	0.00356
0.42	0.00703	0.00651	0.00603	0.00560	0.00521	0.00485	0.00453	0.00424	0.00397	0.00372
0.43	0.00735	0.00680	0.00630	0.00585	0.00545	0.00507	0.00474	0.00443	0.00414	0.00389
0.44	0.00769	0.00711	0.00659	0.00612	0.00569	0.00530	0.00495	0.00463	0.00433	0.00406
0.45	0.00804	0.00743	0.00689	0.00640	0.00595	0.00555	0.00518	0.00484	0.00453	0.00425
0.46	0.00841	0.00778	0.00721	0.00669	0.00623	0.00580	0.00542	0.00506	0.00474	0.00444
0.47	0.00880	0.00814	0.00754	0.00700	0.00651	0.00607	0.00567	0.00530	0.00496	0.00465
0.48	0.00921	0.00852	0.00789	0.00733	0.00682	0.00635	0.00593	0.00554	0.00519	0.00487
0.49	0.00964	0.00892	0.00826	0.00767	0.00714	0.00665	0.00621	0.00580	0.00543	0.00509
0.50	0.01010	0.00934	0.00866	0.00804	0.00748	0.00697	0.00650	0.00608	0.00569	0.00534
0.51	0.01058	0.00979	0.00907	0.00843	0.00784	0.00730	0.00682	0.00637	0.00597	0.00559
0.52	0.01110	0.01026	0.00951	0.00883	0.00822	0.00766	0.00715	0.00668	0.00626	0.00586
0.53	0.01164	0.01077	0.00998	0.00927	0.00862	0.00804	0.00750	0.00701	0.00656	0.00615
0.54	0.01222	0.01131	0.01048	0.00973	0.00905	0.00844	0.00787	0.00736	0.00689	0.00646
0.55	0.01284	0.01188	0.01101	0.01022	0.00951	0.00886	0.00827	0.00773	0.00724	0.00679
0.56	0.01350	0.01249	0.01158	0.01075	0.01000	0.00932	0.00870	0.00813	0.00761	0.00714
0.57	0.01421	0.01314	0.01218	0.01131	0.01052	0.00980	0.00915	0.00855	0.00801	0.00751
0.58	0.01496	0.01384	0.01283	0.01191	0.01108	0.01033	0.00964	0.00901	0.00843	0.00791
0.59	0.01577	0.01459	0.01352	0.01256	0.01168	0.01088	0.01016	0.00950	0.00889	0.00833
0.60	0.01664	0.01539	0.01427	0.01325	0.01232	0.01148	0.01072	0.01002	0.00938	0.00879
0.61	0.01758	0.01626	0.01507	0.01399	0.01302	0.01213	0.01132	0.01058	0.00991	0.00929
0.62	0.01858	0.01719	0.01593	0.01480	0.01376	0.01283	0.01197	0.01119	0.01048	0.00982
0.63	0.01967	0.01820	0.01687	0.01566	0.01457	0.01358	0.01267	0.01185	0.01109	0.01040
0.64	0.02086	0.01929	0.01788	0.01660	0.01545	0.01439	0.01343	0.01256	0.01176	0.01102
0.65	0.02214	0.02048	0.01898	0.01763	0.01640	0.01528	0.01426	0.01333	0.01248	0.01170
0.66	0.02354	0.02177	0.02018	0.01874	0.01743	0.01624	0.01516	0.01417	0.01327	0.01244
0.67	0.02506	0.02318	0.02148	0.01995	0.01856	0.01729	0.01614	0.01509	0.01413	0.01324



L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.68	0.02673	0.02472	0.02291	0.02128	0.01979	0.01845	0.01722	0.01609	0.01507	0.01413
0.69	0.02856	0.02642	0.02448	0.02274	0.02115	0.01971	0.01839	0.01720	0.01610	0.01509
0.70	0.03057	0.02828	0.02621	0.02434	0.02264	0.02110	0.01969	0.01841	0.01723	0.01616
0.71	0.03280	0.03034	0.02812	0.02611	0.02429	0.02263	0.02113	0.01975	0.01849	0.01733
0.72	0.03526	0.03262	0.03023	0.02807	0.02612	0.02434	0.02271	0.02123	0.01988	0.01864
0.73	0.03801	0.03516	0.03259	0.03026	0.02815	0.02623	0.02448	0.02289	0.02143	0.02009
0.74	0.04107	0.03799	0.03521	0.03270	0.03042	0.02835	0.02646	0.02473	0.02315	0.02171
0.75	0.04451	0.04117	0.03816	0.03544	0.03297	0.03072	0.02867	0.02680	0.02509	0.02352
0.76	0.04839	0.04476	0.04148	0.03852	0.03584	0.03339	0.03117	0.02914	0.02728	0.02557
0.77	0.05278	0.04882	0.04525	0.04202	0.03909	0.03642	0.03400	0.03178	0.02975	0.02789
0.78	0.05778	0.05345	0.04954	0.04600	0.04279	0.03988	0.03722	0.03479	0.03257	0.03054
0.79	0.06351	0.05875	0.05445	0.05056	0.04704	0.04383	0.04091	0.03824	0.03580	0.03357
0.80	0.07012	0.06486	0.06012	0.05583	0.05193	0.04839	0.04517	0.04222	0.03953	0.03706
0.81	0.07780	0.07197	0.06670	0.06194	0.05762	0.05369	0.05011	0.04685	0.04386	0.04112
0.82	0.08679	0.08028	0.07441	0.06910	0.06428	0.05990	0.05591	0.05226	0.04893	0.04587
0.83	0.09742	0.09011	0.08352	0.07756	0.07215	0.06723	0.06275	0.05866	0.05492	0.05149
0.84	0.11009	0.10184	0.09439	0.08765	0.08154	0.07598	0.07092	0.06629	0.06206	0.05819
0.85	0.12538	0.11598	0.10750	0.09983	0.09286	0.08653	0.08077	0.07550	0.07068	0.06627
0.86	0.14407	0.13327	0.12352	0.11470	0.10670	0.09943	0.09280	0.08675	0.08122	0.07614
0.87	0.16722	0.15469	0.14337	0.13314	0.12385	0.11541	0.10772	0.10070	0.09427	0.08838
0.88	0.19641	0.18168	0.16839	0.15637	0.14546	0.13555	0.12652	0.11827	0.11072	0.10380
0.89	0.23390	0.21637	0.20054	0.18622	0.17323	0.16143	0.15067	0.14085	0.13186	0.12362
0.90	0.28320	0.26196	0.24280	0.22547	0.20974	0.19545	0.18242	0.17053	0.15965	0.14967
0.91	0.34982	0.32359	0.29992	0.27851	0.25909	0.24143	0.22534	0.21065	0.19720	0.18488
0.92	0.44295	0.40974	0.37978	0.35266	0.32806	0.30570	0.28533	0.26673	0.24971	0.23411
0.93	0.57879	0.53540	0.49624	0.46081	0.42867	0.39946	0.37283	0.34853	0.32629	0.30590
0.94	0.78808	0.72900	0.67568	0.62744	0.58368	0.54390	0.50765	0.47455	0.44427	0.41651
0.95	1.13518	1.05008	0.97327	0.90378	0.84075	0.78345	0.73124	0.68356	0.63994	0.59996
0.96	1.77415	1.64114	1.52111	1.41250	1.31399	1.22443	1.14283	1.06832	1.00015	0.93766
0.97	3.15462	2.91812	2.70469	2.51157	2.33641	2.17717	2.03207	1.89959	1.77838	1.66726
0.98	7.09881	6.56663	6.08634	5.65178	5.25761	4.89927	4.57276	4.27463	4.00187	3.75183
0.99	28.39738	26.26849	24.34720	22.60879	21.03203	19.59854	18.29241	17.09982	16.00868	15.00844

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
0.01	0.00006	0.00005	0.00005	0.00005	0.00004	0.00004	0.00004	0.00004	0.00004	0.00003
0.02	0.00011	0.00011	0.00010	0.00009	0.00009	0.00008	0.00008	0.00007	0.00007	0.00007
0.03	0.00017	0.00016	0.00015	0.00014	0.00013	0.00013	0.00012	0.00011	0.00011	0.00010
0.04	0.00023	0.00021	0.00020	0.00019	0.00018	0.00017	0.00016	0.00015	0.00014	0.00014
0.05	0.00028	0.00027	0.00025	0.00024	0.00022	0.00021	0.00020	0.00019	0.00018	0.00017
0.06	0.00034	0.00032	0.00030	0.00028	0.00027	0.00025	0.00024	0.00023	0.00021	0.00020
0.07	0.00040	0.00037	0.00035	0.00033	0.00031	0.00030	0.00028	0.00026	0.00025	0.00024
0.08	0.00046	0.00043	0.00040	0.00038	0.00036	0.00034	0.00032	0.00030	0.00029	0.00027
0.09	0.00052	0.00048	0.00046	0.00043	0.00041	0.00038	0.00036	0.00034	0.00032	0.00031
0.10	0.00058	0.00054	0.00051	0.00048	0.00045	0.00043	0.00040	0.00038	0.00036	0.00034
0.11	0.00064	0.00060	0.00056	0.00053	0.00050	0.00047	0.00045	0.00042	0.00040	0.00038
0.12	0.00070	0.00065	0.00062	0.00058	0.00055	0.00052	0.00049	0.00046	0.00044	0.00042
0.13	0.00076	0.00071	0.00067	0.00063	0.00060	0.00056	0.00053	0.00050	0.00048	0.00045
0.14	0.00082	0.00077	0.00073	0.00068	0.00065	0.00061	0.00058	0.00055	0.00052	0.00049
0.15	0.00088	0.00083	0.00078	0.00074	0.00070	0.00066	0.00062	0.00059	0.00056	0.00053
0.16	0.00095	0.00089	0.00084	0.00079	0.00075	0.00071	0.00067	0.00063	0.00060	0.00057
0.17	0.00102	0.00096	0.00090	0.00085	0.00080	0.00075	0.00071	0.00068	0.00064	0.00061
0.18	0.00108	0.00102	0.00096	0.00090	0.00085	0.00080	0.00076	0.00072	0.00068	0.00065
0.19	0.00115	0.00108	0.00102	0.00096	0.00091	0.00086	0.00081	0.00077	0.00073	0.00069
0.20	0.00122	0.00115	0.00108	0.00102	0.00096	0.00091	0.00086	0.00081	0.00077	0.00073
0.21	0.00130	0.00122	0.00115	0.00108	0.00102	0.00096	0.00091	0.00086	0.00082	0.00077
0.22	0.00137	0.00129	0.00121	0.00114	0.00108	0.00102	0.00096	0.00091	0.00086	0.00082
0.23	0.00145	0.00136	0.00128	0.00120	0.00114	0.00107	0.00101	0.00096	0.00091	0.00086
0.24	0.00152	0.00143	0.00135	0.00127	0.00120	0.00113	0.00107	0.00101	0.00096	0.00091
0.25	0.00160	0.00151	0.00142	0.00134	0.00126	0.00119	0.00113	0.00107	0.00101	0.00096
0.26	0.00169	0.00158	0.00149	0.00141	0.00133	0.00125	0.00118	0.00112	0.00106	0.00101
0.27	0.00177	0.00166	0.00157	0.00148	0.00139	0.00132	0.00124	0.00118	0.00111	0.00106
0.28	0.00186	0.00175	0.00164	0.00155	0.00146	0.00138	0.00130	0.00124	0.00117	0.00111
0.29	0.00195	0.00183	0.00172	0.00162	0.00153	0.00145	0.00137	0.00130	0.00123	0.00116
0.30	0.00204	0.00192	0.00181	0.00170	0.00161	0.00152	0.00143	0.00136	0.00129	0.00122
0.31	0.00214	0.00201	0.00189	0.00178	0.00168	0.00159	0.00150	0.00142	0.00135	0.00128
0.32	0.00224	0.00210	0.00198	0.00187	0.00176	0.00166	0.00157	0.00149	0.00141	0.00134
0.33	0.00234	0.00220	0.00207	0.00195	0.00184	0.00174	0.00165	0.00156	0.00148	0.00140

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.34	0.00245	0.00230	0.00217	0.00204	0.00193	0.00182	0.00172	0.00163	0.00154	0.00146
0.35	0.00256	0.00241	0.00227	0.00214	0.00201	0.00190	0.00180	0.00170	0.00161	0.00153
0.36	0.00268	0.00252	0.00237	0.00223	0.00211	0.00199	0.00188	0.00178	0.00169	0.00160
0.37	0.00280	0.00263	0.00248	0.00233	0.00220	0.00208	0.00197	0.00186	0.00176	0.00167
0.38	0.00293	0.00275	0.00259	0.00244	0.00230	0.00217	0.00205	0.00194	0.00184	0.00175
0.39	0.00306	0.00287	0.00270	0.00255	0.00240	0.00227	0.00215	0.00203	0.00193	0.00183
0.40	0.00320	0.00300	0.00283	0.00266	0.00251	0.00237	0.00224	0.00212	0.00201	0.00191
0.41	0.00334	0.00314	0.00295	0.00278	0.00263	0.00248	0.00235	0.00222	0.00210	0.00199
0.42	0.00349	0.00328	0.00309	0.00291	0.00274	0.00259	0.00245	0.00232	0.00220	0.00208
0.43	0.00365	0.00343	0.00323	0.00304	0.00287	0.00271	0.00256	0.00242	0.00230	0.00218
0.44	0.00381	0.00358	0.00337	0.00318	0.00300	0.00283	0.00268	0.00253	0.00240	0.00228
0.45	0.00399	0.00375	0.00353	0.00332	0.00314	0.00296	0.00280	0.00265	0.00251	0.00238
0.46	0.00417	0.00392	0.00369	0.00348	0.00328	0.00310	0.00293	0.00277	0.00263	0.00249
0.47	0.00436	0.00410	0.00386	0.00364	0.00343	0.00324	0.00307	0.00290	0.00275	0.00261
0.48	0.00457	0.00429	0.00404	0.00381	0.00359	0.00339	0.00321	0.00304	0.00288	0.00273
0.49	0.00478	0.00450	0.00423	0.00399	0.00376	0.00355	0.00336	0.00318	0.00301	0.00286
0.50	0.00501	0.00471	0.00443	0.00418	0.00394	0.00372	0.00352	0.00333	0.00315	0.00299
0.51	0.00525	0.00494	0.00465	0.00438	0.00413	0.00390	0.00369	0.00349	0.00331	0.00314
0.52	0.00551	0.00518	0.00487	0.00459	0.00433	0.00409	0.00387	0.00366	0.00347	0.00329
0.53	0.00578	0.00543	0.00511	0.00482	0.00454	0.00429	0.00406	0.00384	0.00364	0.00345
0.54	0.00606	0.00570	0.00537	0.00506	0.00477	0.00451	0.00426	0.00403	0.00382	0.00362
0.55	0.00637	0.00599	0.00564	0.00531	0.00501	0.00473	0.00448	0.00424	0.00401	0.00380
0.56	0.00670	0.00630	0.00593	0.00559	0.00527	0.00498	0.00470	0.00445	0.00422	0.00400
0.57	0.00705	0.00663	0.00624	0.00588	0.00554	0.00524	0.00495	0.00469	0.00444	0.00421
0.58	0.00742	0.00698	0.00657	0.00619	0.00584	0.00551	0.00521	0.00493	0.00467	0.00443
0.59	0.00782	0.00736	0.00692	0.00652	0.00615	0.00581	0.00550	0.00520	0.00493	0.00467
0.60	0.00826	0.00776	0.00730	0.00688	0.00649	0.00613	0.00580	0.00549	0.00520	0.00493
0.61	0.00872	0.00820	0.00772	0.00727	0.00686	0.00648	0.00612	0.00580	0.00549	0.00521
0.62	0.00922	0.00867	0.00816	0.00769	0.00725	0.00685	0.00648	0.00613	0.00581	0.00551
0.63	0.00976	0.00918	0.00864	0.00814	0.00768	0.00725	0.00686	0.00649	0.00615	0.00583
0.64	0.01035	0.00973	0.00916	0.00863	0.00814	0.00769	0.00727	0.00688	0.00652	0.00618
0.65	0.01098	0.01033	0.00972	0.00916	0.00864	0.00816	0.00771	0.00730	0.00692	0.00656
0.66	0.01168	0.01098	0.01033	0.00974	0.00918	0.00867	0.00820	0.00776	0.00735	0.00697
0.67	0.01243	0.01169	0.01100	0.01037	0.00978	0.00924	0.00873	0.00826	0.00783	0.00742

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
X	DB/DX	DB/DX	DB/DX	DB/DX	UB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.68	0.01326	0.01247	0.01173	0.01106	0.01043	0.00985	0.00931	0.00881	0.00835	0.00792
0.69	0.01417	0.01332	0.01254	0.01181	0.01114	0.01053	0.00995	0.00942	0.00892	0.00846
0.70	0.01517	0.01426	0.01342	0.01265	0.01193	0.01127	0.01065	0.01008	0.00955	0.00906
0.71	0.01627	0.01530	0.01440	0.01357	0.01280	0.01209	0.01143	0.01082	0.01025	0.00972
0.72	0.01750	0.01645	0.01548	0.01459	0.01376	0.01300	0.01229	0.01163	0.01102	0.01045
0.73	0.01886	0.01773	0.01668	0.01572	0.01483	0.01401	0.01324	0.01253	0.01188	0.01126
0.74	0.02038	0.01916	0.01803	0.01699	0.01603	0.01514	0.01431	0.01355	0.01283	0.01217
0.75	0.02208	0.02076	0.01954	0.01841	0.01737	0.01641	0.01551	0.01468	0.01391	0.01319
0.76	0.02401	0.02257	0.02124	0.02002	0.01888	0.01783	0.01686	0.01596	0.01512	0.01434
0.77	0.02619	0.02462	0.02317	0.02183	0.02060	0.01945	0.01839	0.01741	0.01649	0.01564
0.78	0.02867	0.02695	0.02536	0.02390	0.02255	0.02130	0.02013	0.01906	0.01805	0.01712
0.79	0.03151	0.02962	0.02788	0.02627	0.02478	0.02341	0.02213	0.02095	0.01984	0.01882
0.80	0.03479	0.03270	0.03078	0.02901	0.02736	0.02584	0.02443	0.02313	0.02191	0.02078
0.81	0.03860	0.03629	0.03415	0.03218	0.03036	0.02867	0.02711	0.02566	0.02431	0.02305
0.82	0.04306	0.04048	0.03810	0.03590	0.03387	0.03199	0.03024	0.02862	0.02712	0.02572
0.83	0.04833	0.04544	0.04276	0.04030	0.03802	0.03590	0.03395	0.03213	0.03044	0.02886
0.84	0.05462	0.05135	0.04833	0.04554	0.04296	0.04058	0.03836	0.03631	0.03440	0.03262
0.85	0.06221	0.05848	0.05504	0.05187	0.04893	0.04621	0.04369	0.04135	0.03918	0.03715
0.86	0.07148	0.06719	0.06324	0.05959	0.05622	0.05310	0.05020	0.04751	0.04501	0.04269
0.87	0.08297	0.07799	0.07341	0.06917	0.06526	0.06163	0.05827	0.05515	0.05225	0.04955
0.88	0.09745	0.09160	0.08622	0.08124	0.07665	0.07239	0.06844	0.06478	0.06137	0.05819
0.89	0.11605	0.10909	0.10268	0.09675	0.09128	0.08621	0.08151	0.07714	0.07308	0.06930
0.90	0.14051	0.13208	0.12432	0.11715	0.11052	0.10438	0.09869	0.09340	0.08849	0.08391
0.91	0.17357	0.16316	0.15356	0.14470	0.13652	0.12893	0.12190	0.11537	0.10930	0.10365
0.92	0.21978	0.20659	0.19444	0.18323	0.17286	0.16326	0.15436	0.14609	0.13840	0.13124
0.93	0.28718	0.26995	0.25408	0.23942	0.22587	0.21333	0.20169	0.19089	0.18085	0.17149
0.94	0.39102	0.36757	0.34595	0.32600	0.30755	0.29047	0.27463	0.25992	0.24624	0.23351
0.95	0.56324	0.52945	0.49832	0.46957	0.44300	0.41840	0.39558	0.37439	0.35469	0.33635
0.96	0.88027	0.82747	0.77881	0.73389	0.69236	0.65390	0.61824	0.58513	0.55434	0.52567
0.97	1.56521	1.47133	1.38480	1.30493	1.23108	1.16271	1.09930	1.04042	0.98567	0.93470
0.98	3.52219	3.31092	3.11621	2.93647	2.77030	2.61643	2.47375	2.34125	2.21806	2.10335
0.99	14.08981	13.24466	12.46577	11.74677	11.08202	10.46650	9.89573	9.36571	8.87289	8.41404

L	5.80	5.90	6.00	6.10	6.20	6.30				
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.	0.	0.	0.	0.	0.	0.				
0.01	0.00003	0.00003	0.00003	0.00003	0.00003	0.00003				
0.02	0.00006	0.00006	0.00006	0.00006	0.00005	0.00005				
0.03	0.00010	0.00009	0.00009	0.00008	0.00008	0.00007				
0.04	0.00013	0.00012	0.00012	0.00011	0.00010	0.00010				
0.05	0.00016	0.00015	0.00015	0.00014	0.00013	0.00013				
0.06	0.00019	0.00018	0.00017	0.00017	0.00016	0.00015				
0.07	0.00023	0.00021	0.00020	0.00019	0.00018	0.00018				
0.08	0.00026	0.00025	0.00023	0.00022	0.00021	0.00020				
0.09	0.00029	0.00028	0.00026	0.00025	0.00024	0.00023				
0.10	0.00033	0.00031	0.00029	0.00028	0.00027	0.00025				
0.11	0.00036	0.00034	0.00033	0.00031	0.00029	0.00028				
0.12	0.00039	0.00037	0.00036	0.00034	0.00032	0.00031				
0.13	0.00043	0.00041	0.00039	0.00037	0.00035	0.00034				
0.14	0.00047	0.00044	0.00042	0.00040	0.00038	0.00036				
0.15	0.00050	0.00048	0.00045	0.00043	0.00041	0.00039				
0.16	0.00054	0.00051	0.00049	0.00046	0.00044	0.00042				
0.17	0.00058	0.00055	0.00052	0.00050	0.00047	0.00045				
0.18	0.00061	0.00058	0.00055	0.00053	0.00050	0.00048				
0.19	0.00065	0.00062	0.00059	0.00056	0.00053	0.00051				
0.20	0.00069	0.00066	0.00063	0.00060	0.00057	0.00054				
0.21	0.00073	0.00070	0.00066	0.00063	0.00060	0.00057				
0.22	0.00078	0.00074	0.00070	0.00067	0.00064	0.00061				
0.23	0.00082	0.00078	0.00074	0.00070	0.00067	0.00064				
0.24	0.00086	0.00082	0.00078	0.00074	0.00071	0.00067				
0.25	0.00091	0.00086	0.00082	0.00078	0.00074	0.00071				
0.26	0.00096	0.00091	0.00086	0.00082	0.00078	0.00075				
0.27	0.00100	0.00095	0.00091	0.00086	0.00082	0.00078				
0.28	0.00105	0.00100	0.00095	0.00091	0.00086	0.00082				
0.29	0.00110	0.00105	0.00100	0.00095	0.00090	0.00086				
0.30	0.00116	0.00110	0.00105	0.00099	0.00095	0.00090				
0.31	0.00121	0.00115	0.00109	0.00104	0.00099	0.00095				
0.32	0.00127	0.00121	0.00115	0.00109	0.00104	0.00099				
0.33	0.00133	0.00126	0.00120	0.00114	0.00109	0.00104				

L	5.80	5.90	6.00	6.10	6.20	6.30				
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.34	0.00139	0.00132	0.00125	0.00119	0.00114	0.00108				
0.35	0.00145	0.00138	0.00131	0.00125	0.00119	0.00113				
0.36	0.00152	0.00144	0.00137	0.00130	0.00124	0.00118				
0.37	0.00159	0.00151	0.00143	0.00136	0.00130	0.00124				
0.38	0.00166	0.00158	0.00150	0.00143	0.00136	0.00129				
0.39	0.00173	0.00165	0.00157	0.00149	0.00142	0.00135				
0.40	0.00181	0.00172	0.00164	0.00156	0.00148	0.00141				
0.41	0.00189	0.00180	0.00171	0.00163	0.00155	0.00148				
0.42	0.00198	0.00188	0.00179	0.00170	0.00162	0.00154				
0.43	0.00207	0.00196	0.00187	0.00178	0.00169	0.00161				
0.44	0.00216	0.00205	0.00195	0.00186	0.00177	0.00169				
0.45	0.00226	0.00215	0.00204	0.00194	0.00185	0.00176				
0.46	0.00236	0.00225	0.00214	0.00203	0.00194	0.00184				
0.47	0.00247	0.00235	0.00223	0.00213	0.00203	0.00193				
0.48	0.00259	0.00246	0.00234	0.00223	0.00212	0.00202				
0.49	0.00271	0.00258	0.00245	0.00233	0.00222	0.00212				
0.50	0.00284	0.00270	0.00257	0.00244	0.00232	0.00222				
0.51	0.00298	0.00283	0.00269	0.00256	0.00244	0.00232				
0.52	0.00312	0.00296	0.00282	0.00268	0.00255	0.00244				
0.53	0.00327	0.00311	0.00296	0.00281	0.00268	0.00255				
0.54	0.00344	0.00327	0.00311	0.00295	0.00281	0.00268				
0.55	0.00361	0.00343	0.00326	0.00310	0.00296	0.00282				
0.56	0.00380	0.00361	0.00343	0.00326	0.00311	0.00296				
0.57	0.00400	0.00380	0.00361	0.00343	0.00327	0.00312				
0.58	0.00421	0.00400	0.00380	0.00362	0.00344	0.00328				
0.59	0.00444	0.00421	0.00401	0.00381	0.00363	0.00346				
0.60	0.00468	0.00445	0.00423	0.00402	0.00383	0.00365				
0.61	0.00494	0.00470	0.00446	0.00425	0.00405	0.00386				
0.62	0.00523	0.00497	0.00472	0.00449	0.00428	0.00408				
0.63	0.00553	0.00526	0.00500	0.00476	0.00453	0.00432				
0.64	0.00587	0.00557	0.00530	0.00504	0.00480	0.00458				
0.65	0.00623	0.00591	0.00562	0.00535	0.00510	0.00486				
0.66	0.00662	0.00629	0.00598	0.00569	0.00542	0.00516				
0.67	0.00705	0.00670	0.00637	0.00606	0.00577	0.00550				

L	5.80	5.90	6.00	6.10	6.20	6.30				
X	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX	DB/DX
0.68	0.00752	0.00714	0.00679	0.00646	0.00615	0.00587				
0.69	0.00803	0.00763	0.00725	0.00690	0.00657	0.00627				
0.70	0.00860	0.00817	0.00777	0.00739	0.00704	0.00671				
0.71	0.00922	0.00876	0.00833	0.00793	0.00755	0.00720				
0.72	0.00992	0.00942	0.00896	0.00852	0.00812	0.00774				
0.73	0.01069	0.01015	0.00965	0.00919	0.00875	0.00834				
0.74	0.01155	0.01097	0.01043	0.00993	0.00946	0.00901				
0.75	0.01252	0.01189	0.01131	0.01076	0.01025	0.00977				
0.76	0.01361	0.01293	0.01229	0.01170	0.01114	0.01062				
0.77	0.01484	0.01410	0.01341	0.01276	0.01215	0.01158				
0.78	0.01625	0.01544	0.01468	0.01397	0.01330	0.01268				
0.79	0.01786	0.01697	0.01613	0.01535	0.01462	0.01394				
0.80	0.01972	0.01873	0.01781	0.01695	0.01614	0.01539				
0.81	0.02188	0.02079	0.01976	0.01881	0.01791	0.01707				
0.82	0.02441	0.02319	0.02205	0.02098	0.01998	0.01905				
0.83	0.02740	0.02603	0.02475	0.02355	0.02243	0.02138				
0.84	0.03096	0.02941	0.02797	0.02661	0.02535	0.02416				
0.85	0.03526	0.03350	0.03185	0.03031	0.02887	0.02752				
0.86	0.04052	0.03849	0.03660	0.03483	0.03317	0.03162				
0.87	0.04703	0.04468	0.04248	0.04043	0.03850	0.03670				
0.88	0.05524	0.05247	0.04989	0.04748	0.04522	0.04310				
0.89	0.06578	0.06249	0.05942	0.05654	0.05385	0.05133				
0.90	0.07964	0.07566	0.07194	0.06846	0.06520	0.06215				
0.91	0.09838	0.09346	0.08887	0.08457	0.08054	0.07677				
0.92	0.12457	0.11835	0.11253	0.10708	0.10198	0.09720				
0.93	0.16278	0.15464	0.14703	0.13992	0.13326	0.12701				
0.94	0.22164	0.21056	0.20020	0.19052	0.18145	0.17294				
0.95	0.31925	0.30329	0.28838	0.27443	0.26136	0.24911				
0.96	0.49895	0.47401	0.45070	0.42889	0.40847	0.38933				
0.97	0.88718	0.84283	0.80139	0.76262	0.72631	0.69227				
0.98	1.99642	1.89662	1.80336	1.71612	1.63441	1.55781				
0.99	7.98629	7.58705	7.21398	6.86498	6.53814	6.23171				

Table 8

Invariant Radius, R, as a Function of x and L

$$R(x,L) = pLS(p); p = (1 - x^2)^{1/3}$$

x no Units

R in Earth-Radii

L in Earth-Radii



L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
X	R	R	R	R	R	R	R	R	R	R
0.	1.10000	1.15000	1.20000	1.25000	1.30000	1.35000	1.40000	1.45000	1.50000	1.55000
0.01	1.09998	1.14997	1.19997	1.24997	1.29997	1.34997	1.39997	1.44997	1.49997	1.54997
0.02	1.09990	1.14990	1.19989	1.24989	1.29988	1.34988	1.39988	1.44987	1.49987	1.54986
0.03	1.09978	1.14977	1.19976	1.24975	1.29974	1.34973	1.39972	1.44971	1.49970	1.54969
0.04	1.09961	1.14959	1.19957	1.24956	1.29954	1.34952	1.39950	1.44948	1.49947	1.54945
0.05	1.09939	1.14936	1.19933	1.24930	1.29928	1.34925	1.39922	1.44919	1.49917	1.54914
0.06	1.09912	1.14908	1.19904	1.24900	1.29896	1.34892	1.39888	1.44884	1.49880	1.54876
0.07	1.09880	1.14874	1.19869	1.24864	1.29858	1.34853	1.39847	1.44842	1.49836	1.54831
0.08	1.09843	1.14836	1.19829	1.24822	1.29814	1.34807	1.39800	1.44793	1.49786	1.54779
0.09	1.09801	1.14792	1.19783	1.24774	1.29765	1.34756	1.39747	1.44738	1.49729	1.54720
0.10	1.09754	1.14743	1.19732	1.24721	1.29710	1.34698	1.39687	1.44676	1.49665	1.54654
0.11	1.09702	1.14689	1.19675	1.24662	1.29648	1.34635	1.39621	1.44608	1.49594	1.54580
0.12	1.09645	1.14629	1.19613	1.24597	1.29581	1.34565	1.39549	1.44532	1.49516	1.54500
0.13	1.09583	1.14564	1.19545	1.24526	1.29507	1.34488	1.39469	1.44450	1.49431	1.54413
0.14	1.09516	1.14494	1.19472	1.24450	1.29428	1.34406	1.39384	1.44362	1.49340	1.54318
0.15	1.09443	1.14418	1.19393	1.24367	1.29342	1.34317	1.39291	1.44266	1.49241	1.54216
0.16	1.09365	1.14337	1.19308	1.24279	1.29250	1.34221	1.39192	1.44164	1.49135	1.54106
0.17	1.09282	1.14250	1.19217	1.24185	1.29152	1.34119	1.39087	1.44054	1.49021	1.53989
0.18	1.09194	1.14157	1.19121	1.24084	1.29047	1.34011	1.38974	1.43937	1.48901	1.53864
0.19	1.09100	1.14059	1.19018	1.23977	1.28936	1.33896	1.38855	1.43814	1.48773	1.53732
0.20	1.09001	1.13955	1.18910	1.23864	1.28819	1.33774	1.38728	1.43683	1.48637	1.53592
0.21	1.08896	1.13846	1.18795	1.23745	1.28695	1.33645	1.38595	1.43544	1.48494	1.53444
0.22	1.08785	1.13730	1.18675	1.23620	1.28564	1.33509	1.38454	1.43399	1.48344	1.53288
0.23	1.08669	1.13608	1.18548	1.23487	1.28427	1.33366	1.38306	1.43245	1.48185	1.53124
0.24	1.08547	1.13481	1.18415	1.23349	1.28283	1.33217	1.38151	1.43085	1.48019	1.52952
0.25	1.08419	1.13347	1.18275	1.23203	1.28132	1.33060	1.37988	1.42916	1.47844	1.52772
0.26	1.08285	1.13207	1.18129	1.23051	1.27973	1.32895	1.37817	1.42739	1.47651	1.52584
0.27	1.08145	1.13061	1.17976	1.22892	1.27808	1.32724	1.37639	1.42555	1.47471	1.52386
0.28	1.07999	1.12908	1.17817	1.22726	1.27635	1.32544	1.37453	1.42362	1.47271	1.52180
0.29	1.07847	1.12749	1.17651	1.22553	1.27455	1.32357	1.37259	1.42161	1.47063	1.51966
0.30	1.07688	1.12583	1.17478	1.22372	1.27267	1.32162	1.37057	1.41952	1.46847	1.51742
0.31	1.07522	1.12410	1.17297	1.22185	1.27072	1.31959	1.36847	1.41734	1.46621	1.51509
0.32	1.07350	1.12230	1.17110	1.21989	1.26869	1.31748	1.36628	1.41507	1.46387	1.51266
0.33	1.07172	1.12043	1.16915	1.21786	1.26657	1.31529	1.36400	1.41272	1.46143	1.51015

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
X	K	R	R	R	R	R	R	R	R	R
0.34	1.06986	1.11849	1.16712	1.21575	1.26438	1.31301	1.36164	1.41027	1.45890	1.50753
0.35	1.06793	1.11647	1.16502	1.21356	1.26210	1.31064	1.35919	1.40773	1.45627	1.50481
0.36	1.06593	1.11438	1.16284	1.21129	1.25974	1.30819	1.35664	1.40509	1.45354	1.50200
0.37	1.06386	1.11222	1.16057	1.20893	1.25729	1.30565	1.35400	1.40236	1.45072	1.49907
0.38	1.06171	1.10997	1.15823	1.20649	1.25475	1.30301	1.35127	1.39953	1.44779	1.49605
0.39	1.05948	1.10764	1.15580	1.20396	1.25212	1.30027	1.34843	1.39659	1.44475	1.49291
0.40	1.05718	1.10523	1.15328	1.20134	1.24939	1.29744	1.34550	1.39355	1.44160	1.48966
0.41	1.05479	1.10273	1.15068	1.19862	1.24657	1.29451	1.34246	1.39040	1.43835	1.48629
0.42	1.05232	1.10015	1.14798	1.19582	1.24365	1.29148	1.33931	1.38715	1.43498	1.48281
0.43	1.04976	1.09748	1.14519	1.19291	1.24063	1.28834	1.33606	1.38378	1.43149	1.47921
0.44	1.04712	1.09471	1.14231	1.18990	1.23750	1.28510	1.33269	1.38029	1.42789	1.47548
0.45	1.04438	1.09185	1.13932	1.18680	1.23427	1.28174	1.32921	1.37668	1.42416	1.47163
0.46	1.04155	1.08889	1.13624	1.18358	1.23092	1.27827	1.32561	1.37295	1.42030	1.46764
0.47	1.03863	1.08584	1.13305	1.18026	1.22747	1.27468	1.32189	1.36910	1.41631	1.46352
0.48	1.03560	1.08267	1.12975	1.17682	1.22389	1.27097	1.31804	1.36511	1.41218	1.45926
0.49	1.03248	1.07941	1.12634	1.17327	1.22020	1.26713	1.31406	1.36099	1.40792	1.45485
0.50	1.02924	1.07603	1.12281	1.16959	1.21638	1.26316	1.30995	1.35673	1.40351	1.45030
0.51	1.02590	1.07253	1.11917	1.16580	1.21243	1.25906	1.30569	1.35233	1.39896	1.44559
0.52	1.02245	1.06892	1.11540	1.16187	1.20835	1.25482	1.30130	1.34777	1.39425	1.44072
0.53	1.01888	1.06519	1.11150	1.15782	1.20413	1.25044	1.29675	1.34307	1.38938	1.43569
0.54	1.01519	1.06133	1.10748	1.15362	1.19977	1.24591	1.29206	1.33820	1.38435	1.43049
0.55	1.01137	1.05734	1.10331	1.14929	1.19526	1.24123	1.28720	1.33317	1.37914	1.42512
0.56	1.00743	1.05322	1.09901	1.14480	1.19059	1.23639	1.28218	1.32797	1.37376	1.41956
0.57	1.00335	1.04895	1.09456	1.14017	1.18577	1.23138	1.27699	1.32259	1.36820	1.41380
0.58	0.99912	1.04454	1.08995	1.13537	1.18078	1.22620	1.27161	1.31703	1.36244	1.40786
0.59	0.99476	1.03997	1.08519	1.13041	1.17562	1.22084	1.26606	1.31127	1.35649	1.40170
0.60	0.99024	1.03525	1.08026	1.12527	1.17028	1.21529	1.26030	1.30532	1.35033	1.39534
0.61	0.98556	1.03036	1.07516	1.11996	1.16476	1.20955	1.25435	1.29915	1.34395	1.38875
0.62	0.98072	1.02530	1.06988	1.11445	1.15903	1.20351	1.24819	1.29277	1.33735	1.38192
0.63	0.97570	1.02006	1.06441	1.10876	1.15311	1.19746	1.24181	1.28616	1.33051	1.37486
0.64	0.97051	1.01462	1.05874	1.10285	1.14697	1.19108	1.23519	1.27931	1.32342	1.36754
0.65	0.96512	1.00899	1.05286	1.09673	1.14060	1.18447	1.22834	1.27221	1.31608	1.35995
0.66	0.95954	1.00315	1.04677	1.09039	1.13400	1.17762	1.22123	1.26485	1.30846	1.35208
0.67	0.95375	0.99710	1.04045	1.08380	1.12715	1.17051	1.21386	1.25721	1.30056	1.34391

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
X	R	R	R	R	R	R	R	R	R	R
0.68	0.94773	0.99081	1.03389	1.07697	1.12005	1.16313	1.20621	1.24928	1.29236	1.33544
0.69	0.94149	0.98428	1.02708	1.06987	1.11267	1.15546	1.19826	1.24105	1.28385	1.32664
0.70	0.93500	0.97750	1.02000	1.06250	1.10500	1.14750	1.19000	1.23250	1.27500	1.31750
0.71	0.92825	0.97044	1.01264	1.05483	1.09702	1.13922	1.18141	1.22360	1.26580	1.30799
0.72	0.92123	0.96310	1.00498	1.04685	1.08872	1.13060	1.17247	1.21435	1.25622	1.29809
0.73	0.91391	0.95546	0.99700	1.03854	1.08008	1.12162	1.16316	1.20471	1.24625	1.28779
0.74	0.90629	0.94749	0.98868	1.02988	1.07107	1.11227	1.15346	1.19466	1.23585	1.27705
0.75	0.89834	0.93917	0.98001	1.02084	1.06167	1.10251	1.14334	1.18417	1.22501	1.26584
0.76	0.89003	0.93049	0.97094	1.01140	1.05186	1.09231	1.13277	1.17322	1.21368	1.25414
0.77	0.88135	0.92141	0.96147	1.00153	1.04159	1.08165	1.12171	1.16178	1.20184	1.24190
0.78	0.87225	0.91190	0.95155	0.99120	1.03085	1.07049	1.11014	1.14979	1.18944	1.22909
0.79	0.86272	0.90194	0.94115	0.98037	1.01958	1.05880	1.09801	1.13722	1.17644	1.21565
0.80	0.85272	0.89147	0.93023	0.96899	1.00775	1.04651	1.08527	1.12403	1.16279	1.20155
0.81	0.84219	0.88047	0.91875	0.95704	0.99532	1.03360	1.07188	1.11016	1.14844	1.18672
0.82	0.83110	0.86888	0.90666	0.94444	0.98221	1.01999	1.05777	1.09555	1.13332	1.17110
0.83	0.81940	0.85664	0.89389	0.93113	0.96838	1.00562	1.04287	1.08012	1.11736	1.15461
0.84	0.80701	0.84369	0.88038	0.91706	0.95374	0.99042	1.02711	1.06379	1.10047	1.13715
0.85	0.79387	0.82995	0.86604	0.90212	0.93821	0.97429	1.01038	1.04646	1.08255	1.11863
0.86	0.77989	0.81533	0.85078	0.88623	0.92168	0.95713	0.99258	1.02803	1.06348	1.09893
0.87	0.76495	0.79973	0.83450	0.86927	0.90404	0.93881	0.97358	1.00835	1.04312	1.07789
0.88	0.74895	0.78299	0.81704	0.85108	0.88512	0.91917	0.95321	0.98725	1.02130	1.05534
0.89	0.73172	0.76497	0.79823	0.83149	0.86475	0.89801	0.93127	0.96453	0.99779	1.03105
0.90	0.71306	0.74547	0.77788	0.81029	0.84270	0.87511	0.90752	0.93994	0.97235	1.00476
0.91	0.69272	0.72421	0.75569	0.78718	0.81867	0.85016	0.88164	0.91313	0.94462	0.97611
0.92	0.67038	0.70085	0.73133	0.76180	0.79227	0.82274	0.85321	0.88369	0.91416	0.94463
0.93	0.64560	0.67494	0.70429	0.73363	0.76298	0.79233	0.82167	0.85102	0.88036	0.90971
0.94	0.61775	0.64582	0.67390	0.70198	0.73006	0.75814	0.78622	0.81430	0.84238	0.87046
0.95	0.58590	0.61253	0.63917	0.66580	0.69243	0.71906	0.74569	0.77233	0.79896	0.82559
0.96	0.54861	0.57355	0.59848	0.62342	0.64836	0.67330	0.69823	0.72317	0.74811	0.77304
0.97	0.50332	0.52619	0.54907	0.57195	0.59483	0.61771	0.64058	0.66346	0.68634	0.70922
0.98	0.44478	0.46500	0.48522	0.50543	0.52565	0.54587	0.56609	0.58630	0.60652	0.62674
0.99	0.35843	0.37472	0.39101	0.40731	0.42360	0.43989	0.45618	0.47248	0.48877	0.50506

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
X	R	R	R	R	R	R	R	R	R	R
0.	1.60000	1.65000	1.70000	1.75000	1.80000	1.85000	1.90000	1.95000	2.00000	2.05000
0.01	1.59996	1.64996	1.69996	1.74996	1.79996	1.84996	1.89996	1.94996	1.99996	2.04995
0.02	1.59986	1.64985	1.69985	1.74984	1.79984	1.84984	1.89983	1.94983	1.99982	2.04982
0.03	1.59968	1.64967	1.69966	1.74965	1.79964	1.84963	1.89962	1.94961	1.99960	2.04959
0.04	1.59943	1.64941	1.69940	1.74938	1.79936	1.84934	1.89932	1.94931	1.99929	2.04927
0.05	1.59911	1.64908	1.69905	1.74903	1.79900	1.84897	1.89894	1.94892	1.99889	2.04886
0.06	1.59872	1.64868	1.69864	1.74860	1.79856	1.84852	1.89848	1.94844	1.99840	2.04836
0.07	1.59825	1.64820	1.69814	1.74809	1.79803	1.84798	1.89793	1.94787	1.99782	2.04776
0.08	1.59772	1.64765	1.69757	1.74750	1.79743	1.84736	1.89729	1.94722	1.99715	2.04707
0.09	1.59711	1.64702	1.69693	1.74684	1.79675	1.84666	1.89657	1.94647	1.99638	2.04629
0.10	1.59643	1.64631	1.69620	1.74609	1.79598	1.84587	1.89575	1.94564	1.99553	2.04542
0.11	1.59567	1.64553	1.69540	1.74526	1.79513	1.84499	1.89486	1.94472	1.99459	2.04445
0.12	1.59484	1.64468	1.69452	1.74436	1.79420	1.84403	1.89387	1.94371	1.99355	2.04339
0.13	1.59394	1.64375	1.69356	1.74337	1.79318	1.84299	1.89280	1.94261	1.99242	2.04223
0.14	1.59296	1.64274	1.69252	1.74230	1.79208	1.84186	1.89164	1.94142	1.99120	2.04098
0.15	1.59190	1.64165	1.69140	1.74114	1.79089	1.84064	1.89038	1.94013	1.98988	2.03962
0.16	1.59077	1.64048	1.69019	1.73991	1.78962	1.83933	1.88904	1.93875	1.98846	2.03817
0.17	1.58956	1.63924	1.68891	1.73858	1.78826	1.83793	1.88761	1.93728	1.98695	2.03663
0.18	1.58828	1.63791	1.68754	1.73718	1.78681	1.83644	1.88608	1.93571	1.98534	2.03498
0.19	1.58691	1.63650	1.68609	1.73568	1.78527	1.83486	1.88446	1.93405	1.98364	2.03323
0.20	1.58546	1.63501	1.68456	1.73410	1.78365	1.83319	1.88274	1.93229	1.98183	2.03138
0.21	1.58394	1.63344	1.68293	1.73243	1.78193	1.83143	1.88093	1.93043	1.97992	2.02942
0.22	1.58233	1.63178	1.68123	1.73057	1.78012	1.82957	1.87902	1.92847	1.97791	2.02736
0.23	1.58064	1.63003	1.67943	1.72882	1.77822	1.82751	1.87701	1.92640	1.97580	2.02519
0.24	1.57886	1.62820	1.67754	1.72688	1.77622	1.82556	1.87490	1.92424	1.97358	2.02292
0.25	1.57700	1.62628	1.67557	1.72485	1.77413	1.82341	1.87269	1.92197	1.97125	2.02054
0.26	1.57506	1.62428	1.67350	1.72272	1.77194	1.82116	1.87038	1.91960	1.96882	2.01804
0.27	1.57302	1.62218	1.67133	1.72049	1.76965	1.81880	1.86796	1.91712	1.96627	2.01543
0.28	1.57089	1.61998	1.66908	1.71817	1.76726	1.81635	1.86544	1.91453	1.96362	2.01271
0.29	1.56868	1.61770	1.66672	1.71574	1.76476	1.81378	1.86280	1.91183	1.96085	2.00987
0.30	1.56637	1.61532	1.66426	1.71321	1.76216	1.81111	1.86006	1.90901	1.95796	2.00691
0.31	1.56396	1.61284	1.66171	1.71058	1.75946	1.80833	1.85721	1.90608	1.95495	2.00383
0.32	1.56146	1.61026	1.65905	1.70785	1.75664	1.80544	1.85423	1.90303	1.95183	2.00062
0.33	1.55886	1.60757	1.65629	1.70500	1.75372	1.80243	1.85115	1.89986	1.94858	1.99729

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
X	R	R	R	R	R	R	R	R	R	R
0.34	1.55616	1.60479	1.65342	1.70205	1.75068	1.79931	1.84794	1.89657	1.94520	1.99383
0.35	1.55336	1.60190	1.65044	1.69898	1.74753	1.79607	1.84461	1.89315	1.94170	1.99024
0.36	1.55045	1.59890	1.64735	1.69580	1.74425	1.79270	1.84116	1.88961	1.93806	1.98651
0.37	1.54743	1.59579	1.64415	1.69250	1.74086	1.78922	1.83757	1.88593	1.93429	1.98265
0.38	1.54431	1.59256	1.64082	1.68908	1.73734	1.78560	1.83386	1.88212	1.93038	1.97864
0.39	1.54107	1.58922	1.63738	1.68554	1.73370	1.78186	1.83002	1.87817	1.92633	1.97449
0.40	1.53771	1.58577	1.63382	1.68187	1.72993	1.77798	1.82603	1.87409	1.92214	1.97019
0.41	1.53424	1.58218	1.63013	1.67807	1.72602	1.77396	1.82191	1.86985	1.91780	1.96574
0.42	1.53064	1.57848	1.62631	1.67414	1.72198	1.76981	1.81764	1.86547	1.91331	1.96114
0.43	1.52693	1.57464	1.62236	1.67008	1.71779	1.76551	1.81322	1.86094	1.90866	1.95637
0.44	1.52308	1.57067	1.61827	1.66587	1.71346	1.76106	1.80866	1.85625	1.90385	1.95144
0.45	1.51910	1.56657	1.61404	1.66151	1.70899	1.75646	1.80393	1.85140	1.89887	1.94635
0.46	1.51498	1.56233	1.60967	1.65701	1.70436	1.75170	1.79904	1.84639	1.89373	1.94107
0.47	1.51073	1.55794	1.60515	1.65236	1.69957	1.74678	1.79399	1.84120	1.88841	1.93562
0.48	1.50633	1.55340	1.60048	1.64755	1.69462	1.74169	1.78877	1.83584	1.88291	1.92999
0.49	1.50178	1.54871	1.59564	1.64257	1.68951	1.73644	1.78337	1.83030	1.87723	1.92416
0.50	1.49708	1.54387	1.59065	1.63743	1.68422	1.73100	1.77778	1.82457	1.87135	1.91814
0.51	1.49222	1.53885	1.58549	1.63212	1.67875	1.72538	1.77201	1.81865	1.86528	1.91191
0.52	1.48720	1.53367	1.58015	1.62662	1.67310	1.71957	1.76605	1.81252	1.85900	1.90547
0.53	1.48201	1.52832	1.57463	1.62094	1.66726	1.71357	1.75988	1.80619	1.85251	1.89882
0.54	1.47664	1.52278	1.56893	1.61507	1.66122	1.70736	1.75351	1.79965	1.84580	1.89194
0.55	1.47109	1.51706	1.56303	1.60900	1.65497	1.70094	1.74692	1.79289	1.83886	1.88483
0.56	1.46535	1.51114	1.55693	1.60272	1.64852	1.69431	1.74010	1.78589	1.83168	1.87748
0.57	1.45941	1.50502	1.55062	1.59623	1.64184	1.68744	1.73305	1.77866	1.82426	1.86987
0.58	1.45327	1.49869	1.54410	1.58952	1.63493	1.68035	1.72576	1.77118	1.81659	1.86201
0.59	1.44692	1.49214	1.53735	1.58257	1.62779	1.67300	1.71822	1.76343	1.80865	1.85387
0.60	1.44035	1.48536	1.53037	1.57538	1.62039	1.66540	1.71041	1.75542	1.80044	1.84545
0.61	1.43355	1.47834	1.52314	1.56794	1.61274	1.65754	1.70234	1.74713	1.79193	1.83673
0.62	1.42650	1.47108	1.51566	1.56024	1.60481	1.64939	1.69397	1.73855	1.78313	1.82771
0.63	1.41921	1.46356	1.50791	1.55226	1.59661	1.64096	1.68531	1.72966	1.77401	1.81836
0.64	1.41165	1.45576	1.49988	1.54399	1.58811	1.63222	1.67633	1.72045	1.76456	1.80868
0.65	1.40382	1.44769	1.49155	1.53542	1.57929	1.62316	1.66703	1.71090	1.75477	1.79864
0.66	1.39569	1.43931	1.48292	1.52654	1.57015	1.61377	1.65739	1.70100	1.74462	1.78823
0.67	1.38727	1.43062	1.47397	1.51732	1.56067	1.60403	1.64738	1.69073	1.73408	1.77744

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
X	R	R	R	R	R	R	R	R	R	R
0.68	1.37852	1.42160	1.46468	1.50776	1.55084	1.59391	1.63699	1.68007	1.72315	1.76623
0.69	1.36944	1.41223	1.45503	1.49782	1.54062	1.58341	1.62621	1.66900	1.71180	1.75459
0.70	1.36000	1.40250	1.44500	1.48750	1.53000	1.57250	1.61500	1.65750	1.70000	1.74250
0.71	1.35018	1.39238	1.43457	1.47676	1.51896	1.56115	1.60334	1.64553	1.68773	1.72992
0.72	1.33997	1.38184	1.42372	1.46559	1.50746	1.54934	1.59121	1.63309	1.67496	1.71683
0.73	1.32933	1.37087	1.41241	1.45396	1.49550	1.53704	1.57858	1.62012	1.66166	1.70321
0.74	1.31824	1.35944	1.40063	1.44183	1.48302	1.52422	1.56541	1.60661	1.64780	1.68900
0.75	1.30667	1.34751	1.38834	1.42917	1.47001	1.51084	1.55168	1.59251	1.63334	1.67418
0.76	1.29459	1.33505	1.37550	1.41596	1.45642	1.49687	1.53733	1.57778	1.61824	1.65870
0.77	1.28196	1.32202	1.36208	1.40214	1.44220	1.48226	1.52233	1.56239	1.60245	1.64251
0.78	1.26873	1.30838	1.34803	1.38768	1.42732	1.46697	1.50662	1.54627	1.58592	1.62556
0.79	1.25487	1.29408	1.33330	1.37251	1.41173	1.45094	1.49016	1.52937	1.56859	1.60780
0.80	1.24031	1.27907	1.31783	1.35659	1.39535	1.43411	1.47287	1.51163	1.55039	1.58915
0.81	1.22501	1.26329	1.30157	1.33985	1.37813	1.41641	1.45469	1.49298	1.53126	1.56954
0.82	1.20888	1.24666	1.28443	1.32221	1.35999	1.39777	1.43554	1.47332	1.51110	1.54887
0.83	1.19185	1.22910	1.26634	1.30359	1.34083	1.37808	1.41532	1.45257	1.48981	1.52706
0.84	1.17383	1.21052	1.24720	1.28388	1.32056	1.35725	1.39393	1.43061	1.46729	1.50398
0.85	1.15472	1.19080	1.22689	1.26297	1.29906	1.33514	1.37123	1.40731	1.44340	1.47948
0.86	1.13438	1.16983	1.20528	1.24073	1.27618	1.31163	1.34707	1.38252	1.41797	1.45342
0.87	1.11266	1.14743	1.18220	1.21697	1.25174	1.28651	1.32129	1.35606	1.39083	1.42560
0.88	1.08938	1.12342	1.15747	1.19151	1.22555	1.25960	1.29364	1.32768	1.36173	1.39577
0.89	1.06431	1.09757	1.13083	1.16409	1.19735	1.23061	1.26387	1.29713	1.33039	1.36365
0.90	1.03717	1.06958	1.10199	1.13441	1.16682	1.19923	1.23164	1.26405	1.29646	1.32888
0.91	1.00759	1.03908	1.07057	1.10205	1.13354	1.16503	1.19652	1.22800	1.25949	1.29098
0.92	0.97510	1.00557	1.03605	1.06652	1.09699	1.12746	1.15793	1.18841	1.21888	1.24935
0.93	0.93905	0.96840	0.99774	1.02709	1.05643	1.08578	1.11512	1.14447	1.17382	1.20316
0.94	0.89854	0.92662	0.95470	0.98278	1.01086	1.03894	1.06702	1.09509	1.12317	1.15125
0.95	0.85222	0.87885	0.90549	0.93212	0.95875	0.98538	1.01201	1.03865	1.06528	1.09191
0.96	0.79798	0.82292	0.84785	0.87279	0.89773	0.92266	0.94760	0.97254	0.99747	1.02241
0.97	0.73210	0.75497	0.77785	0.80073	0.82361	0.84649	0.86936	0.89224	0.91512	0.93800
0.98	0.64695	0.66717	0.68739	0.70761	0.72782	0.74804	0.76826	0.78848	0.80869	0.82891
0.99	0.52135	0.53764	0.55394	0.57023	0.58652	0.60281	0.61911	0.63540	0.65169	0.66798

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
X	R	R	R	R	R	R	R	R	R	R
0.	2.10000	2.15000	2.20000	2.25000	2.30000	2.35000	2.40000	2.50000	2.60000	2.70000
0.01	2.09995	2.14995	2.19995	2.24995	2.29995	2.34995	2.39995	2.49994	2.59994	2.69994
0.02	2.09981	2.14981	2.19980	2.24980	2.29980	2.34979	2.39979	2.49978	2.59977	2.69976
0.03	2.09958	2.14957	2.19956	2.24955	2.29954	2.34953	2.39952	2.49950	2.59948	2.69946
0.04	2.09925	2.14923	2.19922	2.24920	2.29918	2.34916	2.39915	2.49911	2.59907	2.69904
0.05	2.09883	2.14880	2.19878	2.24875	2.29872	2.34869	2.39866	2.49861	2.59855	2.69850
0.06	2.09832	2.14828	2.19824	2.24820	2.29816	2.34812	2.39808	2.49800	2.59792	2.69784
0.07	2.09771	2.14765	2.19760	2.24754	2.29749	2.34743	2.39738	2.49727	2.59716	2.69705
0.08	2.09700	2.14693	2.19686	2.24679	2.29672	2.34665	2.39657	2.49643	2.59629	2.69615
0.09	2.09620	2.14611	2.19602	2.24593	2.29584	2.34575	2.39566	2.49548	2.59530	2.69512
0.10	2.09531	2.14520	2.19508	2.24497	2.29486	2.34475	2.39464	2.49441	2.59419	2.69397
0.11	2.09432	2.14418	2.19405	2.24391	2.29378	2.34364	2.39350	2.49323	2.59296	2.69269
0.12	2.09323	2.14307	2.19291	2.24274	2.29258	2.34242	2.39226	2.49194	2.59162	2.69129
0.13	2.09204	2.14185	2.19166	2.24147	2.29128	2.34109	2.39090	2.49053	2.59015	2.68977
0.14	2.09076	2.14054	2.19032	2.24010	2.28988	2.33966	2.38944	2.48900	2.58855	2.68811
0.15	2.08937	2.13912	2.18887	2.23861	2.28836	2.33811	2.38785	2.48735	2.58684	2.68633
0.16	2.08789	2.13760	2.18731	2.23702	2.28673	2.33644	2.38616	2.48558	2.58500	2.68443
0.17	2.08630	2.13597	2.18565	2.23532	2.28500	2.33467	2.38434	2.48369	2.58304	2.68239
0.18	2.08461	2.13425	2.18388	2.23351	2.28315	2.33278	2.38241	2.48168	2.58095	2.68022
0.19	2.08282	2.13241	2.18200	2.23159	2.28118	2.33077	2.38037	2.47955	2.57873	2.67791
0.20	2.08092	2.13047	2.18001	2.22956	2.27911	2.32865	2.37820	2.47729	2.57638	2.67547
0.21	2.07892	2.12842	2.17792	2.22741	2.27691	2.32641	2.37591	2.47490	2.57390	2.67290
0.22	2.07681	2.12626	2.17570	2.22515	2.27460	2.32405	2.37350	2.47239	2.57129	2.67018
0.23	2.07459	2.12398	2.17338	2.22277	2.27217	2.32156	2.37096	2.46975	2.56854	2.66733
0.24	2.07226	2.12160	2.17094	2.22028	2.26962	2.31896	2.36830	2.46698	2.56565	2.66433
0.25	2.06982	2.11910	2.16838	2.21766	2.26694	2.31622	2.36551	2.46407	2.56253	2.66119
0.26	2.06726	2.11648	2.16570	2.21492	2.26414	2.31336	2.36258	2.46102	2.55947	2.65791
0.27	2.06459	2.11375	2.16290	2.21206	2.26122	2.31037	2.35953	2.45784	2.55616	2.65447
0.28	2.06180	2.11089	2.15998	2.20907	2.25816	2.30725	2.35634	2.45452	2.55270	2.65088
0.29	2.05889	2.10791	2.15693	2.20595	2.25497	2.30399	2.35302	2.45106	2.54910	2.64714
0.30	2.05586	2.10481	2.15375	2.20270	2.25165	2.30060	2.34955	2.44745	2.54535	2.64324
0.31	2.05270	2.10157	2.15045	2.19932	2.24820	2.29707	2.34594	2.44369	2.54144	2.63919
0.32	2.04942	2.09821	2.14701	2.19580	2.24460	2.29340	2.34219	2.43978	2.53737	2.63496
0.33	2.04600	2.09472	2.14343	2.19215	2.24086	2.28958	2.33829	2.43572	2.53315	2.63058

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
X	R	R	R	R	R	R	R	R	R	R
0.34	2.04246	2.09109	2.13972	2.18835	2.23698	2.28561	2.33424	2.43150	2.52876	2.62602
0.35	2.03878	2.08732	2.13586	2.18441	2.23295	2.28149	2.33003	2.42712	2.52420	2.62129
0.36	2.03496	2.08341	2.13187	2.18032	2.22877	2.27722	2.32567	2.42257	2.51948	2.61638
0.37	2.03100	2.07936	2.12772	2.17608	2.22443	2.27279	2.32115	2.41786	2.51458	2.61129
0.38	2.02690	2.07516	2.12342	2.17168	2.21994	2.26820	2.31646	2.41298	2.50950	2.60601
0.39	2.02265	2.07081	2.11897	2.16712	2.21528	2.26344	2.31160	2.40792	2.50423	2.60055
0.40	2.01825	2.06630	2.11435	2.16241	2.21046	2.25851	2.30657	2.40267	2.49878	2.59489
0.41	2.01369	2.06163	2.10958	2.15752	2.20547	2.25341	2.30136	2.39725	2.49314	2.58903
0.42	2.00897	2.05680	2.10464	2.15247	2.20030	2.24813	2.29597	2.39163	2.48730	2.58296
0.43	2.00409	2.05181	2.09952	2.14724	2.19496	2.24267	2.29039	2.38582	2.48125	2.57669
0.44	1.99904	2.04664	2.09423	2.14183	2.18943	2.23702	2.28462	2.37981	2.47500	2.57019
0.45	1.99382	2.04129	2.08876	2.13623	2.18370	2.23118	2.27865	2.37359	2.46854	2.56348
0.46	1.98842	2.03576	2.08310	2.13045	2.17779	2.22513	2.27248	2.36716	2.46185	2.55654
0.47	1.98283	2.03004	2.07725	2.12446	2.17167	2.21888	2.26609	2.36051	2.45493	2.54936
0.48	1.97706	2.02413	2.07120	2.11828	2.16535	2.21242	2.25950	2.35364	2.44779	2.54193
0.49	1.97109	2.01802	2.06495	2.11188	2.15881	2.20574	2.25267	2.34654	2.44040	2.53426
0.50	1.96492	2.01170	2.05849	2.10527	2.15205	2.19884	2.24562	2.33919	2.43276	2.52633
0.51	1.95854	2.00517	2.05181	2.09844	2.14507	2.19170	2.23833	2.33160	2.42486	2.51812
0.52	1.95195	1.99842	2.04490	2.09137	2.13785	2.18432	2.23080	2.32375	2.41670	2.50965
0.53	1.94513	1.99145	2.03776	2.08407	2.13038	2.17670	2.22301	2.31563	2.40826	2.50088
0.54	1.93809	1.98423	2.03038	2.07652	2.12267	2.16881	2.21496	2.30725	2.39954	2.49183
0.55	1.93080	1.97677	2.02274	2.06872	2.11469	2.16066	2.20663	2.29857	2.39052	2.48246
0.56	1.92327	1.96906	2.01485	2.06064	2.10644	2.15223	2.19802	2.28960	2.38119	2.47277
0.57	1.91548	1.96108	2.00669	2.05230	2.09790	2.14351	2.18912	2.28033	2.37154	2.46276
0.58	1.90742	1.95283	1.99825	2.04366	2.08908	2.13449	2.17991	2.27074	2.36157	2.45240
0.59	1.89908	1.94430	1.98952	2.03473	2.07995	2.12516	2.17038	2.26081	2.35125	2.44168
0.60	1.89046	1.93547	1.98048	2.02549	2.07050	2.11551	2.16052	2.25054	2.34057	2.43059
0.61	1.88153	1.92633	1.97112	2.01592	2.06072	2.10552	2.15032	2.23991	2.32951	2.41911
0.62	1.87228	1.91686	1.96144	2.00602	2.05060	2.09517	2.13975	2.22891	2.31807	2.40722
0.63	1.86271	1.90706	1.95141	1.99576	2.04011	2.08446	2.12881	2.21751	2.30621	2.39491
0.64	1.85279	1.89690	1.94102	1.98513	2.02925	2.07336	2.11747	2.20570	2.29393	2.38216
0.65	1.84251	1.88638	1.93025	1.97412	2.01799	2.06185	2.10572	2.19346	2.28120	2.36894
0.66	1.83185	1.87546	1.91908	1.96269	2.00631	2.04992	2.09354	2.18077	2.26800	2.35523
0.67	1.82079	1.86414	1.90749	1.95084	1.99420	2.03755	2.08090	2.16760	2.25431	2.34101



L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
X	R	R	R	R	R	R	R	R	R	R
0.68	1.80931	1.85239	1.89547	1.93854	1.98162	2.02470	2.06778	2.15394	2.24010	2.32625
0.69	1.79739	1.84018	1.88298	1.92577	1.96857	2.01136	2.05416	2.13975	2.22534	2.31092
0.70	1.78500	1.82750	1.87000	1.91250	1.95500	1.99750	2.04000	2.12500	2.21000	2.29500
0.71	1.77211	1.81431	1.85650	1.89869	1.94089	1.98308	2.02527	2.10966	2.19405	2.27843
0.72	1.75871	1.80058	1.84246	1.88433	1.92620	1.96808	2.00995	2.09370	2.17745	2.26120
0.73	1.74475	1.78629	1.82783	1.86937	1.91091	1.95245	1.99400	2.07708	2.16016	2.24325
0.74	1.73019	1.77139	1.81258	1.85378	1.89497	1.93617	1.97736	2.05975	2.14214	2.22453
0.75	1.71501	1.75584	1.79668	1.83751	1.87834	1.91918	1.96001	2.04168	2.12335	2.20501
0.76	1.69915	1.73961	1.78006	1.82052	1.86098	1.90143	1.94189	2.02280	2.10371	2.18462
0.77	1.68257	1.72263	1.76269	1.80275	1.84282	1.88288	1.92294	2.00306	2.08318	2.16331
0.78	1.66521	1.70486	1.74451	1.78416	1.82380	1.86345	1.90310	1.98240	2.06159	2.14099
0.79	1.64702	1.68623	1.72544	1.76466	1.80387	1.84309	1.88230	1.96073	2.03916	2.11759
0.80	1.62791	1.66667	1.70543	1.74419	1.78295	1.82171	1.86047	1.93799	2.01551	2.09303
0.81	1.60782	1.64610	1.68438	1.72266	1.76095	1.79923	1.83751	1.91407	1.99063	2.06720
0.82	1.58665	1.62443	1.66221	1.69998	1.73776	1.77554	1.81332	1.88887	1.96443	2.03998
0.83	1.56431	1.60155	1.63880	1.67604	1.71329	1.75053	1.78778	1.86227	1.93676	2.01125
0.84	1.54066	1.57734	1.61402	1.65070	1.68739	1.72407	1.76075	1.83412	1.90748	1.98085
0.85	1.51557	1.55165	1.58774	1.62382	1.65991	1.69599	1.73208	1.80425	1.87642	1.94859
0.86	1.48887	1.52432	1.55977	1.59522	1.63067	1.66612	1.70157	1.77247	1.84337	1.91426
0.87	1.46037	1.49514	1.52991	1.56468	1.59945	1.63422	1.66899	1.73853	1.80807	1.87762
0.88	1.42981	1.46386	1.49790	1.53194	1.56599	1.60003	1.63407	1.70216	1.77024	1.83833
0.89	1.39691	1.43017	1.46343	1.49669	1.52995	1.56321	1.59647	1.66299	1.72951	1.79603
0.90	1.36129	1.39370	1.42611	1.45852	1.49093	1.52335	1.55576	1.62058	1.68540	1.75023
0.91	1.32247	1.35395	1.38544	1.41693	1.44842	1.47990	1.51139	1.57436	1.63734	1.70031
0.92	1.27982	1.31029	1.34076	1.37124	1.40171	1.43218	1.46265	1.52360	1.58454	1.64548
0.93	1.23251	1.26185	1.29120	1.32054	1.34989	1.37923	1.40858	1.46727	1.52596	1.58465
0.94	1.17933	1.20741	1.23549	1.26357	1.29165	1.31973	1.34781	1.40397	1.46013	1.51628
0.95	1.11854	1.14517	1.17181	1.19844	1.22507	1.25170	1.27833	1.33160	1.38486	1.43813
0.96	1.04735	1.07228	1.09722	1.12216	1.14710	1.17203	1.19697	1.24684	1.29672	1.34659
0.97	0.96088	0.98375	1.00663	1.02951	1.05239	1.07527	1.09814	1.14390	1.18966	1.23541
0.98	0.84913	0.86934	0.88956	0.90978	0.93000	0.95021	0.97043	1.01087	1.05130	1.09174
0.99	0.68428	0.70057	0.71686	0.73315	0.74944	0.76574	0.78203	0.81461	0.84720	0.87978

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
X	R	R	R	R	R	R	R	R	R	R
0.	2.80000	2.90000	3.00000	3.10000	3.20000	3.30000	3.40000	3.50000	3.60000	3.70000
0.01	2.79994	2.89994	2.99993	3.09993	3.19993	3.29993	3.39992	3.49992	3.59992	3.69992
0.02	2.79975	2.89974	2.99973	3.09972	3.19972	3.29971	3.39970	3.49969	3.59968	3.69967
0.03	2.79944	2.89942	2.99940	3.09938	3.19936	3.29934	3.39932	3.49930	3.59928	3.69926
0.04	2.79900	2.89897	2.99893	3.09890	3.19886	3.29883	3.39879	3.49875	3.59872	3.69868
0.05	2.79844	2.89839	2.99833	3.09828	3.19822	3.29816	3.39811	3.49805	3.59800	3.69794
0.06	2.79776	2.89768	2.99760	3.09752	3.19743	3.29735	3.39727	3.49719	3.59711	3.69703
0.07	2.79694	2.89683	2.99672	3.09662	3.19651	3.29640	3.39629	3.49618	3.59607	3.69596
0.08	2.79600	2.89586	2.99572	3.09558	3.19543	3.29529	3.39515	3.49500	3.59486	3.69472
0.09	2.79494	2.89476	2.99458	3.09440	3.19421	3.29403	3.39385	3.49367	3.59349	3.69331
0.10	2.79374	2.89352	2.99330	3.09307	3.19285	3.29263	3.39240	3.49218	3.59196	3.69173
0.11	2.79242	2.89215	2.99188	3.09161	3.19134	3.29107	3.39080	3.49053	3.59026	3.68999
0.12	2.79097	2.89065	2.99033	3.09000	3.18968	3.28936	3.38904	3.48871	3.58839	3.68807
0.13	2.78939	2.88901	2.98863	3.08825	3.18787	3.28749	3.38711	3.48674	3.58636	3.68598
0.14	2.78767	2.88723	2.98679	3.08635	3.18591	3.28547	3.38503	3.48459	3.58415	3.68371
0.15	2.78583	2.88532	2.98482	3.08431	3.18380	3.28330	3.38279	3.48229	3.58178	3.68127
0.16	2.78385	2.88327	2.98270	3.08212	3.18154	3.28096	3.38039	3.47981	3.57923	3.67866
0.17	2.78173	2.88108	2.98043	3.07978	3.17912	3.27847	3.37782	3.47717	3.57651	3.67586
0.18	2.77948	2.87875	2.97802	3.07728	3.17655	3.27582	3.37509	3.47435	3.57362	3.67289
0.19	2.77709	2.87627	2.97546	3.07464	3.17382	3.27300	3.37218	3.47137	3.57055	3.66973
0.20	2.77456	2.87366	2.97275	3.07184	3.17093	3.27002	3.36911	3.46820	3.56730	3.66639
0.21	2.77189	2.87089	2.96989	3.06888	3.16788	3.26687	3.36587	3.46487	3.56386	3.66286
0.22	2.76908	2.86797	2.96687	3.06577	3.16466	3.26356	3.36245	3.46135	3.56024	3.65914
0.23	2.76612	2.86491	2.96370	3.06249	3.16128	3.26007	3.35886	3.45765	3.55644	3.65523
0.24	2.76301	2.86169	2.96037	3.05905	3.15773	3.25641	3.35509	3.45377	3.55244	3.65112
0.25	2.75976	2.85832	2.95688	3.05544	3.15401	3.25257	3.35113	3.44970	3.54826	3.64682
0.26	2.75635	2.85479	2.95323	3.05167	3.15011	3.24855	3.34699	3.44543	3.54388	3.64232
0.27	2.75278	2.85110	2.94941	3.04773	3.14604	3.24435	3.34267	3.44098	3.53929	3.63761
0.28	2.74906	2.84725	2.94543	3.04361	3.14179	3.23997	3.33815	3.43633	3.53451	3.63269
0.29	2.74518	2.84323	2.94127	3.03931	3.13735	3.23540	3.33344	3.43148	3.52952	3.62757
0.30	2.74114	2.83904	2.93694	3.03484	3.13273	3.23063	3.32853	3.42643	3.52433	3.62222
0.31	2.73693	2.83468	2.93243	3.03018	3.12792	3.22567	3.32342	3.42117	3.51891	3.61666
0.32	2.73256	2.83015	2.92774	3.02533	3.12292	3.22051	3.31810	3.41570	3.51329	3.61088
0.33	2.72801	2.82543	2.92286	3.02029	3.11772	3.21515	3.31258	3.41001	3.50744	3.60486

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
X	R	R	R	R	R	R	R	R	R	R
0.34	2.72328	2.82054	2.91780	3.01506	3.11232	3.20958	3.30684	3.40410	3.50136	3.59862
0.35	2.71837	2.81563	2.91289	3.01013	3.10739	3.20465	3.30191	3.39917	3.49643	3.59369
0.36	2.71346	2.81072	2.90798	3.00539	3.10265	3.19991	3.29717	3.39443	3.49169	3.58895
0.37	2.70855	2.80581	2.90307	3.00065	3.09791	3.19517	3.29243	3.38969	3.48695	3.58421
0.38	2.70364	2.80090	2.89816	2.99591	3.09317	3.19043	3.28769	3.38495	3.48221	3.57947
0.39	2.69873	2.79618	2.89344	2.99069	3.08843	3.18569	3.28295	3.38021	3.47747	3.57473
0.40	2.69382	2.79127	2.88853	2.98794	3.08572	3.18300	3.28026	3.37752	3.47478	3.57000
0.41	2.68891	2.78636	2.88362	2.98298	3.08106	3.17826	3.27552	3.37278	3.47004	3.56526
0.42	2.68400	2.78145	2.87871	2.97807	3.07630	3.17356	3.27082	3.36808	3.46534	3.56050
0.43	2.67909	2.77654	2.87380	2.97316	3.07145	3.16871	3.26600	3.36326	3.46052	3.55566
0.44	2.67418	2.77163	2.86889	2.96825	3.06654	3.16380	3.26106	3.35832	3.45558	3.55082
0.45	2.66927	2.76672	2.86400	2.96336	3.06163	3.15891	3.25617	3.35343	3.45069	3.54600
0.46	2.66436	2.76181	2.85907	2.95843	3.05677	3.15417	3.25143	3.34869	3.44595	3.54126
0.47	2.65945	2.75690	2.85416	2.95352	3.05194	3.14935	3.24661	3.34387	3.44113	3.53642
0.48	2.65454	2.75199	2.84925	2.94861	3.04710	3.14455	3.24181	3.33907	3.43633	3.53168
0.49	2.64963	2.74708	2.84434	2.94370	3.04226	3.13975	3.23701	3.33427	3.43153	3.52694
0.50	2.64472	2.74217	2.83943	2.93879	3.03741	3.13510	3.23236	3.32962	3.42688	3.52220
0.51	2.63981	2.73726	2.83452	2.93388	3.03257	3.13026	3.22752	3.32478	3.42204	3.51746
0.52	2.63490	2.73235	2.82961	2.92904	3.02772	3.12541	3.22267	3.31993	3.41719	3.51272
0.53	2.63000	2.72745	2.82471	2.92417	3.02288	3.12056	3.21782	3.31508	3.41234	3.50798
0.54	2.62509	2.72254	2.81977	2.91923	3.01803	3.11571	3.21307	3.31033	3.40759	3.50324
0.55	2.62018	2.71763	2.81489	2.91435	3.01319	3.11086	3.20823	3.30549	3.40275	3.49850
0.56	2.61527	2.71272	2.81000	2.90946	3.00835	3.10600	3.20326	3.30052	3.39778	3.49376
0.57	2.61036	2.70777	2.80503	2.90449	3.00351	3.10115	3.19841	3.29567	3.39293	3.48902
0.58	2.60545	2.70286	2.80012	2.90000	2.99867	3.09632	3.19358	3.29084	3.38810	3.48428
0.59	2.60054	2.69797	2.79523	2.89511	2.99378	3.09143	3.18869	3.28595	3.38321	3.47954
0.60	2.59563	2.69306	2.79032	2.89020	2.98885	3.08608	3.18334	3.28060	3.37786	3.47480
0.61	2.59072	2.68815	2.78541	2.88529	2.98394	3.08223	3.17949	3.27675	3.37401	3.47006
0.62	2.58581	2.68324	2.78050	2.88038	2.97909	3.07738	3.17464	3.27190	3.36916	3.46532
0.63	2.58090	2.67833	2.77559	2.87547	2.97412	3.07253	3.17090	3.26816	3.36542	3.46058
0.64	2.57600	2.67342	2.77068	2.87056	2.96923	3.06762	3.16616	3.26342	3.36068	3.45584
0.65	2.57109	2.66851	2.76577	2.86565	2.96430	3.06271	3.16125	3.25841	3.35567	3.45110
0.66	2.56618	2.66360	2.76086	2.86074	2.95939	3.05780	3.15634	3.25360	3.35086	3.44636
0.67	2.56127	2.65869	2.75595	2.85583	2.95448	3.05291	3.15145	3.24867	3.34593	3.44162

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
X	R	R	R	R	R	R	R	R	R	R
0.68	2.41241	2.49857	2.58473	2.67088	2.75704	2.84320	2.92936	3.01551	3.10167	3.18783
0.69	2.39651	2.48210	2.56769	2.65328	2.73887	2.82446	2.91005	2.99564	3.08123	3.16682
0.70	2.38000	2.46500	2.55000	2.63500	2.72000	2.80500	2.89000	2.97500	3.06000	3.14500
0.71	2.36282	2.44721	2.53159	2.61598	2.70036	2.78475	2.86914	2.95352	3.03791	3.12230
0.72	2.34494	2.42869	2.51244	2.59619	2.67994	2.76368	2.84743	2.93118	3.01493	3.09868
0.73	2.32633	2.40941	2.49250	2.57558	2.65866	2.74174	2.82483	2.90791	2.99099	3.07408
0.74	2.30692	2.38931	2.47171	2.55410	2.63649	2.71888	2.80127	2.88366	2.96605	3.04844
0.75	2.28668	2.36835	2.45001	2.53168	2.61335	2.69502	2.77668	2.85835	2.94002	3.02168
0.76	2.26554	2.34645	2.42736	2.50827	2.58918	2.67010	2.75101	2.83192	2.91283	2.99374
0.77	2.24343	2.32355	2.40367	2.48379	2.56392	2.64404	2.72416	2.80428	2.88441	2.96453
0.78	2.22028	2.29958	2.37887	2.45817	2.53747	2.61676	2.69606	2.77535	2.85465	2.93395
0.79	2.19602	2.27445	2.35288	2.43131	2.50974	2.58817	2.66660	2.74503	2.82345	2.90188
0.80	2.17055	2.24807	2.32559	2.40311	2.48063	2.55815	2.63566	2.71318	2.79070	2.86822
0.81	2.14376	2.22032	2.29689	2.37345	2.45001	2.52657	2.60314	2.67970	2.75626	2.83283
0.82	2.11554	2.19109	2.26665	2.34220	2.41776	2.49331	2.56887	2.64442	2.71998	2.79553
0.83	2.08574	2.16023	2.23472	2.30921	2.38370	2.45819	2.53268	2.60718	2.68167	2.75616
0.84	2.05421	2.12758	2.20094	2.27430	2.34767	2.42103	2.49440	2.56776	2.64113	2.71449
0.85	2.02076	2.09293	2.16510	2.23727	2.30944	2.38161	2.45378	2.52595	2.59812	2.67029
0.86	1.98516	2.05606	2.12696	2.19786	2.26876	2.33966	2.41056	2.48145	2.55235	2.62325
0.87	1.94716	2.01670	2.08624	2.15578	2.22532	2.29486	2.36440	2.43395	2.50349	2.57303
0.88	1.90642	1.97450	2.04259	2.11068	2.17876	2.24685	2.31494	2.38302	2.45111	2.51919
0.89	1.86255	1.92907	1.99559	2.06211	2.12863	2.19515	2.26167	2.32818	2.39470	2.46122
0.90	1.81505	1.87987	1.94470	2.00952	2.07434	2.13917	2.20399	2.26881	2.33364	2.39846
0.91	1.76329	1.82626	1.88924	1.95221	2.01519	2.07816	2.14114	2.20411	2.26708	2.33006
0.92	1.70643	1.76737	1.82832	1.88926	1.95020	2.01115	2.07209	2.13303	2.19398	2.25492
0.93	1.64334	1.70203	1.76072	1.81941	1.87810	1.93680	1.99549	2.05418	2.11287	2.17156
0.94	1.57244	1.62860	1.68476	1.74092	1.79708	1.85324	1.90940	1.96555	2.02171	2.07787
0.95	1.49139	1.54465	1.59792	1.65118	1.70444	1.75771	1.81097	1.86424	1.91750	1.97076
0.96	1.39646	1.44634	1.49621	1.54609	1.59596	1.64583	1.69571	1.74558	1.79545	1.84533
0.97	1.28117	1.32692	1.37268	1.41844	1.46419	1.50995	1.55570	1.60146	1.64722	1.69297
0.98	1.13217	1.17260	1.21304	1.25347	1.29391	1.33434	1.37478	1.41521	1.45565	1.49608
0.99	0.91237	0.94495	0.97754	1.01012	1.04270	1.07529	1.10787	1.14046	1.17304	1.20563

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
X	R	R	R	R	R	R	R	R	R	R
0.	3.80000	3.90000	4.00000	4.10000	4.20000	4.30000	4.40000	4.50000	4.60000	4.70000
0.01	3.79992	3.89991	3.99991	4.09991	4.19991	4.29990	4.39990	4.49990	4.59990	4.69990
0.02	3.79966	3.89965	3.99964	4.09964	4.19963	4.29962	4.39961	4.49960	4.59959	4.69958
0.03	3.79924	3.89922	3.99920	4.09918	4.19916	4.29914	4.39912	4.49910	4.59908	4.69906
0.04	3.79865	3.89861	3.99858	4.09854	4.19851	4.29847	4.39843	4.49840	4.59836	4.69833
0.05	3.79789	3.89783	3.99777	4.09772	4.19766	4.29761	4.39755	4.49750	4.59744	4.69739
0.06	3.79695	3.89687	3.99679	4.09671	4.19663	4.29655	4.39647	4.49639	4.59631	4.69623
0.07	3.79585	3.89574	3.99563	4.09552	4.19541	4.29531	4.39520	4.49509	4.59498	4.69487
0.08	3.79458	3.89443	3.99429	4.09415	4.19401	4.29386	4.39372	4.49358	4.59344	4.69329
0.09	3.79313	3.89295	3.99277	4.09259	4.19241	4.29223	4.39205	4.49186	4.59168	4.69150
0.10	3.79151	3.89129	3.99106	4.09084	4.19062	4.29039	4.39017	4.48995	4.58972	4.68950
0.11	3.78972	3.88944	3.98917	4.08890	4.18863	4.28836	4.38809	4.48782	4.58755	4.68728
0.12	3.78775	3.88742	3.98710	4.08678	4.18646	4.28613	4.38581	4.48549	4.58517	4.68484
0.13	3.78560	3.88522	3.98484	4.08446	4.18408	4.28370	4.38332	4.48294	4.58257	4.68219
0.14	3.78327	3.88283	3.98239	4.08195	4.18151	4.28107	4.38063	4.48019	4.57975	4.67931
0.15	3.78077	3.88026	3.97976	4.07925	4.17874	4.27824	4.37773	4.47722	4.57672	4.67621
0.16	3.77808	3.87750	3.97693	4.07635	4.17577	4.27520	4.37462	4.47404	4.57347	4.67289
0.17	3.77521	3.87456	3.97391	4.07325	4.17260	4.27195	4.37130	4.47064	4.56999	4.66934
0.18	3.77215	3.87142	3.97069	4.06996	4.16922	4.26849	4.36776	4.46703	4.56629	4.66556
0.19	3.76891	3.86809	3.96728	4.06646	4.16564	4.26482	4.36400	4.46318	4.56237	4.66155
0.20	3.76548	3.86457	3.96366	4.06275	4.16185	4.26094	4.36003	4.45912	4.55821	4.65730
0.21	3.76185	3.86085	3.95985	4.05884	4.15784	4.25684	4.35583	4.45483	4.55382	4.65282
0.22	3.75804	3.85693	3.95583	4.05472	4.15362	4.25251	4.35141	4.45031	4.54920	4.64810
0.23	3.75402	3.85281	3.95160	4.05039	4.14918	4.24797	4.34676	4.44555	4.54434	4.64313
0.24	3.74980	3.84848	3.94716	4.04584	4.14452	4.24320	4.34188	4.44056	4.53923	4.63791
0.25	3.74538	3.84395	3.94251	4.04107	4.13963	4.23820	4.33676	4.43532	4.53389	4.63245
0.26	3.74076	3.83920	3.93764	4.03608	4.13452	4.23296	4.33140	4.42984	4.52829	4.62673
0.27	3.73592	3.83424	3.93255	4.03086	4.12918	4.22749	4.32580	4.42412	4.52243	4.62075
0.28	3.73087	3.82905	3.92724	4.02542	4.12360	4.22178	4.31996	4.41814	4.51632	4.61450
0.29	3.72561	3.82365	3.92169	4.01974	4.11778	4.21582	4.31386	4.41190	4.50995	4.60799
0.30	3.72012	3.81802	3.91592	4.01382	4.11171	4.20961	4.30751	4.40541	4.50331	4.60120
0.31	3.71441	3.81216	3.90991	4.00765	4.10540	4.20315	4.30090	4.39864	4.49639	4.59414
0.32	3.70847	3.80606	3.90365	4.00124	4.09883	4.19643	4.29402	4.39161	4.48920	4.58679
0.33	3.70229	3.79972	3.89715	3.99458	4.09201	4.18944	4.28687	4.38430	4.48172	4.57915

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
X	R	R	R	R	R	R	R	R	R	R
0.34	3.69588	3.79314	3.89040	3.98766	4.08492	4.18218	4.27944	4.37670	4.47396	4.57122
0.35	3.68922	3.78631	3.88339	3.98048	4.07756	4.17464	4.27173	4.36881	4.46590	4.56298
0.36	3.68231	3.77922	3.87612	3.97302	4.06992	4.16683	4.26373	4.36063	4.45754	4.55444
0.37	3.67515	3.77186	3.86858	3.96529	4.06201	4.15872	4.25544	4.35215	4.44886	4.54558
0.38	3.66772	3.76424	3.86076	3.95728	4.05380	4.15032	4.24684	4.34336	4.43988	4.53640
0.39	3.66003	3.75635	3.85267	3.94898	4.04530	4.14162	4.23793	4.33425	4.43057	4.52688
0.40	3.65207	3.74817	3.84428	3.94039	4.03649	4.13260	4.22871	4.32481	4.42092	4.51703
0.41	3.64382	3.73971	3.83560	3.93149	4.02738	4.12327	4.21916	4.31505	4.41094	4.50683
0.42	3.63528	3.73095	3.82661	3.92228	4.01794	4.11361	4.20927	4.30494	4.40060	4.49627
0.43	3.62645	3.72188	3.81731	3.91275	4.00818	4.10361	4.19905	4.29448	4.38991	4.48534
0.44	3.61731	3.71250	3.80770	3.90289	3.99808	4.09327	4.18847	4.28366	4.37885	4.47404
0.45	3.60786	3.70280	3.79775	3.89269	3.98763	4.08258	4.17752	4.27247	4.36741	4.46235
0.46	3.59809	3.69277	3.78746	3.88215	3.97683	4.07152	4.16621	4.26089	4.35558	4.45027
0.47	3.58798	3.68240	3.77682	3.87124	3.96566	4.06008	4.15450	4.24893	4.34335	4.43777
0.48	3.57753	3.67168	3.76583	3.85997	3.95412	4.04826	4.14241	4.23655	4.33070	4.42484
0.49	3.56673	3.66059	3.75446	3.84832	3.94218	4.03604	4.12990	4.22376	4.31762	4.41149
0.50	3.55557	3.64914	3.74270	3.83627	3.92984	4.02341	4.11697	4.21054	4.30411	4.39768
0.51	3.54403	3.63729	3.73056	3.82382	3.91708	4.01035	4.10361	4.19687	4.29014	4.38340
0.52	3.53210	3.62505	3.71800	3.81095	3.90390	3.99685	4.08980	4.18275	4.27570	4.36865
0.53	3.51976	3.61239	3.70501	3.79764	3.89026	3.98289	4.07552	4.16814	4.26077	4.35339
0.54	3.50701	3.59930	3.69159	3.78388	3.87617	3.96846	4.06075	4.15304	4.24533	4.33762
0.55	3.49383	3.58577	3.67772	3.76966	3.86160	3.95355	4.04549	4.13743	4.22937	4.32132
0.56	3.48020	3.57178	3.66337	3.75495	3.84654	3.93812	4.02970	4.12129	4.21287	4.30446
0.57	3.46610	3.55732	3.64853	3.73974	3.83096	3.92217	4.01338	4.10460	4.19581	4.28702
0.58	3.45152	3.54235	3.63318	3.72401	3.81484	3.90567	3.99650	4.08733	4.17816	4.26899
0.59	3.43644	3.52687	3.61730	3.70773	3.79817	3.88860	3.97903	4.06946	4.15990	4.25033
0.60	3.42083	3.51085	3.60087	3.69089	3.78091	3.87094	3.96096	4.05098	4.14100	4.23102
0.61	3.40467	3.49427	3.58386	3.67346	3.76306	3.85265	3.94225	4.03185	4.12144	4.21104
0.62	3.38794	3.47710	3.56625	3.65541	3.74457	3.83372	3.92288	4.01204	4.10119	4.19035
0.63	3.37062	3.45932	3.54802	3.63672	3.72542	3.81412	3.90282	3.99152	4.08022	4.16892
0.64	3.35267	3.44090	3.52912	3.61735	3.70558	3.79381	3.88204	3.97026	4.05849	4.14672
0.65	3.33406	3.42180	3.50954	3.59728	3.68502	3.77276	3.86049	3.94823	4.03597	4.12371
0.66	3.31477	3.40200	3.48923	3.57646	3.66369	3.75093	3.83816	3.92539	4.01262	4.09985
0.67	3.29476	3.38146	3.46817	3.55487	3.64157	3.72828	3.81498	3.90169	3.98839	4.07510

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
X	R	R	R	R	R	R	R	R	R	R
0.68	3.27399	3.36014	3.44630	3.53246	3.61862	3.70477	3.79093	3.87709	3.96325	4.04940
0.69	3.25241	3.33800	3.42359	3.50918	3.59477	3.68036	3.76595	3.85154	3.93713	4.02272
0.70	3.22999	3.31499	3.39999	3.48499	3.56999	3.65499	3.73999	3.82499	3.90999	3.99499
0.71	3.20668	3.29107	3.37546	3.45984	3.54423	3.62862	3.71300	3.79739	3.88177	3.96616
0.72	3.18242	3.26617	3.34992	3.43367	3.51742	3.60116	3.68491	3.76866	3.85241	3.93616
0.73	3.15716	3.24024	3.32333	3.40641	3.48949	3.57258	3.65566	3.73874	3.82183	3.90491
0.74	3.13083	3.21322	3.29561	3.37800	3.46039	3.54278	3.62517	3.70756	3.78995	3.87234
0.75	3.10335	3.18502	3.26669	3.34835	3.43002	3.51169	3.59335	3.67502	3.75669	3.83836
0.76	3.07466	3.15557	3.23648	3.31739	3.39830	3.47922	3.56013	3.64104	3.72195	3.80286
0.77	3.04465	3.12477	3.20490	3.28502	3.36514	3.44526	3.52539	3.60551	3.68563	3.76575
0.78	3.01324	3.09254	3.17183	3.25113	3.33042	3.40972	3.48902	3.56831	3.64761	3.72690
0.79	2.98031	3.05874	3.13717	3.21560	3.29403	3.37246	3.45089	3.52932	3.60775	3.68618
0.80	2.94574	3.02326	3.10078	3.17830	3.25582	3.33334	3.41086	3.48838	3.56590	3.64342
0.81	2.90939	2.98595	3.06251	3.13908	3.21564	3.29220	3.36876	3.44533	3.52189	3.59845
0.82	2.87109	2.94664	3.02220	3.09775	3.17330	3.24886	3.32441	3.39997	3.47552	3.55108
0.83	2.83065	2.90514	2.97963	3.05412	3.12861	3.20310	3.27759	3.35208	3.42657	3.50106
0.84	2.78786	2.86122	2.93459	3.00795	3.08132	3.15468	3.22804	3.30141	3.37477	3.44814
0.85	2.74246	2.81463	2.88680	2.95897	3.03114	3.10331	3.17548	3.24765	3.31982	3.39199
0.86	2.69415	2.76505	2.83595	2.90685	2.97774	3.04864	3.11954	3.19044	3.26134	3.33224
0.87	2.64257	2.71211	2.78165	2.85119	2.92074	2.99028	3.05982	3.12936	3.19890	3.26844
0.88	2.58728	2.65537	2.72345	2.79154	2.85963	2.92771	2.99580	3.06389	3.13197	3.20006
0.89	2.52774	2.59426	2.66078	2.72730	2.79382	2.86034	2.92686	2.99338	3.05990	3.12642
0.90	2.46328	2.52811	2.59293	2.65775	2.72257	2.78740	2.85222	2.91704	2.98187	3.04669
0.91	2.39303	2.45601	2.51898	2.58196	2.64493	2.70791	2.77088	2.83386	2.89683	2.95980
0.92	2.31587	2.37681	2.43775	2.49870	2.55964	2.62059	2.68153	2.74247	2.80342	2.86436
0.93	2.23025	2.28894	2.34763	2.40632	2.46501	2.52370	2.58239	2.64108	2.69977	2.75847
0.94	2.13403	2.19019	2.24635	2.30251	2.35867	2.41482	2.47098	2.52714	2.58330	2.63946
0.95	2.02403	2.07729	2.13056	2.18382	2.23708	2.29035	2.34361	2.39688	2.45014	2.50340
0.96	1.89520	1.94507	1.99495	2.04482	2.09470	2.14457	2.19444	2.24432	2.29419	2.34406
0.97	1.73873	1.78448	1.83024	1.87600	1.92175	1.96751	2.01326	2.05902	2.10478	2.15053
0.98	1.53652	1.57695	1.61739	1.65782	1.69826	1.73869	1.77912	1.81956	1.85999	1.90043
0.99	1.23821	1.27080	1.30338	1.33597	1.36855	1.40113	1.43372	1.46630	1.49889	1.53147

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
X	R	R	R	R	R	R	R	R	R	R
0.	4.80000	4.90000	5.00000	5.10000	5.20000	5.30000	5.40000	5.50000	5.60000	5.70000
0.01	4.79989	4.89989	4.99989	5.09989	5.19988	5.29988	5.39988	5.49988	5.59988	5.69987
0.02	4.79957	4.89956	4.99956	5.09955	5.19954	5.29953	5.39952	5.49951	5.59950	5.69949
0.03	4.79904	4.89902	4.99900	5.09898	5.19896	5.29894	5.39892	5.49890	5.59888	5.69886
0.04	4.79829	4.89826	4.99822	5.09819	5.19815	5.29811	5.39808	5.49804	5.59801	5.69797
0.05	4.79733	4.89727	4.99722	5.09716	5.19711	5.29705	5.39700	5.49694	5.59688	5.69683
0.06	4.79615	4.89607	4.99599	5.09591	5.19583	5.29575	5.39567	5.49559	5.59551	5.69543
0.07	4.79476	4.89465	4.99454	5.09443	5.19432	5.29421	5.39410	5.49400	5.59389	5.69378
0.08	4.79315	4.89301	4.99286	5.09272	5.19258	5.29244	5.39229	5.49215	5.59201	5.69187
0.09	4.79132	4.89114	4.99096	5.09078	5.19060	5.29042	5.39024	5.49006	5.58988	5.68970
0.10	4.78928	4.88905	4.98883	5.08861	5.18838	5.28816	5.38793	5.48771	5.58749	5.68726
0.11	4.78701	4.88674	4.98647	5.08620	5.18593	5.28566	5.38538	5.48511	5.58484	5.68457
0.12	4.78452	4.88420	4.98388	5.08355	5.18323	5.28291	5.38259	5.48226	5.58194	5.68162
0.13	4.78181	4.88143	4.98105	5.08067	5.18029	5.27991	5.37953	5.47916	5.57878	5.67840
0.14	4.77887	4.87843	4.97799	5.07755	5.17711	5.27667	5.37623	5.47579	5.57535	5.67491
0.15	4.77571	4.87520	4.97469	5.07419	5.17368	5.27318	5.37267	5.47216	5.57166	5.67115
0.16	4.77231	4.87174	4.97116	5.07058	5.17000	5.26943	5.36885	5.46827	5.56770	5.66712
0.17	4.76869	4.86803	4.96738	5.06673	5.16608	5.26542	5.36477	5.46412	5.56347	5.66282
0.18	4.76483	4.86409	4.96336	5.06263	5.16190	5.26116	5.36043	5.45970	5.55896	5.65823
0.19	4.76073	4.85991	4.95909	5.05828	5.15746	5.25664	5.35582	5.45500	5.55419	5.65337
0.20	4.75639	4.85549	4.95458	5.05367	5.15276	5.25185	5.35094	5.45004	5.54913	5.64822
0.21	4.75182	4.85081	4.94981	5.04880	5.14780	5.24680	5.34579	5.44479	5.54379	5.64278
0.22	4.74699	4.84589	4.94478	5.04368	5.14257	5.24147	5.34037	5.43926	5.53816	5.63705
0.23	4.74192	4.84071	4.93950	5.03829	5.13708	5.23587	5.33466	5.43345	5.53224	5.63103
0.24	4.73659	4.83527	4.93395	5.03263	5.13131	5.22999	5.32867	5.42735	5.52603	5.62470
0.25	4.73101	4.82957	4.92814	5.02670	5.12526	5.22382	5.32239	5.42095	5.51951	5.61807
0.26	4.72517	4.82361	4.92205	5.02049	5.11893	5.21737	5.31581	5.41425	5.51270	5.61114
0.27	4.71906	4.81737	4.91569	5.01400	5.11231	5.21063	5.30894	5.40726	5.50557	5.60388
0.28	4.71268	4.81086	4.90904	5.00723	5.10541	5.20359	5.30177	5.39995	5.49813	5.59631
0.29	4.70603	4.80407	4.90212	5.00016	5.09820	5.19624	5.29429	5.39233	5.49037	5.58841
0.30	4.69910	4.79700	4.89490	4.99279	5.09069	5.18859	5.28649	5.38439	5.48228	5.58018
0.31	4.69189	4.78963	4.88738	4.98513	5.08288	5.18062	5.27837	5.37612	5.47387	5.57161
0.32	4.68438	4.78197	4.87956	4.97716	5.07475	5.17234	5.26993	5.36752	5.46511	5.56270
0.33	4.67658	4.77401	4.87144	4.96887	5.06630	5.16373	5.26115	5.35858	5.45601	5.55344



L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
X	R	R	R	R	R	R	R	R	R	R
0.34	4.66848	4.76574	4.86300	4.96026	5.05752	5.15478	5.25204	5.34930	5.44656	5.54382
0.35	4.66007	4.75715	4.85424	4.95132	5.04841	5.14549	5.24258	5.33966	5.43675	5.53383
0.36	4.65134	4.74825	4.84515	4.94205	5.03895	5.13586	5.23276	5.32966	5.42657	5.52347
0.37	4.64229	4.73901	4.83572	4.93244	5.02915	5.12587	5.22258	5.31930	5.41601	5.51272
0.38	4.63292	4.72943	4.82595	4.92247	5.01899	5.11551	5.21203	5.30855	5.40507	5.50159
0.39	4.62320	4.71952	4.81583	4.91215	5.00847	5.10478	5.20110	5.29742	5.39373	5.49005
0.40	4.61314	4.70924	4.80535	4.90146	4.99756	5.09367	5.18978	5.28588	5.38199	5.47810
0.41	4.60272	4.69861	4.79450	4.89039	4.98628	5.08217	5.17806	5.27395	5.36984	5.46573
0.42	4.59193	4.68760	4.78327	4.87893	4.97460	5.07026	5.16593	5.26159	5.35726	5.45292
0.43	4.58078	4.67621	4.77164	4.86708	4.96251	5.05794	5.15337	5.24881	5.34424	5.43967
0.44	4.56924	4.66443	4.75962	4.85481	4.95000	5.04520	5.14039	5.23558	5.33077	5.42597
0.45	4.55730	4.65224	4.74718	4.84213	4.93707	5.03202	5.12696	5.22190	5.31685	5.41179
0.46	4.54495	4.63964	4.73432	4.82901	4.92370	5.01838	5.11307	5.20776	5.30244	5.39713
0.47	4.53219	4.62661	4.72103	4.81545	4.90987	5.00429	5.09871	5.19313	5.28755	5.38197
0.48	4.51899	4.61314	4.70728	4.80143	4.89557	4.98972	5.08386	5.17801	5.27216	5.36630
0.49	4.50535	4.59921	4.69307	4.78693	4.88079	4.97465	5.06852	5.16238	5.25624	5.35010
0.50	4.49124	4.58481	4.67838	4.77195	4.86551	4.95908	5.05265	5.14622	5.23979	5.33335
0.51	4.47667	4.56993	4.66319	4.75646	4.84972	4.94299	5.03625	5.12951	5.22278	5.31604
0.52	4.46160	4.55455	4.64750	4.74045	4.83340	4.92635	5.01930	5.11225	5.20520	5.29815
0.53	4.44602	4.53864	4.63127	4.72389	4.81652	4.90914	5.00177	5.09439	5.18702	5.27965
0.54	4.42991	4.52220	4.61449	4.70678	4.79907	4.89136	4.98365	5.07594	5.16823	5.26052
0.55	4.41326	4.50520	4.59715	4.68909	4.78103	4.87297	4.96492	5.05686	5.14880	5.24075
0.56	4.39604	4.48763	4.57921	4.67079	4.76238	4.85396	4.94555	5.03713	5.12871	5.22030
0.57	4.37823	4.46945	4.56066	4.65187	4.74309	4.83430	4.92551	5.01673	5.10794	5.19915
0.58	4.35982	4.45065	4.54148	4.63231	4.72313	4.81396	4.90479	4.99562	5.08645	5.17728
0.59	4.34076	4.43119	4.52163	4.61206	4.70249	4.79292	4.88336	4.97379	5.06422	5.15465
0.60	4.32104	4.41107	4.50109	4.59111	4.68113	4.77115	4.86118	4.95120	5.04122	5.13124
0.61	4.30064	4.39023	4.47983	4.56943	4.65902	4.74862	4.83822	4.92781	5.01741	5.10701
0.62	4.27951	4.36866	4.45782	4.54697	4.63613	4.72529	4.81444	4.90360	4.99276	5.08191
0.63	4.25762	4.34632	4.43502	4.52372	4.61242	4.70112	4.78982	4.87852	4.96723	5.05593
0.64	4.23495	4.32318	4.41140	4.49963	4.58786	4.67609	4.76432	4.85254	4.94077	5.02900
0.65	4.21145	4.29919	4.38692	4.47466	4.56240	4.65014	4.73788	4.82562	4.91336	5.00109
0.66	4.18708	4.27431	4.36154	4.44877	4.53600	4.62323	4.71046	4.79770	4.88493	4.97216
0.67	4.16180	4.24850	4.33521	4.42191	4.50862	4.59532	4.68202	4.76873	4.85543	4.94214

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
X	R	R	R	R	R	R	R	R	R	R
0.68	4.13556	4.22172	4.30788	4.39403	4.48019	4.56635	4.65251	4.73866	4.82482	4.91098
0.69	4.10831	4.19390	4.27949	4.36508	4.45067	4.53626	4.62185	4.70744	4.79303	4.87862
0.70	4.07999	4.16499	4.24999	4.33499	4.41999	4.50499	4.58999	4.67499	4.75999	4.84499
0.71	4.05055	4.13493	4.21932	4.30371	4.38809	4.47248	4.55687	4.64125	4.72554	4.81003
0.72	4.01990	4.10365	4.18740	4.27115	4.35490	4.43864	4.52239	4.60614	4.68989	4.77364
0.73	3.98199	4.07108	4.15416	4.23724	4.32032	4.40341	4.48649	4.56957	4.65266	4.73574
0.74	3.95473	4.03712	4.11951	4.20190	4.28429	4.36668	4.44907	4.53146	4.61385	4.69624
0.75	3.92002	4.00169	4.08336	4.16502	4.24669	4.32836	4.41003	4.49169	4.57336	4.65503
0.76	3.88378	3.96469	4.04560	4.12651	4.20742	4.28834	4.36925	4.45016	4.53107	4.61198
0.77	3.84588	3.92600	4.00612	4.08624	4.16637	4.24649	4.32661	4.40673	4.48686	4.56698
0.78	3.80620	3.88550	3.96479	4.04409	4.12338	4.20268	4.28197	4.36127	4.44057	4.51986
0.79	3.76461	3.84304	3.92147	3.99989	4.07832	4.15675	4.23518	4.31361	4.39204	4.47047
0.80	3.72094	3.79846	3.87598	3.95350	4.03102	4.10854	4.18606	4.26358	4.34110	4.41861
0.81	3.67502	3.75158	3.82814	3.90470	3.98127	4.05783	4.13439	4.21096	4.28752	4.36408
0.82	3.62663	3.70219	3.77774	3.85330	3.92885	4.00441	4.07996	4.15552	4.23107	4.30663
0.83	3.57555	3.65005	3.72454	3.79903	3.87352	3.94801	4.02250	4.09699	4.17148	4.24597
0.84	3.52150	3.59487	3.66823	3.74160	3.81496	3.88833	3.96169	4.03506	4.10842	4.18179
0.85	3.46416	3.53633	3.60850	3.68067	3.75284	3.82501	3.89718	3.96935	4.04152	4.11369
0.86	3.40314	3.47404	3.54493	3.61583	3.68673	3.75763	3.82853	3.89943	3.97033	4.04122
0.87	3.33798	3.40752	3.47707	3.54661	3.61615	3.68569	3.75523	3.82477	3.89431	3.96386
0.88	3.26814	3.33623	3.40432	3.47240	3.54049	3.60858	3.67666	3.74475	3.81284	3.88092
0.89	3.19294	3.25946	3.32598	3.39250	3.45902	3.52554	3.59206	3.65858	3.72510	3.79162
0.90	3.11151	3.17634	3.24116	3.30598	3.37081	3.43563	3.50045	3.56528	3.63010	3.69492
0.91	3.02278	3.08575	3.14873	3.21170	3.27468	3.33765	3.40063	3.46360	3.52658	3.58955
0.92	2.92530	2.98625	3.04719	3.10814	3.16908	3.23002	3.29097	3.35191	3.41286	3.47380
0.93	2.81716	2.87585	2.93454	2.99323	3.05192	3.11061	3.16930	3.22799	3.28668	3.34537
0.94	2.69562	2.75178	2.80793	2.86409	2.92025	2.97641	3.03257	3.08873	3.14489	3.20105
0.95	2.55667	2.60993	2.66319	2.71646	2.76972	2.82299	2.87625	2.92951	2.98278	3.03604
0.96	2.39394	2.44381	2.49369	2.54356	2.59343	2.64331	2.69318	2.74305	2.79293	2.84280
0.97	2.19629	2.24204	2.28780	2.33356	2.37931	2.42507	2.47082	2.51658	2.56234	2.60809
0.98	1.94086	1.98130	2.02173	2.06217	2.10260	2.14304	2.18347	2.22391	2.26434	2.30477
0.99	1.56406	1.59664	1.62923	1.66181	1.69440	1.72698	1.75956	1.79215	1.82473	1.85732

L	5.80	5.90	6.00	6.10	6.20	6.30				
X	R	R	R	R	R	R	R	R	R	R
0.	5.80000	5.90000	6.00000	6.10000	6.20000	6.30000				
0.01	5.79987	5.89987	5.99987	6.09986	6.19986	6.29986				
0.02	5.79948	5.89948	5.99947	6.09946	6.19945	6.29944				
0.03	5.79884	5.89882	5.99880	6.09878	6.19876	6.29874				
0.04	5.79794	5.89790	5.99786	6.09783	6.19779	6.29776				
0.05	5.79677	5.89672	5.99666	6.09661	6.19655	6.29650				
0.06	5.79535	5.89527	5.99519	6.09511	6.19503	6.29495				
0.07	5.79367	5.89356	5.99345	6.09334	6.19323	6.29312				
0.08	5.79172	5.89158	5.99144	6.09129	6.19115	6.29101				
0.09	5.78951	5.88933	5.98915	6.08897	6.18879	6.28861				
0.10	5.78704	5.88682	5.98659	6.08637	6.18615	6.28592				
0.11	5.78430	5.88403	5.98376	6.08349	6.18322	6.28295				
0.12	5.78130	5.88097	5.98065	6.08033	6.18001	6.27968				
0.13	5.77802	5.87764	5.97726	6.07688	6.17650	6.27612				
0.14	5.77447	5.87403	5.97359	6.07315	6.17271	6.27227				
0.15	5.77064	5.87014	5.96963	6.06913	6.16862	6.26811				
0.16	5.76654	5.86597	5.96539	6.06481	6.16424	6.26366				
0.17	5.76216	5.86151	5.96086	6.06021	6.15955	6.25890				
0.18	5.75750	5.85677	5.95603	6.05530	6.15457	6.25384				
0.19	5.75255	5.85173	5.95091	6.05010	6.14928	6.24846				
0.20	5.74731	5.84640	5.94549	6.04458	6.14368	6.24277				
0.21	5.74178	5.84077	5.93977	6.03877	6.13776	6.23676				
0.22	5.73595	5.83484	5.93374	6.03264	6.13153	6.23043				
0.23	5.72982	5.82861	5.92740	6.02619	6.12498	6.22377				
0.24	5.72338	5.82206	5.92074	6.01942	6.11810	6.21678				
0.25	5.71664	5.81520	5.91376	6.01233	6.11089	6.20945				
0.26	5.70958	5.80802	5.90646	6.00490	6.10334	6.20178				
0.27	5.70220	5.80051	5.89882	5.99714	6.09545	6.19377				
0.28	5.69449	5.79267	5.89085	5.98903	6.08721	6.18540				
0.29	5.68645	5.78450	5.88254	5.98058	6.07862	6.17667				
0.30	5.67808	5.77598	5.87388	5.97177	6.06967	6.16757				
0.31	5.66936	5.76711	5.86486	5.96261	6.06035	6.15810				
0.32	5.66029	5.75789	5.85548	5.95307	6.05066	6.14825				
0.33	5.65087	5.74830	5.84573	5.94316	6.04058	6.13801				

L	5.80	5.90	6.00	6.10	6.20	6.30				
X	R	R	R	R	R	R	R	R	R	R
0.34	5.64108	5.73834	5.83560	5.93286	6.03012	6.12738				
0.35	5.63092	5.72800	5.82509	5.92217	6.01925	6.11634				
0.36	5.62037	5.71728	5.81418	5.91108	6.00798	6.10489				
0.37	5.60944	5.70615	5.80287	5.89958	5.99630	6.09301				
0.38	5.59811	5.69463	5.79114	5.88766	5.98418	6.08070				
0.39	5.58637	5.68268	5.77900	5.87532	5.97163	6.06795				
0.40	5.57421	5.67031	5.76642	5.86253	5.95863	6.05474				
0.41	5.56162	5.65751	5.75340	5.84929	5.94518	6.04107				
0.42	5.54859	5.64425	5.73992	5.83558	5.93125	6.02691				
0.43	5.53511	5.63054	5.72597	5.82140	5.91684	6.01227				
0.44	5.52116	5.61635	5.71154	5.80674	5.90193	5.99712				
0.45	5.50673	5.60168	5.69662	5.79157	5.88651	5.98145				
0.46	5.49182	5.58650	5.68119	5.77588	5.87056	5.96525				
0.47	5.47639	5.57081	5.66523	5.75965	5.85408	5.94850				
0.48	5.46045	5.55459	5.64874	5.74288	5.83703	5.93117				
0.49	5.44396	5.53782	5.63168	5.72555	5.81941	5.91327				
0.50	5.42692	5.52049	5.61406	5.70762	5.80119	5.89476				
0.51	5.40930	5.50257	5.59583	5.68910	5.78236	5.87562				
0.52	5.39109	5.48404	5.57699	5.66994	5.76289	5.85584				
0.53	5.37227	5.46490	5.55752	5.65015	5.74277	5.83540				
0.54	5.35281	5.44510	5.53739	5.62968	5.72197	5.81426				
0.55	5.33269	5.42463	5.51657	5.60852	5.70046	5.79240				
0.56	5.31188	5.40347	5.49505	5.58664	5.67822	5.76980				
0.57	5.29037	5.38158	5.47279	5.56401	5.65522	5.74643				
0.58	5.26811	5.35894	5.44977	5.54060	5.63143	5.72226				
0.59	5.24509	5.33552	5.42595	5.51638	5.60682	5.69725				
0.60	5.22126	5.31128	5.40131	5.49133	5.58135	5.67137				
0.61	5.19660	5.28620	5.37580	5.46539	5.55499	5.64458				
0.62	5.17107	5.26023	5.34938	5.43854	5.52770	5.61685				
0.63	5.14463	5.23333	5.32203	5.41073	5.49943	5.58813				
0.64	5.11723	5.20546	5.29368	5.38191	5.47014	5.55837				
0.65	5.08883	5.17657	5.26431	5.35205	5.43979	5.52752				
0.66	5.05939	5.14662	5.23385	5.32108	5.40831	5.49554				
0.67	5.02884	5.11555	5.20225	5.28895	5.37566	5.46236				

L	5.80	5.90	6.00	6.10	6.20	6.30				
X	R	R	R	R	R	R	R	R	R	R
0.68	4.99714	5.08329	5.16945	5.25561	5.34177	5.42792				
0.69	4.96421	5.04980	5.13539	5.22098	5.30657	5.39216				
0.70	4.92999	5.01499	5.09999	5.18499	5.26999	5.35499				
0.71	4.89441	4.97880	5.06318	5.14757	5.23196	5.31634				
0.72	4.85739	4.94113	5.02488	5.10863	5.19238	5.27613				
0.73	4.81882	4.90191	4.98499	5.06807	5.15116	5.23424				
0.74	4.77863	4.86102	4.94341	5.02580	5.10819	5.19058				
0.75	4.73669	4.81836	4.90003	4.98170	5.06336	5.14503				
0.76	4.69290	4.77381	4.85472	4.93563	5.01654	5.09746				
0.77	4.64710	4.72722	4.80734	4.88747	4.96759	5.04771				
0.78	4.59916	4.67845	4.75775	4.83705	4.91634	4.99564				
0.79	4.54890	4.62733	4.70576	4.78419	4.86262	4.94105				
0.80	4.49613	4.57365	4.65117	4.72869	4.80621	4.88373				
0.81	4.44064	4.51721	4.59377	4.67033	4.74690	4.82346				
0.82	4.38218	4.45774	4.53329	4.60885	4.68440	4.75996				
0.83	4.32046	4.39495	4.46944	4.54393	4.61842	4.69292				
0.84	4.25515	4.32851	4.40188	4.47524	4.54861	4.62197				
0.85	4.18586	4.25803	4.33020	4.40237	4.47454	4.54671				
0.86	4.11212	4.18302	4.25392	4.32482	4.39572	4.46662				
0.87	4.03340	4.10294	4.17248	4.24202	4.31156	4.38110				
0.88	3.94901	4.01709	4.08518	4.15327	4.22135	4.28944				
0.89	3.85813	3.92465	3.99117	4.05769	4.12421	4.19073				
0.90	3.75975	3.82457	3.88939	3.95422	4.01904	4.08386				
0.91	3.65253	3.71550	3.77847	3.84145	3.90442	3.96740				
0.92	3.53474	3.59569	3.65663	3.71757	3.77852	3.83946				
0.93	3.40406	3.46276	3.52145	3.58014	3.63883	3.69752				
0.94	3.25720	3.31336	3.36952	3.42568	3.48184	3.53800				
0.95	3.08931	3.14257	3.19583	3.24910	3.30236	3.35563				
0.96	2.89268	2.94255	2.99242	3.04230	3.09217	3.14204				
0.97	2.65385	2.69960	2.74536	2.79112	2.83687	2.88263				
0.98	2.34521	2.38564	2.42608	2.46651	2.50695	2.54738				
0.99	1.88990	1.92249	1.95507	1.98766	2.02024	2.05283				

Table 9

Invariant Latitude,  $\lambda$ , as a Function of  $x$

$$\lambda(x) = \cos^{-1}[pS(p)]^{1/2}; p = (1 - x^2)^{1/3}$$

$x$  No Units

$\lambda$  in Degrees

X	LAMBDA	X	LAMBDA	X	LAMBDA
0.	0.	0.34	9.52802	0.67	21.38509
0.01	0.27020	0.35	9.83089	0.68	21.84240
0.02	0.54030	0.36	10.13592	0.69	22.30937
0.03	0.81054	0.37	10.44320	0.70	22.78660
0.04	1.08091	0.38	10.75282	0.71	23.27473
0.05	1.35155	0.39	11.06490	0.72	23.77446
0.06	1.62238	0.40	11.37952	0.73	24.28657
0.07	1.89352	0.41	11.69680	0.74	24.81190
0.08	2.16502	0.42	12.01685	0.75	25.35141
0.09	2.43690	0.43	12.33978	0.76	25.90615
0.10	2.70925	0.44	12.66572	0.77	26.47728
0.11	2.98210	0.45	12.99479	0.78	27.06612
0.12	3.25551	0.46	13.32712	0.79	27.67416
0.13	3.52952	0.47	13.66285	0.80	28.30307
0.14	3.80421	0.48	14.00213	0.81	28.95479
0.15	4.07960	0.49	14.34511	0.82	29.63152
0.16	4.35577	0.50	14.69194	0.83	30.33580
0.17	4.63277	0.51	15.04279	0.84	31.07063
0.18	4.91065	0.52	15.39785	0.85	31.83952
0.19	5.18947	0.53	15.75729	0.86	32.64664
0.20	5.46929	0.54	16.12132	0.87	33.49703
0.21	5.75018	0.55	16.49013	0.88	34.39686
0.22	6.03218	0.56	16.86394	0.89	35.35374
0.23	6.31537	0.57	17.24300	0.90	36.37732
0.24	6.59980	0.58	17.62754	0.91	37.48006
0.25	6.88556	0.59	18.01784	0.92	38.67846
0.26	7.17269	0.60	18.41416	0.93	39.99514
0.27	7.46126	0.61	18.81680	0.94	41.46234
0.28	7.75136	0.62	19.22609	0.95	43.12859
0.29	8.04305	0.63	19.64237	0.96	45.07236
0.30	8.33641	0.64	20.06599	0.97	47.43456
0.31	8.63150	0.65	20.49737	0.98	50.51454
0.32	8.92841	0.66	20.93692	0.99	55.19197
0.33	9.22722				

**Table 10**

**Roberts' Variable,  $x$ , as a Function of  $\lambda$**

$$x(\lambda) = \left[ 1 - \frac{\cos^6 \lambda}{(4 - 3 \cos^2 \lambda)^{1/2}} \right]^{1/2}$$

$\lambda$  in Degrees

$x$  No Units



LAMBDA	X
0.	0.
1.	0.03700852
2.	0.07397427
3.	0.11065549
4.	0.14711250
5.	0.18320865
6.	0.21886112
7.	0.25399175
8.	0.28852766
9.	0.32240176
10.	0.35555311
11.	0.38792714
12.	0.41947585
13.	0.45015770
14.	0.47993757
15.	0.50878654
16.	0.53668166
17.	0.56360559
18.	0.58954629
19.	0.61449660
20.	0.63845386
21.	0.66141953
22.	0.68339876
23.	0.70440006
24.	0.72443487
25.	0.74351732
26.	0.76166378
27.	0.77889270
28.	0.79522426
29.	0.81068012
30.	0.82528327

LAMBDA	X
31.	0.83905773
32.	0.85202846
33.	0.86422114
34.	0.87566204
35.	0.88637790
36.	0.89639579
37.	0.90574300
38.	0.91444697
39.	0.92253519
40.	0.93003507
41.	0.93697395
42.	0.94337895
43.	0.94927695
44.	0.95469449
45.	0.95965778
46.	0.96419253
47.	0.96832402
48.	0.97207696
49.	0.97547547
50.	0.97854306
51.	0.98130254
52.	0.98377602
53.	0.98598484
54.	0.98794957
55.	0.98968995
56.	0.99122487
57.	0.99257235
58.	0.99374954
59.	0.99477264
60.	0.99565697

LAMBDA	X
61.	0.99641692
62.	0.99706594
63.	0.99761657
64.	0.99808042
65.	0.99846824
66.	0.99878982
67.	0.99905415
68.	0.99926936
69.	0.99944277
70.	0.99958093
71.	0.99968965
72.	0.99977404
73.	0.99983857
74.	0.99988709
75.	0.99992289
76.	0.99994874
77.	0.99996697
78.	0.99997947
79.	0.99998777
80.	0.99999306
81.	0.99999630
82.	0.99999817
83.	0.99999917
84.	0.99999967
85.	0.99999989
86.	0.99999997
87.	0.99999999
88.	0.99999999
89.	0.99999999
90.	1.00000000

**Table 11**

**1 - x as a Function of  $\lambda$**

$$1 - x(\lambda) = 1 - \left[ 1 - \frac{\cos^6 \lambda}{4 - 3 \cos^2 \lambda} \right]^{1/2}$$

$\lambda$  in Degrees

x No Units

LAMBDA	I-X	LAMBDA	I-X	LAMBDA	I-X
0.	0.1000E 01	31.	0.1609E-00	61.	0.3583E-02
1.	0.9630E 00	32.	0.1480E-00	62.	0.2934E-02
2.	0.9261F 00	33.	0.1358E-00	63.	0.2383E-02
3.	0.8893F 00	34.	0.1243E-00	64.	0.1920E-02
4.	0.8529E 00	35.	0.1136E-00	65.	0.1532E-02
5.	0.8168E 00	36.	0.1036E-00	66.	0.1210E-02
6.	0.7811E 00	37.	0.9426E-01	67.	0.9458E-03
7.	0.7460E 00	38.	0.8555E-01	68.	0.7306E-03
8.	0.7115E 00	39.	0.7746E-01	69.	0.5572F-03
9.	0.6776F 00	40.	0.6996E-01	70.	0.4191E-03
10.	0.6444E 00	41.	0.6303E-01	71.	0.3103E-03
11.	0.6121E 00	42.	0.5662E-01	72.	0.2260E-03
12.	0.5805E 00	43.	0.5072E-01	73.	0.1614E-03
13.	0.5498F 00	44.	0.4531E-01	74.	0.1129E-03
14.	0.5201E 00	45.	0.4034E-01	75.	0.7711E-04
15.	0.4912E-00	46.	0.3581E-01	76.	0.5126E-04
16.	0.4633E-00	47.	0.3168E-01	77.	0.3303E-04
17.	0.4364E-00	48.	0.2792E-01	78.	0.2053E-04
18.	0.4105F-00	49.	0.2452E-01	79.	0.1223E-04
19.	0.3855E-00	50.	0.2146E-01	80.	0.6933E-05
20.	0.3615E-00	51.	0.1870E-01	81.	0.3698E-05
21.	0.3386E-00	52.	0.1622E-01	82.	0.1830E-05
22.	0.3166E-00	53.	0.1402E-01	83.	0.8236E-06
23.	0.2956E-00	54.	0.1205E-01	84.	0.3274E-06
24.	0.2756E-00	55.	0.1031E-01	85.	0.1099E-06
25.	0.2565F-00	56.	0.8775E-02	86.	0.2886E-07
26.	0.2383E-00	57.	0.7428E-02	87.	0.5143E-08
27.	0.2211E-00	58.	0.6250E-02	88.	0.4519E-09
28.	0.2048E-00	59.	0.5227E-02	89.	0.7065E-11
29.	0.1893E-00	60.	0.4343E-02	90.	0.
30.	0.1747E-00				

Table 12

Magnetic Field, B, as a Function of  $\lambda$  and R

$$B(\lambda, R) = \frac{M}{R^3} (4 - 3 \cos^2 \lambda)^{1/2}$$

$\lambda$  in Degrees

B in Gauss

R in Earth-Radii

M = 0.311653 (Earth-Radii)<sup>3</sup> - Gauss

R	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.31165	0.26922	0.23415	0.20492	0.18035	0.15957	0.14185	0.12667	0.11358	0.10223
1.00	0.31180	0.26934	0.23426	0.20501	0.18044	0.15964	0.14192	0.12673	0.11363	0.10227
2.00	0.31222	0.26971	0.23458	0.20529	0.18068	0.15986	0.14211	0.12690	0.11378	0.10241
3.00	0.31293	0.27032	0.23511	0.20576	0.18109	0.16022	0.14244	0.12719	0.11404	0.10265
4.00	0.31392	0.27118	0.23585	0.20641	0.18167	0.16073	0.14289	0.12759	0.11440	0.10297
5.00	0.31518	0.27227	0.23680	0.20724	0.18240	0.16137	0.14346	0.12810	0.11486	0.10339
6.00	0.31672	0.27359	0.23796	0.20825	0.18329	0.16216	0.14416	0.12873	0.11542	0.10389
7.00	0.31852	0.27515	0.23931	0.20943	0.18433	0.16308	0.14498	0.12946	0.11608	0.10448
8.00	0.32058	0.27693	0.24086	0.21079	0.18552	0.16414	0.14592	0.13030	0.11683	0.10516
9.00	0.32289	0.27892	0.24259	0.21231	0.18686	0.16532	0.14697	0.13124	0.11767	0.10591
10.00	0.32544	0.28113	0.24451	0.21398	0.18834	0.16663	0.14813	0.13227	0.11860	0.10675
11.00	0.32823	0.28354	0.24661	0.21582	0.18995	0.16805	0.14940	0.13341	0.11962	0.10767
12.00	0.33125	0.28614	0.24887	0.21780	0.19169	0.16960	0.15077	0.13463	0.12072	0.10865
13.00	0.33447	0.28893	0.25129	0.21992	0.19356	0.17125	0.15224	0.13594	0.12189	0.10971
14.00	0.33791	0.29190	0.25387	0.22218	0.19555	0.17301	0.15380	0.13734	0.12314	0.11084
15.00	0.34154	0.29503	0.25660	0.22457	0.19765	0.17487	0.15546	0.13881	0.12447	0.11203
16.00	0.34535	0.29833	0.25947	0.22707	0.19985	0.17682	0.15719	0.14036	0.12586	0.11328
17.00	0.34934	0.30177	0.26246	0.22969	0.20216	0.17886	0.15901	0.14198	0.12731	0.11459
18.00	0.35349	0.30535	0.26558	0.23242	0.20456	0.18098	0.16089	0.14367	0.12882	0.11595
19.00	0.35779	0.30907	0.26881	0.23525	0.20705	0.18319	0.16285	0.14542	0.13039	0.11736
20.00	0.36223	0.31291	0.27215	0.23817	0.20963	0.18546	0.16488	0.14723	0.13201	0.11882
21.00	0.36681	0.31686	0.27559	0.24118	0.21227	0.18781	0.16696	0.14909	0.13368	0.12032
22.00	0.37151	0.32092	0.27912	0.24427	0.21499	0.19021	0.16910	0.15100	0.13539	0.12186
23.00	0.37632	0.32508	0.28273	0.24743	0.21778	0.19267	0.17129	0.15295	0.13714	0.12344
24.00	0.38122	0.32932	0.28642	0.25066	0.22062	0.19519	0.17352	0.15495	0.13893	0.12505
25.00	0.38623	0.33364	0.29018	0.25395	0.22351	0.19775	0.17580	0.15698	0.14075	0.12669
26.00	0.39131	0.33803	0.29400	0.25729	0.22645	0.20035	0.17811	0.15904	0.14261	0.12836
27.00	0.39646	0.34248	0.29787	0.26068	0.22944	0.20299	0.18046	0.16114	0.14448	0.13005
28.00	0.40168	0.34699	0.30179	0.26411	0.23246	0.20566	0.18283	0.16326	0.14639	0.13176
29.00	0.40696	0.35155	0.30575	0.26758	0.23551	0.20836	0.18523	0.16540	0.14831	0.13349
30.00	0.41228	0.35614	0.30975	0.27108	0.23859	0.21109	0.18766	0.16757	0.15025	0.13523
31.00	0.41764	0.36077	0.31378	0.27460	0.24169	0.21383	0.19009	0.16975	0.15220	0.13699
32.00	0.42303	0.36543	0.31783	0.27815	0.24481	0.21659	0.19255	0.17194	0.15416	0.13876
33.00	0.42844	0.37010	0.32189	0.28171	0.24794	0.21936	0.19501	0.17414	0.15614	0.14054

R	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45
LAMBDA	B	B	B	B	B	B	B	B	B	B
34.00	0.43387	0.37479	0.32597	0.28528	0.25108	0.22214	0.19748	0.17634	0.15812	0.14232
35.00	0.43931	0.37949	0.33006	0.28885	0.25423	0.22492	0.19996	0.17855	0.16010	0.14410
36.00	0.44474	0.38419	0.33414	0.29243	0.25738	0.22771	0.20243	0.18076	0.16208	0.14588
37.00	0.45018	0.38888	0.33823	0.29600	0.26052	0.23049	0.20491	0.18297	0.16406	0.14767
38.00	0.45560	0.39357	0.34230	0.29957	0.26366	0.23327	0.20737	0.18518	0.16604	0.14945
39.00	0.46101	0.39824	0.34636	0.30312	0.26679	0.23604	0.20984	0.18737	0.16801	0.15122
40.00	0.46639	0.40289	0.35041	0.30666	0.26990	0.23879	0.21229	0.18956	0.16997	0.15298
41.00	0.47174	0.40751	0.35443	0.31018	0.27300	0.24153	0.21472	0.19174	0.17192	0.15474
42.00	0.47706	0.41211	0.35843	0.31368	0.27608	0.24426	0.21714	0.19390	0.17386	0.15648
43.00	0.48234	0.41667	0.36239	0.31715	0.27913	0.24696	0.21955	0.19605	0.17578	0.15822
44.00	0.48758	0.42119	0.36633	0.32059	0.28216	0.24964	0.22193	0.19817	0.17769	0.15993
45.00	0.49277	0.42567	0.37022	0.32400	0.28517	0.25230	0.22429	0.20028	0.17958	0.16164
46.00	0.49790	0.43010	0.37408	0.32738	0.28814	0.25492	0.22663	0.20237	0.18145	0.16332
47.00	0.50297	0.43449	0.37789	0.33071	0.29107	0.25752	0.22894	0.20443	0.18330	0.16498
48.00	0.50798	0.43882	0.38166	0.33401	0.29397	0.26009	0.23122	0.20647	0.18513	0.16663
49.00	0.51293	0.44309	0.38537	0.33726	0.29683	0.26262	0.23347	0.20848	0.18693	0.16825
50.00	0.51780	0.44730	0.38903	0.34046	0.29965	0.26511	0.23569	0.21046	0.18870	0.16985
51.00	0.52260	0.45144	0.39264	0.34362	0.30243	0.26757	0.23787	0.21241	0.19045	0.17142
52.00	0.52732	0.45552	0.39618	0.34672	0.30516	0.26999	0.24002	0.21432	0.19217	0.17297
53.00	0.53196	0.45952	0.39967	0.34977	0.30784	0.27236	0.24213	0.21621	0.19386	0.17449
54.00	0.53651	0.46346	0.40309	0.35276	0.31048	0.27469	0.24420	0.21806	0.19552	0.17598
55.00	0.54097	0.46731	0.40644	0.35570	0.31306	0.27698	0.24623	0.21987	0.19715	0.17745
56.00	0.54534	0.47109	0.40972	0.35857	0.31559	0.27921	0.24822	0.22165	0.19874	0.17888
57.00	0.54962	0.47478	0.41293	0.36138	0.31806	0.28140	0.25017	0.22339	0.20030	0.18028
58.00	0.55379	0.47839	0.41607	0.36413	0.32048	0.28354	0.25207	0.22508	0.20182	0.18165
59.00	0.55787	0.48191	0.41913	0.36681	0.32284	0.28563	0.25392	0.22674	0.20330	0.18299
60.00	0.56184	0.48534	0.42212	0.36942	0.32514	0.28766	0.25573	0.22836	0.20475	0.18429
61.00	0.56571	0.48868	0.42502	0.37196	0.32738	0.28964	0.25749	0.22993	0.20616	0.18556
62.00	0.56946	0.49192	0.42785	0.37443	0.32955	0.29157	0.25920	0.23145	0.20753	0.18679
63.00	0.57311	0.49507	0.43059	0.37683	0.33166	0.29343	0.26086	0.23294	0.20886	0.18799
64.00	0.57664	0.49812	0.43324	0.37915	0.33370	0.29524	0.26247	0.23437	0.21015	0.18915
65.00	0.58006	0.50108	0.43581	0.38140	0.33568	0.29699	0.26402	0.23576	0.21139	0.19027
66.00	0.58336	0.50393	0.43828	0.38357	0.33759	0.29868	0.26552	0.23710	0.21259	0.19135
67.00	0.58654	0.50667	0.44067	0.38566	0.33943	0.30031	0.26697	0.23839	0.21375	0.19239

R	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45
LAMBDA	B	B	B	B	B	B	B	B	B	B
68.00	0.58959	0.50931	0.44297	0.38767	0.34120	0.30187	0.26836	0.23964	0.21487	0.19340
69.00	0.59253	0.51185	0.44517	0.38960	0.34290	0.30337	0.26970	0.24083	0.21594	0.19436
70.00	0.59534	0.51427	0.44728	0.39144	0.34452	0.30481	0.27098	0.24197	0.21696	0.19528
71.00	0.59802	0.51659	0.44930	0.39321	0.34608	0.30619	0.27220	0.24306	0.21794	0.19616
72.00	0.60057	0.51880	0.45122	0.39489	0.34755	0.30749	0.27336	0.24410	0.21887	0.19700
73.00	0.60299	0.52089	0.45304	0.39648	0.34896	0.30873	0.27446	0.24508	0.21975	0.19779
74.00	0.60529	0.52287	0.45476	0.39799	0.35028	0.30991	0.27551	0.24601	0.22059	0.19854
75.00	0.60745	0.52474	0.45638	0.39941	0.35153	0.31101	0.27649	0.24689	0.22137	0.19925
76.00	0.60947	0.52649	0.45791	0.40074	0.35270	0.31205	0.27741	0.24772	0.22211	0.19992
77.00	0.61136	0.52812	0.45933	0.40198	0.35380	0.31302	0.27827	0.24848	0.22280	0.20054
78.00	0.61312	0.52964	0.46065	0.40314	0.35481	0.31392	0.27907	0.24920	0.22344	0.20111
79.00	0.61474	0.53103	0.46186	0.40420	0.35575	0.31475	0.27981	0.24986	0.22403	0.20164
80.00	0.61622	0.53231	0.46297	0.40517	0.35661	0.31550	0.28048	0.25046	0.22457	0.20213
81.00	0.61756	0.53347	0.46398	0.40606	0.35738	0.31619	0.28109	0.25100	0.22506	0.20257
82.00	0.61876	0.53451	0.46489	0.40685	0.35808	0.31681	0.28164	0.25149	0.22550	0.20296
83.00	0.61982	0.53543	0.46568	0.40754	0.35869	0.31735	0.28212	0.25192	0.22588	0.20331
84.00	0.62075	0.53622	0.46638	0.40815	0.35923	0.31782	0.28254	0.25230	0.22622	0.20362
85.00	0.62153	0.53690	0.46696	0.40866	0.35968	0.31822	0.28290	0.25262	0.22650	0.20387
86.00	0.62217	0.53745	0.46744	0.40909	0.36005	0.31855	0.28319	0.25288	0.22674	0.20408
87.00	0.62267	0.53788	0.46782	0.40941	0.36034	0.31880	0.28342	0.25308	0.22692	0.20424
88.00	0.62302	0.53819	0.46809	0.40965	0.36054	0.31899	0.28358	0.25322	0.22705	0.20436
89.00	0.62323	0.53837	0.46825	0.40979	0.36067	0.31910	0.28368	0.25331	0.22713	0.20443

R	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.09234	0.08369	0.07609	0.06938	0.06343	0.05815	0.05344	0.04922	0.04544	0.04203
1.00	0.09238	0.08373	0.07612	0.06941	0.06346	0.05818	0.05346	0.04924	0.04546	0.04205
2.00	0.09251	0.08384	0.07623	0.06950	0.06355	0.05826	0.05354	0.04931	0.04552	0.04211
3.00	0.09272	0.08403	0.07640	0.06966	0.06369	0.05839	0.05366	0.04942	0.04562	0.04220
4.00	0.09301	0.08430	0.07664	0.06988	0.06390	0.05857	0.05383	0.04958	0.04577	0.04234
5.00	0.09339	0.08464	0.07695	0.07016	0.06415	0.05881	0.05404	0.04978	0.04595	0.04251
6.00	0.09384	0.08505	0.07732	0.07051	0.06447	0.05910	0.05431	0.05002	0.04618	0.04271
7.00	0.09438	0.08553	0.07776	0.07091	0.06483	0.05943	0.05462	0.05031	0.04644	0.04296
8.00	0.09499	0.08609	0.07827	0.07136	0.06525	0.05982	0.05497	0.05063	0.04674	0.04323
9.00	0.09567	0.08671	0.07883	0.07188	0.06572	0.06025	0.05537	0.05100	0.04708	0.04355
10.00	0.09643	0.08739	0.07945	0.07245	0.06624	0.06072	0.05580	0.05140	0.04745	0.04389
11.00	0.09725	0.08814	0.08013	0.07307	0.06681	0.06124	0.05628	0.05184	0.04785	0.04427
12.00	0.09815	0.08895	0.08087	0.07374	0.06742	0.06181	0.05680	0.05232	0.04829	0.04467
13.00	0.09910	0.08982	0.08166	0.07446	0.06808	0.06241	0.05735	0.05283	0.04876	0.04511
14.00	0.10012	0.09074	0.08250	0.07522	0.06878	0.06305	0.05794	0.05337	0.04926	0.04557
15.00	0.10120	0.09172	0.08338	0.07603	0.06952	0.06373	0.05856	0.05394	0.04979	0.04606
16.00	0.10233	0.09274	0.08431	0.07688	0.07029	0.06444	0.05922	0.05454	0.05035	0.04658
17.00	0.10351	0.09381	0.08529	0.07777	0.07110	0.06518	0.05990	0.05517	0.05093	0.04711
18.00	0.10474	0.09492	0.08630	0.07869	0.07195	0.06596	0.06061	0.05583	0.05154	0.04767
19.00	0.10601	0.09608	0.08735	0.07965	0.07282	0.06676	0.06135	0.05651	0.05216	0.04825
20.00	0.10733	0.09727	0.08844	0.08064	0.07373	0.06759	0.06211	0.05721	0.05281	0.04885
21.00	0.10868	0.09850	0.08955	0.08166	0.07466	0.06844	0.06290	0.05793	0.05348	0.04947
22.00	0.11008	0.09976	0.09070	0.08270	0.07562	0.06932	0.06370	0.05867	0.05416	0.05010
23.00	0.11150	0.10105	0.09187	0.08377	0.07660	0.07022	0.06453	0.05943	0.05486	0.05075
24.00	0.11296	0.10237	0.09307	0.08487	0.07760	0.07113	0.06537	0.06021	0.05558	0.05141
25.00	0.11444	0.10372	0.09429	0.08598	0.07861	0.07207	0.06623	0.06100	0.05631	0.05209
26.00	0.11594	0.10508	0.09553	0.08711	0.07965	0.07301	0.06710	0.06180	0.05705	0.05277
27.00	0.11747	0.10647	0.09679	0.08826	0.08070	0.07398	0.06798	0.06262	0.05780	0.05347
28.00	0.11902	0.10787	0.09807	0.08942	0.08176	0.07495	0.06888	0.06344	0.05856	0.05417
29.00	0.12058	0.10928	0.09935	0.09059	0.08283	0.07593	0.06978	0.06427	0.05933	0.05488
30.00	0.12216	0.11071	0.10065	0.09178	0.08392	0.07693	0.07069	0.06511	0.06011	0.05560
31.00	0.12374	0.11215	0.10196	0.09297	0.08501	0.07793	0.07161	0.06596	0.06089	0.05632
32.00	0.12534	0.11360	0.10328	0.09417	0.08610	0.07893	0.07254	0.06681	0.06167	0.05705
33.00	0.12695	0.11505	0.10460	0.09538	0.08721	0.07994	0.07346	0.06767	0.06246	0.05778



R	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95
LAMBDA	B	B	B	B	B	B	B	B	B	B
34.00	0.12855	0.11651	0.10592	0.09658	0.08831	0.08096	0.07439	0.06852	0.06326	0.05851
35.00	0.13016	0.11797	0.10725	0.09779	0.08942	0.08197	0.07533	0.06938	0.06405	0.05925
36.00	0.13178	0.11943	0.10858	0.09901	0.09052	0.08298	0.07626	0.07024	0.06484	0.05998
37.00	0.13339	0.12089	0.10991	0.10022	0.09163	0.08400	0.07719	0.07110	0.06563	0.06071
38.00	0.13499	0.12235	0.11123	0.10142	0.09273	0.08501	0.07812	0.07196	0.06642	0.06144
39.00	0.13659	0.12380	0.11255	0.10263	0.09383	0.08602	0.07905	0.07281	0.06721	0.06217
40.00	0.13819	0.12524	0.11386	0.10382	0.09493	0.08702	0.07997	0.07366	0.06800	0.06290
41.00	0.13978	0.12668	0.11517	0.10502	0.09602	0.08802	0.08089	0.07451	0.06878	0.06362
42.00	0.14135	0.12811	0.11647	0.10620	0.09710	0.08901	0.08180	0.07535	0.06955	0.06434
43.00	0.14292	0.12953	0.11776	0.10738	0.09818	0.09000	0.08271	0.07618	0.07032	0.06505
44.00	0.14447	0.13093	0.11904	0.10854	0.09924	0.09098	0.08360	0.07701	0.07109	0.06576
45.00	0.14600	0.13233	0.12030	0.10970	0.10030	0.09194	0.08449	0.07783	0.07184	0.06646
46.00	0.14753	0.13370	0.12156	0.11084	0.10134	0.09290	0.08537	0.07864	0.07259	0.06715
47.00	0.14903	0.13507	0.12280	0.11197	0.10238	0.09385	0.08624	0.07944	0.07333	0.06783
48.00	0.15051	0.13641	0.12402	0.11308	0.10340	0.09478	0.08710	0.08023	0.07406	0.06851
49.00	0.15198	0.13774	0.12523	0.11418	0.10440	0.09571	0.08795	0.08101	0.07478	0.06918
50.00	0.15342	0.13905	0.12642	0.11527	0.10539	0.09662	0.08879	0.08178	0.07549	0.06983
51.00	0.15484	0.14034	0.12759	0.11634	0.10637	0.09751	0.08961	0.08254	0.07619	0.07048
52.00	0.15624	0.14160	0.12874	0.11739	0.10733	0.09839	0.09042	0.08328	0.07688	0.07112
53.00	0.15762	0.14285	0.12987	0.11842	0.10828	0.09926	0.09121	0.08402	0.07756	0.07174
54.00	0.15897	0.14407	0.13098	0.11943	0.10920	0.10011	0.09199	0.08473	0.07822	0.07236
55.00	0.16029	0.14527	0.13207	0.12043	0.11011	0.10094	0.09276	0.08544	0.07887	0.07296
56.00	0.16158	0.14644	0.13314	0.12140	0.11100	0.10175	0.09351	0.08613	0.07951	0.07355
57.00	0.16285	0.14759	0.13418	0.12235	0.11187	0.10255	0.09424	0.08680	0.08013	0.07412
58.00	0.16409	0.14871	0.13520	0.12328	0.11272	0.10333	0.09496	0.08746	0.08074	0.07469
59.00	0.16529	0.14981	0.13620	0.12419	0.11355	0.10409	0.09566	0.08811	0.08133	0.07524
60.00	0.16647	0.15088	0.13717	0.12507	0.11436	0.10483	0.09634	0.08874	0.08191	0.07577
61.00	0.16762	0.15191	0.13811	0.12593	0.11514	0.10555	0.09700	0.08935	0.08248	0.07629
62.00	0.16873	0.15292	0.13903	0.12677	0.11591	0.10626	0.09764	0.08994	0.08302	0.07680
63.00	0.16981	0.15390	0.13992	0.12758	0.11665	0.10694	0.09827	0.09052	0.08356	0.07729
64.00	0.17086	0.15485	0.14078	0.12837	0.11737	0.10759	0.09888	0.09107	0.08407	0.07777
65.00	0.17187	0.15577	0.14162	0.12913	0.11807	0.10823	0.09946	0.09161	0.08457	0.07823
66.00	0.17285	0.15665	0.14242	0.12986	0.11874	0.10885	0.10003	0.09213	0.08505	0.07867
67.00	0.17379	0.15751	0.14320	0.13057	0.11938	0.10944	0.10057	0.09264	0.08551	0.07910

R	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95
LAMBDA	B	B	B	B	B	B	B	B	B	B
68.00	0.17469	0.15833	0.14394	0.13125	0.12001	0.11001	0.10110	0.09312	0.08596	0.07951
69.00	0.17556	0.15912	0.14466	0.13190	0.12060	0.11056	0.10160	0.09358	0.08639	0.07991
70.00	0.17640	0.15987	0.14535	0.13253	0.12118	0.11108	0.10208	0.09403	0.08680	0.08029
71.00	0.17719	0.16059	0.14600	0.13313	0.12172	0.11158	0.10254	0.09445	0.08719	0.08065
72.00	0.17795	0.16128	0.14662	0.13369	0.12224	0.11206	0.10298	0.09485	0.08756	0.08100
73.00	0.17867	0.16193	0.14722	0.13423	0.12273	0.11251	0.10339	0.09524	0.08791	0.08132
74.00	0.17934	0.16254	0.14778	0.13474	0.12320	0.11294	0.10379	0.09560	0.08825	0.08163
75.00	0.17998	0.16312	0.14830	0.13522	0.12364	0.11334	0.10416	0.09594	0.08856	0.08192
76.00	0.18058	0.16367	0.14880	0.13568	0.12405	0.11372	0.10450	0.09626	0.08886	0.08220
77.00	0.18114	0.16417	0.14926	0.13610	0.12444	0.11407	0.10483	0.09656	0.08913	0.08245
78.00	0.18166	0.16465	0.14969	0.13649	0.12480	0.11440	0.10513	0.09683	0.08939	0.08269
79.00	0.18214	0.16508	0.15008	0.13685	0.12512	0.11470	0.10541	0.09709	0.08962	0.08291
80.00	0.18258	0.16548	0.15044	0.13718	0.12543	0.11498	0.10566	0.09732	0.08984	0.08311
81.00	0.18298	0.16584	0.15077	0.13748	0.12570	0.11523	0.10589	0.09754	0.09004	0.08329
82.00	0.18334	0.16616	0.15106	0.13774	0.12594	0.11545	0.10610	0.09773	0.09021	0.08345
83.00	0.18365	0.16645	0.15132	0.13798	0.12616	0.11565	0.10628	0.09789	0.09037	0.08359
84.00	0.18392	0.16669	0.15155	0.13819	0.12635	0.11582	0.10644	0.09804	0.09050	0.08372
85.00	0.18416	0.16690	0.15174	0.13836	0.12651	0.11597	0.10657	0.09816	0.09061	0.08382
86.00	0.18435	0.16708	0.15190	0.13850	0.12664	0.11609	0.10668	0.09826	0.09071	0.08391
87.00	0.18449	0.16721	0.15202	0.13861	0.12674	0.11618	0.10677	0.09834	0.09078	0.08398
88.00	0.18460	0.16730	0.15210	0.13869	0.12681	0.11625	0.10683	0.09840	0.09083	0.08402
89.00	0.18466	0.16736	0.15216	0.13874	0.12685	0.11629	0.10686	0.09843	0.09086	0.08405

R	2.00	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.03896	0.03618	0.03365	0.03136	0.02927	0.02736	0.02561	0.02401	0.02254	0.01995
1.00	0.03897	0.03619	0.03367	0.03137	0.02928	0.02737	0.02563	0.02403	0.02255	0.01995
2.00	0.03903	0.03624	0.03371	0.03142	0.02932	0.02741	0.02566	0.02406	0.02259	0.01998
3.00	0.03912	0.03632	0.03379	0.03149	0.02939	0.02747	0.02572	0.02411	0.02264	0.02003
4.00	0.03924	0.03644	0.03390	0.03159	0.02948	0.02756	0.02580	0.02419	0.02271	0.02009
5.00	0.03940	0.03658	0.03403	0.03171	0.02960	0.02767	0.02590	0.02429	0.02280	0.02017
6.00	0.03959	0.03676	0.03420	0.03187	0.02974	0.02781	0.02603	0.02440	0.02291	0.02027
7.00	0.03982	0.03697	0.03439	0.03205	0.02991	0.02796	0.02618	0.02454	0.02304	0.02039
8.00	0.04007	0.03721	0.03462	0.03226	0.03011	0.02814	0.02635	0.02470	0.02319	0.02052
9.00	0.04036	0.03748	0.03487	0.03249	0.03032	0.02835	0.02654	0.02488	0.02336	0.02066
10.00	0.04068	0.03778	0.03514	0.03275	0.03056	0.02857	0.02675	0.02508	0.02354	0.02083
11.00	0.04103	0.03810	0.03544	0.03303	0.03083	0.02882	0.02698	0.02529	0.02374	0.02101
12.00	0.04141	0.03845	0.03577	0.03333	0.03111	0.02908	0.02722	0.02552	0.02396	0.02120
13.00	0.04181	0.03882	0.03612	0.03365	0.03141	0.02936	0.02749	0.02577	0.02420	0.02141
14.00	0.04224	0.03922	0.03649	0.03400	0.03173	0.02967	0.02777	0.02604	0.02444	0.02163
15.00	0.04269	0.03964	0.03688	0.03437	0.03208	0.02998	0.02807	0.02632	0.02471	0.02186
16.00	0.04317	0.04009	0.03729	0.03475	0.03243	0.03032	0.02838	0.02661	0.02498	0.02210
17.00	0.04367	0.04055	0.03772	0.03515	0.03281	0.03067	0.02871	0.02692	0.02527	0.02236
18.00	0.04419	0.04103	0.03817	0.03557	0.03320	0.03103	0.02905	0.02724	0.02557	0.02262
19.00	0.04472	0.04153	0.03863	0.03600	0.03360	0.03141	0.02941	0.02757	0.02588	0.02290
20.00	0.04528	0.04205	0.03911	0.03645	0.03402	0.03180	0.02977	0.02791	0.02620	0.02318
21.00	0.04585	0.04258	0.03961	0.03691	0.03445	0.03220	0.03015	0.02826	0.02653	0.02348
22.00	0.04644	0.04312	0.04012	0.03738	0.03489	0.03262	0.03053	0.02863	0.02687	0.02378
23.00	0.04704	0.04368	0.04063	0.03786	0.03534	0.03304	0.03093	0.02900	0.02722	0.02408
24.00	0.04765	0.04425	0.04116	0.03836	0.03580	0.03347	0.03133	0.02937	0.02758	0.02440
25.00	0.04828	0.04483	0.04170	0.03886	0.03627	0.03391	0.03174	0.02976	0.02794	0.02472
26.00	0.04891	0.04542	0.04225	0.03937	0.03675	0.03435	0.03216	0.03015	0.02831	0.02504
27.00	0.04956	0.04602	0.04281	0.03989	0.03723	0.03481	0.03259	0.03055	0.02868	0.02537
28.00	0.05021	0.04663	0.04337	0.04042	0.03772	0.03526	0.03301	0.03095	0.02906	0.02571
29.00	0.05087	0.04724	0.04394	0.04095	0.03822	0.03573	0.03345	0.03136	0.02944	0.02605
30.00	0.05153	0.04786	0.04452	0.04148	0.03872	0.03619	0.03388	0.03177	0.02982	0.02639
31.00	0.05220	0.04848	0.04510	0.04202	0.03922	0.03667	0.03433	0.03218	0.03021	0.02673
32.00	0.05288	0.04910	0.04568	0.04257	0.03973	0.03714	0.03477	0.03260	0.03060	0.02707
33.00	0.05356	0.04973	0.04626	0.04311	0.04024	0.03761	0.03521	0.03301	0.03099	0.02742

R	2.00	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
34.00	0.05423	0.05036	0.04685	0.04366	0.04075	0.03809	0.03566	0.03343	0.03139	0.02777
35.00	0.05491	0.05099	0.04744	0.04420	0.04126	0.03857	0.03611	0.03385	0.03178	0.02812
36.00	0.05559	0.05162	0.04802	0.04475	0.04177	0.03904	0.03655	0.03427	0.03217	0.02846
37.00	0.05627	0.05225	0.04861	0.04530	0.04228	0.03952	0.03700	0.03469	0.03257	0.02881
38.00	0.05695	0.05288	0.04920	0.04584	0.04279	0.04000	0.03745	0.03511	0.03296	0.02916
39.00	0.05763	0.05351	0.04978	0.04639	0.04330	0.04047	0.03789	0.03552	0.03335	0.02950
40.00	0.05830	0.05414	0.05036	0.04693	0.04380	0.04095	0.03833	0.03594	0.03374	0.02985
41.00	0.05897	0.05476	0.05094	0.04747	0.04430	0.04142	0.03877	0.03635	0.03413	0.03019
42.00	0.05963	0.05538	0.05151	0.04800	0.04480	0.04188	0.03921	0.03676	0.03451	0.03053
43.00	0.06029	0.05599	0.05208	0.04853	0.04530	0.04235	0.03964	0.03717	0.03489	0.03087
44.00	0.06095	0.05660	0.05265	0.04906	0.04579	0.04281	0.04007	0.03757	0.03527	0.03121
45.00	0.06160	0.05720	0.05321	0.04958	0.04628	0.04326	0.04050	0.03797	0.03565	0.03154
46.00	0.06224	0.05779	0.05376	0.05010	0.04676	0.04371	0.04092	0.03837	0.03602	0.03187
47.00	0.06287	0.05838	0.05431	0.05061	0.04724	0.04416	0.04134	0.03876	0.03638	0.03219
48.00	0.06350	0.05896	0.05485	0.05111	0.04771	0.04460	0.04175	0.03914	0.03675	0.03251
49.00	0.06412	0.05954	0.05539	0.05161	0.04817	0.04503	0.04216	0.03952	0.03710	0.03283
50.00	0.06473	0.06010	0.05591	0.05210	0.04863	0.04546	0.04256	0.03990	0.03746	0.03314
51.00	0.06532	0.06066	0.05643	0.05258	0.04908	0.04588	0.04295	0.04027	0.03780	0.03345
52.00	0.06591	0.06121	0.05694	0.05306	0.04952	0.04629	0.04334	0.04063	0.03815	0.03375
53.00	0.06649	0.06175	0.05744	0.05353	0.04996	0.04670	0.04372	0.04099	0.03848	0.03405
54.00	0.06706	0.06228	0.05793	0.05398	0.05039	0.04710	0.04410	0.04134	0.03881	0.03434
55.00	0.06762	0.06279	0.05841	0.05443	0.05080	0.04749	0.04446	0.04168	0.03913	0.03462
56.00	0.06817	0.06330	0.05889	0.05487	0.05122	0.04788	0.04482	0.04202	0.03945	0.03490
57.00	0.06870	0.06380	0.05935	0.05530	0.05162	0.04825	0.04517	0.04235	0.03976	0.03518
58.00	0.06922	0.06428	0.05980	0.05572	0.05201	0.04862	0.04552	0.04267	0.04006	0.03544
59.00	0.06973	0.06475	0.06024	0.05613	0.05239	0.04898	0.04585	0.04299	0.04036	0.03570
60.00	0.07023	0.06522	0.06067	0.05653	0.05276	0.04932	0.04618	0.04329	0.04064	0.03596
61.00	0.07071	0.06566	0.06108	0.05692	0.05313	0.04966	0.04650	0.04359	0.04092	0.03621
62.00	0.07118	0.06610	0.06149	0.05730	0.05348	0.04999	0.04680	0.04388	0.04119	0.03645
63.00	0.07164	0.06652	0.06188	0.05767	0.05382	0.05031	0.04710	0.04416	0.04146	0.03668
64.00	0.07208	0.06693	0.06227	0.05802	0.05415	0.05062	0.04739	0.04443	0.04171	0.03691
65.00	0.07251	0.06733	0.06263	0.05837	0.05448	0.05092	0.04767	0.04470	0.04196	0.03712
66.00	0.07292	0.06771	0.06299	0.05870	0.05479	0.05121	0.04795	0.04495	0.04220	0.03733
67.00	0.07332	0.06808	0.06333	0.05902	0.05508	0.05149	0.04821	0.04520	0.04243	0.03754

R	2.00	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
68.00	0.07370	0.06844	0.06366	0.05932	0.05537	0.05176	0.04846	0.04543	0.04265	0.03773
69.00	0.07407	0.06878	0.06398	0.05962	0.05565	0.05202	0.04870	0.04566	0.04286	0.03792
70.00	0.07442	0.06910	0.06428	0.05990	0.05591	0.05227	0.04893	0.04587	0.04307	0.03810
71.00	0.07475	0.06941	0.06457	0.06017	0.05616	0.05250	0.04915	0.04608	0.04326	0.03827
72.00	0.07507	0.06971	0.06485	0.06043	0.05640	0.05273	0.04936	0.04628	0.04344	0.03844
73.00	0.07537	0.06999	0.06511	0.06067	0.05663	0.05294	0.04956	0.04646	0.04362	0.03859
74.00	0.07566	0.07026	0.06536	0.06090	0.05685	0.05314	0.04975	0.04664	0.04379	0.03874
75.00	0.07593	0.07051	0.06559	0.06112	0.05705	0.05333	0.04993	0.04681	0.04394	0.03888
76.00	0.07618	0.07074	0.06581	0.06133	0.05724	0.05351	0.05009	0.04696	0.04409	0.03901
77.00	0.07642	0.07096	0.06601	0.06152	0.05742	0.05367	0.05025	0.04711	0.04422	0.03913
78.00	0.07664	0.07117	0.06620	0.06169	0.05758	0.05383	0.05039	0.04724	0.04435	0.03924
79.00	0.07684	0.07136	0.06638	0.06185	0.05773	0.05397	0.05052	0.04737	0.04447	0.03934
80.00	0.07703	0.07153	0.06654	0.06200	0.05787	0.05410	0.05065	0.04748	0.04458	0.03944
81.00	0.07719	0.07168	0.06668	0.06214	0.05800	0.05422	0.05076	0.04759	0.04467	0.03952
82.00	0.07735	0.07182	0.06681	0.06226	0.05811	0.05432	0.05086	0.04768	0.04476	0.03960
83.00	0.07748	0.07195	0.06693	0.06237	0.05821	0.05442	0.05094	0.04776	0.04484	0.03967
84.00	0.07759	0.07205	0.06703	0.06246	0.05830	0.05450	0.05102	0.04783	0.04490	0.03973
85.00	0.07769	0.07214	0.06711	0.06254	0.05837	0.05456	0.05108	0.04789	0.04496	0.03978
86.00	0.07777	0.07222	0.06718	0.06260	0.05843	0.05462	0.05114	0.04794	0.04501	0.03982
87.00	0.07783	0.07228	0.06724	0.06265	0.05848	0.05466	0.05118	0.04798	0.04504	0.03985
88.00	0.07788	0.07232	0.06727	0.06269	0.05851	0.05470	0.05121	0.04801	0.04507	0.03987
89.00	0.07790	0.07234	0.06730	0.06271	0.05853	0.05471	0.05122	0.04802	0.04508	0.03989

R	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.01773	0.01583	0.01420	0.01278	0.01154	0.01046	0.00951	0.00867	0.00793	0.00727
1.00	0.01774	0.01584	0.01420	0.01278	0.01155	0.01047	0.00952	0.00868	0.00793	0.00727
2.00	0.01776	0.01586	0.01422	0.01280	0.01156	0.01048	0.00953	0.00869	0.00794	0.00728
3.00	0.01780	0.01590	0.01426	0.01283	0.01159	0.01050	0.00955	0.00871	0.00796	0.00730
4.00	0.01786	0.01595	0.01430	0.01287	0.01163	0.01054	0.00958	0.00874	0.00799	0.00732
5.00	0.01793	0.01601	0.01436	0.01292	0.01167	0.01058	0.00962	0.00877	0.00802	0.00735
6.00	0.01802	0.01609	0.01443	0.01299	0.01173	0.01063	0.00967	0.00881	0.00806	0.00739
7.00	0.01812	0.01618	0.01451	0.01306	0.01180	0.01069	0.00972	0.00886	0.00810	0.00743
8.00	0.01824	0.01629	0.01460	0.01314	0.01187	0.01076	0.00978	0.00892	0.00816	0.00748
9.00	0.01837	0.01640	0.01471	0.01324	0.01196	0.01084	0.00985	0.00898	0.00822	0.00753
10.00	0.01852	0.01653	0.01483	0.01334	0.01205	0.01092	0.00993	0.00906	0.00828	0.00759
11.00	0.01868	0.01668	0.01495	0.01346	0.01216	0.01102	0.01002	0.00913	0.00835	0.00766
12.00	0.01885	0.01683	0.01509	0.01358	0.01227	0.01112	0.01011	0.00922	0.00843	0.00773
13.00	0.01903	0.01699	0.01524	0.01371	0.01239	0.01123	0.01021	0.00931	0.00851	0.00780
14.00	0.01923	0.01717	0.01539	0.01385	0.01252	0.01134	0.01031	0.00940	0.00860	0.00788
15.00	0.01943	0.01735	0.01556	0.01400	0.01265	0.01146	0.01042	0.00950	0.00869	0.00797
16.00	0.01965	0.01755	0.01573	0.01416	0.01279	0.01159	0.01054	0.00961	0.00879	0.00805
17.00	0.01988	0.01775	0.01591	0.01432	0.01294	0.01173	0.01066	0.00972	0.00889	0.00815
18.00	0.02011	0.01796	0.01610	0.01449	0.01309	0.01187	0.01079	0.00984	0.00899	0.00824
19.00	0.02036	0.01818	0.01630	0.01467	0.01325	0.01201	0.01092	0.00996	0.00910	0.00834
20.00	0.02061	0.01840	0.01650	0.01485	0.01342	0.01216	0.01105	0.01008	0.00922	0.00845
21.00	0.02087	0.01864	0.01671	0.01504	0.01359	0.01231	0.01119	0.01021	0.00933	0.00856
22.00	0.02114	0.01887	0.01692	0.01523	0.01376	0.01247	0.01134	0.01034	0.00945	0.00866
23.00	0.02141	0.01912	0.01714	0.01543	0.01394	0.01263	0.01148	0.01047	0.00957	0.00878
24.00	0.02169	0.01937	0.01737	0.01563	0.01412	0.01280	0.01163	0.01061	0.00970	0.00889
25.00	0.02197	0.01962	0.01759	0.01584	0.01430	0.01296	0.01179	0.01075	0.00983	0.00901
26.00	0.02226	0.01988	0.01783	0.01604	0.01449	0.01314	0.01194	0.01089	0.00996	0.00913
27.00	0.02256	0.02014	0.01806	0.01626	0.01468	0.01331	0.01210	0.01103	0.01009	0.00925
28.00	0.02285	0.02041	0.01830	0.01647	0.01488	0.01348	0.01226	0.01118	0.01022	0.00937
29.00	0.02315	0.02068	0.01854	0.01669	0.01507	0.01366	0.01242	0.01132	0.01035	0.00949
30.00	0.02346	0.02095	0.01878	0.01690	0.01527	0.01384	0.01258	0.01147	0.01049	0.00962
31.00	0.02376	0.02122	0.01903	0.01712	0.01547	0.01402	0.01275	0.01162	0.01063	0.00974
32.00	0.02407	0.02149	0.01927	0.01735	0.01567	0.01420	0.01291	0.01177	0.01076	0.00987
33.00	0.02438	0.02177	0.01952	0.01757	0.01587	0.01438	0.01307	0.01192	0.01090	0.00999

R	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
34.00	0.02469	0.02204	0.01976	0.01779	0.01607	0.01456	0.01324	0.01207	0.01104	0.01012
35.00	0.02499	0.02232	0.02001	0.01801	0.01627	0.01475	0.01341	0.01222	0.01118	0.01025
36.00	0.02530	0.02260	0.02026	0.01824	0.01647	0.01493	0.01357	0.01238	0.01132	0.01037
37.00	0.02561	0.02287	0.02051	0.01846	0.01667	0.01511	0.01374	0.01253	0.01145	0.01050
38.00	0.02592	0.02315	0.02075	0.01868	0.01687	0.01529	0.01390	0.01268	0.01159	0.01063
39.00	0.02623	0.02342	0.02100	0.01890	0.01707	0.01547	0.01407	0.01283	0.01173	0.01075
40.00	0.02654	0.02370	0.02125	0.01912	0.01727	0.01566	0.01423	0.01298	0.01187	0.01088
41.00	0.02684	0.02397	0.02149	0.01934	0.01747	0.01584	0.01440	0.01313	0.01200	0.01100
42.00	0.02714	0.02424	0.02173	0.01956	0.01767	0.01601	0.01456	0.01328	0.01214	0.01113
43.00	0.02744	0.02451	0.02197	0.01978	0.01786	0.01619	0.01472	0.01342	0.01227	0.01125
44.00	0.02774	0.02477	0.02221	0.01999	0.01806	0.01637	0.01488	0.01357	0.01241	0.01137
45.00	0.02804	0.02504	0.02245	0.02020	0.01825	0.01654	0.01504	0.01371	0.01254	0.01149
46.00	0.02833	0.02530	0.02268	0.02041	0.01844	0.01671	0.01519	0.01385	0.01267	0.01161
47.00	0.02862	0.02555	0.02291	0.02062	0.01863	0.01688	0.01535	0.01400	0.01280	0.01173
48.00	0.02890	0.02581	0.02314	0.02083	0.01881	0.01705	0.01550	0.01414	0.01292	0.01185
49.00	0.02918	0.02606	0.02337	0.02103	0.01900	0.01722	0.01565	0.01427	0.01305	0.01196
50.00	0.02946	0.02631	0.02359	0.02123	0.01918	0.01738	0.01580	0.01441	0.01317	0.01208
51.00	0.02973	0.02655	0.02381	0.02143	0.01936	0.01754	0.01595	0.01454	0.01330	0.01219
52.00	0.03000	0.02679	0.02402	0.02162	0.01953	0.01770	0.01609	0.01467	0.01342	0.01230
53.00	0.03027	0.02703	0.02423	0.02181	0.01970	0.01786	0.01623	0.01480	0.01353	0.01241
54.00	0.03052	0.02726	0.02444	0.02200	0.01987	0.01801	0.01637	0.01493	0.01365	0.01251
55.00	0.03078	0.02748	0.02464	0.02218	0.02004	0.01816	0.01651	0.01505	0.01376	0.01262
56.00	0.03103	0.02771	0.02484	0.02236	0.02020	0.01831	0.01664	0.01517	0.01387	0.01272
57.00	0.03127	0.02792	0.02504	0.02254	0.02036	0.01845	0.01677	0.01529	0.01398	0.01282
58.00	0.03151	0.02814	0.02523	0.02271	0.02051	0.01859	0.01690	0.01541	0.01409	0.01292
59.00	0.03174	0.02834	0.02541	0.02287	0.02066	0.01873	0.01702	0.01552	0.01419	0.01301
60.00	0.03197	0.02854	0.02559	0.02304	0.02081	0.01886	0.01715	0.01563	0.01429	0.01310
61.00	0.03219	0.02874	0.02577	0.02320	0.02095	0.01899	0.01726	0.01574	0.01439	0.01319
62.00	0.03240	0.02893	0.02594	0.02335	0.02109	0.01912	0.01738	0.01585	0.01449	0.01328
63.00	0.03261	0.02912	0.02611	0.02350	0.02123	0.01924	0.01749	0.01595	0.01458	0.01337
64.00	0.03281	0.02930	0.02627	0.02364	0.02136	0.01936	0.01760	0.01605	0.01467	0.01345
65.00	0.03300	0.02947	0.02642	0.02378	0.02148	0.01947	0.01770	0.01614	0.01476	0.01353
66.00	0.03319	0.02964	0.02657	0.02392	0.02161	0.01958	0.01780	0.01623	0.01484	0.01361
67.00	0.03337	0.02980	0.02672	0.02405	0.02172	0.01969	0.01790	0.01632	0.01492	0.01368

R	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
68.00	0.03355	0.02995	0.02686	0.02417	0.02184	0.01979	0.01799	0.01641	0.01500	0.01375
69.00	0.03371	0.03010	0.02699	0.02429	0.02195	0.01989	0.01808	0.01649	0.01508	0.01382
70.00	0.03387	0.03025	0.02712	0.02441	0.02205	0.01998	0.01817	0.01657	0.01515	0.01389
71.00	0.03402	0.03038	0.02724	0.02452	0.02215	0.02007	0.01825	0.01664	0.01522	0.01395
72.00	0.03417	0.03051	0.02736	0.02462	0.02224	0.02016	0.01833	0.01671	0.01528	0.01401
73.00	0.03431	0.03064	0.02747	0.02472	0.02233	0.02024	0.01840	0.01678	0.01534	0.01406
74.00	0.03444	0.03075	0.02757	0.02482	0.02242	0.02032	0.01847	0.01684	0.01540	0.01412
75.00	0.03456	0.03086	0.02767	0.02491	0.02250	0.02039	0.01854	0.01690	0.01546	0.01417
76.00	0.03468	0.03096	0.02776	0.02499	0.02257	0.02046	0.01860	0.01696	0.01551	0.01422
77.00	0.03478	0.03106	0.02785	0.02507	0.02264	0.02052	0.01866	0.01701	0.01555	0.01426
78.00	0.03488	0.03115	0.02793	0.02514	0.02271	0.02058	0.01871	0.01706	0.01560	0.01430
79.00	0.03498	0.03123	0.02800	0.02521	0.02277	0.02063	0.01876	0.01711	0.01564	0.01434
80.00	0.03506	0.03131	0.02807	0.02527	0.02282	0.02068	0.01881	0.01715	0.01568	0.01437
81.00	0.03514	0.03138	0.02813	0.02532	0.02287	0.02073	0.01885	0.01718	0.01571	0.01440
82.00	0.03520	0.03144	0.02819	0.02537	0.02292	0.02077	0.01888	0.01722	0.01574	0.01443
83.00	0.03527	0.03149	0.02824	0.02541	0.02296	0.02081	0.01892	0.01725	0.01577	0.01446
84.00	0.03532	0.03154	0.02828	0.02545	0.02299	0.02084	0.01894	0.01727	0.01579	0.01448
85.00	0.03536	0.03158	0.02831	0.02548	0.02302	0.02086	0.01897	0.01729	0.01581	0.01450
86.00	0.03540	0.03161	0.02834	0.02551	0.02304	0.02088	0.01899	0.01731	0.01583	0.01451
87.00	0.03543	0.03163	0.02836	0.02553	0.02306	0.02090	0.01900	0.01733	0.01584	0.01452
88.00	0.03545	0.03165	0.02838	0.02555	0.02307	0.02091	0.01901	0.01734	0.01585	0.01453
89.00	0.03546	0.03166	0.02839	0.02555	0.02308	0.02092	0.01902	0.01734	0.01586	0.01454



R	3.60	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.00668	0.00615	0.00568	0.00525	0.00487	0.00452	0.00421	0.00392	0.00366	0.00342
1.00	0.00668	0.00616	0.00568	0.00526	0.00487	0.00452	0.00421	0.00392	0.00366	0.00342
2.00	0.00669	0.00616	0.00569	0.00526	0.00488	0.00453	0.00421	0.00393	0.00367	0.00343
3.00	0.00671	0.00618	0.00570	0.00528	0.00489	0.00454	0.00422	0.00394	0.00367	0.00343
4.00	0.00673	0.00620	0.00572	0.00529	0.00490	0.00455	0.00424	0.00395	0.00369	0.00344
5.00	0.00676	0.00622	0.00574	0.00531	0.00492	0.00457	0.00425	0.00396	0.00370	0.00346
6.00	0.00679	0.00625	0.00577	0.00534	0.00495	0.00460	0.00427	0.00398	0.00372	0.00348
7.00	0.00683	0.00629	0.00580	0.00537	0.00498	0.00462	0.00430	0.00401	0.00374	0.00350
8.00	0.00687	0.00633	0.00584	0.00540	0.00501	0.00465	0.00433	0.00403	0.00376	0.00352
9.00	0.00692	0.00637	0.00588	0.00544	0.00505	0.00468	0.00436	0.00406	0.00379	0.00354
10.00	0.00698	0.00642	0.00593	0.00549	0.00509	0.00472	0.00439	0.00409	0.00382	0.00357
11.00	0.00704	0.00648	0.00598	0.00553	0.00513	0.00476	0.00443	0.00413	0.00385	0.00360
12.00	0.00710	0.00654	0.00604	0.00558	0.00518	0.00481	0.00447	0.00417	0.00389	0.00364
13.00	0.00717	0.00660	0.00610	0.00564	0.00523	0.00485	0.00451	0.00421	0.00393	0.00367
14.00	0.00724	0.00667	0.00616	0.00570	0.00528	0.00490	0.00456	0.00425	0.00397	0.00371
15.00	0.00732	0.00674	0.00622	0.00576	0.00534	0.00496	0.00461	0.00430	0.00401	0.00375
16.00	0.00740	0.00682	0.00629	0.00582	0.00540	0.00501	0.00466	0.00434	0.00405	0.00379
17.00	0.00749	0.00690	0.00637	0.00589	0.00546	0.00507	0.00472	0.00439	0.00410	0.00383
18.00	0.00758	0.00698	0.00644	0.00596	0.00552	0.00513	0.00477	0.00445	0.00415	0.00388
19.00	0.00767	0.00706	0.00652	0.00603	0.00559	0.00519	0.00483	0.00450	0.00420	0.00393
20.00	0.00776	0.00715	0.00660	0.00611	0.00566	0.00526	0.00489	0.00456	0.00425	0.00398
21.00	0.00786	0.00724	0.00668	0.00618	0.00573	0.00532	0.00495	0.00461	0.00431	0.00403
22.00	0.00796	0.00733	0.00677	0.00626	0.00580	0.00539	0.00501	0.00467	0.00436	0.00408
23.00	0.00807	0.00743	0.00686	0.00634	0.00588	0.00546	0.00508	0.00473	0.00442	0.00413
24.00	0.00817	0.00753	0.00695	0.00643	0.00596	0.00553	0.00515	0.00479	0.00448	0.00418
25.00	0.00828	0.00762	0.00704	0.00651	0.00603	0.00560	0.00521	0.00486	0.00453	0.00424
26.00	0.00839	0.00773	0.00713	0.00660	0.00611	0.00568	0.00528	0.00492	0.00459	0.00429
27.00	0.00850	0.00783	0.00723	0.00668	0.00619	0.00575	0.00535	0.00499	0.00465	0.00435
28.00	0.00861	0.00793	0.00732	0.00677	0.00628	0.00583	0.00542	0.00505	0.00472	0.00441
29.00	0.00872	0.00803	0.00742	0.00686	0.00636	0.00590	0.00549	0.00512	0.00478	0.00447
30.00	0.00884	0.00814	0.00751	0.00695	0.00644	0.00598	0.00556	0.00519	0.00484	0.00452
31.00	0.00895	0.00825	0.00761	0.00704	0.00653	0.00606	0.00564	0.00525	0.00490	0.00458
32.00	0.00907	0.00835	0.00771	0.00713	0.00661	0.00614	0.00571	0.00532	0.00497	0.00464
33.00	0.00918	0.00846	0.00781	0.00722	0.00669	0.00622	0.00578	0.00539	0.00503	0.00470

R	3.60	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
34.00	0.00930	0.00857	0.00791	0.00731	0.00678	0.00630	0.00586	0.00546	0.00509	0.00476
35.00	0.00942	0.00867	0.00801	0.00741	0.00686	0.00637	0.00593	0.00553	0.00516	0.00482
36.00	0.00953	0.00878	0.00811	0.00750	0.00695	0.00645	0.00600	0.00559	0.00522	0.00488
37.00	0.00965	0.00889	0.00820	0.00759	0.00703	0.00653	0.00608	0.00566	0.00528	0.00494
38.00	0.00977	0.00899	0.00830	0.00768	0.00712	0.00661	0.00615	0.00573	0.00535	0.00500
39.00	0.00988	0.00910	0.00840	0.00777	0.00720	0.00669	0.00622	0.00580	0.00541	0.00506
40.00	0.01000	0.00921	0.00850	0.00786	0.00729	0.00677	0.00630	0.00587	0.00548	0.00512
41.00	0.01011	0.00931	0.00860	0.00795	0.00737	0.00684	0.00637	0.00593	0.00554	0.00518
42.00	0.01023	0.00942	0.00869	0.00804	0.00745	0.00692	0.00644	0.00600	0.00560	0.00524
43.00	0.01034	0.00952	0.00879	0.00813	0.00754	0.00700	0.00651	0.00607	0.00566	0.00529
44.00	0.01045	0.00963	0.00889	0.00822	0.00762	0.00707	0.00658	0.00613	0.00572	0.00535
45.00	0.01056	0.00973	0.00898	0.00831	0.00770	0.00715	0.00665	0.00620	0.00578	0.00541
46.00	0.01067	0.00983	0.00907	0.00839	0.00778	0.00722	0.00672	0.00626	0.00584	0.00546
47.00	0.01078	0.00993	0.00917	0.00848	0.00786	0.00730	0.00679	0.00633	0.00590	0.00552
48.00	0.01089	0.01003	0.00926	0.00856	0.00794	0.00737	0.00686	0.00639	0.00596	0.00557
49.00	0.01099	0.01013	0.00935	0.00865	0.00801	0.00744	0.00692	0.00645	0.00602	0.00563
50.00	0.01110	0.01022	0.00944	0.00873	0.00809	0.00751	0.00699	0.00651	0.00608	0.00568
51.00	0.01120	0.01032	0.00952	0.00881	0.00817	0.00758	0.00705	0.00657	0.00613	0.00573
52.00	0.01130	0.01041	0.00961	0.00889	0.00824	0.00765	0.00712	0.00663	0.00619	0.00579
53.00	0.01140	0.01050	0.00969	0.00897	0.00831	0.00772	0.00718	0.00669	0.00624	0.00584
54.00	0.01150	0.01059	0.00978	0.00904	0.00838	0.00778	0.00724	0.00675	0.00630	0.00589
55.00	0.01159	0.01068	0.00986	0.00912	0.00845	0.00785	0.00730	0.00680	0.00635	0.00594
56.00	0.01169	0.01077	0.00994	0.00919	0.00852	0.00791	0.00736	0.00686	0.00640	0.00598
57.00	0.01178	0.01085	0.01002	0.00927	0.00859	0.00797	0.00742	0.00691	0.00645	0.00603
58.00	0.01187	0.01093	0.01009	0.00934	0.00865	0.00804	0.00747	0.00697	0.00650	0.00608
59.00	0.01196	0.01101	0.01017	0.00940	0.00872	0.00809	0.00753	0.00702	0.00655	0.00612
60.00	0.01204	0.01109	0.01024	0.00947	0.00878	0.00815	0.00758	0.00707	0.00660	0.00617
61.00	0.01213	0.01117	0.01031	0.00954	0.00884	0.00821	0.00764	0.00712	0.00664	0.00621
62.00	0.01221	0.01124	0.01038	0.00960	0.00890	0.00826	0.00769	0.00716	0.00669	0.00625
63.00	0.01228	0.01131	0.01044	0.00966	0.00895	0.00832	0.00774	0.00721	0.00673	0.00629
64.00	0.01236	0.01138	0.01051	0.00972	0.00901	0.00837	0.00778	0.00725	0.00677	0.00633
65.00	0.01243	0.01145	0.01057	0.00978	0.00906	0.00842	0.00783	0.00730	0.00681	0.00637
66.00	0.01250	0.01152	0.01063	0.00983	0.00911	0.00846	0.00787	0.00734	0.00685	0.00640
67.00	0.01257	0.01158	0.01069	0.00989	0.00916	0.00851	0.00792	0.00738	0.00689	0.00644

R	3.60	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
68.00	0.01264	0.01164	0.01074	0.00994	0.00921	0.00855	0.00796	0.00742	0.00692	0.00647
69.00	0.01270	0.01170	0.01080	0.00999	0.00926	0.00860	0.00800	0.00745	0.00696	0.00650
70.00	0.01276	0.01175	0.01085	0.01004	0.00930	0.00864	0.00804	0.00749	0.00699	0.00653
71.00	0.01282	0.01181	0.01090	0.01008	0.00934	0.00868	0.00807	0.00752	0.00702	0.00656
72.00	0.01287	0.01186	0.01094	0.01012	0.00938	0.00871	0.00811	0.00755	0.00705	0.00659
73.00	0.01292	0.01190	0.01099	0.01017	0.00942	0.00875	0.00814	0.00758	0.00708	0.00662
74.00	0.01297	0.01195	0.01103	0.01020	0.00946	0.00878	0.00817	0.00761	0.00711	0.00664
75.00	0.01302	0.01199	0.01107	0.01024	0.00949	0.00881	0.00820	0.00764	0.00713	0.00667
76.00	0.01306	0.01203	0.01111	0.01027	0.00952	0.00884	0.00823	0.00767	0.00715	0.00669
77.00	0.01310	0.01207	0.01114	0.01031	0.00955	0.00887	0.00825	0.00769	0.00718	0.00671
78.00	0.01314	0.01210	0.01117	0.01034	0.00958	0.00890	0.00828	0.00771	0.00720	0.00673
79.00	0.01318	0.01214	0.01120	0.01036	0.00961	0.00892	0.00830	0.00773	0.00722	0.00675
80.00	0.01321	0.01217	0.01123	0.01039	0.00963	0.00894	0.00832	0.00775	0.00723	0.00676
81.00	0.01324	0.01219	0.01125	0.01041	0.00965	0.00896	0.00834	0.00777	0.00725	0.00678
82.00	0.01326	0.01222	0.01128	0.01043	0.00967	0.00898	0.00835	0.00778	0.00726	0.00679
83.00	0.01328	0.01224	0.01130	0.01045	0.00968	0.00899	0.00837	0.00780	0.00728	0.00680
84.00	0.01330	0.01225	0.01131	0.01046	0.00970	0.00901	0.00838	0.00781	0.00729	0.00681
85.00	0.01332	0.01227	0.01133	0.01048	0.00971	0.00902	0.00839	0.00782	0.00730	0.00682
86.00	0.01334	0.01228	0.01134	0.01049	0.00972	0.00903	0.00840	0.00783	0.00730	0.00683
87.00	0.01335	0.01229	0.01135	0.01050	0.00973	0.00903	0.00840	0.00783	0.00731	0.00683
88.00	0.01335	0.01230	0.01135	0.01050	0.00973	0.00904	0.00841	0.00784	0.00731	0.00684
89.00	0.01336	0.01230	0.01136	0.01051	0.00974	0.00904	0.00841	0.00784	0.00732	0.00684

R	4.60	4.70	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.00320	0.00300	0.00282	0.00265	0.00249	0.00235	0.00222	0.00209	0.00198	0.00187
1.00	0.00320	0.00300	0.00282	0.00265	0.00249	0.00235	0.00222	0.00209	0.00198	0.00187
2.00	0.00321	0.00301	0.00282	0.00265	0.00250	0.00235	0.00222	0.00210	0.00198	0.00188
3.00	0.00321	0.00301	0.00283	0.00266	0.00250	0.00236	0.00223	0.00210	0.00199	0.00188
4.00	0.00323	0.00302	0.00284	0.00267	0.00251	0.00237	0.00223	0.00211	0.00199	0.00189
5.00	0.00324	0.00304	0.00285	0.00268	0.00252	0.00238	0.00224	0.00212	0.00200	0.00189
6.00	0.00325	0.00305	0.00286	0.00269	0.00253	0.00239	0.00225	0.00213	0.00201	0.00190
7.00	0.00327	0.00307	0.00288	0.00271	0.00255	0.00240	0.00227	0.00214	0.00202	0.00191
8.00	0.00329	0.00309	0.00290	0.00272	0.00256	0.00242	0.00228	0.00215	0.00204	0.00193
9.00	0.00332	0.00311	0.00292	0.00274	0.00258	0.00243	0.00230	0.00217	0.00205	0.00194
10.00	0.00334	0.00313	0.00294	0.00277	0.00260	0.00245	0.00231	0.00219	0.00207	0.00196
11.00	0.00337	0.00316	0.00297	0.00279	0.00263	0.00247	0.00233	0.00220	0.00208	0.00197
12.00	0.00340	0.00319	0.00300	0.00282	0.00265	0.00250	0.00236	0.00222	0.00210	0.00199
13.00	0.00344	0.00322	0.00302	0.00284	0.00268	0.00252	0.00238	0.00225	0.00212	0.00201
14.00	0.00347	0.00325	0.00306	0.00287	0.00270	0.00255	0.00240	0.00227	0.00215	0.00203
15.00	0.00351	0.00329	0.00309	0.00290	0.00273	0.00257	0.00243	0.00229	0.00217	0.00205
16.00	0.00355	0.00333	0.00312	0.00294	0.00276	0.00260	0.00246	0.00232	0.00219	0.00208
17.00	0.00359	0.00336	0.00316	0.00297	0.00279	0.00263	0.00248	0.00235	0.00222	0.00210
18.00	0.00363	0.00340	0.00320	0.00300	0.00283	0.00266	0.00251	0.00237	0.00224	0.00212
19.00	0.00368	0.00345	0.00324	0.00304	0.00286	0.00270	0.00254	0.00240	0.00227	0.00215
20.00	0.00372	0.00349	0.00328	0.00308	0.00290	0.00273	0.00258	0.00243	0.00230	0.00218
21.00	0.00377	0.00353	0.00332	0.00312	0.00293	0.00277	0.00261	0.00246	0.00233	0.00220
22.00	0.00382	0.00358	0.00336	0.00316	0.00297	0.00280	0.00264	0.00250	0.00236	0.00223
23.00	0.00387	0.00362	0.00340	0.00320	0.00301	0.00284	0.00268	0.00253	0.00239	0.00226
24.00	0.00392	0.00367	0.00345	0.00324	0.00305	0.00287	0.00271	0.00256	0.00242	0.00229
25.00	0.00397	0.00372	0.00349	0.00328	0.00309	0.00291	0.00275	0.00259	0.00245	0.00232
26.00	0.00402	0.00377	0.00354	0.00333	0.00313	0.00295	0.00278	0.00263	0.00249	0.00235
27.00	0.00407	0.00382	0.00358	0.00337	0.00317	0.00299	0.00282	0.00266	0.00252	0.00238
28.00	0.00413	0.00387	0.00363	0.00341	0.00321	0.00303	0.00286	0.00270	0.00255	0.00241
29.00	0.00418	0.00392	0.00368	0.00346	0.00326	0.00307	0.00289	0.00273	0.00258	0.00245
30.00	0.00424	0.00397	0.00373	0.00350	0.00330	0.00311	0.00293	0.00277	0.00262	0.00248
31.00	0.00429	0.00402	0.00378	0.00355	0.00334	0.00315	0.00297	0.00281	0.00265	0.00251
32.00	0.00435	0.00407	0.00383	0.00360	0.00338	0.00319	0.00301	0.00284	0.00269	0.00254
33.00	0.00440	0.00413	0.00387	0.00364	0.00343	0.00323	0.00305	0.00288	0.00272	0.00258

R	4.60	4.70	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
34.00	0.00446	0.00418	0.00392	0.00369	0.00347	0.00327	0.00309	0.00291	0.00276	0.00261
35.00	0.00451	0.00423	0.00397	0.00373	0.00351	0.00331	0.00312	0.00295	0.00279	0.00264
36.00	0.00457	0.00428	0.00402	0.00378	0.00356	0.00335	0.00316	0.00299	0.00282	0.00267
37.00	0.00462	0.00434	0.00407	0.00383	0.00360	0.00339	0.00320	0.00302	0.00286	0.00271
38.00	0.00468	0.00439	0.00412	0.00387	0.00364	0.00343	0.00324	0.00306	0.00289	0.00274
39.00	0.00474	0.00444	0.00417	0.00392	0.00369	0.00348	0.00328	0.00310	0.00293	0.00277
40.00	0.00479	0.00449	0.00422	0.00396	0.00373	0.00352	0.00332	0.00313	0.00296	0.00280
41.00	0.00485	0.00454	0.00427	0.00401	0.00377	0.00356	0.00336	0.00317	0.00300	0.00284
42.00	0.00490	0.00459	0.00431	0.00405	0.00382	0.00360	0.00339	0.00320	0.00303	0.00287
43.00	0.00496	0.00465	0.00436	0.00410	0.00386	0.00364	0.00343	0.00324	0.00306	0.00290
44.00	0.00501	0.00470	0.00441	0.00414	0.00390	0.00368	0.00347	0.00328	0.00310	0.00293
45.00	0.00506	0.00475	0.00446	0.00419	0.00394	0.00371	0.00350	0.00331	0.00313	0.00296
46.00	0.00512	0.00480	0.00450	0.00423	0.00398	0.00375	0.00354	0.00334	0.00316	0.00299
47.00	0.00517	0.00484	0.00455	0.00428	0.00402	0.00379	0.00358	0.00338	0.00319	0.00302
48.00	0.00522	0.00489	0.00459	0.00432	0.00406	0.00383	0.00361	0.00341	0.00323	0.00305
49.00	0.00527	0.00494	0.00464	0.00436	0.00410	0.00387	0.00365	0.00345	0.00326	0.00308
50.00	0.00532	0.00499	0.00468	0.00440	0.00414	0.00390	0.00368	0.00348	0.00329	0.00311
51.00	0.00537	0.00503	0.00473	0.00444	0.00418	0.00394	0.00372	0.00351	0.00332	0.00314
52.00	0.00542	0.00508	0.00477	0.00448	0.00422	0.00398	0.00375	0.00354	0.00335	0.00317
53.00	0.00547	0.00512	0.00481	0.00452	0.00426	0.00401	0.00378	0.00357	0.00338	0.00320
54.00	0.00551	0.00517	0.00485	0.00456	0.00429	0.00404	0.00382	0.00360	0.00341	0.00322
55.00	0.00556	0.00521	0.00489	0.00460	0.00433	0.00408	0.00385	0.00363	0.00344	0.00325
56.00	0.00560	0.00525	0.00493	0.00464	0.00436	0.00411	0.00388	0.00366	0.00346	0.00328
57.00	0.00565	0.00529	0.00497	0.00467	0.00440	0.00414	0.00391	0.00369	0.00349	0.00330
58.00	0.00569	0.00533	0.00501	0.00471	0.00443	0.00417	0.00394	0.00372	0.00352	0.00333
59.00	0.00573	0.00537	0.00504	0.00474	0.00446	0.00421	0.00397	0.00375	0.00354	0.00335
60.00	0.00577	0.00541	0.00508	0.00478	0.00449	0.00424	0.00400	0.00377	0.00357	0.00338
61.00	0.00581	0.00545	0.00512	0.00481	0.00453	0.00426	0.00402	0.00380	0.00359	0.00340
62.00	0.00585	0.00548	0.00515	0.00484	0.00456	0.00429	0.00405	0.00383	0.00362	0.00342
63.00	0.00589	0.00552	0.00518	0.00487	0.00458	0.00432	0.00408	0.00385	0.00364	0.00344
64.00	0.00592	0.00555	0.00521	0.00490	0.00461	0.00435	0.00410	0.00387	0.00366	0.00347
65.00	0.00596	0.00559	0.00525	0.00493	0.00464	0.00437	0.00413	0.00390	0.00368	0.00349
66.00	0.00599	0.00562	0.00527	0.00496	0.00467	0.00440	0.00415	0.00392	0.00370	0.00351
67.00	0.00603	0.00565	0.00530	0.00499	0.00469	0.00442	0.00417	0.00394	0.00372	0.00353

R	4.60	4.70	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50
LAMBDA	B	B	B	B	B	B	B	B	B	B
68.00	0.00606	0.00568	0.00533	0.00501	0.00472	0.00444	0.00419	0.00396	0.00374	0.00354
69.00	0.00609	0.00571	0.00536	0.00504	0.00474	0.00447	0.00421	0.00398	0.00376	0.00356
70.00	0.00612	0.00573	0.00538	0.00506	0.00476	0.00449	0.00423	0.00400	0.00378	0.00358
71.00	0.00614	0.00576	0.00541	0.00508	0.00478	0.00451	0.00425	0.00402	0.00380	0.00359
72.00	0.00617	0.00578	0.00543	0.00510	0.00480	0.00453	0.00427	0.00403	0.00381	0.00361
73.00	0.00619	0.00581	0.00545	0.00513	0.00482	0.00455	0.00429	0.00405	0.00383	0.00362
74.00	0.00622	0.00583	0.00547	0.00514	0.00484	0.00456	0.00430	0.00407	0.00384	0.00364
75.00	0.00624	0.00585	0.00549	0.00516	0.00486	0.00458	0.00432	0.00408	0.00386	0.00365
76.00	0.00626	0.00587	0.00551	0.00518	0.00488	0.00459	0.00433	0.00409	0.00387	0.00366
77.00	0.00628	0.00589	0.00553	0.00520	0.00489	0.00461	0.00435	0.00411	0.00388	0.00367
78.00	0.00630	0.00591	0.00554	0.00521	0.00490	0.00462	0.00436	0.00412	0.00389	0.00369
79.00	0.00632	0.00592	0.00556	0.00523	0.00492	0.00463	0.00437	0.00413	0.00390	0.00369
80.00	0.00633	0.00594	0.00557	0.00524	0.00493	0.00465	0.00438	0.00414	0.00391	0.00370
81.00	0.00634	0.00595	0.00558	0.00525	0.00494	0.00466	0.00439	0.00415	0.00392	0.00371
82.00	0.00636	0.00596	0.00559	0.00526	0.00495	0.00466	0.00440	0.00416	0.00393	0.00372
83.00	0.00637	0.00597	0.00560	0.00527	0.00496	0.00467	0.00441	0.00416	0.00394	0.00373
84.00	0.00638	0.00598	0.00561	0.00528	0.00497	0.00468	0.00441	0.00417	0.00394	0.00373
85.00	0.00639	0.00599	0.00562	0.00528	0.00497	0.00469	0.00442	0.00417	0.00395	0.00374
86.00	0.00639	0.00599	0.00563	0.00529	0.00498	0.00469	0.00442	0.00418	0.00395	0.00374
87.00	0.00640	0.00600	0.00563	0.00529	0.00498	0.00469	0.00443	0.00418	0.00395	0.00374
88.00	0.00640	0.00600	0.00563	0.00530	0.00498	0.00470	0.00443	0.00418	0.00396	0.00374
89.00	0.00640	0.00600	0.00564	0.00530	0.00499	0.00470	0.00443	0.00419	0.00396	0.00375

R	5.60	5.70	5.80	5.90	6.00	6.10				
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.00177	0.00168	0.00160	0.00152	0.00144	0.00137				
1.00	0.00178	0.00168	0.00160	0.00152	0.00144	0.00137				
2.00	0.00178	0.00169	0.00160	0.00152	0.00145	0.00138				
3.00	0.00178	0.00169	0.00160	0.00152	0.00145	0.00138				
4.00	0.00179	0.00170	0.00161	0.00153	0.00145	0.00138				
5.00	0.00179	0.00170	0.00162	0.00153	0.00146	0.00139				
6.00	0.00180	0.00171	0.00162	0.00154	0.00147	0.00140				
7.00	0.00181	0.00172	0.00163	0.00155	0.00147	0.00140				
8.00	0.00183	0.00173	0.00164	0.00156	0.00148	0.00141				
9.00	0.00184	0.00174	0.00165	0.00157	0.00149	0.00142				
10.00	0.00185	0.00176	0.00167	0.00158	0.00151	0.00143				
11.00	0.00187	0.00177	0.00168	0.00160	0.00152	0.00145				
12.00	0.00189	0.00179	0.00170	0.00161	0.00153	0.00146				
13.00	0.00190	0.00181	0.00171	0.00163	0.00155	0.00147				
14.00	0.00192	0.00182	0.00173	0.00165	0.00156	0.00149				
15.00	0.00194	0.00184	0.00175	0.00166	0.00158	0.00150				
16.00	0.00197	0.00186	0.00177	0.00168	0.00160	0.00152				
17.00	0.00199	0.00189	0.00179	0.00170	0.00162	0.00154				
18.00	0.00201	0.00191	0.00181	0.00172	0.00164	0.00156				
19.00	0.00204	0.00193	0.00183	0.00174	0.00166	0.00158				
20.00	0.00206	0.00196	0.00186	0.00176	0.00168	0.00160				
21.00	0.00209	0.00198	0.00188	0.00179	0.00170	0.00162				
22.00	0.00212	0.00201	0.00190	0.00181	0.00172	0.00164				
23.00	0.00214	0.00203	0.00193	0.00183	0.00174	0.00166				
24.00	0.00217	0.00206	0.00195	0.00186	0.00176	0.00168				
25.00	0.00220	0.00209	0.00198	0.00188	0.00179	0.00170				
26.00	0.00223	0.00211	0.00201	0.00191	0.00181	0.00172				
27.00	0.00226	0.00214	0.00203	0.00193	0.00184	0.00175				
28.00	0.00229	0.00217	0.00206	0.00196	0.00186	0.00177				
29.00	0.00232	0.00220	0.00209	0.00198	0.00188	0.00179				
30.00	0.00235	0.00223	0.00211	0.00201	0.00191	0.00182				
31.00	0.00238	0.00226	0.00214	0.00203	0.00193	0.00184				
32.00	0.00241	0.00228	0.00217	0.00206	0.00196	0.00186				
33.00	0.00244	0.00231	0.00220	0.00209	0.00198	0.00189				

R	5.60	5.70	5.80	5.90	6.00	6.10				
LAMBDA	B	B	B	B	B	B	B	B	B	B
34.00	0.00247	0.00234	0.00222	0.00211	0.00201	0.00191				
35.00	0.00250	0.00237	0.00225	0.00214	0.00203	0.00194				
36.00	0.00253	0.00240	0.00228	0.00217	0.00206	0.00196				
37.00	0.00256	0.00243	0.00231	0.00219	0.00208	0.00198				
38.00	0.00259	0.00246	0.00234	0.00222	0.00211	0.00201				
39.00	0.00263	0.00249	0.00236	0.00224	0.00213	0.00203				
40.00	0.00266	0.00252	0.00239	0.00227	0.00216	0.00205				
41.00	0.00269	0.00255	0.00242	0.00230	0.00218	0.00208				
42.00	0.00272	0.00258	0.00245	0.00232	0.00221	0.00210				
43.00	0.00275	0.00260	0.00247	0.00235	0.00223	0.00213				
44.00	0.00278	0.00263	0.00250	0.00237	0.00226	0.00215				
45.00	0.00281	0.00266	0.00253	0.00240	0.00228	0.00217				
46.00	0.00284	0.00269	0.00255	0.00242	0.00231	0.00219				
47.00	0.00286	0.00272	0.00258	0.00245	0.00233	0.00222				
48.00	0.00289	0.00274	0.00260	0.00247	0.00235	0.00224				
49.00	0.00292	0.00277	0.00263	0.00250	0.00237	0.00226				
50.00	0.00295	0.00280	0.00265	0.00252	0.00240	0.00228				
51.00	0.00298	0.00282	0.00268	0.00254	0.00242	0.00230				
52.00	0.00300	0.00285	0.00270	0.00257	0.00244	0.00232				
53.00	0.00303	0.00287	0.00273	0.00259	0.00246	0.00234				
54.00	0.00305	0.00290	0.00275	0.00261	0.00248	0.00236				
55.00	0.00308	0.00292	0.00277	0.00263	0.00250	0.00238				
56.00	0.00311	0.00294	0.00280	0.00266	0.00252	0.00240				
57.00	0.00313	0.00297	0.00282	0.00268	0.00254	0.00242				
58.00	0.00315	0.00299	0.00284	0.00270	0.00256	0.00244				
59.00	0.00318	0.00301	0.00286	0.00272	0.00258	0.00246				
60.00	0.00320	0.00303	0.00288	0.00274	0.00260	0.00248				
61.00	0.00322	0.00305	0.00290	0.00275	0.00262	0.00249				
62.00	0.00324	0.00307	0.00292	0.00277	0.00264	0.00251				
63.00	0.00326	0.00309	0.00294	0.00279	0.00265	0.00252				
64.00	0.00328	0.00311	0.00296	0.00281	0.00267	0.00254				
65.00	0.00330	0.00313	0.00297	0.00282	0.00269	0.00256				
66.00	0.00332	0.00315	0.00299	0.00284	0.00270	0.00257				
67.00	0.00334	0.00317	0.00301	0.00286	0.00272	0.00258				



R	5.60	5.70	5.80	5.90	6.00	6.10				
LAMBDA	B	B	B	B	B	B	B	B	B	B
68.00	0.00336	0.00318	0.00302	0.00287	0.00273	0.00260				
69.00	0.00337	0.00320	0.00304	0.00289	0.00274	0.00261				
70.00	0.00339	0.00321	0.00305	0.00290	0.00276	0.00262				
71.00	0.00341	0.00323	0.00306	0.00291	0.00277	0.00263				
72.00	0.00342	0.00324	0.00308	0.00292	0.00278	0.00265				
73.00	0.00343	0.00326	0.00309	0.00294	0.00279	0.00266				
74.00	0.00345	0.00327	0.00310	0.00295	0.00280	0.00267				
75.00	0.00346	0.00328	0.00311	0.00296	0.00281	0.00268				
76.00	0.00347	0.00329	0.00312	0.00297	0.00282	0.00269				
77.00	0.00348	0.00330	0.00313	0.00298	0.00283	0.00269				
78.00	0.00349	0.00331	0.00314	0.00299	0.00284	0.00270				
79.00	0.00350	0.00332	0.00315	0.00299	0.00285	0.00271				
80.00	0.00351	0.00333	0.00316	0.00300	0.00285	0.00271				
81.00	0.00352	0.00333	0.00317	0.00301	0.00286	0.00272				
82.00	0.00352	0.00334	0.00317	0.00301	0.00286	0.00273				
83.00	0.00353	0.00335	0.00318	0.00302	0.00287	0.00273				
84.00	0.00353	0.00335	0.00318	0.00302	0.00287	0.00273				
85.00	0.00354	0.00336	0.00319	0.00303	0.00288	0.00274				
86.00	0.00354	0.00336	0.00319	0.00303	0.00288	0.00274				
87.00	0.00355	0.00336	0.00319	0.00303	0.00288	0.00274				
88.00	0.00355	0.00336	0.00319	0.00303	0.00288	0.00274				
89.00	0.00355	0.00337	0.00319	0.00303	0.00289	0.00275				

Table 13

McIlwain's Parameter, L, as a Function of  $\lambda$  and R

$$L(\lambda, R) = R \sec^2 \lambda$$

$\lambda$  in Degrees  
L in Earth-Radii  
R in Earth-Radii

R	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45
LAMBDA	L	L	L	L	L	L	L	L	L	L
0.	1.00000	1.05000	1.10000	1.15000	1.20000	1.25000	1.30000	1.35000	1.40000	1.45000
1.00	1.00030	1.05032	1.10034	1.15035	1.20037	1.25038	1.30040	1.35041	1.40043	1.45044
2.00	1.00122	1.05128	1.10134	1.15140	1.20146	1.25152	1.30159	1.35165	1.40171	1.45177
3.00	1.00275	1.05288	1.10302	1.15316	1.20330	1.25343	1.30357	1.35371	1.40385	1.45398
4.00	1.00489	1.05513	1.10538	1.15562	1.20587	1.25611	1.30636	1.35660	1.40685	1.45709
5.00	1.00765	1.05804	1.10842	1.15880	1.20919	1.25957	1.30995	1.36033	1.41072	1.46110
6.00	1.01105	1.06160	1.11215	1.16270	1.21326	1.26381	1.31436	1.36491	1.41547	1.46602
7.00	1.01508	1.06583	1.11658	1.16734	1.21809	1.26885	1.31960	1.37035	1.42111	1.47186
8.00	1.01975	1.07074	1.12173	1.17271	1.22370	1.27469	1.32568	1.37666	1.42765	1.47864
9.00	1.02509	1.07634	1.12759	1.17885	1.23010	1.28136	1.33261	1.38387	1.43512	1.48637
10.00	1.03109	1.08265	1.13420	1.18575	1.23731	1.28886	1.34042	1.39197	1.44353	1.49508
11.00	1.03778	1.08967	1.14156	1.19345	1.24534	1.29723	1.34912	1.40101	1.45290	1.50479
12.00	1.04518	1.09744	1.14970	1.20196	1.25422	1.30648	1.35873	1.41099	1.46325	1.51551
13.00	1.05330	1.10597	1.15863	1.21130	1.26396	1.31663	1.36929	1.42196	1.47462	1.52729
14.00	1.06216	1.11527	1.16838	1.22149	1.27460	1.32771	1.38081	1.43392	1.48703	1.54014
15.00	1.07180	1.12539	1.17898	1.23257	1.28616	1.33975	1.39334	1.44693	1.50052	1.55411
16.00	1.08222	1.13633	1.19045	1.24456	1.29867	1.35278	1.40689	1.46100	1.51511	1.56922
17.00	1.09347	1.14814	1.20282	1.25749	1.31217	1.36684	1.42151	1.47619	1.53086	1.58553
18.00	1.10557	1.16085	1.21613	1.27141	1.32669	1.38197	1.43724	1.49252	1.54780	1.60308
19.00	1.11856	1.17449	1.23042	1.28635	1.34227	1.39820	1.45413	1.51006	1.56599	1.62191
20.00	1.13247	1.18910	1.24572	1.30235	1.35897	1.41559	1.47222	1.52884	1.58546	1.64209
21.00	1.14735	1.20472	1.26209	1.31945	1.37682	1.43419	1.49156	1.54892	1.60629	1.66366
22.00	1.16324	1.22140	1.27956	1.33772	1.39588	1.45405	1.51221	1.57037	1.62853	1.68669
23.00	1.18018	1.23919	1.29820	1.35721	1.41621	1.47522	1.53423	1.59324	1.65225	1.71126
24.00	1.19823	1.25814	1.31805	1.37796	1.43787	1.49779	1.55770	1.61761	1.67752	1.73743
25.00	1.21744	1.27831	1.33919	1.40006	1.46093	1.52180	1.58268	1.64355	1.70442	1.76529
26.00	1.23788	1.29978	1.36167	1.42357	1.48546	1.54735	1.60925	1.67114	1.73304	1.79493
27.00	1.25962	1.32260	1.38558	1.44856	1.51154	1.57452	1.63750	1.70048	1.76346	1.82644
28.00	1.28271	1.34685	1.41099	1.47512	1.53926	1.60339	1.66753	1.73167	1.79580	1.85994
29.00	1.30726	1.37262	1.43798	1.50335	1.56871	1.63407	1.69944	1.76480	1.83016	1.89552
30.00	1.33333	1.40000	1.46667	1.53333	1.60000	1.66667	1.73333	1.80000	1.86667	1.93333
31.00	1.36103	1.42909	1.49714	1.56519	1.63324	1.70129	1.76934	1.83740	1.90545	1.97350
32.00	1.39046	1.45998	1.52951	1.59903	1.66855	1.73808	1.80760	1.87712	1.94665	2.01617
33.00	1.42173	1.49282	1.56390	1.63499	1.70608	1.77716	1.84825	1.91934	1.99042	2.06151

R	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45
LAMBDA	L	L	L	L	L	L	L	L	L	L
34.00	1.45496	1.52771	1.60046	1.67321	1.74595	1.81870	1.89145	1.96420	2.03695	2.10969
35.00	1.49029	1.56481	1.63932	1.71383	1.78835	1.86286	1.93738	2.01189	2.08641	2.16092
36.00	1.52786	1.60426	1.68065	1.75704	1.83344	1.90983	1.98622	2.06262	2.13901	2.21540
37.00	1.56784	1.64624	1.72463	1.80302	1.88141	1.95980	2.03820	2.11659	2.19498	2.27337
38.00	1.61041	1.69093	1.77145	1.85197	1.93249	2.01301	2.09353	2.17405	2.25457	2.33509
39.00	1.65575	1.73854	1.82133	1.90411	1.98690	2.06969	2.15248	2.23526	2.31805	2.40084
40.00	1.70409	1.78929	1.87450	1.95970	2.04491	2.13011	2.21531	2.30052	2.38572	2.47093
41.00	1.75566	1.84344	1.93123	2.01901	2.10679	2.19457	2.28236	2.37014	2.45792	2.54571
42.00	1.81073	1.90126	1.99180	2.08234	2.17287	2.26341	2.35395	2.44448	2.53502	2.62555
43.00	1.86958	1.96306	2.05654	2.15002	2.24350	2.33698	2.43046	2.52394	2.61742	2.71090
44.00	1.93255	2.02918	2.12581	2.22244	2.31907	2.41569	2.51232	2.60895	2.70558	2.80220
45.00	2.00000	2.10000	2.20000	2.30000	2.40000	2.50000	2.60000	2.70000	2.80000	2.90000
46.00	2.07232	2.17594	2.27956	2.38317	2.48679	2.59040	2.69402	2.79764	2.90125	3.00487
47.00	2.14997	2.25747	2.36497	2.47247	2.57997	2.68747	2.79497	2.90247	3.00996	3.11746
48.00	2.23346	2.34513	2.45681	2.56848	2.68015	2.79183	2.90350	3.01517	3.12684	3.23852
49.00	2.32335	2.43951	2.55568	2.67185	2.78802	2.90418	3.02035	3.13652	3.25269	3.36885
50.00	2.42028	2.54129	2.66230	2.78332	2.90433	3.02535	3.14636	3.26737	3.38839	3.50940
51.00	2.52497	2.65122	2.77747	2.90372	3.02997	3.15621	3.28246	3.40871	3.53496	3.66121
52.00	2.63825	2.77016	2.90208	3.03399	3.16590	3.29781	3.42973	3.56164	3.69355	3.82546
53.00	2.76105	2.89910	3.03715	3.17521	3.31326	3.45131	3.58936	3.72741	3.86547	4.00352
54.00	2.89443	3.03915	3.18387	3.32859	3.47331	3.61803	3.76276	3.90748	4.05220	4.19692
55.00	3.03961	3.19159	3.34357	3.49555	3.64753	3.79951	3.95149	4.10347	4.25545	4.40743
56.00	3.19799	3.35789	3.51779	3.67769	3.83758	3.99748	4.15738	4.31728	4.47718	4.63708
57.00	3.37118	3.53974	3.70830	3.87686	4.04542	4.21398	4.38254	4.55110	4.71966	4.88822
58.00	3.56107	3.73912	3.91718	4.09523	4.27328	4.45134	4.62939	4.80744	4.98550	5.16355
59.00	3.76983	3.95832	4.14681	4.33530	4.52379	4.71228	4.90077	5.08926	5.27776	5.46625
60.00	4.00000	4.20000	4.40000	4.60000	4.80000	5.00000	5.20000	5.40000	5.60000	5.80000
61.00	4.25459	4.46732	4.68005	4.89278	5.10551	5.31823	5.53096	5.74369	5.95642	6.16915
62.00	4.53713	4.76399	4.99084	5.21770	5.44456	5.67141	5.89827	6.12513	6.35198	6.57884
63.00	4.85184	5.09443	5.33702	5.57962	5.82221	6.06480	6.30739	6.54998	6.79258	7.03517
64.00	5.20375	5.46393	5.72412	5.98431	6.24449	6.50468	6.76487	7.02506	7.28524	7.54543
65.00	5.59891	5.87885	6.15880	6.43875	6.71869	6.99864	7.27858	7.55853	7.83847	8.11842
66.00	6.04468	6.34692	6.64915	6.95138	7.25362	7.55585	7.85809	8.16032	8.46255	8.76479
67.00	6.55004	6.87754	7.20504	7.53255	7.86005	8.18755	8.51505	8.84255	9.17006	9.49756

R	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45
LAMBDA	L	L	L	L	L	L	L	L	L	L
68.00	7.12605	7.48236	7.83866	8.19496	8.55126	8.90757	9.26387	9.62017	9.97648	0.
69.00	7.78649	8.17581	8.56514	8.95446	9.34379	9.73311	0.	0.	0.	0.
70.00	8.54863	8.97606	9.40349	9.83093	0.	0.	0.	0.	0.	0.
71.00	9.43444	9.90616	0.	0.	0.	0.	0.	0.	0.	0.
72.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
73.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
74.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
75.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
76.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
77.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
78.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
79.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
80.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
81.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
82.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
83.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
84.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
86.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
88.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
89.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

R	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95
LAMBDA	L	L	L	L	L	L	L	L	L	L
0.	1.50000	1.55000	1.60000	1.65000	1.70000	1.75000	1.80000	1.85000	1.90000	1.95000
1.00	1.50046	1.55047	1.60049	1.65050	1.70052	1.75053	1.80055	1.85056	1.90058	1.95059
2.00	1.50183	1.55189	1.60195	1.65201	1.70207	1.75213	1.80220	1.85226	1.90232	1.95238
3.00	1.50412	1.55426	1.60439	1.65453	1.70467	1.75481	1.80494	1.85508	1.90522	1.95536
4.00	1.50733	1.55758	1.60782	1.65807	1.70831	1.75856	1.80880	1.85905	1.90929	1.95954
5.00	1.51148	1.56186	1.61225	1.66263	1.71301	1.76339	1.81378	1.86416	1.91454	1.96493
6.00	1.51657	1.56712	1.61768	1.66823	1.71878	1.76933	1.81988	1.87044	1.92099	1.97154
7.00	1.52261	1.57337	1.62412	1.67488	1.72563	1.77638	1.82714	1.87789	1.92864	1.97940
8.00	1.52963	1.58062	1.63160	1.68259	1.73358	1.78457	1.83555	1.88654	1.93753	1.98852
9.00	1.53763	1.58888	1.64014	1.69139	1.74265	1.79390	1.84515	1.89641	1.94766	1.99892
10.00	1.54664	1.59819	1.64975	1.70130	1.75286	1.80441	1.85596	1.90752	1.95907	2.01063
11.00	1.55668	1.60856	1.66045	1.71234	1.76423	1.81612	1.86801	1.91990	1.97179	2.02368
12.00	1.56777	1.62003	1.67229	1.72455	1.77681	1.82907	1.88132	1.93358	1.98584	2.03810
13.00	1.57995	1.63262	1.68528	1.73795	1.79061	1.84328	1.89594	1.94861	2.00127	2.05394
14.00	1.59325	1.64635	1.69946	1.75257	1.80568	1.85879	1.91190	1.96500	2.01811	2.07122
15.00	1.60770	1.66129	1.71487	1.76846	1.82205	1.87564	1.92923	1.98282	2.03641	2.09000
16.00	1.62333	1.67745	1.73156	1.78567	1.83978	1.89389	1.94800	2.00211	2.05622	2.11033
17.00	1.64021	1.69488	1.74955	1.80423	1.85890	1.91357	1.96825	2.02292	2.07760	2.13227
18.00	1.65836	1.71364	1.76892	1.82420	1.87947	1.93475	1.99003	2.04531	2.10059	2.15587
19.00	1.67784	1.73377	1.78970	1.84563	1.90155	1.95748	2.01341	2.06934	2.12527	2.18119
20.00	1.69871	1.75534	1.81196	1.86858	1.92521	1.98183	2.03845	2.09508	2.15170	2.20832
21.00	1.72103	1.77839	1.83576	1.89313	1.95050	2.00787	2.06523	2.12260	2.17997	2.23734
22.00	1.74486	1.80302	1.86118	1.91934	1.97750	2.03567	2.09383	2.15199	2.21015	2.26831
23.00	1.77027	1.82928	1.88829	1.94730	2.00630	2.06531	2.12432	2.18333	2.24234	2.30135
24.00	1.79734	1.85725	1.91717	1.97708	2.03699	2.09690	2.15681	2.21672	2.27663	2.33655
25.00	1.82616	1.88704	1.94791	2.00878	2.06965	2.13052	2.19140	2.25227	2.31314	2.37401
26.00	1.85682	1.91872	1.98061	2.04251	2.10440	2.16630	2.22819	2.29008	2.35198	2.41387
27.00	1.88942	1.95241	2.01539	2.07837	2.14135	2.20433	2.26731	2.33029	2.39327	2.45625
28.00	1.92407	1.98821	2.05234	2.11648	2.18062	2.24475	2.30889	2.37302	2.43716	2.50129
29.00	1.96089	2.02625	2.09161	2.15698	2.22234	2.28770	2.35307	2.41843	2.48379	2.54915
30.00	2.00000	2.06667	2.13333	2.20000	2.26667	2.33333	2.40000	2.46667	2.53333	2.60000
31.00	2.04155	2.10960	2.17765	2.24571	2.31376	2.38181	2.44986	2.51791	2.58596	2.65402
32.00	2.08569	2.15522	2.22474	2.29426	2.36378	2.43331	2.50283	2.57235	2.64188	2.71140
33.00	2.13260	2.20368	2.27477	2.34585	2.41694	2.48803	2.55911	2.63020	2.70129	2.77237



R	2.00	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50
LAMBDA	L	L	L	L	L	L	L	L	L	L
0.	2.00000	2.05000	2.10000	2.15000	2.20000	2.25000	2.30000	2.35000	2.40000	2.50000
1.00	2.00061	2.05062	2.10064	2.15066	2.20067	2.25069	2.30070	2.35072	2.40073	2.50076
2.00	2.00244	2.05250	2.10256	2.15262	2.20268	2.25274	2.30280	2.35287	2.40293	2.50305
3.00	2.00549	2.05563	2.10577	2.15591	2.20604	2.25618	2.30632	2.35645	2.40659	2.50687
4.00	2.00978	2.06002	2.11027	2.16051	2.21076	2.26100	2.31125	2.36149	2.41174	2.51222
5.00	2.01531	2.06569	2.11607	2.16646	2.21684	2.26722	2.31760	2.36799	2.41837	2.51914
6.00	2.02209	2.07265	2.12320	2.17375	2.22430	2.27486	2.32541	2.37596	2.42651	2.52762
7.00	2.03015	2.08091	2.13166	2.18241	2.23317	2.28392	2.33467	2.38543	2.43618	2.53769
8.00	2.03950	2.09049	2.14148	2.19247	2.24345	2.29444	2.34543	2.39642	2.44740	2.54938
9.00	2.05017	2.10143	2.15268	2.20393	2.25519	2.30644	2.35770	2.40895	2.46021	2.56271
10.00	2.06218	2.11374	2.16529	2.21685	2.26840	2.31996	2.37151	2.42306	2.47462	2.57773
11.00	2.07557	2.12746	2.17935	2.23123	2.28312	2.33501	2.38690	2.43879	2.49068	2.59446
12.00	2.09036	2.14262	2.19488	2.24714	2.29940	2.35166	2.40391	2.45617	2.50843	2.61295
13.00	2.10660	2.15927	2.21193	2.26460	2.31726	2.36993	2.42259	2.47526	2.52792	2.63325
14.00	2.12433	2.17744	2.23055	2.28365	2.33676	2.38987	2.44298	2.49609	2.54919	2.65541
15.00	2.14359	2.19718	2.25077	2.30436	2.35795	2.41154	2.46513	2.51872	2.57231	2.67949
16.00	2.16445	2.21856	2.27267	2.32678	2.38089	2.43500	2.48911	2.54322	2.59734	2.70556
17.00	2.18694	2.24162	2.29629	2.35096	2.40564	2.46031	2.51498	2.56966	2.62433	2.73368
18.00	2.21115	2.26642	2.32170	2.37698	2.43226	2.48754	2.54282	2.59810	2.65337	2.76393
19.00	2.23712	2.29305	2.34898	2.40491	2.46084	2.51676	2.57269	2.62862	2.68455	2.79640
20.00	2.26495	2.32157	2.37820	2.43482	2.49144	2.54807	2.60469	2.66131	2.71794	2.83119
21.00	2.29470	2.35207	2.40944	2.46681	2.52417	2.58154	2.63891	2.69628	2.75364	2.86838
22.00	2.32647	2.38464	2.44280	2.50096	2.55912	2.61728	2.67545	2.73361	2.79177	2.90809
23.00	2.36036	2.41937	2.47838	2.53738	2.59639	2.65540	2.71441	2.77342	2.83243	2.95045
24.00	2.39646	2.45637	2.51628	2.57619	2.63610	2.69601	2.75593	2.81584	2.87575	2.99557
25.00	2.43489	2.49576	2.55663	2.61750	2.67837	2.73925	2.80012	2.86099	2.92186	3.04361
26.00	2.47577	2.53766	2.59955	2.66145	2.72334	2.78524	2.84713	2.90903	2.97092	3.09471
27.00	2.51923	2.58221	2.64519	2.70817	2.77116	2.83414	2.89712	2.96010	3.02308	3.14904
28.00	2.56543	2.62957	2.69370	2.75784	2.82197	2.88611	2.95024	3.01438	3.07852	3.20679
29.00	2.61452	2.67988	2.74524	2.81061	2.87597	2.94133	3.00669	3.07206	3.13742	3.26815
30.00	2.66667	2.73333	2.80000	2.86667	2.93333	3.00000	3.06667	3.13333	3.20000	3.33333
31.00	2.72207	2.79012	2.85817	2.92622	2.99427	3.06233	3.13038	3.19843	3.26648	3.40258
32.00	2.78092	2.85045	2.91997	2.98949	3.05902	3.12854	3.19806	3.26758	3.33711	3.47615
33.00	2.84346	2.91455	2.98563	3.05672	3.12781	3.19889	3.26998	3.34107	3.41215	3.55433





R	2.60	2.70	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50
LAMBDA	L	L	L	L	L	L	L	L	L	L
0.	2.60000	2.70000	2.80000	2.90000	3.00000	3.10000	3.20000	3.30000	3.40000	3.50000
1.00	2.60079	2.70082	2.80085	2.90088	3.00091	3.10094	3.20097	3.30101	3.40104	3.50107
2.00	2.60317	2.70329	2.80341	2.90354	3.00366	3.10378	3.20390	3.30402	3.40415	3.50427
3.00	2.60714	2.70742	2.80769	2.90797	3.00824	3.10851	3.20879	3.30906	3.40934	3.50961
4.00	2.61271	2.71320	2.81369	2.91418	3.01467	3.11516	3.21565	3.31614	3.41663	3.51711
5.00	2.61990	2.72067	2.82143	2.92220	3.02296	3.12373	3.22449	3.32526	3.42602	3.52679
6.00	2.62872	2.72983	2.83093	2.93204	3.03314	3.13425	3.23535	3.33645	3.43756	3.53866
7.00	2.63920	2.74071	2.84221	2.94372	3.04523	3.14674	3.24824	3.34975	3.45126	3.55277
8.00	2.65135	2.75333	2.85530	2.95728	3.05926	3.16123	3.26321	3.36518	3.46716	3.56913
9.00	2.66522	2.76773	2.87024	2.97275	3.07526	3.17777	3.28027	3.38278	3.48529	3.58780
10.00	2.68084	2.78395	2.88706	2.99016	3.09327	3.19638	3.29949	3.40260	3.50571	3.60882
11.00	2.69824	2.80202	2.90579	3.00957	3.11335	3.21713	3.32091	3.42469	3.52846	3.63224
12.00	2.71747	2.82199	2.92650	3.03102	3.13554	3.24006	3.34458	3.44909	3.55361	3.65813
13.00	2.73858	2.84391	2.94924	3.05457	3.15990	3.26523	3.37056	3.47589	3.58122	3.68655
14.00	2.76163	2.86784	2.97406	3.08028	3.18649	3.29271	3.39893	3.50514	3.61136	3.71758
15.00	2.78667	2.89385	3.00103	3.10821	3.21539	3.32257	3.42975	3.53693	3.64411	3.75129
16.00	2.81378	2.92200	3.03022	3.13845	3.24667	3.35489	3.46311	3.57134	3.67956	3.78778
17.00	2.84303	2.95237	3.06172	3.17107	3.28041	3.38976	3.49911	3.60846	3.71780	3.82715
18.00	2.87449	2.98505	3.09560	3.20616	3.31672	3.42728	3.53783	3.64839	3.75895	3.86950
19.00	2.90826	3.02012	3.13197	3.24383	3.35568	3.46754	3.57940	3.69125	3.80311	3.91497
20.00	2.94443	3.05768	3.17093	3.28418	3.39742	3.51067	3.62392	3.73717	3.85041	3.96366
21.00	2.98311	3.09785	3.21258	3.32732	3.44205	3.55679	3.67153	3.78626	3.90100	4.01573
22.00	3.02442	3.14074	3.25706	3.37339	3.48971	3.60604	3.72236	3.83868	3.95501	4.07133
23.00	3.06846	3.18648	3.30450	3.42252	3.54054	3.65855	3.77657	3.89459	4.01261	4.13063
24.00	3.11539	3.23522	3.35504	3.47486	3.59469	3.71451	3.83433	3.95415	4.07398	4.19380
25.00	3.16535	3.28710	3.40884	3.53058	3.65233	3.77407	3.89582	4.01756	4.13931	4.26105
26.00	3.21850	3.34228	3.46607	3.58986	3.71365	3.83744	3.96123	4.08501	4.20880	4.33259
27.00	3.27500	3.40096	3.52693	3.65289	3.77885	3.90481	4.03077	4.15673	4.28269	4.40866
28.00	3.33506	3.46333	3.59160	3.71987	3.84814	3.97642	4.10469	4.23296	4.36123	4.48950
29.00	3.39887	3.52960	3.66032	3.79105	3.92178	4.05250	4.18323	4.31395	4.44468	4.57540
30.00	3.46667	3.60000	3.73333	3.86667	4.00000	4.13333	4.26667	4.40000	4.53333	4.66667
31.00	3.53869	3.67479	3.81089	3.94700	4.08310	4.21920	4.35531	4.49141	4.62751	4.76362
32.00	3.61520	3.75425	3.89329	4.03234	4.17139	4.31043	4.44948	4.58852	4.72757	4.86662
33.00	3.69650	3.83867	3.98084	4.12302	4.26519	4.40736	4.54954	4.69171	4.83388	4.97606



R	3.60	3.70	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50
LAMBDA	L	L	L	L	L	L	L	L	L	L
0.	3.60000	3.70000	3.80000	3.90000	4.00000	4.10000	4.20000	4.30000	4.40000	4.50000
1.00	3.60110	3.70113	3.80116	3.90119	4.00122	4.10125	4.20128	4.30131	4.40134	4.50137
2.00	3.60439	3.70451	3.80463	3.90476	4.00488	4.10500	4.20512	4.30524	4.40537	4.50549
3.00	3.60989	3.71016	3.81044	3.91071	4.01099	4.11126	4.21154	4.31181	4.41208	4.51236
4.00	3.61760	3.71809	3.81858	3.91907	4.01956	4.12005	4.22054	4.32103	4.42151	4.52200
5.00	3.62756	3.72832	3.82909	3.92985	4.03062	4.13138	4.23215	4.33291	4.43368	4.53444
6.00	3.63977	3.74087	3.84198	3.94308	4.04419	4.14529	4.24640	4.34750	4.44861	4.54971
7.00	3.65427	3.75578	3.85729	3.95880	4.06030	4.16181	4.26332	4.36483	4.46633	4.56784
8.00	3.67111	3.77308	3.87506	3.97703	4.07901	4.18098	4.28296	4.38493	4.48691	4.58888
9.00	3.69031	3.79282	3.89533	3.99783	4.10034	4.20285	4.30536	4.40787	4.51038	4.61289
10.00	3.71193	3.81504	3.91815	4.02126	4.12436	4.22747	4.33058	4.43369	4.53680	4.63991
11.00	3.73602	3.83980	3.94358	4.04736	4.15113	4.25491	4.35869	4.46247	4.56625	4.67003
12.00	3.76265	3.86717	3.97169	4.07620	4.18072	4.28524	4.38976	4.49428	4.59879	4.70331
13.00	3.79188	3.89721	4.00254	4.10787	4.21320	4.31853	4.42386	4.52919	4.63452	4.73985
14.00	3.82379	3.93001	4.03622	4.14244	4.24866	4.35487	4.46109	4.56731	4.67352	4.77974
15.00	3.85847	3.96565	4.07283	4.18001	4.28719	4.39437	4.50155	4.60873	4.71591	4.82309
16.00	3.89600	4.00422	4.11245	4.22067	4.32889	4.43711	4.54534	4.65356	4.76178	4.87000
17.00	3.93650	4.04584	4.15519	4.26454	4.37388	4.48323	4.59258	4.70193	4.81127	4.92062
18.00	3.98006	4.09062	4.20118	4.31173	4.42229	4.53285	4.64341	4.75396	4.86452	4.97508
19.00	4.02682	4.13868	4.25053	4.36239	4.47425	4.58610	4.69796	4.80981	4.92167	5.03353
20.00	4.07691	4.19015	4.30340	4.41665	4.52990	4.64314	4.75639	4.86964	4.98289	5.09613
21.00	4.13047	4.24520	4.35994	4.47467	4.58941	4.70414	4.81888	4.93361	5.04835	5.16308
22.00	4.18765	4.30398	4.42030	4.53662	4.65295	4.76927	4.88560	5.00192	5.11824	5.23457
23.00	4.24864	4.36666	4.48468	4.60270	4.72072	4.83873	4.95675	5.07477	5.19279	5.31080
24.00	4.31362	4.43345	4.55327	4.67309	4.79291	4.91274	5.03256	5.15238	5.27221	5.39203
25.00	4.38279	4.50454	4.62628	4.74803	4.86977	4.99152	5.11326	5.23500	5.35675	5.47849
26.00	4.45638	4.58017	4.70396	4.82774	4.95153	5.07532	5.19911	5.32290	5.44669	5.57047
27.00	4.53462	4.66058	4.78654	4.91250	5.03846	5.16443	5.29039	5.41635	5.54231	5.66827
28.00	4.61777	4.74605	4.87432	5.00259	5.13086	5.25913	5.38740	5.51567	5.64395	5.77222
29.00	4.70613	4.83686	4.96758	5.09831	5.22903	5.35976	5.49049	5.62121	5.75194	5.88266
30.00	4.80000	4.93333	5.06667	5.20000	5.33333	5.46667	5.60000	5.73333	5.86667	6.00000
31.00	4.89972	5.03582	5.17193	5.30803	5.44413	5.58024	5.71634	5.85244	5.98855	6.12465
32.00	5.00566	5.14471	5.28375	5.42280	5.56185	5.70089	5.83994	5.97899	6.11803	6.25708
33.00	5.11823	5.26040	5.40257	5.54475	5.68692	5.82909	5.97127	6.11344	6.25561	6.39779



R	4.60	4.70	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50
LAMBDA	L	L	L	L	L	L	L	L	L	L
0.	4.60000	4.70000	4.80000	4.90000	5.00000	5.10000	5.20000	5.30000	5.40000	5.50000
1.00	4.60140	4.70143	4.80146	4.90149	5.00152	5.10155	5.20158	5.30161	5.40165	5.50168
2.00	4.60561	4.70573	4.80585	4.90598	5.00610	5.10622	5.20634	5.30646	5.40659	5.50671
3.00	4.61263	4.71291	4.81318	4.91346	5.01373	5.11401	5.21428	5.31456	5.41483	5.51511
4.00	4.62249	4.72298	4.82347	4.92396	5.02445	5.12494	5.22543	5.32592	5.42640	5.52689
5.00	4.63521	4.73598	4.83674	4.93751	5.03827	5.13904	5.23980	5.34057	5.44133	5.54210
6.00	4.65082	4.75192	4.85303	4.95413	5.05523	5.15634	5.25744	5.35855	5.45965	5.56076
7.00	4.66935	4.77086	4.87236	4.97387	5.07538	5.17689	5.27840	5.37990	5.48141	5.58292
8.00	4.69086	4.79283	4.89481	4.99678	5.09876	5.20073	5.30271	5.40468	5.50666	5.60863
9.00	4.71539	4.81790	4.92041	5.02292	5.12543	5.22794	5.33045	5.43295	5.53546	5.63797
10.00	4.74302	4.84613	4.94924	5.05235	5.15546	5.25857	5.36167	5.46478	5.56789	5.67100
11.00	4.77381	4.87758	4.98136	5.08514	5.18892	5.29270	5.39648	5.50025	5.60403	5.70781
12.00	4.80783	4.91235	5.01687	5.12138	5.22590	5.33042	5.43494	5.53946	5.64397	5.74849
13.00	4.84518	4.95051	5.05584	5.16117	5.26650	5.37183	5.47716	5.58249	5.68782	5.79315
14.00	4.88596	4.99217	5.09839	5.20461	5.31082	5.41704	5.52326	5.62947	5.73569	5.84190
15.00	4.93027	5.03744	5.14462	5.25180	5.35898	5.46616	5.57334	5.68052	5.78770	5.89488
16.00	4.97823	5.08645	5.19467	5.30289	5.41111	5.51934	5.62756	5.73578	5.84400	5.95223
17.00	5.02997	5.13931	5.24866	5.35801	5.46736	5.57670	5.68605	5.79540	5.90474	6.01409
18.00	5.08563	5.19619	5.30675	5.41731	5.52786	5.63842	5.74898	5.85954	5.97009	6.08065
19.00	5.14538	5.25724	5.36910	5.48095	5.59281	5.70466	5.81652	5.92838	6.04023	6.15209
20.00	5.20938	5.32263	5.43588	5.54912	5.66237	5.77562	5.88887	6.00211	6.11536	6.22861
21.00	5.27782	5.39255	5.50729	5.62202	5.73676	5.85149	5.96623	6.08096	6.19570	6.31043
22.00	5.35089	5.46721	5.58354	5.69986	5.81619	5.93251	6.04883	6.16516	6.28148	6.39780
23.00	5.42882	5.54684	5.66486	5.78288	5.90089	6.01891	6.13693	6.25495	6.37297	6.49098
24.00	5.51185	5.63167	5.75150	5.87132	5.99114	6.11097	6.23079	6.35061	6.47043	6.59026
25.00	5.60024	5.72198	5.84373	5.96547	6.08721	6.20896	6.33070	6.45245	6.57419	6.69594
26.00	5.69426	5.81805	5.94184	6.06563	6.18942	6.31320	6.43699	6.56078	6.68457	6.80836
27.00	5.79423	5.92020	6.04616	6.17212	6.29808	6.42404	6.55000	6.67597	6.80193	6.92789
28.00	5.90049	6.02876	6.15703	6.28530	6.41357	6.54185	6.67012	6.79839	6.92666	7.05493
29.00	6.01339	6.14411	6.27484	6.40557	6.53629	6.66702	6.79774	6.92847	7.05920	7.18992
30.00	6.13333	6.26667	6.40000	6.53333	6.66667	6.80000	6.93333	7.06667	7.20000	7.33333
31.00	6.26075	6.39686	6.53296	6.66906	6.80517	6.94127	7.07737	7.21348	7.34958	7.48568
32.00	6.39612	6.53517	6.67422	6.81326	6.95231	7.09135	7.23040	7.36945	7.50849	7.64754
33.00	6.53996	6.68213	6.82430	6.96648	7.10865	7.25082	7.39300	7.53517	7.67734	7.81952



R	5.60	5.70	5.80	5.90	6.00	6.10					
LAMBDA	L	L	L	L	L	L	L	L	L	L	L
0.	5.60000	5.70000	5.80000	5.90000	6.00000	6.10000					
1.00	5.60171	5.70174	5.80177	5.90180	6.00183	6.10186					
2.00	5.60683	5.70695	5.80707	5.90719	6.00732	6.10744					
3.00	5.61538	5.71566	5.81593	5.91620	6.01648	6.11675					
4.00	5.62738	5.72787	5.82836	5.92885	6.02934	6.12983					
5.00	5.64286	5.74363	5.84439	5.94516	6.04593	6.14669					
6.00	5.66186	5.76297	5.86407	5.96518	6.06628	6.16739					
7.00	5.68443	5.78593	5.88744	5.98895	6.09046	6.19196					
8.00	5.71061	5.81258	5.91456	6.01654	6.11851	6.22049					
9.00	5.74048	5.84299	5.94550	6.04801	6.15051	6.25302					
10.00	5.77411	5.87722	5.98033	6.08344	6.18655	6.28966					
11.00	5.81159	5.91537	6.01915	6.12292	6.22670	6.33048					
12.00	5.85301	5.95753	6.06205	6.16656	6.27108	6.37560					
13.00	5.89848	6.00381	6.10914	6.21447	6.31980	6.42513					
14.00	5.94812	6.05434	6.16055	6.26677	6.37299	6.47920					
15.00	6.00206	6.10924	6.21642	6.32360	6.43078	6.53796					
16.00	6.06045	6.16867	6.27689	6.38512	6.49334	6.60156					
17.00	6.12344	6.23279	6.34213	6.45148	6.56083	6.67017					
18.00	6.19121	6.30177	6.41232	6.52288	6.63344	6.74399					
19.00	6.26394	6.37580	6.48766	6.59951	6.71137	6.82323					
20.00	6.34186	6.45510	6.56835	6.68160	6.79485	6.90809					
21.00	6.42517	6.53990	6.65464	6.76937	6.88411	6.99884					
22.00	6.51413	6.63045	6.74678	6.86310	6.97942	7.09575					
23.00	6.60900	6.72702	6.84504	6.96306	7.08107	7.19909					
24.00	6.71008	6.82990	6.94973	7.06955	7.18937	7.30919					
25.00	6.81768	6.93942	7.06117	7.18291	7.30466	7.42640					
26.00	6.93215	7.05593	7.17972	7.30351	7.42730	7.55109					
27.00	7.05385	7.17981	7.30577	7.43174	7.55770	7.68366					
28.00	7.18320	7.31147	7.43975	7.56802	7.69629	7.82456					
29.00	7.32065	7.45137	7.58210	7.71283	7.84355	7.97428					
30.00	7.46667	7.60000	7.73333	7.86667	8.00000	8.13333					
31.00	7.62179	7.75789	7.89399	8.03010	8.16620	8.30230					
32.00	7.78659	7.92563	8.06468	8.20372	8.34277	8.48182					
33.00	7.96169	8.10386	8.24603	8.38821	8.53038	8.67255					



R	5.60	5.70	5.80	5.90	6.00	6.10				
LAMBDA	L	L	L	L	L	L	L	L	L	L
34.00	8.14779	8.29328	8.43878	8.58427	8.72977	8.87527				
35.00	8.34563	8.49466	8.64369	8.79271	8.94174	9.09077				
36.00	8.55604	8.70882	8.86161	9.01440	9.16718	9.31997				
37.00	8.77992	8.93671	9.09349	9.25028	9.40706	9.56385				
38.00	9.01828	9.17932	9.34036	9.50140	9.66244	9.82348				
39.00	9.27220	9.43778	9.60335	9.76893	9.93450	0.				
40.00	9.54289	9.71330	9.88371	0.	0.	0.				
41.00	9.83169	0.	0.	0.	0.	0.				
42.00	0.	0.	0.	0.	0.	0.				
43.00	0.	0.	0.	0.	0.	0.				
44.00	0.	0.	0.	0.	0.	0.				
45.00	0.	0.	0.	0.	0.	0.				
46.00	0.	0.	0.	0.	0.	0.				
47.00	0.	0.	0.	0.	0.	0.				
48.00	0.	0.	0.	0.	0.	0.				
49.00	0.	0.	0.	0.	0.	0.				
50.00	0.	0.	0.	0.	0.	0.				
51.00	0.	0.	0.	0.	0.	0.				
52.00	0.	0.	0.	0.	0.	0.				
53.00	0.	0.	0.	0.	0.	0.				
54.00	0.	0.	0.	0.	0.	0.				
55.00	0.	0.	0.	0.	0.	0.				
56.00	0.	0.	0.	0.	0.	0.				
57.00	0.	0.	0.	0.	0.	0.				
58.00	0.	0.	0.	0.	0.	0.				
59.00	0.	0.	0.	0.	0.	0.				
60.00	0.	0.	0.	0.	0.	0.				
61.00	0.	0.	0.	0.	0.	0.				
62.00	0.	0.	0.	0.	0.	0.				
63.00	0.	0.	0.	0.	0.	0.				
64.00	0.	0.	0.	0.	0.	0.				
65.00	0.	0.	0.	0.	0.	0.				
66.00	0.	0.	0.	0.	0.	0.				
67.00	0.	0.	0.	0.	0.	0.				

Table 14

Magnetic Field, B, as a Function of R and L

$$B(R,L) = \frac{M}{R^3} \left( 4 - 3 \frac{R}{L} \right)^{1/2}$$

R in Earth-Radii

B in Gauss

L in Earth-Radii

M = 0.311653 (Earth-Radii)<sup>3</sup> - Gauss



L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
R	B	B	B	B	B	B	B	B	B	B
1.00	0.45431	0.46034	0.46595	0.47118	0.47606	0.48063	0.48492	0.48896	0.49277	0.49636
1.10	0.32592	0.33114	0.33597	0.34047	0.34466	0.34858	0.35225	0.35570	0.35894	0.36200
1.20	0.23859	0.24319	0.24744	0.25139	0.25506	0.25848	0.26169	0.26469	0.26751	0.27017
1.30	0.17732	0.18146	0.18527	0.18880	0.19207	0.19511	0.19795	0.20061	0.20310	0.20545
1.40	0.13318	0.13698	0.14046	0.14366	0.14663	0.14937	0.15193	0.15432	0.15655	0.15865
1.50	0.10063	0.10418	0.10741	0.11037	0.11309	0.11561	0.11795	0.12013	0.12216	0.12406
1.60	0.	0.07947	0.08253	0.08531	0.08786	0.09020	0.09237	0.09437	0.09624	0.09799
1.70	0.	0.	0.06343	0.06610	0.06852	0.07073	0.07276	0.07464	0.07639	0.07801
1.80	0.	0.	0.	0.	0.	0.05556	0.05750	0.05928	0.06093	0.06245
1.90	0.	0.	0.	0.	0.	0.	0.04544	0.04715	0.04873	0.05018
2.00	0.	0.	0.	0.	0.	0.	0.	0.	0.03896	0.04036
2.10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
2.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
3.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.



L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
R	B	B	B	B	B	B	B	B	B	B
1.00	0.53333	0.53669	0.53980	0.54269	0.54539	0.54792	0.55028	0.55250	0.55459	0.55656
1.10	0.39330	0.39613	0.39874	0.40117	0.40344	0.40556	0.40754	0.40940	0.41115	0.41280
1.20	0.29714	0.29955	0.30179	0.30387	0.30581	0.30761	0.30931	0.31089	0.31238	0.31379
1.30	0.22905	0.23115	0.23309	0.23489	0.23657	0.23814	0.23960	0.24097	0.24226	0.24347
1.40	0.17958	0.18143	0.18314	0.18472	0.18619	0.18756	0.18885	0.19005	0.19118	0.19224
1.50	0.14284	0.14449	0.14600	0.14741	0.14872	0.14993	0.15107	0.15213	0.15313	0.15407
1.60	0.11503	0.11651	0.11787	0.11913	0.12030	0.12139	0.12241	0.12336	0.12425	0.12509
1.70	0.09363	0.09497	0.09620	0.09734	0.09840	0.09938	0.10030	0.10115	0.10196	0.10271
1.80	0.07691	0.07814	0.07926	0.08030	0.08126	0.08216	0.08299	0.08377	0.08449	0.08518
1.90	0.06368	0.06481	0.06584	0.06680	0.06768	0.06850	0.06926	0.06997	0.07053	0.07126
2.00	0.05309	0.05413	0.05509	0.05597	0.05679	0.05754	0.05824	0.05890	0.05951	0.06008
2.10	0.04452	0.04549	0.04639	0.04721	0.04796	0.04866	0.04931	0.04991	0.05048	0.05101
2.20	0.03751	0.03843	0.03927	0.04003	0.04074	0.04139	0.04200	0.04256	0.04308	0.04357
2.30	0.03174	0.03261	0.03340	0.03412	0.03478	0.03539	0.03596	0.03648	0.03697	0.03743
2.40	0.02695	0.02777	0.02852	0.02920	0.02982	0.03040	0.03093	0.03142	0.03188	0.03231
2.60	0.01954	0.02030	0.02098	0.02160	0.02216	0.02268	0.02316	0.02360	0.02401	0.02439
2.80	0.	0.01491	0.01555	0.01613	0.01665	0.01712	0.01756	0.01796	0.01833	0.01867
3.00	0.	0.	0.01154	0.01209	0.01258	0.01302	0.01343	0.01380	0.01414	0.01445
3.20	0.	0.	0.	0.	0.	0.00993	0.01032	0.01066	0.01098	0.01128
3.40	0.	0.	0.	0.	0.	0.	0.	0.00826	0.00856	0.00884
3.60	0.	0.	0.	0.	0.	0.	0.	0.	0.00668	0.00695
3.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
4.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.60	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.



L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
R	B	B	B	B	B	B	B	B	B	B
1.00	0.57254	0.57362	0.57466	0.57565	0.57661	0.57752	0.57840	0.57925	0.58007	0.58085
1.10	0.42616	0.42706	0.42792	0.42875	0.42955	0.43031	0.43104	0.43175	0.43243	0.43309
1.20	0.32514	0.32590	0.32664	0.32734	0.32801	0.32866	0.32928	0.32988	0.33046	0.33101
1.30	0.25326	0.25392	0.25455	0.25515	0.25573	0.25629	0.25682	0.25734	0.25783	0.25831
1.40	0.20078	0.20135	0.20190	0.20242	0.20293	0.20341	0.20388	0.20432	0.20475	0.20517
1.50	0.16160	0.16210	0.16258	0.16305	0.16349	0.16391	0.16432	0.16472	0.16509	0.16546
1.60	0.13179	0.13223	0.13266	0.13307	0.13347	0.13384	0.13421	0.13455	0.13489	0.13521
1.70	0.10872	0.10912	0.10950	0.10987	0.11022	0.11056	0.11088	0.11120	0.11149	0.11178
1.80	0.09061	0.09097	0.09132	0.09165	0.09196	0.09227	0.09256	0.09284	0.09311	0.09337
1.90	0.07620	0.07653	0.07684	0.07714	0.07743	0.07770	0.07797	0.07822	0.07846	0.07870
2.00	0.06460	0.06490	0.06519	0.06546	0.06572	0.06597	0.06621	0.06644	0.06667	0.06688
2.10	0.05517	0.05544	0.05570	0.05595	0.05619	0.05642	0.05665	0.05686	0.05706	0.05726
2.20	0.04742	0.04767	0.04791	0.04815	0.04837	0.04858	0.04878	0.04898	0.04916	0.04934
2.30	0.04100	0.04124	0.04146	0.04167	0.04188	0.04207	0.04226	0.04244	0.04261	0.04278
2.40	0.03565	0.03586	0.03607	0.03627	0.03646	0.03664	0.03681	0.03698	0.03714	0.03730
2.60	0.02733	0.02752	0.02770	0.02787	0.02804	0.02819	0.02835	0.02849	0.02863	0.02876
2.80	0.02130	0.02146	0.02162	0.02178	0.02192	0.02206	0.02220	0.02232	0.02245	0.02257
3.00	0.01683	0.01698	0.01712	0.01726	0.01739	0.01751	0.01763	0.01775	0.01786	0.01796
3.20	0.01345	0.01359	0.01372	0.01384	0.01396	0.01407	0.01418	0.01428	0.01438	0.01447
3.40	0.01086	0.01098	0.01110	0.01121	0.01132	0.01142	0.01152	0.01161	0.01170	0.01179
3.60	0.00884	0.00895	0.00906	0.00916	0.00926	0.00936	0.00945	0.00953	0.00961	0.00969
3.80	0.00724	0.00735	0.00745	0.00754	0.00764	0.00772	0.00781	0.00788	0.00796	0.00803
4.00	0.00596	0.00606	0.00616	0.00625	0.00633	0.00642	0.00649	0.00657	0.00664	0.00670
4.20	0.00493	0.00503	0.00512	0.00520	0.00528	0.00536	0.00543	0.00550	0.00556	0.00563
4.40	0.00409	0.00418	0.00427	0.00435	0.00442	0.00449	0.00456	0.00463	0.00469	0.00475
4.60	0.00340	0.00348	0.00357	0.00364	0.00371	0.00378	0.00385	0.00391	0.00397	0.00402
4.80	0.00282	0.00290	0.00298	0.00306	0.00313	0.00319	0.00325	0.00331	0.00337	0.00342
5.00	0.	0.	0.00249	0.00257	0.00263	0.00270	0.00276	0.00281	0.00287	0.00292
5.20	0.	0.	0.	0.	0.00222	0.00228	0.00234	0.00239	0.00244	0.00249
5.40	0.	0.	0.	0.	0.	0.	0.	0.00203	0.00208	0.00213
5.60	0.	0.	0.	0.	0.	0.	0.	0.	0.00177	0.00182
5.80	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
6.20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.



L	5.80	5.90	6.00	6.10	6.20	6.30				
R	B	B	B	B	B	B	B	B	B	B
1.00	0.58161	0.58234	0.58305	0.58373	0.58439	0.58503				
1.10	0.43372	0.43433	0.43491	0.43548	0.43603	0.43656				
1.20	0.33154	0.33206	0.33256	0.33304	0.33350	0.33395				
1.30	0.25877	0.25921	0.25964	0.26005	0.26045	0.26083				
1.40	0.20557	0.20595	0.20632	0.20668	0.20703	0.20736				
1.50	0.16581	0.16615	0.16647	0.16679	0.16709	0.16738				
1.60	0.13552	0.13582	0.13611	0.13639	0.13666	0.13692				
1.70	0.11206	0.11233	0.11258	0.11283	0.11307	0.11331				
1.80	0.09362	0.09386	0.09409	0.09431	0.09453	0.09474				
1.90	0.07893	0.07914	0.07935	0.07955	0.07975	0.07994				
2.00	0.06709	0.06728	0.06747	0.06766	0.06784	0.06801				
2.10	0.05744	0.05762	0.05780	0.05797	0.05813	0.05829				
2.20	0.04952	0.04968	0.04984	0.05000	0.05015	0.05029				
2.30	0.04294	0.04309	0.04324	0.04339	0.04352	0.04366				
2.40	0.03744	0.03759	0.03772	0.03786	0.03798	0.03811				
2.60	0.02889	0.02902	0.02914	0.02925	0.02936	0.02947				
2.80	0.02268	0.02279	0.02289	0.02299	0.02309	0.02318				
3.00	0.01806	0.01816	0.01825	0.01834	0.01843	0.01851				
3.20	0.01456	0.01465	0.01473	0.01481	0.01489	0.01497				
3.40	0.01187	0.01195	0.01203	0.01210	0.01217	0.01224				
3.60	0.00977	0.00984	0.00991	0.00997	0.01004	0.01010				
3.80	0.00810	0.00817	0.00823	0.00829	0.00835	0.00841				
4.00	0.00677	0.00683	0.00689	0.00694	0.00700	0.00705				
4.20	0.00569	0.00574	0.00580	0.00585	0.00590	0.00595				
4.40	0.00480	0.00486	0.00491	0.00496	0.00500	0.00505				
4.60	0.00408	0.00413	0.00417	0.00422	0.00426	0.00431				
4.80	0.00347	0.00352	0.00356	0.00361	0.00365	0.00369				
5.00	0.00296	0.00301	0.00305	0.00309	0.00313	0.00317				
5.20	0.00254	0.00258	0.00262	0.00266	0.00270	0.00274				
5.40	0.00217	0.00222	0.00226	0.00229	0.00233	0.00237				
5.60	0.00186	0.00191	0.00194	0.00198	0.00202	0.00205				
5.80	0.00160	0.00164	0.00168	0.00171	0.00175	0.00178				
6.00	0.	0.	0.00144	0.00148	0.00151	0.00154				
6.20	0.	0.	0.	0.	0.00131	0.00134				

Table 15

Magnetic Field, B, as a Function of  $\lambda$  and L

$$B(\lambda, L) = \frac{M}{L^3} \frac{(4 - 3 \cos^2 \lambda)^{1/2}}{\cos^6 \lambda}$$

$\lambda$  in Degrees

B in Gauss

L in Earth-Radii

M = 0.311653 (Earth-Radii)<sup>3</sup> - Gauss

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.23415	0.20492	0.18035	0.15957	0.14185	0.12667	0.11358	0.10223	0.09234	0.08369
1.00	0.23447	0.20520	0.18060	0.15979	0.14205	0.12684	0.11373	0.10237	0.09247	0.08381
2.00	0.23544	0.20604	0.18135	0.16044	0.14263	0.12736	0.11420	0.10279	0.09285	0.08415
3.00	0.23705	0.20746	0.18259	0.16154	0.14361	0.12824	0.11498	0.10349	0.09349	0.08473
4.00	0.23933	0.20945	0.18434	0.16310	0.14499	0.12947	0.11609	0.10449	0.09438	0.08554
5.00	0.24228	0.21203	0.18662	0.16511	0.14678	0.13107	0.11752	0.10578	0.09555	0.08660
6.00	0.24593	0.21523	0.18943	0.16759	0.14899	0.13304	0.11929	0.10737	0.09699	0.08790
7.00	0.25030	0.21905	0.19279	0.17057	0.15164	0.13540	0.12141	0.10928	0.09871	0.08946
8.00	0.25541	0.22352	0.19673	0.17406	0.15474	0.13817	0.12389	0.11151	0.10073	0.09129
9.00	0.26131	0.22869	0.20128	0.17808	0.15831	0.14136	0.12675	0.11409	0.10305	0.09340
10.00	0.26803	0.23457	0.20645	0.18266	0.16238	0.14500	0.13001	0.11702	0.10570	0.09580
11.00	0.27563	0.24122	0.21230	0.18783	0.16698	0.14911	0.13370	0.12034	0.10870	0.09852
12.00	0.28415	0.24867	0.21887	0.19364	0.17214	0.15372	0.13783	0.12406	0.11206	0.10156
13.00	0.29366	0.25699	0.22619	0.20012	0.17790	0.15886	0.14244	0.12821	0.11581	0.10496
14.00	0.30422	0.26624	0.23433	0.20732	0.18431	0.16458	0.14757	0.13282	0.11998	0.10874
15.00	0.31593	0.27649	0.24335	0.21530	0.19140	0.17091	0.15325	0.13793	0.12459	0.11292
16.00	0.32887	0.28782	0.25332	0.22412	0.19924	0.17791	0.15952	0.14358	0.12970	0.11755
17.00	0.34315	0.30031	0.26431	0.23385	0.20787	0.18564	0.16645	0.14982	0.13533	0.12265
18.00	0.35889	0.31408	0.27643	0.24457	0.21742	0.19415	0.17408	0.15669	0.14153	0.12827
19.00	0.37621	0.32924	0.28978	0.25638	0.22792	0.20352	0.18248	0.16425	0.14837	0.13447
20.00	0.39527	0.34592	0.30446	0.26937	0.23947	0.21383	0.19173	0.17257	0.15588	0.14128
21.00	0.41625	0.36428	0.32062	0.28366	0.25217	0.22518	0.20190	0.18173	0.16416	0.14878
22.00	0.43933	0.38448	0.33840	0.29939	0.26616	0.23767	0.21310	0.19181	0.17326	0.15703
23.00	0.46475	0.40673	0.35797	0.31671	0.28156	0.25142	0.22543	0.20290	0.18328	0.16611
24.00	0.49275	0.43123	0.37954	0.33579	0.29852	0.26656	0.23901	0.21513	0.19432	0.17612
25.00	0.52361	0.45824	0.40331	0.35683	0.31722	0.28326	0.25398	0.22860	0.20650	0.18715
26.00	0.55767	0.48805	0.42955	0.38004	0.33785	0.30169	0.27050	0.24347	0.21993	0.19933
27.00	0.59531	0.52098	0.45854	0.40568	0.36065	0.32205	0.28876	0.25990	0.23477	0.21278
28.00	0.	0.55742	0.49060	0.43405	0.38587	0.34457	0.30895	0.27808	0.25119	0.22766
29.00	0.	0.59778	0.52613	0.46548	0.41381	0.36952	0.33132	0.29821	0.26938	0.24414
30.00	0.	0.	0.56554	0.50035	0.44481	0.39720	0.35614	0.32055	0.28956	0.26243
31.00	0.	0.	0.60934	0.53911	0.47927	0.42796	0.38373	0.34538	0.31198	0.28276
32.00	0.	0.	0.	0.58226	0.51763	0.46222	0.41444	0.37303	0.33695	0.30539
33.00	0.	0.	0.	0.	0.56042	0.50043	0.44870	0.40387	0.36481	0.33063

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
LAMBDA	B	B	B	B	B	B	B	B	B	B
34.00	0.	0.	0.	0.	0.60825	0.54314	0.48700	0.43834	0.39595	0.35885
35.00	0.	0.	0.	0.	0.	0.59099	0.52990	0.47695	0.43083	0.39047
36.00	0.	0.	0.	0.	0.	0.	0.57807	0.52031	0.46999	0.42596
37.00	0.	0.	0.	0.	0.	0.	0.	0.56910	0.51407	0.46591
38.00	0.	0.	0.	0.	0.	0.	0.	0.62415	0.56379	0.51097
39.00	0.	0.	0.	0.	0.	0.	0.	0.	0.62004	0.56195
40.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.61977
41.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
43.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
44.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
45.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
46.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
47.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
48.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
49.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
51.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
52.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
53.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
54.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
55.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
56.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
57.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
58.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
59.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
60.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
61.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
62.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
63.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
64.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
65.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
66.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
67.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.07609	0.06938	0.06343	0.05815	0.05344	0.04922	0.04544	0.04203	0.03896	0.03618
1.00	0.07619	0.06947	0.06352	0.05823	0.05351	0.04929	0.04550	0.04209	0.03901	0.03622
2.00	0.07651	0.06976	0.06378	0.05847	0.05373	0.04949	0.04569	0.04226	0.03917	0.03637
3.00	0.07703	0.07024	0.06422	0.05887	0.05410	0.04983	0.04600	0.04255	0.03944	0.03662
4.00	0.07777	0.07091	0.06484	0.05944	0.05462	0.05031	0.04644	0.04296	0.03982	0.03698
5.00	0.07873	0.07179	0.06564	0.06017	0.05529	0.05093	0.04702	0.04349	0.04031	0.03743
6.00	0.07992	0.07287	0.06663	0.06108	0.05613	0.05170	0.04772	0.04415	0.04092	0.03800
7.00	0.08133	0.07416	0.06781	0.06216	0.05712	0.05262	0.04857	0.04493	0.04154	0.03867
8.00	0.08300	0.07568	0.06919	0.06343	0.05829	0.05369	0.04956	0.04585	0.04249	0.03946
9.00	0.08491	0.07743	0.07079	0.06490	0.05964	0.05493	0.05071	0.04691	0.04348	0.04037
10.00	0.08710	0.07942	0.07261	0.06657	0.06117	0.05634	0.05201	0.04811	0.04459	0.04141
11.00	0.08957	0.08167	0.07467	0.06845	0.06290	0.05794	0.05349	0.04948	0.04586	0.04258
12.00	0.09233	0.08419	0.07698	0.07057	0.06485	0.05973	0.05514	0.05101	0.04728	0.04390
13.00	0.09542	0.08701	0.07956	0.07293	0.06702	0.06173	0.05698	0.05271	0.04886	0.04537
14.00	0.09886	0.09014	0.08242	0.07555	0.06943	0.06395	0.05904	0.05461	0.05062	0.04700
15.00	0.10266	0.09361	0.08559	0.07846	0.07210	0.06641	0.06131	0.05671	0.05256	0.04881
16.00	0.10687	0.09744	0.08910	0.08168	0.07506	0.06913	0.06382	0.05903	0.05472	0.05081
17.00	0.11151	0.10167	0.09296	0.08522	0.07832	0.07214	0.06659	0.06160	0.05709	0.05302
18.00	0.11662	0.10634	0.09723	0.08913	0.08191	0.07544	0.06964	0.06442	0.05971	0.05545
19.00	0.12225	0.11147	0.10192	0.09343	0.08586	0.07908	0.07300	0.06753	0.06259	0.05812
20.00	0.12844	0.11712	0.10708	0.09817	0.09021	0.08309	0.07670	0.07095	0.06576	0.06107
21.00	0.13526	0.12333	0.11277	0.10338	0.09500	0.08750	0.08077	0.07472	0.06925	0.06431
22.00	0.14276	0.13017	0.11902	0.10911	0.10027	0.09235	0.08525	0.07886	0.07309	0.06788
23.00	0.15102	0.13770	0.12591	0.11542	0.10607	0.09770	0.09019	0.08342	0.07732	0.07180
24.00	0.16012	0.14600	0.13349	0.12237	0.11246	0.10358	0.09562	0.08845	0.08198	0.07613
25.00	0.17015	0.15514	0.14185	0.13004	0.11950	0.11007	0.10161	0.09399	0.08712	0.08090
26.00	0.18122	0.16524	0.15108	0.13850	0.12727	0.11723	0.10822	0.10010	0.09278	0.08616
27.00	0.19345	0.17639	0.16128	0.14784	0.13586	0.12514	0.11552	0.10686	0.09904	0.09197
28.00	0.20697	0.18872	0.17255	0.15818	0.14536	0.13389	0.12360	0.11433	0.10597	0.09840
29.00	0.22196	0.20239	0.18505	0.16964	0.15589	0.14359	0.13255	0.12261	0.11364	0.10553
30.00	0.23859	0.21755	0.19891	0.18234	0.16757	0.15434	0.14248	0.13180	0.12216	0.11343
31.00	0.25707	0.23440	0.21432	0.19647	0.18055	0.16630	0.15351	0.14200	0.13162	0.12222
32.00	0.27764	0.25316	0.23147	0.21219	0.19500	0.17961	0.16580	0.15337	0.14215	0.13200
33.00	0.30060	0.27409	0.25061	0.22974	0.21112	0.19446	0.17951	0.16605	0.15390	0.14292



L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.03365	0.03136	0.02927	0.02736	0.02561	0.02401	0.02254	0.01995	0.01773	0.01583
1.00	0.03370	0.03140	0.02931	0.02740	0.02565	0.02405	0.02258	0.01997	0.01776	0.01586
2.00	0.03384	0.03153	0.02943	0.02751	0.02576	0.02415	0.02267	0.02006	0.01783	0.01592
3.00	0.03407	0.03175	0.02963	0.02770	0.02593	0.02431	0.02282	0.02019	0.01795	0.01603
4.00	0.03440	0.03205	0.02992	0.02797	0.02618	0.02455	0.02304	0.02039	0.01812	0.01618
5.00	0.03482	0.03245	0.03029	0.02831	0.02650	0.02485	0.02333	0.02064	0.01835	0.01638
6.00	0.03535	0.03294	0.03074	0.02874	0.02690	0.02522	0.02368	0.02095	0.01862	0.01663
7.00	0.03597	0.03352	0.03129	0.02925	0.02738	0.02567	0.02410	0.02132	0.01895	0.01693
8.00	0.03671	0.03421	0.03193	0.02985	0.02794	0.02619	0.02459	0.02176	0.01934	0.01727
9.00	0.03756	0.03500	0.03266	0.03053	0.02859	0.02680	0.02516	0.02226	0.01979	0.01767
10.00	0.03852	0.03590	0.03350	0.03132	0.02932	0.02749	0.02581	0.02283	0.02030	0.01812
11.00	0.03961	0.03691	0.03445	0.03221	0.03015	0.02827	0.02654	0.02348	0.02087	0.01864
12.00	0.04084	0.03805	0.03552	0.03320	0.03108	0.02914	0.02736	0.02420	0.02152	0.01921
13.00	0.04220	0.03933	0.03671	0.03431	0.03212	0.03012	0.02827	0.02501	0.02224	0.01986
14.00	0.04372	0.04074	0.03803	0.03555	0.03328	0.03120	0.02929	0.02592	0.02304	0.02057
15.00	0.04541	0.04231	0.03949	0.03692	0.03456	0.03240	0.03042	0.02691	0.02393	0.02136
16.00	0.04727	0.04404	0.04111	0.03843	0.03598	0.03373	0.03166	0.02801	0.02491	0.02224
17.00	0.04932	0.04596	0.04289	0.04010	0.03754	0.03519	0.03304	0.02923	0.02599	0.02320
18.00	0.05158	0.04806	0.04486	0.04194	0.03926	0.03681	0.03455	0.03057	0.02718	0.02427
19.00	0.05407	0.05038	0.04703	0.04396	0.04115	0.03858	0.03622	0.03205	0.02849	0.02544
20.00	0.05681	0.05294	0.04941	0.04619	0.04324	0.04054	0.03806	0.03367	0.02993	0.02673
21.00	0.05982	0.05575	0.05203	0.04864	0.04554	0.04269	0.04008	0.03546	0.03152	0.02815
22.00	0.06314	0.05884	0.05492	0.05134	0.04806	0.04506	0.04230	0.03742	0.03327	0.02971
23.00	0.06679	0.06224	0.05809	0.05431	0.05084	0.04766	0.04475	0.03959	0.03519	0.03143
24.00	0.07082	0.06599	0.06159	0.05758	0.05390	0.05054	0.04744	0.04197	0.03731	0.03332
25.00	0.07525	0.07012	0.06545	0.06118	0.05728	0.05370	0.05041	0.04460	0.03965	0.03541
26.00	0.08015	0.07469	0.06971	0.06516	0.06101	0.05719	0.05369	0.04750	0.04223	0.03771
27.00	0.08556	0.07973	0.07441	0.06956	0.06512	0.06105	0.05732	0.05071	0.04508	0.04026
28.00	0.09154	0.08530	0.07962	0.07443	0.06968	0.06532	0.06133	0.05426	0.04823	0.04307
29.00	0.09817	0.09148	0.08538	0.07982	0.07472	0.07005	0.06577	0.05819	0.05173	0.04619
30.00	0.10552	0.09833	0.09178	0.08579	0.08032	0.07530	0.07069	0.06254	0.05560	0.04965
31.00	0.11370	0.10595	0.09889	0.09244	0.08654	0.08113	0.07617	0.06739	0.05991	0.05350
32.00	0.12280	0.11443	0.10680	0.09984	0.09347	0.08763	0.08226	0.07278	0.06470	0.05778
33.00	0.13295	0.12389	0.11563	0.10809	0.10119	0.09487	0.08907	0.07880	0.07005	0.06255





L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
LAMBDA	B	H	B	H	B	H	B	B	B	H
0.	0.01420	0.01278	0.01154	0.01046	0.00951	0.00867	0.00793	0.00727	0.00668	0.00615
1.00	0.01422	0.01280	0.01156	0.01048	0.00952	0.00868	0.00794	0.00728	0.00669	0.00616
2.00	0.01428	0.01285	0.01161	0.01052	0.00956	0.00872	0.00797	0.00731	0.00672	0.00619
3.00	0.01437	0.01294	0.01169	0.01059	0.00963	0.00878	0.00803	0.00736	0.00676	0.00623
4.00	0.01451	0.01306	0.01180	0.01069	0.00972	0.00886	0.00810	0.00743	0.00683	0.00629
5.00	0.01469	0.01322	0.01194	0.01082	0.00984	0.00897	0.00820	0.00752	0.00691	0.00637
6.00	0.01491	0.01342	0.01212	0.01099	0.00999	0.00911	0.00833	0.00763	0.00702	0.00646
7.00	0.01518	0.01366	0.01234	0.01118	0.01017	0.00927	0.00848	0.00777	0.00714	0.00658
8.00	0.01549	0.01394	0.01259	0.01141	0.01037	0.00946	0.00865	0.00793	0.00729	0.00671
9.00	0.01584	0.01426	0.01288	0.01167	0.01061	0.00968	0.00885	0.00811	0.00745	0.00687
10.00	0.01625	0.01463	0.01321	0.01198	0.01089	0.00993	0.00908	0.00832	0.00765	0.00704
11.00	0.01671	0.01504	0.01359	0.01231	0.01120	0.01021	0.00933	0.00856	0.00786	0.00724
12.00	0.01723	0.01551	0.01401	0.01270	0.01154	0.01052	0.00962	0.00882	0.00811	0.00747
13.00	0.01781	0.01603	0.01448	0.01312	0.01193	0.01088	0.00994	0.00912	0.00838	0.00772
14.00	0.01845	0.01660	0.01500	0.01359	0.01236	0.01127	0.01030	0.00944	0.00868	0.00799
15.00	0.01916	0.01724	0.01557	0.01412	0.01283	0.01170	0.01070	0.00981	0.00901	0.00830
16.00	0.01994	0.01795	0.01621	0.01469	0.01336	0.01218	0.01114	0.01021	0.00938	0.00864
17.00	0.02081	0.01873	0.01692	0.01533	0.01394	0.01271	0.01162	0.01065	0.00979	0.00902
18.00	0.02176	0.01959	0.01769	0.01603	0.01458	0.01329	0.01215	0.01114	0.01024	0.00943
19.00	0.02281	0.02053	0.01855	0.01681	0.01528	0.01393	0.01274	0.01168	0.01073	0.00989
20.00	0.02397	0.02157	0.01949	0.01766	0.01606	0.01464	0.01339	0.01227	0.01128	0.01039
21.00	0.02524	0.02272	0.02052	0.01860	0.01691	0.01542	0.01410	0.01292	0.01187	0.01094
22.00	0.02664	0.02398	0.02166	0.01963	0.01785	0.01627	0.01488	0.01364	0.01253	0.01154
23.00	0.02818	0.02536	0.02291	0.02076	0.01888	0.01721	0.01574	0.01443	0.01326	0.01221
24.00	0.02988	0.02689	0.02429	0.02201	0.02001	0.01825	0.01669	0.01530	0.01406	0.01295
25.00	0.03175	0.02858	0.02581	0.02339	0.02127	0.01939	0.01773	0.01625	0.01494	0.01376
26.00	0.03381	0.03043	0.02749	0.02492	0.02265	0.02065	0.01889	0.01731	0.01591	0.01465
27.00	0.03609	0.03249	0.02935	0.02660	0.02418	0.02205	0.02016	0.01848	0.01698	0.01564
28.00	0.03862	0.03476	0.03140	0.02846	0.02587	0.02359	0.02157	0.01977	0.01817	0.01674
29.00	0.04142	0.03728	0.03367	0.03052	0.02774	0.02530	0.02313	0.02120	0.01949	0.01795
30.00	0.04452	0.04007	0.03619	0.03280	0.02982	0.02719	0.02486	0.02279	0.02095	0.01929
31.00	0.04797	0.04317	0.03900	0.03534	0.03213	0.02930	0.02679	0.02456	0.02257	0.02079
32.00	0.05180	0.04663	0.04212	0.03817	0.03471	0.03164	0.02893	0.02652	0.02437	0.02245
33.00	0.05609	0.05048	0.04560	0.04133	0.03757	0.03426	0.03133	0.02872	0.02639	0.02431

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
LAMBDA	B	B	B	B	B	B	B	B	B	B
34.00	0.06087	0.05479	0.04949	0.04486	0.04078	0.03719	0.03400	0.03117	0.02864	0.02638
35.00	0.06624	0.05962	0.05385	0.04881	0.04437	0.04046	0.03700	0.03391	0.03117	0.02871
36.00	0.07226	0.06504	0.05875	0.05325	0.04841	0.04414	0.04036	0.03700	0.03400	0.03132
37.00	0.07903	0.07114	0.06426	0.05824	0.05295	0.04828	0.04414	0.04047	0.03719	0.03425
38.00	0.08668	0.07802	0.07047	0.06387	0.05807	0.05295	0.04841	0.04438	0.04078	0.03757
39.00	0.09533	0.08580	0.07750	0.07024	0.06386	0.05823	0.05324	0.04881	0.04485	0.04131
40.00	0.10514	0.09463	0.08548	0.07747	0.07043	0.06422	0.05872	0.05383	0.04947	0.04556
41.00	0.11629	0.10467	0.09455	0.08569	0.07791	0.07104	0.06495	0.05954	0.05472	0.05040
42.00	0.12902	0.11613	0.10490	0.09507	0.08643	0.07881	0.07206	0.06606	0.06071	0.05592
43.00	0.14359	0.12924	0.11674	0.10581	0.09619	0.08771	0.08020	0.07352	0.06756	0.06223
44.00	0.16031	0.14429	0.13034	0.11813	0.10740	0.09793	0.08954	0.08208	0.07543	0.06948
45.00	0.17958	0.16164	0.14600	0.13233	0.12030	0.10970	0.10030	0.09194	0.08449	0.07783
46.00	0.20186	0.18169	0.16412	0.14874	0.13523	0.12330	0.11274	0.10335	0.09497	0.08748
47.00	0.22770	0.20495	0.18513	0.16779	0.15254	0.13909	0.12718	0.11658	0.10714	0.09868
48.00	0.25782	0.23205	0.20961	0.18998	0.17272	0.15749	0.14400	0.13200	0.12130	0.11173
49.00	0.29304	0.26376	0.23825	0.21593	0.19631	0.17900	0.16367	0.15004	0.13788	0.12700
50.00	0.33441	0.30100	0.27187	0.24642	0.22403	0.20428	0.18678	0.17122	0.15734	0.14493
51.00	0.38323	0.34494	0.31158	0.28239	0.25674	0.23410	0.21404	0.19622	0.18031	0.16609
52.00	0.44111	0.39703	0.35864	0.32504	0.29551	0.26945	0.24637	0.22585	0.20755	0.19117
53.00	0.51006	0.45910	0.41470	0.37585	0.34170	0.31157	0.28488	0.26115	0.23999	0.22105
54.00	0.59264	0.53342	0.48184	0.43670	0.39702	0.36201	0.33100	0.30343	0.27884	0.25684
55.00	0.	0.62292	0.56268	0.50996	0.46363	0.42275	0.38653	0.35434	0.32562	0.29993
56.00	0.	0.	0.	0.59870	0.54431	0.49631	0.45380	0.41600	0.38229	0.35212
57.00	0.	0.	0.	0.	0.	0.58596	0.53576	0.49114	0.45133	0.41572
58.00	0.	0.	0.	0.	0.	0.	0.	0.58329	0.53602	0.49372
59.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.59005
60.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
61.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
62.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
63.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
64.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
65.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
66.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
67.00	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.00568	0.00525	0.00487	0.00452	0.00421	0.00392	0.00366	0.00342	0.00320	0.00300
1.00	0.00569	0.00526	0.00488	0.00453	0.00421	0.00393	0.00366	0.00342	0.00321	0.00301
2.00	0.00571	0.00528	0.00490	0.00455	0.00423	0.00394	0.00368	0.00344	0.00322	0.00302
3.00	0.00575	0.00532	0.00493	0.00458	0.00426	0.00397	0.00370	0.00346	0.00324	0.00304
4.00	0.00581	0.00537	0.00498	0.00462	0.00430	0.00401	0.00374	0.00350	0.00327	0.00307
5.00	0.00588	0.00544	0.00504	0.00468	0.00435	0.00406	0.00379	0.00354	0.00331	0.00311
6.00	0.00597	0.00552	0.00511	0.00475	0.00442	0.00412	0.00384	0.00359	0.00336	0.00315
7.00	0.00607	0.00562	0.00521	0.00483	0.00450	0.00419	0.00391	0.00366	0.00342	0.00321
8.00	0.00620	0.00573	0.00531	0.00493	0.00459	0.00428	0.00399	0.00373	0.00349	0.00327
9.00	0.00634	0.00586	0.00543	0.00505	0.00469	0.00437	0.00408	0.00382	0.00357	0.00335
10.00	0.00650	0.00601	0.00557	0.00518	0.00482	0.00449	0.00419	0.00391	0.00367	0.00344
11.00	0.00669	0.00618	0.00573	0.00532	0.00495	0.00461	0.00431	0.00403	0.00377	0.00353
12.00	0.00689	0.00638	0.00591	0.00549	0.00510	0.00476	0.00444	0.00415	0.00389	0.00364
13.00	0.00712	0.00659	0.00611	0.00567	0.00528	0.00492	0.00459	0.00429	0.00402	0.00376
14.00	0.00738	0.00683	0.00633	0.00588	0.00547	0.00509	0.00475	0.00444	0.00416	0.00390
15.00	0.00766	0.00709	0.00657	0.00610	0.00568	0.00529	0.00494	0.00461	0.00432	0.00405
16.00	0.00798	0.00738	0.00684	0.00635	0.00591	0.00551	0.00514	0.00480	0.00450	0.00422
17.00	0.00832	0.00770	0.00714	0.00663	0.00616	0.00574	0.00536	0.00501	0.00469	0.00440
18.00	0.00871	0.00805	0.00746	0.00693	0.00645	0.00601	0.00561	0.00524	0.00491	0.00460
19.00	0.00913	0.00844	0.00782	0.00727	0.00676	0.00630	0.00588	0.00550	0.00514	0.00482
20.00	0.00959	0.00887	0.00827	0.00763	0.00710	0.00662	0.00618	0.00577	0.00541	0.00507
21.00	0.01010	0.00934	0.00866	0.00804	0.00748	0.00697	0.00650	0.00608	0.00569	0.00534
22.00	0.01066	0.00986	0.00914	0.00848	0.00789	0.00735	0.00686	0.00642	0.00601	0.00563
23.00	0.01127	0.01043	0.00967	0.00898	0.00835	0.00778	0.00726	0.00679	0.00636	0.00596
24.00	0.01195	0.01106	0.01025	0.00952	0.00885	0.00825	0.00770	0.00720	0.00674	0.00632
25.00	0.01270	0.01175	0.01089	0.01011	0.00941	0.00877	0.00818	0.00765	0.00716	0.00671
26.00	0.01353	0.01251	0.01160	0.01077	0.01002	0.00934	0.00871	0.00815	0.00763	0.00715
27.00	0.01444	0.01336	0.01238	0.01150	0.01069	0.00997	0.00930	0.00870	0.00814	0.00763
28.00	0.01545	0.01429	0.01325	0.01230	0.01144	0.01066	0.00995	0.00930	0.00871	0.00817
29.00	0.01657	0.01533	0.01421	0.01319	0.01227	0.01143	0.01067	0.00998	0.00934	0.00876
30.00	0.01781	0.01647	0.01527	0.01418	0.01319	0.01229	0.01147	0.01072	0.01004	0.00941
31.00	0.01919	0.01775	0.01645	0.01528	0.01421	0.01324	0.01236	0.01155	0.01082	0.01014
32.00	0.02073	0.01917	0.01777	0.01650	0.01535	0.01430	0.01335	0.01248	0.01168	0.01095
33.00	0.02244	0.02076	0.01924	0.01786	0.01662	0.01549	0.01445	0.01351	0.01265	0.01186



L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.00282	0.00265	0.00249	0.00235	0.00222	0.00209	0.00198	0.00187	0.00177	0.00168
1.00	0.00282	0.00265	0.00250	0.00235	0.00222	0.00210	0.00198	0.00188	0.00178	0.00169
2.00	0.00283	0.00266	0.00251	0.00236	0.00223	0.00210	0.00199	0.00188	0.00178	0.00169
3.00	0.00285	0.00268	0.00252	0.00238	0.00224	0.00212	0.00200	0.00190	0.00180	0.00170
4.00	0.00288	0.00271	0.00255	0.00240	0.00227	0.00214	0.00202	0.00191	0.00181	0.00172
5.00	0.00292	0.00274	0.00258	0.00243	0.00229	0.00217	0.00205	0.00194	0.00184	0.00174
6.00	0.00296	0.00278	0.00262	0.00247	0.00233	0.00220	0.00208	0.00197	0.00186	0.00177
7.00	0.00301	0.00283	0.00267	0.00251	0.00237	0.00224	0.00212	0.00200	0.00190	0.00180
8.00	0.00307	0.00289	0.00272	0.00256	0.00242	0.00228	0.00216	0.00204	0.00194	0.00184
9.00	0.00314	0.00296	0.00278	0.00262	0.00247	0.00234	0.00221	0.00209	0.00198	0.00188
10.00	0.00323	0.00303	0.00285	0.00269	0.00254	0.00240	0.00227	0.00214	0.00203	0.00193
11.00	0.00332	0.00312	0.00293	0.00277	0.00261	0.00246	0.00233	0.00221	0.00209	0.00198
12.00	0.00342	0.00321	0.00303	0.00285	0.00269	0.00254	0.00240	0.00227	0.00215	0.00204
13.00	0.00353	0.00332	0.00313	0.00295	0.00278	0.00263	0.00248	0.00235	0.00223	0.00211
14.00	0.00366	0.00344	0.00324	0.00305	0.00288	0.00272	0.00257	0.00243	0.00231	0.00219
15.00	0.00380	0.00357	0.00336	0.00317	0.00299	0.00282	0.00267	0.00253	0.00239	0.00227
16.00	0.00396	0.00372	0.00350	0.00330	0.00311	0.00294	0.00278	0.00263	0.00249	0.00236
17.00	0.00413	0.00388	0.00365	0.00344	0.00325	0.00307	0.00290	0.00275	0.00260	0.00247
18.00	0.00432	0.00406	0.00382	0.00360	0.00340	0.00321	0.00303	0.00287	0.00272	0.00258
19.00	0.00453	0.00426	0.00401	0.00377	0.00356	0.00336	0.00318	0.00301	0.00285	0.00270
20.00	0.00476	0.00447	0.00421	0.00397	0.00374	0.00353	0.00334	0.00316	0.00300	0.00284
21.00	0.00501	0.00471	0.00443	0.00418	0.00394	0.00372	0.00352	0.00333	0.00315	0.00299
22.00	0.00529	0.00497	0.00468	0.00441	0.00416	0.00393	0.00371	0.00351	0.00333	0.00316
23.00	0.00559	0.00526	0.00495	0.00466	0.00440	0.00415	0.00393	0.00372	0.00352	0.00334
24.00	0.00593	0.00557	0.00525	0.00494	0.00466	0.00441	0.00417	0.00394	0.00373	0.00354
25.00	0.00630	0.00592	0.00558	0.00525	0.00496	0.00468	0.00443	0.00419	0.00397	0.00376
26.00	0.00671	0.00631	0.00594	0.00560	0.00528	0.00499	0.00471	0.00446	0.00423	0.00401
27.00	0.00716	0.00673	0.00634	0.00597	0.00564	0.00532	0.00503	0.00476	0.00451	0.00428
28.00	0.00767	0.00721	0.00678	0.00639	0.00603	0.00569	0.00538	0.00510	0.00483	0.00458
29.00	0.00822	0.00773	0.00727	0.00685	0.00647	0.00611	0.00577	0.00546	0.00518	0.00491
30.00	0.00884	0.00831	0.00782	0.00737	0.00695	0.00656	0.00621	0.00587	0.00556	0.00528
31.00	0.00952	0.00895	0.00842	0.00794	0.00749	0.00707	0.00669	0.00633	0.00600	0.00569
32.00	0.01028	0.00967	0.00910	0.00857	0.00809	0.00764	0.00722	0.00684	0.00648	0.00614
33.00	0.01113	0.01047	0.00985	0.00928	0.00876	0.00827	0.00782	0.00740	0.00701	0.00665



L	5.80	5.90	6.00	6.10	6.20	6.30				
LAMBDA	B	B	B	B	B	B	B	B	B	B
0.	0.00160	0.00152	0.00144	0.00137	0.00131	0.00125				
1.00	0.00160	0.00152	0.00144	0.00137	0.00131	0.00125				
2.00	0.00161	0.00153	0.00145	0.00138	0.00131	0.00125				
3.00	0.00162	0.00154	0.00146	0.00139	0.00132	0.00126				
4.00	0.00163	0.00155	0.00147	0.00140	0.00134	0.00127				
5.00	0.00165	0.00157	0.00149	0.00142	0.00135	0.00129				
6.00	0.00168	0.00159	0.00152	0.00144	0.00137	0.00131				
7.00	0.00171	0.00162	0.00154	0.00147	0.00140	0.00133				
8.00	0.00174	0.00166	0.00157	0.00150	0.00143	0.00136				
9.00	0.00178	0.00169	0.00161	0.00153	0.00146	0.00139				
10.00	0.00183	0.00174	0.00165	0.00157	0.00150	0.00143				
11.00	0.00188	0.00179	0.00170	0.00162	0.00154	0.00147				
12.00	0.00194	0.00184	0.00175	0.00167	0.00159	0.00151				
13.00	0.00200	0.00190	0.00181	0.00172	0.00164	0.00156				
14.00	0.00208	0.00197	0.00187	0.00178	0.00170	0.00162				
15.00	0.00216	0.00205	0.00195	0.00185	0.00176	0.00168				
16.00	0.00224	0.00213	0.00203	0.00193	0.00184	0.00175				
17.00	0.00234	0.00222	0.00211	0.00201	0.00192	0.00183				
18.00	0.00245	0.00233	0.00221	0.00210	0.00200	0.00191				
19.00	0.00257	0.00244	0.00232	0.00221	0.00210	0.00200				
20.00	0.00270	0.00256	0.00244	0.00232	0.00221	0.00210				
21.00	0.00284	0.00270	0.00256	0.00244	0.00232	0.00222				
22.00	0.00300	0.00285	0.00271	0.00258	0.00245	0.00234				
23.00	0.00317	0.00301	0.00286	0.00273	0.00260	0.00247				
24.00	0.00336	0.00319	0.00304	0.00289	0.00275	0.00262				
25.00	0.00357	0.00339	0.00323	0.00307	0.00292	0.00279				
26.00	0.00380	0.00361	0.00344	0.00327	0.00311	0.00297				
27.00	0.00406	0.00386	0.00367	0.00349	0.00332	0.00317				
28.00	0.00434	0.00413	0.00392	0.00373	0.00356	0.00339				
29.00	0.00466	0.00443	0.00421	0.00401	0.00381	0.00364				
30.00	0.00501	0.00476	0.00452	0.00431	0.00410	0.00391				
31.00	0.00540	0.00513	0.00487	0.00464	0.00442	0.00421				
32.00	0.00583	0.00554	0.00526	0.00501	0.00477	0.00455				
33.00	0.00631	0.00599	0.00570	0.00542	0.00517	0.00492				

L	5.80	5.90	6.00	6.10	6.20	6.30				
LAMBDA	B	B	B	B	B	B	P	H	E	B
34.00	0.00685	0.00651	0.00619	0.00589	0.00561	0.00534				
35.00	0.00745	0.00708	0.00673	0.00641	0.00610	0.00582				
36.00	0.00813	0.00772	0.00734	0.00699	0.00666	0.00634				
37.00	0.00889	0.00845	0.00803	0.00764	0.00728	0.00694				
38.00	0.00975	0.00926	0.00881	0.00838	0.00798	0.00761				
39.00	0.01073	0.01019	0.00969	0.00922	0.00879	0.00837				
40.00	0.01183	0.01124	0.01068	0.01017	0.00969	0.00923				
41.00	0.01308	0.01243	0.01182	0.01125	0.01071	0.01021				
42.00	0.01452	0.01379	0.01311	0.01248	0.01188	0.01133				
43.00	0.01616	0.01535	0.01459	0.01389	0.01323	0.01261				
44.00	0.01804	0.01714	0.01629	0.01550	0.01477	0.01407				
45.00	0.02020	0.01919	0.01825	0.01737	0.01654	0.01577				
46.00	0.02271	0.02158	0.02051	0.01952	0.01859	0.01772				
47.00	0.02562	0.02434	0.02314	0.02202	0.02097	0.01999				
48.00	0.02901	0.02756	0.02620	0.02493	0.02375	0.02263				
49.00	0.03297	0.03132	0.02978	0.02834	0.02699	0.02573				
50.00	0.03762	0.03574	0.03399	0.03234	0.03080	0.02936				
51.00	0.04312	0.04096	0.03895	0.03706	0.03530	0.03364				
52.00	0.04963	0.04715	0.04483	0.04266	0.04063	0.03873				
53.00	0.05739	0.05452	0.05184	0.04933	0.04698	0.04478				
54.00	0.06668	0.06334	0.06023	0.05732	0.05459	0.05203				
55.00	0.07786	0.07397	0.07033	0.06693	0.06375	0.06076				
56.00	0.09141	0.08684	0.08257	0.07858	0.07484	0.07133				
57.00	0.10793	0.10253	0.09749	0.09277	0.08836	0.08421				
58.00	0.12818	0.12177	0.11578	0.11018	0.10493	0.10002				
59.00	0.15318	0.14553	0.13837	0.13168	0.12541	0.11953				
60.00	0.18429	0.17508	0.16647	0.15842	0.15086	0.14380				
61.00	0.22330	0.21213	0.20170	0.19194	0.18281	0.17424				
62.00	0.27260	0.25897	0.24624	0.23433	0.22317	0.21271				
63.00	0.33548	0.31871	0.30304	0.28838	0.27465	0.26178				
64.00	0.41646	0.39564	0.37618	0.35798	0.34094	0.32496				
65.00	0.52179	0.49571	0.47133	0.44853	0.42718	0.40716				
66.00	0.	0.62733	0.59649	0.56763	0.54060	0.51527				
67.00	0.	0.	0.	0.	0.	0.				





Table 16

Magnetic Field, B, as a Function of  $B/B_0$  and L

$$B(B/B_0, L) = \frac{BL^3}{B_0 M}$$

$B/B_0$  No Units

B in Gauss

L in Earth-Radii

$M = 0.311653 \text{ (Earth-Radii)}^3 - \text{Gauss}$

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B/B0	B	B	B	B	B	B	B	B	B	B
1.00	0.23415	0.20492	0.18035	0.15957	0.14185	0.12667	0.11358	0.10223	0.09234	0.08369
1.10	0.25756	0.22541	0.19839	0.17552	0.15604	0.13934	0.12493	0.11245	0.10158	0.09206
1.20	0.28098	0.24590	0.21643	0.19148	0.17022	0.15200	0.13629	0.12267	0.11081	0.10043
1.30	0.30439	0.26639	0.23446	0.20744	0.18441	0.16467	0.14765	0.13290	0.12004	0.10880
1.40	0.32731	0.28688	0.25250	0.22339	0.19860	0.17734	0.15901	0.14312	0.12928	0.11717
1.50	0.35122	0.30738	0.27053	0.23935	0.21278	0.19000	0.17036	0.15334	0.13851	0.12554
1.60	0.37464	0.32787	0.28857	0.25531	0.22697	0.20267	0.18172	0.16356	0.14775	0.13390
1.70	0.39805	0.34836	0.30660	0.27126	0.24115	0.21534	0.19308	0.17379	0.15698	0.14227
1.80	0.42147	0.36885	0.32464	0.28722	0.25534	0.22800	0.20444	0.18401	0.16621	0.15064
1.90	0.44488	0.38934	0.34267	0.30318	0.26952	0.24067	0.21579	0.19423	0.17545	0.15901
2.00	0.46830	0.40983	0.36071	0.31913	0.28371	0.25334	0.22715	0.20445	0.18468	0.16738
2.10	0.49171	0.43033	0.37874	0.33509	0.29789	0.26600	0.23851	0.21468	0.19392	0.17575
2.20	0.51513	0.45082	0.39678	0.35105	0.31208	0.27867	0.24987	0.22490	0.20315	0.18412
2.30	0.53854	0.47131	0.41482	0.36700	0.32626	0.29134	0.26123	0.23512	0.21239	0.19249
2.40	0.56196	0.49180	0.43285	0.38296	0.34045	0.30401	0.27258	0.24535	0.22162	0.20086
2.50	0.58537	0.51229	0.45089	0.39892	0.35463	0.31667	0.28394	0.25557	0.23085	0.20923
2.60	0.60879	0.53278	0.46892	0.41487	0.36882	0.32934	0.29530	0.26579	0.24009	0.21760
2.70	0.63220	0.55328	0.48696	0.43083	0.38301	0.34201	0.30666	0.27601	0.24932	0.22596
2.80	0.65562	0.57377	0.50499	0.44679	0.39719	0.35467	0.31801	0.28624	0.25856	0.23433
2.90	0.67903	0.59426	0.52303	0.46274	0.41138	0.36734	0.32937	0.29646	0.26779	0.24270
3.00	0.70245	0.61475	0.54106	0.47870	0.42556	0.38001	0.34073	0.30668	0.27702	0.25107
3.10	0.72586	0.63524	0.55910	0.49466	0.43975	0.39267	0.35209	0.31690	0.28626	0.25944
3.20	0.74928	0.65573	0.57714	0.51061	0.45393	0.40534	0.36344	0.32713	0.29549	0.26781
3.30	0.77269	0.67623	0.59517	0.52657	0.46812	0.41801	0.37480	0.33735	0.30473	0.27618
3.40	0.79611	0.69672	0.61321	0.54253	0.48230	0.43067	0.38616	0.34757	0.31396	0.28455
3.50	0.81952	0.71721	0.63124	0.55848	0.49649	0.44334	0.39752	0.35780	0.32320	0.29292
3.60	0.84294	0.73770	0.64928	0.57444	0.51067	0.45601	0.40887	0.36802	0.33243	0.30129
3.70	0.86635	0.75819	0.66731	0.59040	0.52486	0.46867	0.42023	0.37824	0.34166	0.30965
3.80	0.88977	0.77868	0.68535	0.60635	0.53904	0.48134	0.43159	0.38846	0.35090	0.31802
3.90	0.91318	0.79918	0.70338	0.62231	0.55323	0.49401	0.44295	0.39869	0.36013	0.32639
4.00	0.93660	0.81967	0.72142	0.63827	0.56742	0.50668	0.45430	0.40891	0.36937	0.33476
4.10	0.96001	0.84016	0.73945	0.65422	0.58160	0.51934	0.46566	0.41913	0.37860	0.34313
4.20	0.98343	0.86065	0.75749	0.67018	0.59579	0.53201	0.47702	0.42936	0.38783	0.35150
4.30	1.00684	0.88114	0.77553	0.68614	0.60997	0.54468	0.48838	0.43958	0.39707	0.35987

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B/BO	B	B	B	B	B	B	B	B	B	B
4.40	1.03026	0.90163	0.79356	0.70209	0.62416	0.55734	0.49974	0.44980	0.40630	0.36824
4.50	1.05367	0.92213	0.81160	0.71805	0.63834	0.57001	0.51109	0.46002	0.41554	0.37661
4.60	1.07709	0.94262	0.82963	0.73401	0.65253	0.58268	0.52245	0.47025	0.42477	0.38498
4.70	1.10050	0.96311	0.84767	0.74996	0.66671	0.59534	0.53381	0.48047	0.43401	0.39335
4.80	1.12392	0.98360	0.86570	0.76592	0.68090	0.60801	0.54517	0.49069	0.44324	0.40171
4.90	1.14733	1.00409	0.88374	0.78188	0.69508	0.62068	0.55652	0.50091	0.45247	0.41008
5.00	1.17075	1.02458	0.90177	0.79783	0.70927	0.63334	0.56788	0.51114	0.46171	0.41845
5.20	1.21758	1.06557	0.93784	0.82974	0.73764	0.65666	0.59060	0.53158	0.48018	0.43519
5.40	1.26441	1.10655	0.97392	0.86166	0.76601	0.68401	0.61331	0.55203	0.49864	0.45193
5.60	1.31124	1.14753	1.00999	0.89357	0.79438	0.70935	0.63603	0.57247	0.51711	0.46867
5.80	1.35807	1.18852	1.04606	0.92548	0.82275	0.73468	0.65974	0.59292	0.53558	0.48540
6.00	1.40490	1.22950	1.08213	0.95749	0.85112	0.76001	0.68146	0.61336	0.55405	0.50214
6.20	1.45173	1.27048	1.11820	0.98931	0.87949	0.78535	0.70417	0.63381	0.57252	0.51888
6.40	1.49856	1.31147	1.15427	1.02122	0.90786	0.81068	0.72689	0.65426	0.59099	0.53562
6.60	1.54539	1.35245	1.19034	1.05314	0.93624	0.83601	0.74960	0.67470	0.60945	0.55236
6.80	1.59222	1.39343	1.22641	1.08505	0.96461	0.86135	0.77232	0.69515	0.62792	0.56910
7.00	1.63905	1.43442	1.26248	1.11696	0.99298	0.88668	0.79503	0.71559	0.64639	0.58583
7.20	1.68588	1.47540	1.29855	1.14888	1.02135	0.91202	0.81775	0.73604	0.66486	0.60257
7.40	1.73271	1.51639	1.33463	1.18079	1.04972	0.93735	0.84046	0.75648	0.68333	0.61931
7.60	1.77954	1.55737	1.37070	1.21270	1.07809	0.96268	0.86318	0.77693	0.70180	0.63605
7.80	1.82637	1.59835	1.40677	1.24462	1.10646	0.98802	0.88589	0.79737	0.72026	0.65279
8.00	1.87320	1.63934	1.44284	1.27653	1.13483	1.01335	0.90861	0.81782	0.73873	0.66952
8.20	1.92003	1.68032	1.47891	1.30844	1.16320	1.03869	0.93132	0.83826	0.75720	0.68626
8.40	1.96686	1.72130	1.51498	1.34036	1.19157	1.06402	0.95404	0.85871	0.77567	0.70300
8.60	2.01369	1.76229	1.55105	1.37227	1.21994	1.08935	0.97676	0.87916	0.79414	0.71974
8.80	2.06052	1.80327	1.58712	1.40418	1.24831	1.11469	0.99947	0.89960	0.81261	0.73648
9.00	2.10735	1.84425	1.62319	1.43610	1.27669	1.14002	1.02219	0.92005	0.83107	0.75321
9.20	2.15418	1.88524	1.65926	1.46801	1.30506	1.16535	1.04490	0.94049	0.84954	0.76995
9.40	2.20101	1.92622	1.69533	1.49992	1.33343	1.19069	1.06762	0.96094	0.86801	0.78669
9.60	2.24784	1.96720	1.73141	1.53184	1.36180	1.21602	1.09033	0.98138	0.88648	0.80343
9.80	2.29467	2.00819	1.76748	1.56375	1.39017	1.24136	1.11305	1.00183	0.90495	0.82017
10.00	2.34150	2.04917	1.80355	1.59566	1.41854	1.26669	1.13576	1.02227	0.92342	0.83691
10.20	2.38833	2.09015	1.83962	1.62758	1.44691	1.29202	1.15848	1.04272	0.94188	0.85364
10.40	2.43515	2.13114	1.87569	1.65949	1.47528	1.31736	1.18119	1.06316	0.96035	0.87038

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B/80	B	B	B	B	B	B	B	B	B	B
10.60	2.48198	2.17212	1.91176	1.69140	1.50365	1.34269	1.20391	1.08361	0.97882	0.88712
10.80	2.52881	2.21310	1.94783	1.72332	1.53202	1.36802	1.22662	1.10406	0.99729	0.90386
11.00	2.57564	2.25409	1.98190	1.75523	1.56039	1.39336	1.24934	1.12450	1.01576	0.92060
11.20	2.62247	2.29507	2.01997	1.78714	1.58876	1.41869	1.27205	1.14495	1.03423	0.93733
11.40	2.66930	2.33605	2.05604	1.81906	1.61713	1.44403	1.29477	1.16539	1.05269	0.95407
11.60	2.71613	2.37704	2.09212	1.85097	1.64551	1.46936	1.31748	1.18584	1.07116	0.97081
11.80	2.76296	2.41802	2.12819	1.88288	1.67388	1.49469	1.34020	1.20628	1.08963	0.98755
12.00	2.80979	2.45900	2.16426	1.91480	1.70225	1.52003	1.36291	1.22673	1.10810	1.00429
12.20	2.85662	2.49999	2.20033	1.94671	1.73062	1.54536	1.38563	1.24717	1.12657	1.02102
12.40	2.90345	2.54097	2.23640	1.97862	1.75899	1.57069	1.40834	1.26762	1.14504	1.03776
12.60	2.95028	2.58195	2.27247	2.01054	1.78736	1.59603	1.43106	1.28807	1.16350	1.05450
12.80	2.99711	2.62294	2.30854	2.04245	1.81573	1.62136	1.45377	1.30851	1.18197	1.07124
13.00	3.04394	2.66392	2.34461	2.07436	1.84410	1.64670	1.47649	1.32896	1.20044	1.08798
13.20	3.09077	2.70490	2.38068	2.10628	1.87247	1.67203	1.49921	1.34940	1.21891	1.10471
13.40	3.13760	2.74589	2.41675	2.13819	1.90084	1.69736	1.52192	1.36985	1.23738	1.12145
13.60	3.18443	2.78687	2.45282	2.17010	1.92921	1.72270	1.54464	1.39029	1.25585	1.13819
13.80	3.23126	2.82785	2.48890	2.20202	1.95758	1.74803	1.56735	1.41074	1.27431	1.15493
14.00	3.27809	2.86884	2.52497	2.23393	1.98595	1.77336	1.59007	1.43118	1.29278	1.17167
14.20	3.32492	2.90982	2.56104	2.26584	2.01433	1.79870	1.61278	1.45163	1.31125	1.18841
14.40	3.37175	2.95080	2.59711	2.29776	2.04270	1.82403	1.63550	1.47207	1.32972	1.20514
14.60	3.41858	2.99179	2.63318	2.32967	2.07107	1.84937	1.65821	1.49252	1.34819	1.22188
14.80	3.46541	3.03277	2.66925	2.36158	2.09944	1.87470	1.68093	1.51297	1.36666	1.23862
15.00	3.51224	3.07375	2.70532	2.39350	2.12781	1.90003	1.70364	1.53341	1.38512	1.25536
15.20	3.55907	3.11474	2.74139	2.42541	2.15618	1.92537	1.72636	1.55386	1.40359	1.27210
15.40	3.60590	3.15572	2.77746	2.45732	2.18455	1.95070	1.74907	1.57430	1.42206	1.28883
15.60	3.65273	3.19670	2.81353	2.48923	2.21292	1.97603	1.77179	1.59475	1.44053	1.30557
15.80	3.69956	3.23769	2.84960	2.52115	2.24129	2.00137	1.79450	1.61519	1.45900	1.32231
16.00	3.74639	3.27867	2.88568	2.55306	2.26966	2.02670	1.81722	1.63564	1.47747	1.33905
16.20	3.79322	3.31965	2.92175	2.58497	2.29803	2.05204	1.83993	1.65608	1.49593	1.35579
16.40	3.84005	3.36064	2.95782	2.61689	2.32640	2.07737	1.86265	1.67653	1.51440	1.37252
16.60	3.88688	3.40162	2.99389	2.64880	2.35477	2.10270	1.88536	1.69697	1.53287	1.38926
16.80	3.93371	3.44260	3.02996	2.68071	2.38315	2.12804	1.90808	1.71742	1.55134	1.40600

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B/BD	B	H	B	B	H	B	B	H	B	B
1.00	0.07609	0.06938	0.06343	0.05815	0.05344	0.04922	0.04544	0.04203	0.03896	0.03618
1.10	0.08370	0.07632	0.06978	0.06397	0.05878	0.05414	0.04998	0.04623	0.04285	0.03979
1.20	0.09130	0.08325	0.07612	0.06978	0.06413	0.05907	0.05452	0.05044	0.04675	0.04341
1.30	0.09891	0.09019	0.08246	0.07560	0.06947	0.06399	0.05907	0.05464	0.05064	0.04703
1.40	0.10652	0.09713	0.08881	0.08141	0.07481	0.06891	0.06361	0.05884	0.05454	0.05065
1.50	0.11413	0.10407	0.09515	0.08723	0.08016	0.07383	0.06816	0.06305	0.05843	0.05426
1.60	0.12174	0.11100	0.10149	0.09304	0.08550	0.07875	0.07270	0.06725	0.06233	0.05788
1.70	0.12935	0.11794	0.10784	0.09886	0.09085	0.08368	0.07724	0.07145	0.06623	0.06150
1.80	0.13696	0.12488	0.11418	0.10467	0.09619	0.08860	0.08179	0.07566	0.07012	0.06512
1.90	0.14457	0.13182	0.12053	0.11049	0.10153	0.09352	0.08633	0.07986	0.07402	0.06873
2.00	0.15217	0.13876	0.12687	0.11630	0.10688	0.09844	0.09087	0.08406	0.07791	0.07235
2.10	0.15978	0.14569	0.13321	0.12212	0.11222	0.10337	0.09542	0.08826	0.08181	0.07597
2.20	0.16739	0.15263	0.13956	0.12793	0.11756	0.10829	0.09996	0.09247	0.08570	0.07959
2.30	0.17500	0.15957	0.14590	0.13375	0.12291	0.11321	0.10451	0.09667	0.08960	0.08320
2.40	0.18261	0.16651	0.15224	0.13956	0.12825	0.11813	0.10905	0.10087	0.09350	0.08682
2.50	0.19022	0.17344	0.15859	0.14538	0.13360	0.12305	0.11359	0.10508	0.09739	0.09044
2.60	0.19783	0.18038	0.16493	0.15119	0.13894	0.12798	0.11814	0.10928	0.10129	0.09406
2.70	0.20544	0.18732	0.17127	0.15701	0.14428	0.13290	0.12268	0.11348	0.10518	0.09767
2.80	0.21304	0.19426	0.17762	0.16282	0.14963	0.13782	0.12722	0.11769	0.10908	0.10129
2.90	0.22065	0.20120	0.18396	0.16864	0.15497	0.14274	0.13177	0.12189	0.11297	0.10491
3.00	0.22826	0.20813	0.19030	0.17445	0.16032	0.14766	0.13631	0.12609	0.11687	0.10853
3.10	0.23587	0.21507	0.19665	0.18027	0.16566	0.15259	0.14085	0.13030	0.12077	0.11214
3.20	0.24348	0.22201	0.20299	0.18608	0.17100	0.15751	0.14540	0.13450	0.12466	0.11576
3.30	0.25109	0.22895	0.20933	0.19190	0.17635	0.16243	0.14994	0.13870	0.12856	0.11938
3.40	0.25870	0.23588	0.21568	0.19771	0.18169	0.16735	0.15449	0.14290	0.13245	0.12300
3.50	0.26631	0.24282	0.22202	0.20353	0.18703	0.17228	0.15903	0.14711	0.13635	0.12661
3.60	0.27391	0.24976	0.22836	0.20934	0.19238	0.17720	0.16357	0.15131	0.14024	0.13023
3.70	0.28152	0.25670	0.23471	0.21516	0.19772	0.18212	0.16812	0.15551	0.14414	0.13385
3.80	0.28913	0.26364	0.24105	0.22097	0.20307	0.18704	0.17266	0.15972	0.14804	0.13747
3.90	0.29674	0.27057	0.24739	0.22679	0.20841	0.19196	0.17720	0.16392	0.15193	0.14108
4.00	0.30435	0.27751	0.25374	0.23260	0.21375	0.19689	0.18175	0.16812	0.15583	0.14470
4.10	0.31196	0.28445	0.26008	0.23842	0.21910	0.20181	0.18629	0.17233	0.15972	0.14832
4.20	0.31957	0.29139	0.26642	0.24423	0.22444	0.20673	0.19084	0.17653	0.16362	0.15194
4.30	0.32717	0.29832	0.27277	0.25005	0.22979	0.21165	0.19538	0.18073	0.16751	0.15555

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B/BU	B	B	B	B	B	B	B	B	B	B
4.40	0.33478	0.30526	0.27911	0.25586	0.23513	0.21658	0.19992	0.18494	0.17141	0.15917
4.50	0.34239	0.31220	0.28545	0.26168	0.24047	0.22150	0.20447	0.18914	0.17530	0.16279
4.60	0.35000	0.31914	0.29180	0.26749	0.24582	0.22642	0.20901	0.19334	0.17920	0.16641
4.70	0.35761	0.32607	0.29814	0.27331	0.25116	0.23134	0.21355	0.19754	0.18310	0.17002
4.80	0.36522	0.33301	0.30448	0.27912	0.25650	0.23626	0.21810	0.20175	0.18699	0.17364
4.90	0.37283	0.33995	0.31083	0.28494	0.26185	0.24119	0.22264	0.20595	0.19089	0.17726
5.00	0.38044	0.34689	0.31717	0.29075	0.26719	0.24611	0.22719	0.21015	0.19478	0.18088
5.20	0.39565	0.36076	0.32986	0.30239	0.27788	0.25595	0.23627	0.21856	0.20257	0.18811
5.40	0.41087	0.37464	0.34255	0.31402	0.28857	0.26580	0.24536	0.22697	0.21037	0.19535
5.60	0.42609	0.38851	0.35523	0.32565	0.29926	0.27564	0.25445	0.23537	0.21816	0.20258
5.80	0.44131	0.40239	0.36792	0.33728	0.30994	0.28549	0.26354	0.24378	0.22595	0.20982
6.00	0.45652	0.41627	0.38061	0.34891	0.32063	0.29533	0.27262	0.25218	0.23374	0.21705
6.20	0.47174	0.43014	0.39329	0.36054	0.33132	0.30517	0.28171	0.26059	0.24153	0.22429
6.40	0.48696	0.44402	0.40598	0.37217	0.34201	0.31502	0.29080	0.26900	0.24932	0.23152
6.60	0.50218	0.45789	0.41867	0.38380	0.35269	0.32486	0.29988	0.27740	0.25711	0.23876
6.80	0.51739	0.47177	0.43135	0.39543	0.36338	0.33471	0.30897	0.28581	0.26491	0.24599
7.00	0.53261	0.48564	0.44404	0.40706	0.37407	0.34455	0.31806	0.29422	0.27270	0.25323
7.20	0.54783	0.49952	0.45673	0.41869	0.38476	0.35440	0.32715	0.30262	0.28049	0.26046
7.40	0.56304	0.51339	0.46941	0.43032	0.39544	0.36424	0.33623	0.31103	0.28828	0.26770
7.60	0.57826	0.52727	0.48210	0.44195	0.40613	0.37408	0.34532	0.31943	0.29607	0.27493
7.80	0.59348	0.54115	0.49479	0.45358	0.41682	0.38393	0.35441	0.32784	0.30386	0.28217
8.00	0.60870	0.55502	0.50747	0.46521	0.42751	0.39377	0.36350	0.33625	0.31165	0.28940
8.20	0.62391	0.56890	0.52016	0.47684	0.43820	0.40362	0.37258	0.34465	0.31944	0.29664
8.40	0.63913	0.58277	0.53285	0.48847	0.44888	0.41346	0.38167	0.35306	0.32724	0.30387
8.60	0.65435	0.59665	0.54554	0.50010	0.45957	0.42331	0.39076	0.36146	0.33503	0.31111
8.80	0.66957	0.61052	0.55822	0.51173	0.47026	0.43315	0.39985	0.36987	0.34282	0.31834
9.00	0.68478	0.62440	0.57091	0.52336	0.48095	0.44299	0.40893	0.37828	0.35061	0.32558
9.20	0.70000	0.63827	0.58360	0.53499	0.49163	0.45284	0.41802	0.38658	0.35840	0.33281
9.40	0.71522	0.65215	0.59628	0.54662	0.50232	0.46268	0.42711	0.39509	0.36619	0.34005
9.60	0.73044	0.66603	0.60897	0.55825	0.51301	0.47253	0.43620	0.40350	0.37398	0.34728
9.80	0.74565	0.67990	0.62166	0.56988	0.52370	0.48237	0.44528	0.41190	0.38177	0.35452
10.00	0.76087	0.69378	0.63434	0.58151	0.53438	0.49222	0.45437	0.42031	0.38957	0.36175
10.20	0.77609	0.70765	0.64703	0.59314	0.54507	0.50206	0.46346	0.42871	0.39736	0.36899
10.40	0.79131	0.72153	0.65972	0.60477	0.55576	0.51191	0.47255	0.43712	0.40515	0.37622

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B/BU	B	B	B	B	B	B	B	B	B	B
10.60	0.80652	0.73540	0.67240	0.61640	0.56645	0.52175	0.48163	0.44553	0.41294	0.38346
10.80	0.82174	0.74928	0.68509	0.62803	0.57714	0.53159	0.49072	0.45393	0.42073	0.39069
11.00	0.83696	0.76315	0.69778	0.63966	0.58782	0.54144	0.49981	0.46234	0.42852	0.39793
11.20	0.85218	0.77703	0.71046	0.65129	0.59851	0.55128	0.50890	0.47074	0.43631	0.40516
11.40	0.86739	0.79091	0.72315	0.66292	0.60920	0.56113	0.51798	0.47915	0.44411	0.41240
11.60	0.88261	0.80478	0.73584	0.67455	0.61989	0.57097	0.52707	0.48756	0.45190	0.41963
11.80	0.89783	0.81866	0.74853	0.68618	0.63057	0.58082	0.53616	0.49596	0.45969	0.42687
12.00	0.91305	0.83253	0.76121	0.69781	0.64126	0.59066	0.54525	0.50437	0.46748	0.43410
12.20	0.92826	0.84641	0.77390	0.70944	0.65195	0.60050	0.55433	0.51278	0.47527	0.44134
12.40	0.94348	0.86028	0.78659	0.72107	0.66264	0.61035	0.56342	0.52118	0.48306	0.44857
12.60	0.95870	0.87416	0.79927	0.73270	0.67332	0.62019	0.57251	0.52959	0.49085	0.45581
12.80	0.97392	0.88803	0.81196	0.74433	0.68401	0.63004	0.58159	0.53799	0.49864	0.46304
13.00	0.98913	0.90191	0.82465	0.75596	0.69470	0.63988	0.59068	0.54640	0.50644	0.47028
13.20	1.00435	0.91578	0.83733	0.76759	0.70539	0.64973	0.59977	0.55481	0.51423	0.47751
13.40	1.01957	0.92966	0.85002	0.77922	0.71608	0.65957	0.60886	0.56321	0.52202	0.48475
13.60	1.03479	0.94354	0.86271	0.79085	0.72676	0.66941	0.61794	0.57162	0.52981	0.49198
13.80	1.05000	0.95741	0.87539	0.80248	0.73745	0.67926	0.62703	0.58002	0.53760	0.49922
14.00	1.06522	0.97129	0.88808	0.81411	0.74814	0.68910	0.63612	0.58843	0.54539	0.50645
14.20	1.08044	0.98516	0.90077	0.82574	0.75883	0.69895	0.64521	0.59684	0.55318	0.51369
14.40	1.09566	0.99904	0.91345	0.83737	0.76951	0.70879	0.65429	0.60524	0.56098	0.52092
14.60	1.11087	1.01291	0.92614	0.84900	0.78020	0.71864	0.66338	0.61365	0.56877	0.52816
14.80	1.12609	1.02679	0.93883	0.86063	0.79089	0.72848	0.67247	0.62206	0.57656	0.53539
15.00	1.14131	1.04066	0.95152	0.87226	0.80158	0.73832	0.68156	0.63046	0.58435	0.54263
15.20	1.15652	1.05454	0.96420	0.88390	0.81226	0.74817	0.69064	0.63887	0.59214	0.54986
15.40	1.17174	1.06842	0.97689	0.89553	0.82295	0.75801	0.69973	0.64727	0.59993	0.55710
15.60	1.18696	1.08229	0.98958	0.90716	0.83364	0.76786	0.70882	0.65568	0.60772	0.56433
15.80	1.20218	1.09617	1.00226	0.91879	0.84433	0.77770	0.71791	0.66409	0.61551	0.57157
16.00	1.21739	1.11004	1.01495	0.93042	0.85502	0.78755	0.72699	0.67249	0.62331	0.57880
16.20	1.23261	1.12392	1.02764	0.94205	0.86570	0.79739	0.73608	0.68090	0.63110	0.58604
16.40	1.24783	1.13779	1.04032	0.95368	0.87639	0.80724	0.74517	0.68930	0.63889	0.59327
16.60	1.26305	1.15167	1.05301	0.96531	0.88708	0.81708	0.75426	0.69771	0.64668	0.60051
16.80	1.27826	1.16554	1.06570	0.97694	0.89777	0.82692	0.76334	0.70612	0.65447	0.60774



L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
b/B0	B	B	B	B	B	B	B	B	B	B
1.00	0.03365	0.03136	0.02927	0.02736	0.02561	0.02401	0.02254	0.01995	0.01773	0.01583
1.10	0.03702	0.03449	0.03220	0.03010	0.02818	0.02642	0.02480	0.02194	0.01950	0.01742
1.20	0.04038	0.03763	0.03512	0.03283	0.03074	0.02882	0.02705	0.02393	0.02128	0.01900
1.30	0.04375	0.04077	0.03805	0.03557	0.03330	0.03122	0.02931	0.02593	0.02305	0.02058
1.40	0.04711	0.04390	0.04098	0.03830	0.03586	0.03362	0.03156	0.02792	0.02482	0.02217
1.50	0.05048	0.04704	0.04390	0.04104	0.03842	0.03602	0.03382	0.02992	0.02660	0.02375
1.60	0.05384	0.05017	0.04683	0.04378	0.04098	0.03842	0.03607	0.03191	0.02837	0.02533
1.70	0.05721	0.05331	0.04976	0.04651	0.04354	0.04082	0.03833	0.03391	0.03014	0.02692
1.80	0.06057	0.05645	0.05268	0.04925	0.04611	0.04323	0.04058	0.03590	0.03192	0.02850
1.90	0.06394	0.05958	0.05561	0.05198	0.04867	0.04563	0.04283	0.03790	0.03369	0.03008
2.00	0.06730	0.06272	0.05854	0.05472	0.05123	0.04803	0.04509	0.03989	0.03546	0.03167
2.10	0.07067	0.06585	0.06146	0.05745	0.05379	0.05043	0.04734	0.04189	0.03724	0.03325
2.20	0.07403	0.06899	0.06439	0.06019	0.05635	0.05283	0.04960	0.04388	0.03901	0.03483
2.30	0.07740	0.07212	0.06732	0.06293	0.05891	0.05523	0.05185	0.04588	0.04078	0.03642
2.40	0.08077	0.07526	0.07024	0.06567	0.06148	0.05763	0.05411	0.04787	0.04256	0.03800
2.50	0.08413	0.07840	0.07317	0.06840	0.06404	0.06004	0.05636	0.04986	0.04433	0.03958
2.60	0.08750	0.08153	0.07610	0.07114	0.06660	0.06244	0.05862	0.05186	0.04610	0.04117
2.70	0.09086	0.08467	0.07903	0.07387	0.06916	0.06484	0.06087	0.05385	0.04788	0.04275
2.80	0.09423	0.08780	0.08195	0.07661	0.07172	0.06724	0.06312	0.05585	0.04965	0.04433
2.90	0.09759	0.09094	0.08488	0.07935	0.07428	0.06964	0.06538	0.05784	0.05142	0.04592
3.00	0.10096	0.09408	0.08781	0.08208	0.07684	0.07204	0.06763	0.05984	0.05320	0.04750
3.10	0.10432	0.09721	0.09073	0.08482	0.07941	0.07444	0.06989	0.06183	0.05497	0.04908
3.20	0.10769	0.10035	0.09366	0.08755	0.08197	0.07685	0.07214	0.06383	0.05674	0.05067
3.30	0.11105	0.10348	0.09659	0.09029	0.08453	0.07925	0.07440	0.06582	0.05851	0.05225
3.40	0.11442	0.10662	0.09951	0.09303	0.08709	0.08165	0.07665	0.06782	0.06029	0.05383
3.50	0.11778	0.10975	0.10244	0.09576	0.08965	0.08405	0.07891	0.06981	0.06206	0.05542
3.60	0.12115	0.11289	0.10537	0.09850	0.09221	0.08645	0.08116	0.07180	0.06383	0.05700
3.70	0.12451	0.11603	0.10829	0.10123	0.09477	0.08885	0.08341	0.07380	0.06561	0.05858
3.80	0.12788	0.11916	0.11122	0.10397	0.09734	0.09125	0.08567	0.07579	0.06738	0.06017
3.90	0.13124	0.12230	0.11415	0.10671	0.09990	0.09366	0.08792	0.07779	0.06915	0.06175
4.00	0.13461	0.12543	0.11707	0.10944	0.10246	0.09606	0.09018	0.07978	0.07093	0.06333
4.10	0.13797	0.12857	0.12000	0.11218	0.10502	0.09846	0.09243	0.08178	0.07270	0.06492
4.20	0.14134	0.13171	0.12293	0.11491	0.10758	0.10086	0.09469	0.08377	0.07447	0.06650
4.30	0.14470	0.13484	0.12586	0.11765	0.11014	0.10326	0.09694	0.08577	0.07625	0.06808

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B/B0	H	H	B	B	B	B	B	B	B	B
4.40	0.14807	0.13798	0.12878	0.12039	0.11270	0.10566	0.09920	0.08776	0.07802	0.06967
4.50	0.15143	0.14111	0.13171	0.12312	0.11527	0.10806	0.10145	0.08976	0.07979	0.07125
4.60	0.15480	0.14425	0.13464	0.12586	0.11783	0.11047	0.10370	0.09175	0.08157	0.07283
4.70	0.15817	0.14739	0.13756	0.12859	0.12039	0.11287	0.10596	0.09375	0.08334	0.07442
4.80	0.16153	0.15052	0.14049	0.13133	0.12295	0.11527	0.10821	0.09574	0.08511	0.07600
4.90	0.16490	0.15366	0.14342	0.13407	0.12551	0.11767	0.11047	0.09773	0.08689	0.07758
5.00	0.16826	0.15679	0.14634	0.13680	0.12807	0.12007	0.11272	0.09973	0.08866	0.07917
5.20	0.17499	0.16306	0.15220	0.14227	0.13320	0.12487	0.11723	0.10372	0.09221	0.08233
5.40	0.18172	0.16934	0.15805	0.14775	0.13832	0.12968	0.12174	0.10771	0.09575	0.08550
5.60	0.18845	0.17561	0.16390	0.15322	0.14344	0.13448	0.12625	0.11170	0.09930	0.08867
5.80	0.19518	0.18188	0.16976	0.15869	0.14856	0.13928	0.13076	0.11569	0.10284	0.09183
6.00	0.20191	0.18815	0.17561	0.16416	0.15369	0.14409	0.13527	0.11967	0.10639	0.09500
6.20	0.20864	0.19442	0.18147	0.16963	0.15881	0.14889	0.13977	0.12366	0.10994	0.09817
6.40	0.21537	0.20069	0.18732	0.17511	0.16393	0.15369	0.14428	0.12765	0.11348	0.10134
6.60	0.22210	0.20697	0.19317	0.18058	0.16906	0.15849	0.14879	0.13164	0.11703	0.10450
6.80	0.22883	0.21324	0.19903	0.18605	0.17418	0.16330	0.15330	0.13563	0.12058	0.10767
7.00	0.23557	0.21951	0.20488	0.19152	0.17930	0.16810	0.15781	0.13962	0.12412	0.11084
7.20	0.24230	0.22578	0.21073	0.19700	0.18443	0.17290	0.16232	0.14361	0.12767	0.11400
7.40	0.24903	0.23205	0.21659	0.20247	0.18955	0.17770	0.16683	0.14760	0.13121	0.11717
7.60	0.25576	0.23832	0.22244	0.20794	0.19467	0.18251	0.17134	0.15159	0.13476	0.12034
7.80	0.26249	0.24460	0.22830	0.21341	0.19979	0.18731	0.17585	0.15558	0.13831	0.12350
8.00	0.26922	0.25087	0.23415	0.21888	0.20492	0.19211	0.18035	0.15957	0.14185	0.12667
8.20	0.27595	0.25714	0.24000	0.22436	0.21004	0.19692	0.18486	0.16356	0.14540	0.12984
8.40	0.28268	0.26341	0.24586	0.22983	0.21516	0.20172	0.18937	0.16754	0.14895	0.13300
8.60	0.28941	0.26968	0.25171	0.23530	0.22029	0.20652	0.19388	0.17153	0.15249	0.13617
8.80	0.29614	0.27596	0.25756	0.24077	0.22541	0.21132	0.19839	0.17552	0.15604	0.13934
9.00	0.30287	0.28223	0.26342	0.24624	0.23053	0.21613	0.20290	0.17951	0.15959	0.14250
9.20	0.30960	0.28850	0.26927	0.25172	0.23565	0.22093	0.20741	0.18350	0.16313	0.14567
9.40	0.31633	0.29477	0.27513	0.25719	0.24078	0.22573	0.21192	0.18749	0.16668	0.14884
9.60	0.32306	0.30104	0.28098	0.26266	0.24590	0.23054	0.21643	0.19148	0.17022	0.15200
9.80	0.32979	0.30731	0.28683	0.26813	0.25102	0.23534	0.22093	0.19547	0.17377	0.15517
10.00	0.33652	0.31359	0.29269	0.27360	0.25615	0.24014	0.22544	0.19946	0.17732	0.15834
10.20	0.34325	0.31986	0.29854	0.27908	0.26127	0.24494	0.22995	0.20345	0.18086	0.16150
10.40	0.34998	0.32613	0.30439	0.28455	0.26639	0.24975	0.23446	0.20744	0.18441	0.16467

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B/BO	B	B	B	B	B	B	B	B	B	B
10.60	0.35671	0.33240	0.31025	0.29002	0.27151	0.25455	0.23897	0.21143	0.18796	0.16784
10.80	0.36344	0.33867	0.31610	0.29549	0.27664	0.25935	0.24348	0.21541	0.19150	0.17100
11.00	0.37017	0.34494	0.32196	0.30097	0.28176	0.26416	0.24799	0.21940	0.19505	0.17417
11.20	0.37690	0.35122	0.32781	0.30644	0.28689	0.26896	0.25250	0.22339	0.19860	0.17734
11.40	0.38364	0.35749	0.33366	0.31191	0.29201	0.27376	0.25701	0.22738	0.20214	0.18050
11.60	0.39037	0.36376	0.33952	0.31738	0.29713	0.27856	0.26151	0.23137	0.20569	0.18367
11.80	0.39710	0.37003	0.34537	0.32285	0.30225	0.28337	0.26602	0.23536	0.20923	0.18684
12.00	0.40383	0.37630	0.35122	0.32833	0.30738	0.28817	0.27053	0.23935	0.21278	0.19000
12.20	0.41056	0.38257	0.35708	0.33380	0.31250	0.29297	0.27504	0.24334	0.21633	0.19317
12.40	0.41729	0.38885	0.36293	0.33927	0.31762	0.29778	0.27955	0.24733	0.21987	0.19634
12.60	0.42402	0.39512	0.36879	0.34474	0.32274	0.30258	0.28406	0.25132	0.22342	0.19950
12.80	0.43075	0.40139	0.37464	0.35021	0.32787	0.30738	0.28857	0.25531	0.22697	0.20267
13.00	0.43748	0.40766	0.38049	0.35569	0.33299	0.31218	0.29308	0.25930	0.23051	0.20584
13.20	0.44421	0.41393	0.38635	0.36116	0.33811	0.31699	0.29759	0.26328	0.23406	0.20900
13.40	0.45094	0.42020	0.39220	0.36663	0.34324	0.32179	0.30209	0.26727	0.23761	0.21217
13.60	0.45767	0.42648	0.39805	0.37210	0.34836	0.32659	0.30660	0.27126	0.24115	0.21534
13.80	0.46440	0.43275	0.40391	0.37757	0.35348	0.33140	0.31111	0.27525	0.24470	0.21850
14.00	0.47113	0.43902	0.40976	0.38305	0.35860	0.33620	0.31562	0.27924	0.24824	0.22167
14.20	0.47786	0.44529	0.41562	0.38852	0.36373	0.34100	0.32013	0.28323	0.25179	0.22484
14.40	0.48459	0.45156	0.42147	0.39399	0.36885	0.34580	0.32464	0.28722	0.25534	0.22800
14.60	0.49132	0.45783	0.42732	0.39946	0.37397	0.35061	0.32915	0.29121	0.25888	0.23117
14.80	0.49805	0.46411	0.43318	0.40494	0.37910	0.35541	0.33366	0.29520	0.26243	0.23434
15.00	0.50478	0.47038	0.43903	0.41041	0.38422	0.36021	0.33817	0.29919	0.26598	0.23750
15.20	0.51151	0.47665	0.44488	0.41588	0.38934	0.36502	0.34267	0.30318	0.26952	0.24067
15.40	0.51824	0.48292	0.45074	0.42135	0.39447	0.36982	0.34718	0.30717	0.27307	0.24384
15.60	0.52497	0.48919	0.45659	0.42682	0.39959	0.37462	0.35169	0.31115	0.27662	0.24700
15.80	0.53170	0.49547	0.46245	0.43230	0.40471	0.37942	0.35620	0.31514	0.28016	0.25017
16.00	0.53844	0.50174	0.46830	0.43777	0.40983	0.38423	0.36071	0.31913	0.28371	0.25334
16.20	0.54517	0.50801	0.47415	0.44324	0.41496	0.38903	0.36522	0.32312	0.28725	0.25650
16.40	0.55190	0.51428	0.48001	0.44871	0.42008	0.39383	0.36973	0.32711	0.29080	0.25967
16.60	0.55863	0.52055	0.48586	0.45418	0.42520	0.39864	0.37424	0.33110	0.29435	0.26284
16.80	0.56536	0.52682	0.49171	0.45966	0.43033	0.40344	0.37874	0.33509	0.29789	0.26600

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B/B0	B	B	B	B	B	B	B	B	B	B
1.00	0.01420	0.01278	0.01154	0.01046	0.00951	0.00867	0.00793	0.00727	0.00668	0.00615
1.10	0.01562	0.01406	0.01270	0.01151	0.01046	0.00954	0.00872	0.00800	0.00735	0.00677
1.20	0.01704	0.01533	0.01385	0.01255	0.01141	0.01041	0.00952	0.00872	0.00802	0.00738
1.30	0.01846	0.01661	0.01501	0.01360	0.01236	0.01127	0.01031	0.00945	0.00868	0.00800
1.40	0.01988	0.01789	0.01616	0.01465	0.01332	0.01214	0.01110	0.01018	0.00935	0.00861
1.50	0.02130	0.01917	0.01731	0.01569	0.01427	0.01301	0.01189	0.01090	0.01002	0.00923
1.60	0.02272	0.02045	0.01847	0.01674	0.01522	0.01388	0.01269	0.01163	0.01069	0.00984
1.70	0.02413	0.02172	0.01962	0.01773	0.01617	0.01474	0.01348	0.01236	0.01136	0.01046
1.80	0.02555	0.02300	0.02078	0.01883	0.01712	0.01561	0.01427	0.01308	0.01202	0.01107
1.90	0.02697	0.02428	0.02193	0.01988	0.01807	0.01648	0.01507	0.01381	0.01269	0.01169
2.00	0.02839	0.02556	0.02309	0.02092	0.01902	0.01734	0.01586	0.01454	0.01336	0.01231
2.10	0.02981	0.02683	0.02424	0.02197	0.01997	0.01821	0.01665	0.01526	0.01403	0.01292
2.20	0.03123	0.02811	0.02539	0.02301	0.02092	0.01908	0.01744	0.01599	0.01470	0.01354
2.30	0.03265	0.02939	0.02655	0.02406	0.02188	0.01995	0.01824	0.01672	0.01536	0.01415
2.40	0.03407	0.03067	0.02770	0.02511	0.02283	0.02081	0.01903	0.01745	0.01603	0.01477
2.50	0.03549	0.03195	0.02886	0.02615	0.02378	0.02168	0.01982	0.01817	0.01670	0.01538
2.60	0.03691	0.03322	0.03001	0.02720	0.02473	0.02255	0.02062	0.01890	0.01737	0.01600
2.70	0.03833	0.03450	0.03117	0.02825	0.02568	0.02341	0.02141	0.01963	0.01804	0.01661
2.80	0.03975	0.03578	0.03232	0.02929	0.02663	0.02428	0.02220	0.02035	0.01870	0.01723
2.90	0.04117	0.03706	0.03347	0.03034	0.02758	0.02515	0.02299	0.02108	0.01937	0.01784
3.00	0.04259	0.03834	0.03463	0.03138	0.02853	0.02602	0.02379	0.02181	0.02004	0.01846
3.10	0.04401	0.03961	0.03578	0.03243	0.02948	0.02688	0.02458	0.02253	0.02071	0.01907
3.20	0.04543	0.04089	0.03694	0.03346	0.03043	0.02775	0.02537	0.02326	0.02138	0.01969
3.30	0.04685	0.04217	0.03807	0.03452	0.03139	0.02862	0.02617	0.02399	0.02204	0.02030
3.40	0.04827	0.04345	0.03925	0.03557	0.03234	0.02949	0.02696	0.02471	0.02271	0.02092
3.50	0.04969	0.04472	0.04040	0.03661	0.03329	0.03035	0.02775	0.02544	0.02338	0.02153
3.60	0.05111	0.04600	0.04155	0.03766	0.03424	0.03122	0.02855	0.02617	0.02405	0.02215
3.70	0.05253	0.04728	0.04271	0.03871	0.03519	0.03209	0.02934	0.02689	0.02472	0.02277
3.80	0.05395	0.04856	0.04386	0.03975	0.03614	0.03295	0.03013	0.02762	0.02538	0.02338
3.90	0.05537	0.04984	0.04502	0.04080	0.03709	0.03382	0.03092	0.02835	0.02605	0.02400
4.00	0.05679	0.05111	0.04617	0.04185	0.03804	0.03469	0.03172	0.02908	0.02672	0.02461
4.10	0.05821	0.05239	0.04733	0.04287	0.03899	0.03556	0.03251	0.02980	0.02739	0.02523
4.20	0.05963	0.05367	0.04848	0.04394	0.03995	0.03642	0.03330	0.03053	0.02806	0.02584
4.30	0.06105	0.05495	0.04963	0.04498	0.04090	0.03729	0.03410	0.03126	0.02872	0.02646

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B/RD	B	B	B	B	B	B	B	B	B	B
4.40	0.06247	0.05623	0.05079	0.04603	0.04185	0.03816	0.03489	0.03198	0.02939	0.02707
4.50	0.06389	0.05750	0.05194	0.04708	0.04280	0.03902	0.03568	0.03271	0.03006	0.02769
4.60	0.06531	0.05878	0.05310	0.04812	0.04375	0.03989	0.03647	0.03344	0.03073	0.02830
4.70	0.06673	0.06006	0.05425	0.04917	0.04470	0.04076	0.03727	0.03416	0.03140	0.02892
4.80	0.06815	0.06134	0.05540	0.05021	0.04565	0.04163	0.03806	0.03489	0.03206	0.02953
4.90	0.06957	0.06261	0.05656	0.05126	0.04660	0.04249	0.03885	0.03562	0.03273	0.03015
5.00	0.07099	0.06389	0.05771	0.05231	0.04755	0.04336	0.03965	0.03634	0.03340	0.03076
5.20	0.07382	0.06645	0.06002	0.05440	0.04946	0.04510	0.04123	0.03780	0.03473	0.03199
5.40	0.07666	0.06900	0.06233	0.05649	0.05136	0.04683	0.04282	0.03925	0.03607	0.03322
5.60	0.07950	0.07156	0.06464	0.05858	0.05326	0.04856	0.04440	0.04071	0.03741	0.03446
5.80	0.08234	0.07411	0.06695	0.06068	0.05516	0.05030	0.04599	0.04216	0.03874	0.03569
6.00	0.08518	0.07667	0.06926	0.06277	0.05707	0.05203	0.04758	0.04361	0.04008	0.03692
6.20	0.08802	0.07923	0.07156	0.06486	0.05897	0.05377	0.04916	0.04507	0.04141	0.03815
6.40	0.09086	0.08178	0.07387	0.06695	0.06087	0.05550	0.05075	0.04652	0.04275	0.03938
6.60	0.09370	0.08434	0.07618	0.06904	0.06277	0.05724	0.05233	0.04797	0.04409	0.04061
6.80	0.09654	0.08689	0.07849	0.07114	0.06467	0.05897	0.05392	0.04943	0.04542	0.04184
7.00	0.09938	0.08945	0.08080	0.07323	0.06658	0.06071	0.05551	0.05088	0.04676	0.04307
7.20	0.10222	0.09200	0.08311	0.07532	0.06848	0.06244	0.05709	0.05234	0.04809	0.04430
7.40	0.10506	0.09456	0.08542	0.07741	0.07038	0.06417	0.05868	0.05379	0.04943	0.04553
7.60	0.10790	0.09712	0.08772	0.07951	0.07228	0.06591	0.06026	0.05524	0.05077	0.04676
7.80	0.11074	0.09967	0.09003	0.08160	0.07418	0.06764	0.06185	0.05670	0.05210	0.04799
8.00	0.11358	0.10223	0.09234	0.08369	0.07609	0.06938	0.06343	0.05815	0.05344	0.04922
8.20	0.11642	0.10478	0.09465	0.08578	0.07799	0.07111	0.06502	0.05960	0.05477	0.05045
8.40	0.11925	0.10734	0.09696	0.08788	0.07989	0.07285	0.06661	0.06106	0.05611	0.05168
8.60	0.12209	0.10989	0.09927	0.08997	0.08179	0.07458	0.06819	0.06251	0.05745	0.05291
8.80	0.12493	0.11245	0.10158	0.09206	0.08370	0.07632	0.06978	0.06397	0.05878	0.05414
9.00	0.12777	0.11501	0.10388	0.09415	0.08560	0.07805	0.07136	0.06542	0.06012	0.05537
9.20	0.13061	0.11756	0.10619	0.09624	0.08750	0.07978	0.07295	0.06687	0.06145	0.05660
9.40	0.13345	0.12012	0.10850	0.09834	0.08940	0.08152	0.07454	0.06833	0.06279	0.05784
9.60	0.13629	0.12267	0.11081	0.10043	0.09130	0.08325	0.07612	0.06978	0.06413	0.05907
9.80	0.13913	0.12523	0.11312	0.10252	0.09321	0.08499	0.07771	0.07123	0.06546	0.06030
10.00	0.14197	0.12778	0.11543	0.10461	0.09511	0.08672	0.07929	0.07269	0.06680	0.06153
10.20	0.14481	0.13034	0.11774	0.10671	0.09701	0.08846	0.08088	0.07414	0.06813	0.06276
10.40	0.14765	0.13290	0.12004	0.10880	0.09891	0.09019	0.08246	0.07560	0.06947	0.06399

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B/BO	B	B	B	B	B	B	B	B	B	B
10.60	0.15049	0.13545	0.12235	0.11089	0.10082	0.09193	0.08405	0.07705	0.07081	0.06522
10.80	0.15333	0.13801	0.12466	0.11298	0.10272	0.09366	0.08564	0.07850	0.07214	0.06645
11.00	0.15617	0.14056	0.12697	0.11507	0.10462	0.09539	0.08722	0.07996	0.07348	0.06768
11.20	0.15901	0.14312	0.12928	0.11717	0.10652	0.09713	0.08881	0.08141	0.07481	0.06891
11.40	0.16185	0.14567	0.13159	0.11926	0.10842	0.09886	0.09039	0.08287	0.07615	0.07014
11.60	0.16469	0.14823	0.13390	0.12135	0.11033	0.10060	0.09198	0.08432	0.07749	0.07137
11.80	0.16752	0.15079	0.13620	0.12344	0.11223	0.10233	0.09357	0.08577	0.07882	0.07260
12.00	0.17036	0.15334	0.13851	0.12554	0.11413	0.10407	0.09515	0.08723	0.08016	0.07383
12.20	0.17320	0.15590	0.14082	0.12763	0.11603	0.10580	0.09674	0.08868	0.08149	0.07506
12.40	0.17604	0.15845	0.14313	0.12972	0.11794	0.10754	0.09832	0.09013	0.08283	0.07629
12.60	0.17888	0.16101	0.14544	0.13181	0.11984	0.10927	0.09991	0.09159	0.08417	0.07752
12.80	0.18172	0.16356	0.14775	0.13390	0.12174	0.11100	0.10149	0.09304	0.08550	0.07875
13.00	0.18456	0.16612	0.15006	0.13600	0.12364	0.11274	0.10308	0.09450	0.08684	0.07999
13.20	0.18740	0.16868	0.15236	0.13809	0.12554	0.11447	0.10467	0.09595	0.08817	0.08122
13.40	0.19024	0.17123	0.15467	0.14018	0.12745	0.11621	0.10625	0.09740	0.08951	0.08245
13.60	0.19308	0.17379	0.15698	0.14227	0.12935	0.11794	0.10784	0.09886	0.09085	0.08368
13.80	0.19592	0.17634	0.15929	0.14437	0.13125	0.11968	0.10942	0.10031	0.09218	0.08491
14.00	0.19876	0.17890	0.16160	0.14646	0.13315	0.12141	0.11101	0.10176	0.09352	0.08614
14.20	0.20160	0.18145	0.16391	0.14855	0.13505	0.12315	0.11260	0.10322	0.09485	0.08737
14.40	0.20444	0.18401	0.16621	0.15064	0.13696	0.12488	0.11418	0.10467	0.09619	0.08860
14.60	0.20728	0.18657	0.16852	0.15274	0.13886	0.12661	0.11577	0.10613	0.09753	0.08983
14.80	0.21012	0.18912	0.17083	0.15483	0.14076	0.12835	0.11735	0.10758	0.09886	0.09106
15.00	0.21296	0.19168	0.17314	0.15692	0.14266	0.13008	0.11894	0.10903	0.10020	0.09229
15.20	0.21579	0.19423	0.17545	0.15901	0.14457	0.13182	0.12053	0.11049	0.10153	0.09352
15.40	0.21863	0.19679	0.17776	0.16110	0.14647	0.13355	0.12211	0.11194	0.10287	0.09475
15.60	0.22147	0.19934	0.18007	0.16320	0.14837	0.13529	0.12370	0.11339	0.10420	0.09598
15.80	0.22431	0.20190	0.18237	0.16529	0.15027	0.13702	0.12528	0.11485	0.10554	0.09721
16.00	0.22715	0.20445	0.18468	0.16738	0.15217	0.13876	0.12687	0.11630	0.10688	0.09844
16.20	0.22999	0.20701	0.18699	0.16947	0.15408	0.14049	0.12845	0.11776	0.10821	0.09967
16.40	0.23283	0.20957	0.18930	0.17157	0.15598	0.14222	0.13004	0.11921	0.10955	0.10090
16.60	0.23567	0.21212	0.19161	0.17366	0.15788	0.14396	0.13163	0.12066	0.11088	0.10213
16.80	0.23851	0.21468	0.19392	0.17575	0.15978	0.14569	0.13321	0.12212	0.11222	0.10337

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B/BO	B	B	B	B	B	B	B	B	B	B
1.00	0.00568	0.00525	0.00487	0.00452	0.00421	0.00392	0.00366	0.00342	0.00320	0.00300
1.10	0.00625	0.00578	0.00536	0.00497	0.00463	0.00431	0.00402	0.00376	0.00352	0.00330
1.20	0.00682	0.00630	0.00584	0.00543	0.00505	0.00470	0.00439	0.00410	0.00384	0.00360
1.30	0.00738	0.00683	0.00633	0.00588	0.00547	0.00510	0.00476	0.00445	0.00416	0.00390
1.40	0.00795	0.00736	0.00682	0.00633	0.00589	0.00549	0.00512	0.00479	0.00448	0.00420
1.50	0.00852	0.00788	0.00730	0.00678	0.00631	0.00588	0.00549	0.00513	0.00480	0.00450
1.60	0.00909	0.00841	0.00779	0.00724	0.00673	0.00627	0.00585	0.00547	0.00512	0.00480
1.70	0.00966	0.00893	0.00828	0.00769	0.00715	0.00666	0.00622	0.00581	0.00544	0.00510
1.80	0.01022	0.00946	0.00877	0.00814	0.00757	0.00706	0.00659	0.00616	0.00576	0.00540
1.90	0.01079	0.00998	0.00925	0.00859	0.00799	0.00745	0.00695	0.00650	0.00608	0.00570
2.00	0.01136	0.01051	0.00974	0.00904	0.00841	0.00784	0.00732	0.00684	0.00640	0.00600
2.10	0.01193	0.01103	0.01023	0.00950	0.00883	0.00823	0.00768	0.00718	0.00672	0.00630
2.20	0.01250	0.01156	0.01071	0.00995	0.00925	0.00862	0.00805	0.00752	0.00704	0.00660
2.30	0.01306	0.01208	0.01120	0.01040	0.00968	0.00902	0.00841	0.00787	0.00736	0.00690
2.40	0.01363	0.01261	0.01169	0.01085	0.01010	0.00941	0.00878	0.00821	0.00768	0.00720
2.50	0.01420	0.01313	0.01217	0.01130	0.01052	0.00980	0.00915	0.00855	0.00800	0.00750
2.60	0.01477	0.01366	0.01266	0.01176	0.01094	0.01019	0.00951	0.00889	0.00832	0.00780
2.70	0.01534	0.01419	0.01315	0.01221	0.01136	0.01058	0.00988	0.00923	0.00864	0.00810
2.80	0.01590	0.01471	0.01363	0.01266	0.01178	0.01098	0.01024	0.00958	0.00897	0.00840
2.90	0.01647	0.01524	0.01412	0.01311	0.01220	0.01137	0.01061	0.00992	0.00929	0.00871
3.00	0.01704	0.01576	0.01461	0.01357	0.01262	0.01176	0.01098	0.01026	0.00961	0.00901
3.10	0.01761	0.01629	0.01510	0.01402	0.01304	0.01215	0.01134	0.01060	0.00993	0.00931
3.20	0.01817	0.01681	0.01558	0.01447	0.01346	0.01254	0.01171	0.01094	0.01025	0.00961
3.30	0.01874	0.01734	0.01607	0.01492	0.01388	0.01294	0.01207	0.01129	0.01057	0.00991
3.40	0.01931	0.01786	0.01656	0.01537	0.01430	0.01333	0.01244	0.01163	0.01089	0.01021
3.50	0.01988	0.01839	0.01704	0.01583	0.01472	0.01372	0.01281	0.01197	0.01121	0.01051
3.60	0.02045	0.01891	0.01753	0.01628	0.01514	0.01411	0.01317	0.01231	0.01153	0.01081
3.70	0.02101	0.01944	0.01802	0.01673	0.01556	0.01450	0.01354	0.01265	0.01185	0.01111
3.80	0.02158	0.01996	0.01850	0.01718	0.01598	0.01490	0.01390	0.01300	0.01217	0.01141
3.90	0.02215	0.02049	0.01899	0.01764	0.01641	0.01529	0.01427	0.01334	0.01249	0.01171
4.00	0.02272	0.02102	0.01948	0.01809	0.01683	0.01568	0.01463	0.01368	0.01281	0.01201
4.10	0.02329	0.02154	0.01997	0.01854	0.01725	0.01607	0.01500	0.01402	0.01313	0.01231
4.20	0.02385	0.02207	0.02045	0.01899	0.01767	0.01646	0.01537	0.01436	0.01345	0.01261
4.30	0.02442	0.02259	0.02094	0.01944	0.01809	0.01686	0.01573	0.01471	0.01377	0.01291

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
H/BO	B	B	B	B	B	B	B	B	B	B
4.40	0.02499	0.02312	0.02143	0.01990	0.01851	0.01725	0.01610	0.01505	0.01409	0.01321
4.50	0.02556	0.02364	0.02191	0.02035	0.01893	0.01764	0.01646	0.01539	0.01441	0.01351
4.60	0.02613	0.02417	0.02240	0.02080	0.01935	0.01803	0.01683	0.01573	0.01473	0.01381
4.70	0.02669	0.02469	0.02289	0.02125	0.01977	0.01842	0.01720	0.01607	0.01505	0.01411
4.80	0.02726	0.02522	0.02337	0.02171	0.02019	0.01882	0.01756	0.01642	0.01537	0.01441
4.90	0.02783	0.02574	0.02386	0.02216	0.02061	0.01921	0.01793	0.01676	0.01569	0.01471
5.00	0.02840	0.02627	0.02435	0.02261	0.02103	0.01960	0.01829	0.01710	0.01601	0.01501
5.20	0.02953	0.02732	0.02532	0.02351	0.02187	0.02038	0.01902	0.01778	0.01665	0.01561
5.40	0.03067	0.02837	0.02630	0.02442	0.02272	0.02117	0.01976	0.01847	0.01729	0.01621
5.60	0.03181	0.02942	0.02727	0.02532	0.02356	0.02195	0.02049	0.01915	0.01793	0.01681
5.80	0.03294	0.03047	0.02824	0.02623	0.02440	0.02273	0.02122	0.01984	0.01857	0.01741
6.00	0.03408	0.03152	0.02922	0.02713	0.02524	0.02352	0.02195	0.02052	0.01921	0.01801
6.20	0.03521	0.03257	0.03019	0.02804	0.02608	0.02430	0.02268	0.02120	0.01985	0.01861
6.40	0.03635	0.03362	0.03117	0.02894	0.02692	0.02509	0.02341	0.02189	0.02049	0.01921
6.60	0.03749	0.03468	0.03214	0.02984	0.02776	0.02587	0.02415	0.02257	0.02113	0.01981
6.80	0.03862	0.03573	0.03311	0.03075	0.02860	0.02665	0.02488	0.02326	0.02177	0.02041
7.00	0.03976	0.03678	0.03409	0.03165	0.02945	0.02744	0.02561	0.02394	0.02241	0.02101
7.20	0.04089	0.03783	0.03506	0.03256	0.03029	0.02822	0.02634	0.02462	0.02305	0.02161
7.40	0.04203	0.03888	0.03603	0.03346	0.03113	0.02901	0.02707	0.02531	0.02369	0.02221
7.60	0.04317	0.03993	0.03701	0.03437	0.03197	0.02979	0.02781	0.02599	0.02433	0.02281
7.80	0.04430	0.04098	0.03798	0.03527	0.03281	0.03057	0.02854	0.02668	0.02497	0.02341
8.00	0.04544	0.04203	0.03896	0.03618	0.03365	0.03136	0.02927	0.02736	0.02561	0.02401
8.20	0.04657	0.04308	0.03993	0.03708	0.03449	0.03214	0.03000	0.02804	0.02625	0.02461
8.40	0.04771	0.04413	0.04090	0.03798	0.03533	0.03293	0.03073	0.02873	0.02690	0.02521
8.60	0.04884	0.04518	0.04188	0.03889	0.03618	0.03371	0.03146	0.02941	0.02754	0.02582
8.80	0.04998	0.04623	0.04285	0.03979	0.03702	0.03449	0.03220	0.03010	0.02818	0.02642
9.00	0.05112	0.04728	0.04383	0.04070	0.03786	0.03528	0.03293	0.03078	0.02882	0.02702
9.20	0.05225	0.04834	0.04480	0.04160	0.03870	0.03606	0.03366	0.03146	0.02946	0.02762
9.40	0.05339	0.04939	0.04577	0.04251	0.03954	0.03685	0.03439	0.03215	0.03010	0.02822
9.60	0.05452	0.05044	0.04675	0.04341	0.04038	0.03763	0.03512	0.03283	0.03074	0.02882
9.80	0.05566	0.05149	0.04772	0.04431	0.04122	0.03841	0.03585	0.03352	0.03138	0.02942
10.00	0.05680	0.05254	0.04870	0.04522	0.04207	0.03920	0.03659	0.03420	0.03202	0.03002
10.20	0.05793	0.05359	0.04967	0.04612	0.04291	0.03998	0.03732	0.03488	0.03266	0.03062
10.40	0.05907	0.05464	0.05064	0.04703	0.04375	0.04077	0.03805	0.03557	0.03330	0.03122



L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B/80	B	B	B	B	B	B	B	B	B	B
4.40	0.01240	0.01166	0.01097	0.01034	0.00975	0.00921	0.00871	0.00824	0.00781	0.00740
4.50	0.01268	0.01192	0.01122	0.01057	0.00997	0.00942	0.00891	0.00843	0.00799	0.00757
4.60	0.01296	0.01219	0.01147	0.01081	0.01020	0.00963	0.00910	0.00862	0.00816	0.00774
4.70	0.01324	0.01245	0.01172	0.01104	0.01042	0.00984	0.00930	0.00880	0.00834	0.00791
4.80	0.01353	0.01272	0.01197	0.01128	0.01064	0.01005	0.00950	0.00899	0.00852	0.00808
4.90	0.01381	0.01298	0.01222	0.01151	0.01086	0.01026	0.00970	0.00918	0.00870	0.00825
5.00	0.01409	0.01325	0.01247	0.01175	0.01108	0.01047	0.00990	0.00937	0.00887	0.00841
5.20	0.01465	0.01377	0.01296	0.01222	0.01153	0.01089	0.01029	0.00974	0.00923	0.00875
5.40	0.01522	0.01430	0.01346	0.01269	0.01197	0.01130	0.01069	0.01012	0.00958	0.00909
5.60	0.01578	0.01483	0.01396	0.01316	0.01241	0.01172	0.01108	0.01049	0.00994	0.00942
5.80	0.01634	0.01536	0.01446	0.01363	0.01286	0.01214	0.01148	0.01086	0.01029	0.00976
6.00	0.01691	0.01589	0.01496	0.01410	0.01330	0.01256	0.01188	0.01124	0.01065	0.01010
6.20	0.01747	0.01642	0.01546	0.01457	0.01374	0.01298	0.01227	0.01161	0.01100	0.01043
6.40	0.01804	0.01695	0.01596	0.01504	0.01419	0.01340	0.01267	0.01199	0.01136	0.01077
6.60	0.01860	0.01748	0.01646	0.01551	0.01463	0.01382	0.01306	0.01236	0.01171	0.01111
6.80	0.01916	0.01801	0.01695	0.01598	0.01507	0.01423	0.01346	0.01274	0.01207	0.01144
7.00	0.01973	0.01854	0.01745	0.01645	0.01552	0.01465	0.01385	0.01311	0.01242	0.01178
7.20	0.02029	0.01907	0.01795	0.01692	0.01596	0.01507	0.01425	0.01349	0.01278	0.01212
7.40	0.02085	0.01960	0.01845	0.01739	0.01640	0.01549	0.01465	0.01386	0.01313	0.01245
7.60	0.02142	0.02013	0.01895	0.01786	0.01685	0.01591	0.01504	0.01424	0.01349	0.01279
7.80	0.02198	0.02066	0.01945	0.01833	0.01729	0.01633	0.01544	0.01461	0.01384	0.01313
8.00	0.02254	0.02119	0.01995	0.01880	0.01773	0.01675	0.01583	0.01499	0.01420	0.01346
8.20	0.02311	0.02172	0.02044	0.01927	0.01818	0.01717	0.01623	0.01536	0.01455	0.01380
8.40	0.02367	0.02225	0.02094	0.01974	0.01862	0.01758	0.01663	0.01573	0.01491	0.01414
8.60	0.02424	0.02278	0.02144	0.02021	0.01906	0.01800	0.01702	0.01611	0.01526	0.01447
8.80	0.02480	0.02331	0.02194	0.02067	0.01950	0.01842	0.01742	0.01648	0.01562	0.01481
9.00	0.02536	0.02384	0.02244	0.02114	0.01995	0.01884	0.01781	0.01686	0.01597	0.01515
9.20	0.02593	0.02437	0.02294	0.02161	0.02039	0.01926	0.01821	0.01723	0.01633	0.01548
9.40	0.02649	0.02490	0.02344	0.02208	0.02083	0.01968	0.01860	0.01761	0.01668	0.01582
9.60	0.02705	0.02543	0.02393	0.02255	0.02128	0.02010	0.01900	0.01798	0.01704	0.01616
9.80	0.02762	0.02596	0.02443	0.02302	0.02172	0.02051	0.01940	0.01836	0.01739	0.01649
10.00	0.02818	0.02649	0.02493	0.02349	0.02216	0.02093	0.01979	0.01873	0.01775	0.01683
10.20	0.02874	0.02702	0.02543	0.02396	0.02261	0.02135	0.02019	0.01911	0.01810	0.01717
10.40	0.02931	0.02755	0.02593	0.02443	0.02305	0.02177	0.02058	0.01948	0.01846	0.01750

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
B/BU	B	b	B	B	B	B	B	B	B	B
10.60	0.02987	0.02808	0.02643	0.02490	0.02349	0.02219	0.02098	0.01986	0.01881	0.01784
10.80	0.03043	0.02861	0.02693	0.02537	0.02394	0.02261	0.02138	0.02023	0.01917	0.01817
11.00	0.03100	0.02914	0.02743	0.02584	0.02438	0.02303	0.02177	0.02061	0.01952	0.01851
11.20	0.03156	0.02967	0.02792	0.02631	0.02482	0.02345	0.02217	0.02098	0.01988	0.01885
11.40	0.03213	0.03020	0.02842	0.02678	0.02527	0.02386	0.02256	0.02135	0.02023	0.01918
11.60	0.03269	0.03073	0.02892	0.02725	0.02571	0.02428	0.02296	0.02173	0.02059	0.01952
11.80	0.03325	0.03126	0.02942	0.02772	0.02615	0.02470	0.02335	0.02210	0.02094	0.01986
12.00	0.03382	0.03179	0.02992	0.02819	0.02660	0.02512	0.02375	0.02248	0.02130	0.02019
12.20	0.03438	0.03232	0.03042	0.02866	0.02704	0.02554	0.02415	0.02285	0.02165	0.02053
12.40	0.03494	0.03285	0.03092	0.02913	0.02748	0.02596	0.02454	0.02323	0.02201	0.02087
12.60	0.03551	0.03338	0.03141	0.02960	0.02793	0.02638	0.02494	0.02360	0.02236	0.02120
12.80	0.03607	0.03391	0.03191	0.03007	0.02837	0.02679	0.02533	0.02398	0.02272	0.02154
13.00	0.03663	0.03444	0.03241	0.03054	0.02881	0.02721	0.02573	0.02435	0.02307	0.02188
13.20	0.03720	0.03497	0.03291	0.03101	0.02926	0.02763	0.02613	0.02473	0.02343	0.02221
13.40	0.03776	0.03550	0.03341	0.03148	0.02970	0.02805	0.02652	0.02510	0.02378	0.02255
13.60	0.03833	0.03603	0.03391	0.03195	0.03014	0.02847	0.02692	0.02548	0.02413	0.02289
13.80	0.03889	0.03656	0.03441	0.03242	0.03059	0.02889	0.02731	0.02585	0.02449	0.02322
14.00	0.03945	0.03709	0.03491	0.03289	0.03103	0.02931	0.02771	0.02622	0.02484	0.02356
14.20	0.04002	0.03762	0.03540	0.03336	0.03147	0.02973	0.02810	0.02660	0.02520	0.02390
14.40	0.04058	0.03815	0.03590	0.03383	0.03192	0.03014	0.02850	0.02697	0.02555	0.02423
14.60	0.04114	0.03868	0.03640	0.03430	0.03236	0.03056	0.02890	0.02735	0.02591	0.02457
14.80	0.04171	0.03921	0.03690	0.03477	0.03280	0.03098	0.02929	0.02772	0.02626	0.02491
15.00	0.04227	0.03974	0.03740	0.03524	0.03325	0.03140	0.02969	0.02810	0.02662	0.02524
15.20	0.04283	0.04026	0.03790	0.03571	0.03369	0.03182	0.03008	0.02847	0.02697	0.02558
15.40	0.04340	0.04079	0.03840	0.03618	0.03413	0.03224	0.03048	0.02885	0.02733	0.02592
15.60	0.04396	0.04132	0.03889	0.03665	0.03458	0.03266	0.03088	0.02922	0.02768	0.02625
15.80	0.04453	0.04185	0.03939	0.03712	0.03502	0.03308	0.03127	0.02960	0.02804	0.02659
16.00	0.04509	0.04238	0.03989	0.03759	0.03546	0.03349	0.03167	0.02997	0.02839	0.02693
16.20	0.04565	0.04291	0.04039	0.03806	0.03591	0.03391	0.03206	0.03035	0.02875	0.02726
16.40	0.04622	0.04344	0.04089	0.03853	0.03635	0.03433	0.03246	0.03072	0.02910	0.02760
16.60	0.04678	0.04397	0.04139	0.03900	0.03679	0.03475	0.03285	0.03110	0.02946	0.02794
16.80	0.04734	0.04450	0.04189	0.03947	0.03724	0.03517	0.03325	0.03147	0.02981	0.02827

L	5.80	5.90	6.00	6.10	6.20	6.30				
B/BO	B	B	B	B	B	B	B	B	B	B
1.00	0.00160	0.00152	0.00144	0.00137	0.00131	0.00125				
1.10	0.00176	0.00167	0.00159	0.00151	0.00144	0.00137				
1.20	0.00192	0.00182	0.00173	0.00165	0.00157	0.00150				
1.30	0.00208	0.00197	0.00188	0.00178	0.00170	0.00162				
1.40	0.00224	0.00212	0.00202	0.00192	0.00183	0.00174				
1.50	0.00240	0.00228	0.00216	0.00206	0.00196	0.00187				
1.60	0.00256	0.00243	0.00231	0.00220	0.00209	0.00199				
1.70	0.00272	0.00258	0.00245	0.00233	0.00222	0.00212				
1.80	0.00288	0.00273	0.00260	0.00247	0.00235	0.00224				
1.90	0.00303	0.00288	0.00274	0.00261	0.00248	0.00237				
2.00	0.00319	0.00303	0.00289	0.00275	0.00262	0.00249				
2.10	0.00335	0.00319	0.00303	0.00288	0.00275	0.00262				
2.20	0.00351	0.00334	0.00317	0.00302	0.00288	0.00274				
2.30	0.00367	0.00349	0.00332	0.00316	0.00301	0.00287				
2.40	0.00383	0.00364	0.00346	0.00330	0.00314	0.00299				
2.50	0.00399	0.00379	0.00361	0.00343	0.00327	0.00312				
2.60	0.00415	0.00395	0.00375	0.00357	0.00340	0.00324				
2.70	0.00431	0.00410	0.00390	0.00371	0.00353	0.00337				
2.80	0.00447	0.00425	0.00404	0.00384	0.00366	0.00349				
2.90	0.00463	0.00440	0.00418	0.00398	0.00379	0.00361				
3.00	0.00479	0.00455	0.00433	0.00412	0.00392	0.00374				
3.10	0.00495	0.00470	0.00447	0.00426	0.00405	0.00386				
3.20	0.00511	0.00486	0.00462	0.00439	0.00418	0.00399				
3.30	0.00527	0.00501	0.00476	0.00453	0.00432	0.00411				
3.40	0.00543	0.00516	0.00491	0.00467	0.00445	0.00424				
3.50	0.00559	0.00531	0.00505	0.00481	0.00458	0.00436				
3.60	0.00575	0.00546	0.00519	0.00494	0.00471	0.00449				
3.70	0.00591	0.00561	0.00534	0.00508	0.00484	0.00461				
3.80	0.00607	0.00577	0.00548	0.00522	0.00497	0.00474				
3.90	0.00623	0.00592	0.00563	0.00535	0.00510	0.00486				
4.00	0.00639	0.00607	0.00577	0.00549	0.00523	0.00499				
4.10	0.00655	0.00622	0.00592	0.00563	0.00536	0.00511				
4.20	0.00671	0.00637	0.00606	0.00577	0.00549	0.00523				
4.30	0.00687	0.00653	0.00620	0.00590	0.00562	0.00536				

L	5.80	5.90	6.00	6.10	6.20	6.30					
B/BO	B	B	B	B	B	B	B	B	B	B	B
4.40	0.00703	0.00668	0.00635	0.00604	0.00575	0.00548					
4.50	0.00719	0.00683	0.00649	0.00618	0.00588	0.00561					
4.60	0.00735	0.00698	0.00664	0.00632	0.00602	0.00573					
4.70	0.00751	0.00713	0.00678	0.00645	0.00615	0.00586					
4.80	0.00767	0.00728	0.00693	0.00659	0.00628	0.00598					
4.90	0.00783	0.00744	0.00707	0.00673	0.00641	0.00611					
5.00	0.00799	0.00759	0.00721	0.00687	0.00654	0.00623					
5.20	0.00831	0.00789	0.00750	0.00714	0.00680	0.00648					
5.40	0.00863	0.00819	0.00779	0.00741	0.00706	0.00673					
5.60	0.00894	0.00850	0.00808	0.00769	0.00732	0.00698					
5.80	0.00926	0.00880	0.00837	0.00796	0.00758	0.00723					
6.00	0.00958	0.00910	0.00866	0.00824	0.00785	0.00748					
6.20	0.00990	0.00941	0.00895	0.00851	0.00811	0.00773					
6.40	0.01022	0.00971	0.00923	0.00879	0.00837	0.00798					
6.60	0.01054	0.01002	0.00952	0.00906	0.00863	0.00823					
6.80	0.01086	0.01032	0.00981	0.00934	0.00889	0.00848					
7.00	0.01118	0.01062	0.01010	0.00961	0.00915	0.00872					
7.20	0.01150	0.01093	0.01039	0.00989	0.00942	0.00897					
7.40	0.01182	0.01123	0.01068	0.01016	0.00968	0.00922					
7.60	0.01214	0.01153	0.01097	0.01044	0.00994	0.00947					
7.80	0.01246	0.01184	0.01125	0.01071	0.01020	0.00972					
8.00	0.01278	0.01214	0.01154	0.01098	0.01046	0.00997					
8.20	0.01310	0.01244	0.01183	0.01126	0.01072	0.01022					
8.40	0.01342	0.01275	0.01212	0.01153	0.01098	0.01047					
8.60	0.01374	0.01305	0.01241	0.01181	0.01125	0.01072					
8.80	0.01406	0.01335	0.01270	0.01208	0.01151	0.01097					
9.00	0.01438	0.01366	0.01299	0.01236	0.01177	0.01122					
9.20	0.01470	0.01396	0.01327	0.01263	0.01203	0.01147					
9.40	0.01501	0.01426	0.01356	0.01291	0.01229	0.01172					
9.60	0.01533	0.01457	0.01385	0.01318	0.01255	0.01197					
9.80	0.01565	0.01487	0.01414	0.01346	0.01282	0.01221					
10.00	0.01597	0.01517	0.01443	0.01373	0.01308	0.01246					
10.20	0.01629	0.01548	0.01472	0.01400	0.01334	0.01271					
10.40	0.01661	0.01578	0.01501	0.01428	0.01360	0.01296					

L	5.80	5.90	6.00	6.10	6.20	6.30				
B/80	B	B	B	B	B	B	B	B	B	B
10.60	0.01693	0.01608	0.01529	0.01455	0.01386	0.01321				
10.80	0.01725	0.01639	0.01558	0.01483	0.01412	0.01346				
11.00	0.01757	0.01669	0.01587	0.01510	0.01438	0.01371				
11.20	0.01789	0.01700	0.01616	0.01538	0.01465	0.01396				
11.40	0.01821	0.01730	0.01645	0.01565	0.01491	0.01421				
11.60	0.01853	0.01760	0.01674	0.01593	0.01517	0.01446				
11.80	0.01885	0.01791	0.01703	0.01620	0.01543	0.01471				
12.00	0.01917	0.01821	0.01731	0.01648	0.01569	0.01496				
12.20	0.01949	0.01851	0.01760	0.01675	0.01595	0.01521				
12.40	0.01981	0.01882	0.01789	0.01703	0.01622	0.01546				
12.60	0.02013	0.01912	0.01818	0.01730	0.01648	0.01570				
12.80	0.02045	0.01942	0.01847	0.01757	0.01674	0.01595				
13.00	0.02076	0.01973	0.01876	0.01785	0.01700	0.01620				
13.20	0.02108	0.02003	0.01905	0.01812	0.01726	0.01645				
13.40	0.02140	0.02033	0.01933	0.01840	0.01752	0.01670				
13.60	0.02172	0.02064	0.01962	0.01867	0.01778	0.01695				
13.80	0.02204	0.02094	0.01991	0.01895	0.01805	0.01720				
14.00	0.02236	0.02124	0.02020	0.01922	0.01831	0.01745				
14.20	0.02268	0.02155	0.02049	0.01950	0.01857	0.01770				
14.40	0.02300	0.02185	0.02078	0.01977	0.01883	0.01795				
14.60	0.02332	0.02215	0.02107	0.02005	0.01909	0.01820				
14.80	0.02364	0.02246	0.02135	0.02032	0.01935	0.01845				
15.00	0.02396	0.02276	0.02164	0.02060	0.01961	0.01870				
15.20	0.02428	0.02307	0.02193	0.02087	0.01988	0.01894				
15.40	0.02460	0.02337	0.02222	0.02114	0.02014	0.01919				
15.60	0.02492	0.02367	0.02251	0.02142	0.02040	0.01944				
15.80	0.02524	0.02398	0.02280	0.02169	0.02066	0.01969				
16.00	0.02556	0.02428	0.02309	0.02197	0.02092	0.01994				
16.20	0.02588	0.02458	0.02337	0.02224	0.02118	0.02019				
16.40	0.02620	0.02489	0.02366	0.02252	0.02145	0.02044				
16.60	0.02652	0.02519	0.02395	0.02279	0.02171	0.02069				
16.80	0.02683	0.02549	0.02424	0.02307	0.02197	0.02094				

Table 17

Magnetic Field, B, as a Function of  $B_o/B$  and L

$$B(B_o/B, L) = \frac{L^3}{M(B_o/B)}$$

$B_o/B$  No Units

B in Gauss

L in Earth-Radii

M = 0.311653 (Earth-Radii)<sup>3</sup> - Gauss

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
BO/8	B	B	B	B	B	B	B	B	B	B
0.01	23.41495	20.49169	18.03548	15.95663	14.18539	12.66689	11.35762	10.22274	9.23416	8.36905
0.02	11.70748	10.24585	9.01774	7.97832	7.09269	6.33345	5.67881	5.11137	4.61708	4.18453
0.03	7.80498	6.83056	6.01183	5.31888	4.72846	4.22230	3.78587	3.40758	3.07805	2.78968
0.04	5.85374	5.12292	4.50887	3.98916	3.54635	3.16672	2.83940	2.55569	2.30854	2.09226
0.05	4.68299	4.09834	3.60710	3.19133	2.83708	2.53338	2.27152	2.04455	1.84683	1.67381
0.06	3.90249	3.41528	3.00591	2.65944	2.36423	2.11115	1.89294	1.70379	1.53903	1.39484
0.07	3.34499	2.92738	2.57650	2.27952	2.02648	1.80956	1.62252	1.46039	1.31917	1.19558
0.08	2.92687	2.56146	2.25443	1.99458	1.77317	1.58336	1.41970	1.27784	1.15427	1.04613
0.09	2.60166	2.27685	2.00394	1.77296	1.57615	1.40743	1.26196	1.13586	1.02602	0.92989
0.10	2.34150	2.04917	1.80355	1.59566	1.41854	1.26669	1.13576	1.02227	0.92342	0.83691
0.11	2.12863	1.86288	1.63959	1.45060	1.28958	1.15154	1.03251	0.92934	0.83947	0.76082
0.12	1.95125	1.70764	1.50296	1.32972	1.18212	1.05557	0.94647	0.85190	0.76951	0.69742
0.13	1.80115	1.57628	1.38734	1.22743	1.09118	0.97438	0.87366	0.78636	0.71032	0.64377
0.14	1.67250	1.46369	1.28825	1.13976	1.01324	0.90478	0.81126	0.73020	0.65958	0.59779
0.15	1.56100	1.36611	1.20237	1.06378	0.94569	0.84446	0.75717	0.68152	0.61561	0.55794
0.16	1.46343	1.28073	1.12722	0.99729	0.88659	0.79168	0.70985	0.63892	0.57714	0.52307
0.17	1.37735	1.20539	1.06091	0.93863	0.83443	0.74511	0.66810	0.60134	0.54319	0.49230
0.18	1.30083	1.13843	1.00197	0.88648	0.78808	0.70372	0.63098	0.56793	0.51301	0.46495
0.19	1.23237	1.07851	0.94924	0.83982	0.74660	0.66668	0.59777	0.53804	0.48601	0.44048
0.20	1.17075	1.02458	0.90177	0.79783	0.70927	0.63334	0.56788	0.51114	0.46171	0.41845
0.21	1.11500	0.97579	0.85883	0.75984	0.67549	0.60319	0.54084	0.48680	0.43972	0.39853
0.22	1.06432	0.93144	0.81979	0.72530	0.64479	0.57577	0.51626	0.46467	0.41973	0.38041
0.23	1.01804	0.89094	0.78415	0.69377	0.61676	0.55073	0.49381	0.44447	0.40149	0.36387
0.24	0.97562	0.85382	0.75148	0.66486	0.59106	0.52779	0.47323	0.42595	0.38476	0.34871
0.25	0.93660	0.81967	0.72142	0.63827	0.56742	0.50668	0.45430	0.40891	0.36937	0.33476
0.26	0.90058	0.78814	0.69367	0.61372	0.54559	0.48719	0.43683	0.39318	0.35516	0.32189
0.27	0.86722	0.75895	0.66798	0.59099	0.52538	0.46914	0.42065	0.37862	0.34201	0.30996
0.28	0.83625	0.73185	0.64412	0.56988	0.50662	0.45239	0.40563	0.36510	0.32979	0.29889
0.29	0.80741	0.70661	0.62191	0.55023	0.48915	0.43679	0.39164	0.35251	0.31842	0.28859
0.30	0.78050	0.68306	0.60118	0.53189	0.47285	0.42223	0.37859	0.34076	0.30781	0.27897
0.31	0.75532	0.66102	0.58179	0.51473	0.45759	0.40861	0.36637	0.32977	0.29788	0.26997
0.32	0.73172	0.64037	0.56361	0.49864	0.44329	0.39584	0.35493	0.31946	0.28857	0.26153
0.33	0.70954	0.62096	0.54653	0.48353	0.42986	0.38385	0.34417	0.30978	0.27982	0.25361
0.34	0.68868	0.60270	0.53046	0.46931	0.41722	0.37256	0.33405	0.30067	0.27159	0.24615

L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
BQ/B	B	B	B	B	B	B	B	B	B	B
0.35	0.66900	0.58548	0.51530	0.45590	0.40530	0.36191	0.32450	0.29208	0.26383	0.23912
0.36	0.65042	0.56921	0.50099	0.44324	0.39404	0.35186	0.31549	0.28397	0.25650	0.23247
0.37	0.63284	0.55383	0.48745	0.43126	0.38339	0.34235	0.30696	0.27629	0.24957	0.22619
0.38	0.61618	0.53926	0.47462	0.41991	0.37330	0.33334	0.29888	0.26902	0.24300	0.22024
0.39	0.60038	0.52543	0.46245	0.40914	0.36373	0.32479	0.29122	0.26212	0.23677	0.21459
0.40	0.58537	0.51229	0.45089	0.39892	0.35463	0.31667	0.28394	0.25557	0.23085	0.20923
0.41	0.57110	0.49980	0.43989	0.38919	0.34599	0.30895	0.27702	0.24934	0.22522	0.20412
0.42	0.55750	0.48790	0.42942	0.37992	0.33775	0.30159	0.27042	0.24340	0.21986	0.19926
0.43	0.54453	0.47655	0.41943	0.37108	0.32989	0.29458	0.26413	0.23774	0.21475	0.19463
0.44	0.53216	0.46572	0.40990	0.36265	0.32240	0.28788	0.25813	0.23234	0.20987	0.19021
0.45	0.52033	0.45537	0.40079	0.35459	0.31523	0.28149	0.25239	0.22717	0.20520	0.18598
0.46	0.50902	0.44547	0.39208	0.34688	0.30838	0.27537	0.24690	0.22223	0.20074	0.18194
0.47	0.49819	0.43599	0.38373	0.33950	0.30182	0.26951	0.24165	0.21751	0.19647	0.17806
0.48	0.48781	0.42691	0.37574	0.33243	0.29553	0.26389	0.23662	0.21297	0.19238	0.17436
0.49	0.47786	0.41820	0.36807	0.32565	0.28950	0.25851	0.23179	0.20863	0.18845	0.17080
0.50	0.46830	0.40983	0.36071	0.31913	0.28371	0.25334	0.22715	0.20445	0.18468	0.16738
0.51	0.45912	0.40180	0.35364	0.31288	0.27814	0.24837	0.22270	0.20045	0.18106	0.16410
0.52	0.45029	0.39407	0.34684	0.30686	0.27280	0.24359	0.21842	0.19659	0.17758	0.16094
0.53	0.44179	0.38664	0.34029	0.30107	0.26765	0.23900	0.21429	0.19288	0.17423	0.15791
0.54	0.43361	0.37948	0.33399	0.29549	0.26269	0.23457	0.21033	0.18931	0.17100	0.15498
0.55	0.42573	0.37258	0.32792	0.29012	0.25792	0.23031	0.20650	0.18587	0.16789	0.15216
0.56	0.41812	0.36592	0.32206	0.28494	0.25331	0.22619	0.20281	0.18255	0.16490	0.14945
0.57	0.41079	0.35950	0.31641	0.27994	0.24887	0.22223	0.19926	0.17935	0.16200	0.14683
0.58	0.40371	0.35331	0.31096	0.27511	0.24458	0.21839	0.19582	0.17625	0.15921	0.14429
0.59	0.39686	0.34732	0.30569	0.27045	0.24043	0.21469	0.19250	0.17327	0.15651	0.14185
0.60	0.39025	0.34153	0.30059	0.26594	0.23642	0.21111	0.18929	0.17038	0.15390	0.13948
0.61	0.38385	0.33593	0.29566	0.26158	0.23255	0.20765	0.18619	0.16759	0.15138	0.13720
0.62	0.37766	0.33051	0.29089	0.25737	0.22880	0.20430	0.18319	0.16488	0.14894	0.13498
0.63	0.37167	0.32526	0.28628	0.25328	0.22516	0.20106	0.18028	0.16227	0.14657	0.13284
0.64	0.36586	0.32018	0.28180	0.24932	0.22165	0.19792	0.17746	0.15973	0.14428	0.13077
0.65	0.36023	0.31526	0.27747	0.24549	0.21824	0.19488	0.17473	0.15727	0.14206	0.12875
0.66	0.35477	0.31048	0.27326	0.24177	0.21493	0.19192	0.17209	0.15489	0.13991	0.12680
0.67	0.34948	0.30585	0.26919	0.23816	0.21172	0.18906	0.16952	0.15258	0.13782	0.12491
0.68	0.34434	0.30135	0.26523	0.23466	0.20861	0.18628	0.16702	0.15033	0.13580	0.12307



L	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.55
B0/B	B	B	B	B	B	B	B	B	B	B
0.69	0.33935	0.29698	0.26138	0.23126	0.20559	0.18358	0.16460	0.14816	0.13383	0.12129
0.70	0.33450	0.29274	0.25765	0.22795	0.20265	0.18096	0.16225	0.14604	0.13192	0.11956
0.71	0.32979	0.28862	0.25402	0.22474	0.19979	0.17841	0.15997	0.14398	0.13006	0.11787
0.72	0.32521	0.28461	0.25049	0.22162	0.19702	0.17593	0.15774	0.14198	0.12825	0.11624
0.73	0.32075	0.28071	0.24706	0.21858	0.19432	0.17352	0.15558	0.14004	0.12650	0.11464
0.74	0.31642	0.27691	0.24372	0.21563	0.19169	0.17117	0.15348	0.13815	0.12479	0.11310
0.75	0.31220	0.27322	0.24047	0.21276	0.18914	0.16889	0.15143	0.13630	0.12312	0.11159
0.76	0.30809	0.26963	0.23731	0.20996	0.18665	0.16667	0.14944	0.13451	0.12150	0.11012
0.77	0.30409	0.26613	0.23423	0.20723	0.18423	0.16451	0.14750	0.13276	0.11992	0.10869
0.78	0.30019	0.26271	0.23122	0.20457	0.18186	0.16240	0.14561	0.13106	0.11839	0.10730
0.79	0.29639	0.25939	0.22830	0.20198	0.17956	0.16034	0.14377	0.12940	0.11689	0.10594
0.80	0.29269	0.25615	0.22544	0.19946	0.17732	0.15834	0.14197	0.12778	0.11543	0.10461
0.81	0.28907	0.25298	0.22266	0.19700	0.17513	0.15638	0.14022	0.12621	0.11400	0.10332
0.82	0.28555	0.24990	0.21994	0.19459	0.17299	0.15447	0.13851	0.12467	0.11261	0.10206
0.83	0.28211	0.24689	0.21729	0.19225	0.17091	0.15261	0.13684	0.12317	0.11125	0.10083
0.84	0.27875	0.24395	0.21471	0.18996	0.16887	0.15080	0.13521	0.12170	0.10993	0.09963
0.85	0.27547	0.24108	0.21218	0.18773	0.16689	0.14902	0.13362	0.12027	0.10864	0.09846
0.86	0.27227	0.23828	0.20971	0.18554	0.16495	0.14729	0.13207	0.11887	0.10737	0.09731
0.87	0.26914	0.23554	0.20730	0.18341	0.16305	0.14560	0.13055	0.11750	0.10614	0.09620
0.88	0.26608	0.23286	0.20495	0.18133	0.16120	0.14394	0.12906	0.11617	0.10493	0.09510
0.89	0.26309	0.23024	0.20265	0.17929	0.15939	0.14232	0.12761	0.11486	0.10375	0.09403
0.90	0.26017	0.22769	0.20039	0.17730	0.15762	0.14074	0.12620	0.11359	0.10260	0.09299
0.91	0.25731	0.22518	0.19819	0.17535	0.15588	0.13920	0.12481	0.11234	0.10147	0.09197
0.92	0.25451	0.22274	0.19604	0.17344	0.15419	0.13768	0.12345	0.11112	0.10037	0.09097
0.93	0.25177	0.22034	0.19393	0.17158	0.15253	0.13620	0.12212	0.10992	0.09929	0.08999
0.94	0.24910	0.21800	0.19187	0.16975	0.15091	0.13475	0.12083	0.10875	0.09824	0.08903
0.95	0.24647	0.21570	0.18985	0.16796	0.14932	0.13334	0.11955	0.10761	0.09720	0.08810
0.96	0.24391	0.21346	0.18787	0.16621	0.14776	0.13195	0.11831	0.10649	0.09619	0.08718
0.97	0.24139	0.21125	0.18593	0.16450	0.14624	0.13059	0.11709	0.10539	0.09520	0.08628
0.98	0.23893	0.20910	0.18404	0.16282	0.14475	0.12925	0.11589	0.10431	0.09423	0.08540
0.99	0.23651	0.20699	0.18218	0.16118	0.14329	0.12795	0.11472	0.10326	0.09327	0.08454
1.00	0.23415	0.20492	0.18035	0.15957	0.14185	0.12667	0.11358	0.10223	0.09234	0.08369

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
BO/B	B	B	B	B	B	B	B	B	B	B
0.01	7.60872	6.93776	6.34344	5.81510	5.34384	4.92216	4.54371	4.20308	3.89566	3.61751
0.02	3.80436	3.46888	3.17172	2.90755	2.67192	2.46108	2.27185	2.10154	1.94783	1.80876
0.03	2.53624	2.31259	2.11448	1.93837	1.78128	1.64072	1.51457	1.40103	1.29855	1.20584
0.04	1.90218	1.73444	1.58586	1.45377	1.33596	1.23054	1.13593	1.05077	0.97392	0.90438
0.05	1.52174	1.38755	1.26869	1.16302	1.06877	0.98443	0.90874	0.84062	0.77913	0.72350
0.06	1.26812	1.15629	1.05724	0.96918	0.89064	0.82036	0.75728	0.70051	0.64928	0.60292
0.07	1.08696	0.99111	0.90621	0.83073	0.76341	0.70317	0.64910	0.60044	0.55652	0.51679
0.08	0.95109	0.86722	0.79293	0.72689	0.66798	0.61527	0.56796	0.52538	0.48696	0.45219
0.09	0.84541	0.77086	0.70483	0.64612	0.59376	0.54691	0.50486	0.46701	0.43285	0.40195
0.10	0.76087	0.69378	0.63434	0.58151	0.53438	0.49222	0.45437	0.42031	0.38957	0.36175
0.11	0.69170	0.63071	0.57668	0.52865	0.48580	0.44747	0.41306	0.38210	0.35415	0.32886
0.12	0.63406	0.57815	0.52862	0.48459	0.44532	0.41018	0.37864	0.35026	0.32464	0.30146
0.13	0.58529	0.53367	0.48796	0.44732	0.41106	0.37863	0.34952	0.32331	0.29967	0.27827
0.14	0.54348	0.49555	0.45310	0.41536	0.38170	0.35158	0.32455	0.30022	0.27826	0.25839
0.15	0.50725	0.46252	0.42290	0.38767	0.35626	0.32814	0.30291	0.28021	0.25971	0.24117
0.16	0.47554	0.43361	0.39646	0.36344	0.33399	0.30764	0.28398	0.26269	0.24348	0.22609
0.17	0.44757	0.40810	0.37314	0.34206	0.31434	0.28954	0.26728	0.24724	0.22916	0.21279
0.18	0.42271	0.38543	0.35241	0.32306	0.29688	0.27345	0.25243	0.23350	0.21643	0.20097
0.19	0.40046	0.36515	0.33387	0.30606	0.28125	0.25906	0.23914	0.22121	0.20503	0.19040
0.20	0.38044	0.34689	0.31717	0.29075	0.26719	0.24611	0.22719	0.21015	0.19478	0.18088
0.21	0.36232	0.33037	0.30207	0.27691	0.25447	0.23439	0.21637	0.20015	0.18551	0.17226
0.22	0.34585	0.31535	0.28834	0.26432	0.24290	0.22373	0.20653	0.19105	0.17708	0.16443
0.23	0.33081	0.30164	0.27580	0.25283	0.23234	0.21401	0.19755	0.18274	0.16938	0.15728
0.24	0.31703	0.28907	0.26431	0.24230	0.22266	0.20509	0.18932	0.17513	0.16232	0.15073
0.25	0.30435	0.27751	0.25374	0.23260	0.21375	0.19689	0.18175	0.16812	0.15583	0.14470
0.26	0.29264	0.26684	0.24398	0.22366	0.20553	0.18931	0.17476	0.16166	0.14983	0.13914
0.27	0.28180	0.25695	0.23494	0.21537	0.19792	0.18230	0.16829	0.15567	0.14428	0.13398
0.28	0.27174	0.24778	0.22655	0.20768	0.19085	0.17579	0.16228	0.15011	0.13913	0.12920
0.29	0.26237	0.23923	0.21874	0.20052	0.18427	0.16973	0.15668	0.14493	0.13433	0.12474
0.30	0.25362	0.23126	0.21145	0.19384	0.17813	0.16407	0.15146	0.14010	0.12986	0.12058
0.31	0.24544	0.22380	0.20463	0.18758	0.17238	0.15878	0.14657	0.13558	0.12567	0.11669
0.32	0.23777	0.21681	0.19823	0.18172	0.16700	0.15382	0.14199	0.13135	0.12174	0.11305
0.33	0.23057	0.21024	0.19223	0.17622	0.16193	0.14916	0.13769	0.12737	0.11805	0.10962
0.34	0.22379	0.20405	0.18657	0.17103	0.15717	0.14477	0.13364	0.12362	0.11458	0.10640

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
BO/B	B	B	B	B	B	B	B	B	B	B
0.35	0.21739	0.19822	0.18124	0.16615	0.15268	0.14063	0.12982	0.12009	0.11130	0.10336
0.36	0.21135	0.19272	0.17621	0.16153	0.14844	0.13673	0.12621	0.11675	0.10821	0.10049
0.37	0.20564	0.18751	0.17144	0.15716	0.14443	0.13303	0.12280	0.11360	0.10529	0.09777
0.38	0.20023	0.18257	0.16693	0.15303	0.14063	0.12953	0.11957	0.11061	0.10252	0.09520
0.39	0.19510	0.17789	0.16265	0.14911	0.13702	0.12621	0.11651	0.10777	0.09989	0.09276
0.40	0.19022	0.17344	0.15859	0.14538	0.13360	0.12305	0.11359	0.10508	0.09739	0.09044
0.41	0.18558	0.16921	0.15472	0.14183	0.13034	0.12005	0.11082	0.10251	0.09502	0.08823
0.42	0.18116	0.16518	0.15103	0.13845	0.12723	0.11719	0.10818	0.10007	0.09275	0.08613
0.43	0.17695	0.16134	0.14752	0.13523	0.12428	0.11447	0.10567	0.09775	0.09060	0.08413
0.44	0.17293	0.15768	0.14417	0.13216	0.12145	0.11187	0.10327	0.09552	0.08854	0.08222
0.45	0.16908	0.15417	0.14097	0.12922	0.11875	0.10938	0.10097	0.09340	0.08657	0.08039
0.46	0.16541	0.15082	0.13790	0.12642	0.11617	0.10700	0.09878	0.09137	0.08469	0.07864
0.47	0.16189	0.14761	0.13497	0.12373	0.11370	0.10473	0.09667	0.08943	0.08289	0.07697
0.48	0.15851	0.14454	0.13215	0.12115	0.11133	0.10255	0.09466	0.08756	0.08116	0.07536
0.49	0.15528	0.14159	0.12946	0.11868	0.10906	0.10045	0.09273	0.08578	0.07950	0.07383
0.50	0.15217	0.13876	0.12687	0.11630	0.10688	0.09844	0.09087	0.08406	0.07791	0.07235
0.51	0.14919	0.13603	0.12438	0.11402	0.10478	0.09651	0.08909	0.08241	0.07639	0.07093
0.52	0.14632	0.13342	0.12199	0.11183	0.10277	0.09466	0.08738	0.08083	0.07492	0.06957
0.53	0.14356	0.13090	0.11969	0.10972	0.10083	0.09287	0.08573	0.07930	0.07350	0.06825
0.54	0.14090	0.12848	0.11747	0.10769	0.09896	0.09115	0.08414	0.07783	0.07214	0.06699
0.55	0.13834	0.12614	0.11534	0.10573	0.09716	0.08949	0.08261	0.07642	0.07083	0.06577
0.56	0.13587	0.12389	0.11328	0.10384	0.09543	0.08790	0.08114	0.07505	0.06957	0.06460
0.57	0.13349	0.12172	0.11129	0.10202	0.09375	0.08635	0.07971	0.07374	0.06834	0.06347
0.58	0.13118	0.11962	0.10937	0.10026	0.09214	0.08486	0.07834	0.07247	0.06717	0.06237
0.59	0.12896	0.11759	0.10752	0.09856	0.09057	0.08343	0.07701	0.07124	0.06603	0.06131
0.60	0.12681	0.11563	0.10572	0.09692	0.08906	0.08204	0.07573	0.07005	0.06493	0.06029
0.61	0.12473	0.11373	0.10399	0.09533	0.08760	0.08069	0.07449	0.06890	0.06386	0.05930
0.62	0.12272	0.11190	0.10231	0.09379	0.08619	0.07939	0.07329	0.06779	0.06283	0.05835
0.63	0.12077	0.11012	0.10069	0.09230	0.08482	0.07813	0.07212	0.06672	0.06184	0.05742
0.64	0.11889	0.10840	0.09912	0.09086	0.08350	0.07691	0.07100	0.06567	0.06087	0.05652
0.65	0.11706	0.10673	0.09759	0.08946	0.08221	0.07573	0.06990	0.06466	0.05993	0.05565
0.66	0.11528	0.10512	0.09611	0.08811	0.08097	0.07458	0.06884	0.06368	0.05903	0.05481
0.67	0.11356	0.10355	0.09468	0.08679	0.07976	0.07347	0.06782	0.06273	0.05814	0.05399
0.68	0.11189	0.10203	0.09329	0.08552	0.07859	0.07238	0.06682	0.06181	0.05729	0.05320

L	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
B0/B	B	B	B	B	B	B	B	B	B	B
0.69	0.11027	0.10055	0.09193	0.08428	0.07745	0.07134	0.06585	0.06091	0.05646	0.05243
0.70	0.10870	0.09911	0.09062	0.08307	0.07634	0.07032	0.06491	0.06004	0.05565	0.05168
0.71	0.10717	0.09771	0.08934	0.08190	0.07527	0.06933	0.06400	0.05920	0.05487	0.05095
0.72	0.10568	0.09636	0.08810	0.08077	0.07422	0.06836	0.06311	0.05838	0.05411	0.05024
0.73	0.10423	0.09504	0.08690	0.07966	0.07320	0.06743	0.06224	0.05758	0.05337	0.04955
0.74	0.10282	0.09375	0.08572	0.07858	0.07221	0.06652	0.06140	0.05680	0.05264	0.04889
0.75	0.10145	0.09250	0.08458	0.07753	0.07125	0.06563	0.06058	0.05604	0.05194	0.04823
0.76	0.10011	0.09129	0.08347	0.07651	0.07031	0.06477	0.05979	0.05530	0.05126	0.04760
0.77	0.09881	0.09010	0.08238	0.07552	0.06940	0.06392	0.05901	0.05459	0.05059	0.04698
0.78	0.09755	0.08895	0.08133	0.07455	0.06851	0.06310	0.05825	0.05389	0.04994	0.04638
0.79	0.09631	0.08782	0.08030	0.07361	0.06764	0.06231	0.05752	0.05320	0.04931	0.04579
0.80	0.09511	0.08672	0.07929	0.07269	0.06680	0.06153	0.05680	0.05254	0.04870	0.04522
0.81	0.09393	0.08565	0.07831	0.07179	0.06597	0.06077	0.05610	0.05189	0.04809	0.04466
0.82	0.09279	0.08461	0.07736	0.07092	0.06517	0.06003	0.05541	0.05126	0.04751	0.04412
0.83	0.09167	0.08359	0.07643	0.07006	0.06438	0.05930	0.05474	0.05064	0.04694	0.04358
0.84	0.09058	0.08259	0.07552	0.06923	0.06362	0.05860	0.05409	0.05004	0.04638	0.04307
0.85	0.08951	0.08162	0.07463	0.06841	0.06287	0.05791	0.05346	0.04945	0.04583	0.04256
0.86	0.08847	0.08067	0.07376	0.06762	0.06214	0.05723	0.05283	0.04887	0.04530	0.04206
0.87	0.08746	0.07974	0.07291	0.06684	0.06142	0.05658	0.05223	0.04831	0.04478	0.04158
0.88	0.08646	0.07884	0.07208	0.06608	0.06073	0.05593	0.05163	0.04776	0.04427	0.04111
0.89	0.08549	0.07795	0.07127	0.06534	0.06004	0.05531	0.05105	0.04723	0.04377	0.04065
0.90	0.08454	0.07709	0.07048	0.06461	0.05938	0.05469	0.05049	0.04670	0.04329	0.04019
0.91	0.08361	0.07624	0.06971	0.06390	0.05872	0.05409	0.04993	0.04619	0.04281	0.03975
0.92	0.08270	0.07541	0.06895	0.06321	0.05809	0.05350	0.04939	0.04569	0.04234	0.03932
0.93	0.08181	0.07460	0.06821	0.06253	0.05746	0.05293	0.04886	0.04519	0.04189	0.03890
0.94	0.08094	0.07381	0.06748	0.06186	0.05685	0.05236	0.04834	0.04471	0.04144	0.03848
0.95	0.08009	0.07303	0.06677	0.06121	0.05625	0.05181	0.04783	0.04424	0.04101	0.03808
0.96	0.07926	0.07227	0.06608	0.06057	0.05567	0.05127	0.04733	0.04378	0.04058	0.03768
0.97	0.07844	0.07152	0.06540	0.05995	0.05509	0.05074	0.04684	0.04333	0.04016	0.03729
0.98	0.07764	0.07079	0.06473	0.05934	0.05453	0.05023	0.04636	0.04289	0.03975	0.03691
0.99	0.07686	0.07008	0.06408	0.05874	0.05398	0.04972	0.04590	0.04246	0.03935	0.03654
1.00	0.07609	0.06938	0.06343	0.05815	0.05344	0.04922	0.04544	0.04203	0.03896	0.03618

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
BO/B	B	B	B	B	B	B	B	B	B	B
0.01	3.36522	3.13585	2.92687	2.73605	2.56146	2.40142	2.25443	1.99458	1.77317	1.58336
0.02	1.68261	1.56793	1.46343	1.36802	1.28073	1.20071	1.12722	0.99729	0.88659	0.79168
0.03	1.12174	1.04528	0.97562	0.91202	0.85382	0.80047	0.75148	0.66486	0.59106	0.52779
0.04	0.84130	0.78396	0.73172	0.68401	0.64037	0.60035	0.56361	0.49864	0.44329	0.39584
0.05	0.67304	0.62717	0.58537	0.54721	0.51229	0.48028	0.45089	0.39892	0.35463	0.31667
0.06	0.56087	0.52264	0.48781	0.45601	0.42691	0.40024	0.37574	0.33243	0.29553	0.26389
0.07	0.48075	0.44798	0.41812	0.39086	0.36592	0.34306	0.32206	0.28494	0.25331	0.22619
0.08	0.42065	0.39198	0.36586	0.34201	0.32018	0.30018	0.28180	0.24932	0.22165	0.19792
0.09	0.37391	0.34843	0.32521	0.30401	0.28461	0.26682	0.25049	0.22162	0.19702	0.17593
0.10	0.33652	0.31359	0.29269	0.27360	0.25615	0.24014	0.22544	0.19946	0.17732	0.15834
0.11	0.30593	0.28508	0.26608	0.24873	0.23286	0.21831	0.20495	0.18133	0.16120	0.14394
0.12	0.28043	0.26132	0.24391	0.22800	0.21346	0.20012	0.18787	0.16621	0.14776	0.13195
0.13	0.25886	0.24122	0.22514	0.21047	0.19704	0.18472	0.17342	0.15343	0.13640	0.12180
0.14	0.24037	0.22399	0.20906	0.19543	0.18296	0.17153	0.16103	0.14247	0.12666	0.11310
0.15	0.22435	0.20906	0.19512	0.18240	0.17076	0.16009	0.15030	0.13297	0.11821	0.10556
0.16	0.21033	0.19599	0.18293	0.17100	0.16009	0.15009	0.14090	0.12466	0.11082	0.09896
0.17	0.19795	0.18446	0.17217	0.16094	0.15067	0.14126	0.13261	0.11733	0.10430	0.09314
0.18	0.18696	0.17421	0.16260	0.15200	0.14230	0.13341	0.12525	0.11081	0.09851	0.08796
0.19	0.17712	0.16504	0.15405	0.14400	0.13481	0.12639	0.11865	0.10498	0.09332	0.08333
0.20	0.16826	0.15679	0.14634	0.13680	0.12807	0.12007	0.11272	0.09973	0.08866	0.07917
0.21	0.16025	0.14933	0.13937	0.13029	0.12197	0.11435	0.10735	0.09498	0.08444	0.07540
0.22	0.15296	0.14254	0.13304	0.12437	0.11643	0.10916	0.10247	0.09066	0.08060	0.07197
0.23	0.14631	0.13634	0.12726	0.11896	0.11137	0.10441	0.09802	0.08672	0.07709	0.06884
0.24	0.14022	0.13066	0.12195	0.11400	0.10673	0.10006	0.09393	0.08311	0.07388	0.06597
0.25	0.13461	0.12543	0.11707	0.10944	0.10246	0.09606	0.09018	0.07978	0.07093	0.06333
0.26	0.12943	0.12061	0.11257	0.10523	0.09852	0.09236	0.08671	0.07671	0.06820	0.06090
0.27	0.12464	0.11614	0.10840	0.10134	0.09487	0.08894	0.08350	0.07387	0.06567	0.05864
0.28	0.12019	0.11199	0.10453	0.09772	0.09148	0.08576	0.08052	0.07123	0.06333	0.05655
0.29	0.11604	0.10813	0.10093	0.09435	0.08833	0.08281	0.07774	0.06878	0.06114	0.05460
0.30	0.11217	0.10453	0.09756	0.09120	0.08538	0.08005	0.07515	0.06649	0.05911	0.05278
0.31	0.10856	0.10116	0.09442	0.08826	0.08263	0.07747	0.07272	0.06434	0.05720	0.05108
0.32	0.10516	0.09800	0.09146	0.08550	0.08005	0.07504	0.07045	0.06233	0.05541	0.04948
0.33	0.10198	0.09503	0.08869	0.08291	0.07762	0.07277	0.06832	0.06044	0.05373	0.04798
0.34	0.09898	0.09223	0.08603	0.08047	0.07534	0.07063	0.06631	0.05856	0.05215	0.04657

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
BO/B	B	B	B	B	B	B	B	B	B	B
0.35	0.09615	0.08960	0.08362	0.07817	0.07318	0.06861	0.06441	0.05699	0.05066	0.04524
0.36	0.09348	0.08711	0.08130	0.07600	0.07115	0.06671	0.06262	0.05540	0.04925	0.04398
0.37	0.09095	0.08475	0.07910	0.07395	0.06923	0.06490	0.06093	0.05391	0.04792	0.04279
0.38	0.08856	0.08252	0.07702	0.07200	0.06741	0.06320	0.05933	0.05249	0.04666	0.04167
0.39	0.08629	0.08041	0.07505	0.07016	0.06568	0.06157	0.05781	0.05114	0.04547	0.04060
0.40	0.08413	0.07840	0.07317	0.06840	0.06404	0.06004	0.05636	0.04986	0.04433	0.03958
0.41	0.08208	0.07648	0.07139	0.06673	0.06247	0.05857	0.05499	0.04865	0.04325	0.03862
0.42	0.08012	0.07466	0.06969	0.06514	0.06099	0.05718	0.05368	0.04749	0.04222	0.03770
0.43	0.07826	0.07293	0.06807	0.06363	0.05957	0.05585	0.05243	0.04639	0.04124	0.03682
0.44	0.07648	0.07127	0.06652	0.06218	0.05822	0.05458	0.05124	0.04533	0.04030	0.03599
0.45	0.07478	0.06969	0.06504	0.06080	0.05692	0.05336	0.05010	0.04432	0.03940	0.03519
0.46	0.07316	0.06817	0.06363	0.05948	0.05568	0.05220	0.04901	0.04336	0.03855	0.03442
0.47	0.07160	0.06672	0.06227	0.05821	0.05450	0.05109	0.04797	0.04244	0.03773	0.03369
0.48	0.07011	0.06533	0.06098	0.05700	0.05336	0.05003	0.04697	0.04155	0.03694	0.03299
0.49	0.06868	0.06400	0.05973	0.05584	0.05227	0.04901	0.04601	0.04071	0.03619	0.03231
0.50	0.06730	0.06272	0.05854	0.05472	0.05123	0.04803	0.04509	0.03989	0.03546	0.03167
0.51	0.06598	0.06149	0.05739	0.05365	0.05022	0.04709	0.04420	0.03911	0.03477	0.03105
0.52	0.06472	0.06030	0.05629	0.05262	0.04926	0.04618	0.04335	0.03836	0.03410	0.03045
0.53	0.06349	0.05917	0.05522	0.05162	0.04833	0.04531	0.04254	0.03763	0.03346	0.02987
0.54	0.06232	0.05807	0.05420	0.05067	0.04743	0.04447	0.04175	0.03694	0.03284	0.02932
0.55	0.06119	0.05702	0.05322	0.04975	0.04657	0.04366	0.04099	0.03627	0.03224	0.02879
0.56	0.06009	0.05600	0.05227	0.04886	0.04574	0.04288	0.04026	0.03562	0.03166	0.02827
0.57	0.05904	0.05501	0.05135	0.04800	0.04494	0.04213	0.03955	0.03499	0.03111	0.02778
0.58	0.05802	0.05407	0.05046	0.04717	0.04416	0.04140	0.03887	0.03439	0.03057	0.02730
0.59	0.05704	0.05315	0.04961	0.04637	0.04341	0.04070	0.03821	0.03381	0.03005	0.02684
0.60	0.05609	0.05226	0.04878	0.04560	0.04269	0.04002	0.03757	0.03324	0.02955	0.02639
0.61	0.05517	0.05141	0.04798	0.04485	0.04199	0.03937	0.03696	0.03270	0.02907	0.02596
0.62	0.05428	0.05058	0.04721	0.04413	0.04131	0.03873	0.03636	0.03217	0.02860	0.02554
0.63	0.05342	0.04978	0.04646	0.04343	0.04066	0.03812	0.03578	0.03166	0.02815	0.02513
0.64	0.05258	0.04900	0.04573	0.04275	0.04002	0.03752	0.03523	0.03117	0.02771	0.02474
0.65	0.05177	0.04824	0.04503	0.04209	0.03941	0.03694	0.03468	0.03069	0.02728	0.02436
0.66	0.05099	0.04751	0.04435	0.04146	0.03881	0.03639	0.03416	0.03022	0.02687	0.02399
0.67	0.05023	0.04680	0.04368	0.04084	0.03823	0.03584	0.03365	0.02977	0.02647	0.02363
0.68	0.04949	0.04612	0.04304	0.04024	0.03767	0.03531	0.03315	0.02933	0.02608	0.02328

L	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.50	2.60	2.70
B0/B	B	B	B	B	B	B	B	B	B	B
0.69	0.04877	0.04545	0.04242	0.03965	0.03712	0.03480	0.03267	0.02891	0.02570	0.02295
0.70	0.04807	0.04480	0.04181	0.03909	0.03659	0.03431	0.03221	0.02849	0.02533	0.02262
0.71	0.04740	0.04417	0.04122	0.03854	0.03608	0.03382	0.03175	0.02809	0.02497	0.02230
0.72	0.04674	0.04355	0.04065	0.03800	0.03558	0.03335	0.03131	0.02770	0.02463	0.02199
0.73	0.04610	0.04296	0.04009	0.03748	0.03509	0.03290	0.03088	0.02732	0.02429	0.02169
0.74	0.04548	0.04238	0.03955	0.03697	0.03461	0.03245	0.03047	0.02695	0.02396	0.02140
0.75	0.04487	0.04181	0.03902	0.03648	0.03415	0.03202	0.03006	0.02659	0.02364	0.02111
0.76	0.04428	0.04126	0.03851	0.03600	0.03370	0.03160	0.02966	0.02624	0.02333	0.02083
0.77	0.04370	0.04073	0.03801	0.03553	0.03327	0.03119	0.02928	0.02590	0.02303	0.02056
0.78	0.04314	0.04020	0.03752	0.03508	0.03284	0.03079	0.02890	0.02557	0.02273	0.02030
0.79	0.04260	0.03969	0.03705	0.03463	0.03242	0.03040	0.02854	0.02525	0.02245	0.02004
0.80	0.04207	0.03920	0.03659	0.03420	0.03202	0.03002	0.02818	0.02493	0.02216	0.01979
0.81	0.04155	0.03871	0.03613	0.03378	0.03162	0.02965	0.02783	0.02462	0.02189	0.01955
0.82	0.04104	0.03824	0.03569	0.03337	0.03124	0.02929	0.02749	0.02432	0.02162	0.01931
0.83	0.04054	0.03778	0.03526	0.03296	0.03086	0.02893	0.02716	0.02403	0.02136	0.01908
0.84	0.04006	0.03733	0.03484	0.03257	0.03049	0.02859	0.02684	0.02374	0.02111	0.01885
0.85	0.03959	0.03689	0.03443	0.03219	0.03013	0.02825	0.02652	0.02347	0.02086	0.01863
0.86	0.03913	0.03646	0.03403	0.03181	0.02978	0.02792	0.02621	0.02319	0.02062	0.01841
0.87	0.03868	0.03604	0.03364	0.03145	0.02944	0.02760	0.02591	0.02293	0.02038	0.01820
0.88	0.03824	0.03563	0.03326	0.03109	0.02911	0.02729	0.02562	0.02267	0.02015	0.01799
0.89	0.03781	0.03523	0.03289	0.03074	0.02878	0.02698	0.02533	0.02241	0.01992	0.01779
0.90	0.03739	0.03484	0.03252	0.03040	0.02846	0.02668	0.02505	0.02216	0.01970	0.01759
0.91	0.03698	0.03446	0.03216	0.03007	0.02815	0.02639	0.02477	0.02192	0.01949	0.01740
0.92	0.03658	0.03409	0.03181	0.02974	0.02784	0.02610	0.02450	0.02168	0.01927	0.01721
0.93	0.03619	0.03372	0.03147	0.02942	0.02754	0.02582	0.02424	0.02145	0.01907	0.01703
0.94	0.03580	0.03336	0.03114	0.02911	0.02725	0.02555	0.02398	0.02122	0.01886	0.01684
0.95	0.03542	0.03301	0.03081	0.02880	0.02696	0.02528	0.02373	0.02100	0.01866	0.01667
0.96	0.03505	0.03267	0.03049	0.02850	0.02668	0.02501	0.02348	0.02078	0.01847	0.01649
0.97	0.03469	0.03233	0.03017	0.02821	0.02641	0.02476	0.02324	0.02056	0.01828	0.01632
0.98	0.03434	0.03200	0.02987	0.02792	0.02614	0.02450	0.02300	0.02035	0.01809	0.01616
0.99	0.03399	0.03168	0.02956	0.02764	0.02587	0.02426	0.02277	0.02015	0.01791	0.01599
1.00	0.03365	0.03136	0.02927	0.02736	0.02561	0.02401	0.02254	0.01995	0.01773	0.01583

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
BO/B	B	B	B	B	B	B	B	B	B	B
0.01	1.41970	1.27784	1.15427	1.04613	0.95109	0.86722	0.79293	0.72689	0.66798	0.61527
0.02	0.70985	0.63892	0.57714	0.52307	0.47554	0.43361	0.39646	0.36344	0.33399	0.30764
0.03	0.47323	0.42595	0.38476	0.34871	0.31703	0.28907	0.26431	0.24230	0.22266	0.20509
0.04	0.35493	0.31946	0.28857	0.26153	0.23777	0.21681	0.19823	0.18172	0.16700	0.15382
0.05	0.28394	0.25557	0.23085	0.20923	0.19022	0.17344	0.15859	0.14538	0.13360	0.12305
0.06	0.23662	0.21297	0.19238	0.17436	0.15851	0.14454	0.13215	0.12115	0.11133	0.10255
0.07	0.20281	0.18255	0.16490	0.14945	0.13587	0.12389	0.11328	0.10384	0.09543	0.08790
0.08	0.17746	0.15973	0.14428	0.13077	0.11889	0.10840	0.09912	0.09086	0.08350	0.07691
0.09	0.15774	0.14198	0.12825	0.11624	0.10568	0.09636	0.08810	0.08077	0.07422	0.06836
0.10	0.14197	0.12778	0.11543	0.10461	0.09511	0.08672	0.07929	0.07269	0.06680	0.06153
0.11	0.12906	0.11617	0.10493	0.09510	0.08646	0.07884	0.07208	0.06608	0.06073	0.05593
0.12	0.11831	0.10649	0.09619	0.08718	0.07926	0.07227	0.06608	0.06057	0.05567	0.05127
0.13	0.10921	0.09830	0.08879	0.08047	0.07316	0.06671	0.06099	0.05591	0.05138	0.04733
0.14	0.10141	0.09127	0.08245	0.07472	0.06793	0.06194	0.05664	0.05192	0.04771	0.04395
0.15	0.09465	0.08519	0.07695	0.06974	0.06341	0.05781	0.05286	0.04846	0.04453	0.04102
0.16	0.08873	0.07987	0.07214	0.06538	0.05944	0.05420	0.04956	0.04543	0.04175	0.03845
0.17	0.08351	0.07517	0.06790	0.06154	0.05595	0.05101	0.04664	0.04276	0.03929	0.03619
0.18	0.07887	0.07099	0.06413	0.05812	0.05284	0.04818	0.04405	0.04038	0.03711	0.03418
0.19	0.07472	0.06725	0.06075	0.05506	0.05006	0.04564	0.04173	0.03826	0.03516	0.03238
0.20	0.07099	0.06389	0.05771	0.05231	0.04755	0.04336	0.03965	0.03634	0.03340	0.03076
0.21	0.06760	0.06085	0.05497	0.04982	0.04529	0.04130	0.03776	0.03461	0.03181	0.02930
0.22	0.06453	0.05808	0.05247	0.04755	0.04323	0.03942	0.03604	0.03304	0.03036	0.02797
0.23	0.06173	0.05556	0.05019	0.04548	0.04135	0.03771	0.03448	0.03160	0.02904	0.02675
0.24	0.05915	0.05324	0.04809	0.04359	0.03963	0.03613	0.03304	0.03029	0.02783	0.02564
0.25	0.05679	0.05111	0.04617	0.04185	0.03804	0.03469	0.03172	0.02908	0.02672	0.02461
0.26	0.05460	0.04915	0.04440	0.04024	0.03658	0.03335	0.03050	0.02796	0.02569	0.02366
0.27	0.05258	0.04733	0.04275	0.03875	0.03523	0.03212	0.02937	0.02692	0.02474	0.02279
0.28	0.05070	0.04564	0.04122	0.03736	0.03397	0.03097	0.02832	0.02596	0.02386	0.02197
0.29	0.04896	0.04406	0.03980	0.03607	0.03280	0.02990	0.02734	0.02507	0.02303	0.02122
0.30	0.04732	0.04259	0.03848	0.03487	0.03170	0.02891	0.02643	0.02423	0.02227	0.02051
0.31	0.04580	0.04122	0.03723	0.03375	0.03068	0.02797	0.02558	0.02345	0.02155	0.01985
0.32	0.04437	0.03993	0.03607	0.03269	0.02972	0.02710	0.02478	0.02272	0.02087	0.01923
0.33	0.04302	0.03872	0.03498	0.03170	0.02882	0.02628	0.02403	0.02203	0.02024	0.01864
0.34	0.04176	0.03758	0.03395	0.03077	0.02797	0.02551	0.02332	0.02138	0.01965	0.01810



L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
BU/B	B	B	B	B	B	B	B	B	B	B
0.35	0.04056	0.03651	0.03298	0.02989	0.02717	0.02478	0.02266	0.02077	0.01909	0.01758
0.36	0.03944	0.03550	0.03206	0.02906	0.02642	0.02409	0.02203	0.02019	0.01856	0.01709
0.37	0.03837	0.03454	0.03120	0.02827	0.02571	0.02344	0.02143	0.01965	0.01805	0.01663
0.38	0.03736	0.03363	0.03038	0.02753	0.02503	0.02282	0.02087	0.01913	0.01758	0.01619
0.39	0.03640	0.03277	0.02960	0.02682	0.02439	0.02224	0.02033	0.01864	0.01713	0.01578
0.40	0.03549	0.03195	0.02886	0.02615	0.02378	0.02168	0.01982	0.01817	0.01670	0.01538
0.41	0.03463	0.03117	0.02815	0.02552	0.02320	0.02115	0.01934	0.01773	0.01629	0.01501
0.42	0.03380	0.03042	0.02748	0.02491	0.02264	0.02065	0.01888	0.01731	0.01590	0.01465
0.43	0.03302	0.02972	0.02684	0.02433	0.02212	0.02017	0.01844	0.01690	0.01553	0.01431
0.44	0.03227	0.02904	0.02623	0.02378	0.02162	0.01971	0.01802	0.01652	0.01518	0.01398
0.45	0.03155	0.02840	0.02565	0.02325	0.02114	0.01927	0.01762	0.01615	0.01484	0.01367
0.46	0.03086	0.02778	0.02503	0.02274	0.02068	0.01885	0.01724	0.01580	0.01452	0.01338
0.47	0.03021	0.02719	0.02456	0.02226	0.02024	0.01845	0.01687	0.01547	0.01421	0.01309
0.48	0.02958	0.02662	0.02405	0.02179	0.01981	0.01807	0.01652	0.01514	0.01392	0.01282
0.49	0.02897	0.02608	0.02356	0.02135	0.01941	0.01770	0.01618	0.01483	0.01363	0.01256
0.50	0.02839	0.02556	0.02303	0.02092	0.01902	0.01734	0.01586	0.01454	0.01336	0.01231
0.51	0.02784	0.02506	0.02263	0.02051	0.01865	0.01700	0.01555	0.01425	0.01310	0.01206
0.52	0.02730	0.02457	0.02220	0.02012	0.01829	0.01668	0.01525	0.01398	0.01285	0.01183
0.53	0.02679	0.02411	0.02178	0.01974	0.01795	0.01636	0.01496	0.01371	0.01260	0.01161
0.54	0.02629	0.02366	0.02138	0.01937	0.01761	0.01606	0.01468	0.01346	0.01237	0.01139
0.55	0.02581	0.02323	0.02099	0.01902	0.01729	0.01577	0.01442	0.01322	0.01215	0.01119
0.56	0.02535	0.02282	0.02061	0.01868	0.01698	0.01549	0.01416	0.01298	0.01193	0.01099
0.57	0.02491	0.02242	0.02025	0.01835	0.01669	0.01521	0.01391	0.01275	0.01172	0.01079
0.58	0.02448	0.02203	0.01990	0.01804	0.01640	0.01495	0.01367	0.01253	0.01152	0.01061
0.59	0.02406	0.02166	0.01956	0.01773	0.01612	0.01470	0.01344	0.01232	0.01132	0.01043
0.60	0.02366	0.02130	0.01924	0.01744	0.01585	0.01445	0.01322	0.01211	0.01113	0.01025
0.61	0.02327	0.02095	0.01892	0.01715	0.01559	0.01422	0.01300	0.01192	0.01095	0.01009
0.62	0.02290	0.02061	0.01862	0.01687	0.01534	0.01399	0.01279	0.01172	0.01077	0.00992
0.63	0.02253	0.02028	0.01832	0.01661	0.01510	0.01377	0.01259	0.01154	0.01060	0.00977
0.64	0.02218	0.01997	0.01804	0.01635	0.01486	0.01355	0.01239	0.01136	0.01044	0.00961
0.65	0.02184	0.01966	0.01776	0.01609	0.01463	0.01334	0.01220	0.01118	0.01028	0.00947
0.66	0.02151	0.01936	0.01749	0.01585	0.01441	0.01314	0.01201	0.01101	0.01012	0.00932
0.67	0.02119	0.01907	0.01723	0.01561	0.01420	0.01294	0.01183	0.01085	0.00997	0.00918
0.68	0.02088	0.01879	0.01697	0.01538	0.01399	0.01275	0.01166	0.01069	0.00982	0.00905

L	2.80	2.90	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70
B0/B	B	B	B	B	B	B	B	B	B	B
0.69	0.02058	0.01852	0.01673	0.01516	0.01378	0.01257	0.01149	0.01053	0.00968	0.00892
0.70	0.02028	0.01825	0.01649	0.01494	0.01359	0.01239	0.01133	0.01038	0.00954	0.00879
0.71	0.02000	0.01800	0.01626	0.01473	0.01340	0.01221	0.01117	0.01024	0.00941	0.00867
0.72	0.01972	0.01775	0.01603	0.01453	0.01321	0.01204	0.01101	0.01010	0.00928	0.00855
0.73	0.01945	0.01750	0.01581	0.01433	0.01303	0.01188	0.01086	0.00996	0.00915	0.00843
0.74	0.01919	0.01727	0.01560	0.01414	0.01285	0.01172	0.01072	0.00982	0.00903	0.00831
0.75	0.01893	0.01704	0.01539	0.01395	0.01268	0.01156	0.01057	0.00969	0.00891	0.00820
0.76	0.01868	0.01681	0.01519	0.01376	0.01251	0.01141	0.01043	0.00956	0.00879	0.00810
0.77	0.01844	0.01660	0.01499	0.01359	0.01235	0.01126	0.01030	0.00944	0.00868	0.00799
0.78	0.01820	0.01638	0.01480	0.01341	0.01219	0.01112	0.01017	0.00932	0.00856	0.00789
0.79	0.01797	0.01618	0.01461	0.01324	0.01204	0.01098	0.01004	0.00920	0.00846	0.00779
0.80	0.01775	0.01597	0.01443	0.01308	0.01189	0.01084	0.00991	0.00909	0.00835	0.00769
0.81	0.01753	0.01578	0.01425	0.01292	0.01174	0.01071	0.00979	0.00897	0.00825	0.00760
0.82	0.01731	0.01558	0.01408	0.01276	0.01160	0.01058	0.00967	0.00886	0.00815	0.00750
0.83	0.01710	0.01540	0.01391	0.01260	0.01146	0.01045	0.00955	0.00876	0.00805	0.00741
0.84	0.01690	0.01521	0.01374	0.01245	0.01132	0.01032	0.00944	0.00865	0.00795	0.00732
0.85	0.01670	0.01503	0.01358	0.01231	0.01119	0.01020	0.00933	0.00855	0.00786	0.00724
0.86	0.01651	0.01486	0.01342	0.01216	0.01106	0.01008	0.00922	0.00845	0.00777	0.00715
0.87	0.01632	0.01469	0.01327	0.01202	0.01093	0.00997	0.00911	0.00836	0.00768	0.00707
0.88	0.01613	0.01452	0.01312	0.01189	0.01081	0.00985	0.00901	0.00826	0.00759	0.00699
0.89	0.01595	0.01436	0.01297	0.01175	0.01069	0.00974	0.00891	0.00817	0.00751	0.00691
0.90	0.01577	0.01420	0.01283	0.01162	0.01057	0.00964	0.00881	0.00808	0.00742	0.00684
0.91	0.01560	0.01404	0.01268	0.01150	0.01045	0.00953	0.00871	0.00799	0.00734	0.00676
0.92	0.01543	0.01389	0.01255	0.01137	0.01034	0.00943	0.00862	0.00790	0.00726	0.00669
0.93	0.01527	0.01374	0.01241	0.01125	0.01023	0.00932	0.00853	0.00782	0.00718	0.00662
0.94	0.01510	0.01359	0.01228	0.01113	0.01012	0.00923	0.00844	0.00773	0.00711	0.00655
0.95	0.01494	0.01345	0.01215	0.01101	0.01001	0.00913	0.00835	0.00765	0.00703	0.00648
0.96	0.01479	0.01331	0.01202	0.01090	0.00991	0.00903	0.00826	0.00757	0.00696	0.00641
0.97	0.01464	0.01317	0.01190	0.01078	0.00981	0.00894	0.00817	0.00749	0.00689	0.00634
0.98	0.01449	0.01304	0.01178	0.01067	0.00970	0.00885	0.00809	0.00742	0.00682	0.00628
0.99	0.01434	0.01291	0.01166	0.01057	0.00961	0.00876	0.00801	0.00734	0.00675	0.00621
1.00	0.01420	0.01278	0.01154	0.01046	0.00951	0.00867	0.00793	0.00727	0.00668	0.00615

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
BO/B	B	B	B	B	B	B	B	B	B	B
0.01	0.56796	0.52538	0.48696	0.45219	0.42065	0.39198	0.36586	0.34201	0.32018	0.30018
0.02	0.28398	0.26269	0.24348	0.22609	0.21033	0.19599	0.18293	0.17100	0.16009	0.15009
0.03	0.18932	0.17513	0.16232	0.15073	0.14022	0.13066	0.12195	0.11400	0.10673	0.10006
0.04	0.14199	0.13135	0.12174	0.11305	0.10516	0.09800	0.09146	0.08550	0.08005	0.07504
0.05	0.11359	0.10508	0.09739	0.09044	0.08413	0.07840	0.07317	0.06840	0.06404	0.06004
0.06	0.09466	0.08756	0.08116	0.07536	0.07011	0.06533	0.06098	0.05700	0.05336	0.05003
0.07	0.08114	0.07505	0.06957	0.06460	0.06009	0.05600	0.05227	0.04886	0.04574	0.04288
0.08	0.07100	0.06567	0.06087	0.05652	0.05258	0.04900	0.04573	0.04275	0.04002	0.03752
0.09	0.06311	0.05838	0.05411	0.05024	0.04674	0.04355	0.04065	0.03800	0.03558	0.03335
0.10	0.05680	0.05254	0.04870	0.04522	0.04207	0.03920	0.03659	0.03420	0.03202	0.03006
0.11	0.05163	0.04776	0.04427	0.04111	0.03824	0.03563	0.03326	0.03109	0.02911	0.02729
0.12	0.04733	0.04378	0.04058	0.03768	0.03505	0.03267	0.03049	0.02850	0.02668	0.02501
0.13	0.04369	0.04041	0.03746	0.03478	0.03236	0.03015	0.02814	0.02631	0.02463	0.02309
0.14	0.04057	0.03753	0.03478	0.03230	0.03005	0.02800	0.02613	0.02443	0.02287	0.02144
0.15	0.03786	0.03503	0.03246	0.03015	0.02804	0.02613	0.02439	0.02280	0.02135	0.02001
0.16	0.03550	0.03284	0.03043	0.02826	0.02629	0.02450	0.02287	0.02138	0.02001	0.01876
0.17	0.03341	0.03090	0.02864	0.02660	0.02474	0.02306	0.02152	0.02012	0.01883	0.01766
0.18	0.03155	0.02919	0.02705	0.02512	0.02337	0.02178	0.02033	0.01900	0.01779	0.01668
0.19	0.02989	0.02765	0.02563	0.02380	0.02214	0.02063	0.01926	0.01800	0.01685	0.01580
0.20	0.02840	0.02627	0.02435	0.02261	0.02103	0.01960	0.01829	0.01710	0.01601	0.01501
0.21	0.02705	0.02502	0.02319	0.02153	0.02003	0.01867	0.01742	0.01629	0.01525	0.01429
0.22	0.02582	0.02388	0.02213	0.02055	0.01912	0.01782	0.01663	0.01555	0.01455	0.01364
0.23	0.02469	0.02284	0.02117	0.01966	0.01829	0.01704	0.01591	0.01487	0.01392	0.01305
0.24	0.02367	0.02189	0.02027	0.01884	0.01753	0.01633	0.01524	0.01425	0.01334	0.01251
0.25	0.02272	0.02102	0.01948	0.01809	0.01683	0.01568	0.01463	0.01368	0.01281	0.01201
0.26	0.02184	0.02021	0.01873	0.01739	0.01618	0.01508	0.01407	0.01315	0.01231	0.01155
0.27	0.02104	0.01946	0.01804	0.01675	0.01558	0.01452	0.01355	0.01267	0.01186	0.01112
0.28	0.02028	0.01876	0.01739	0.01615	0.01502	0.01400	0.01307	0.01221	0.01144	0.01072
0.29	0.01958	0.01812	0.01679	0.01559	0.01451	0.01352	0.01262	0.01179	0.01104	0.01035
0.30	0.01893	0.01751	0.01623	0.01507	0.01402	0.01307	0.01220	0.01140	0.01067	0.01001
0.31	0.01832	0.01695	0.01571	0.01459	0.01357	0.01264	0.01180	0.01103	0.01033	0.00968
0.32	0.01775	0.01642	0.01522	0.01413	0.01315	0.01225	0.01143	0.01069	0.01001	0.00938
0.33	0.01721	0.01592	0.01476	0.01370	0.01275	0.01188	0.01109	0.01036	0.00970	0.00910
0.34	0.01670	0.01545	0.01432	0.01330	0.01237	0.01153	0.01076	0.01006	0.00942	0.00883

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B0/B	B	B	B	B	B	B	B	B	B	B
0.35	0.01623	0.01501	0.01391	0.01292	0.01202	0.01120	0.01045	0.00977	0.00915	0.00858
0.36	0.01578	0.01459	0.01353	0.01256	0.01168	0.01089	0.01016	0.00950	0.00889	0.00834
0.37	0.01535	0.01420	0.01316	0.01222	0.01137	0.01059	0.00989	0.00924	0.00865	0.00811
0.38	0.01495	0.01383	0.01281	0.01190	0.01107	0.01032	0.00963	0.00900	0.00843	0.00790
0.39	0.01456	0.01347	0.01249	0.01159	0.01079	0.01005	0.00938	0.00877	0.00821	0.00770
0.40	0.01420	0.01313	0.01217	0.01130	0.01052	0.00980	0.00915	0.00855	0.00800	0.00750
0.41	0.01385	0.01281	0.01188	0.01103	0.01026	0.00956	0.00892	0.00834	0.00781	0.00732
0.42	0.01352	0.01251	0.01159	0.01077	0.01002	0.00933	0.00871	0.00814	0.00762	0.00715
0.43	0.01321	0.01222	0.01132	0.01052	0.00978	0.00912	0.00851	0.00795	0.00745	0.00698
0.44	0.01291	0.01194	0.01107	0.01028	0.00956	0.00891	0.00831	0.00777	0.00728	0.00682
0.45	0.01262	0.01168	0.01082	0.01005	0.00935	0.00871	0.00813	0.00760	0.00712	0.00667
0.46	0.01235	0.01142	0.01059	0.00983	0.00914	0.00852	0.00795	0.00743	0.00696	0.00653
0.47	0.01208	0.01118	0.01036	0.00962	0.00895	0.00834	0.00778	0.00728	0.00681	0.00639
0.48	0.01183	0.01095	0.01014	0.00942	0.00876	0.00817	0.00762	0.00713	0.00667	0.00625
0.49	0.01159	0.01072	0.00994	0.00923	0.00858	0.00800	0.00747	0.00698	0.00653	0.00613
0.50	0.01136	0.01051	0.00974	0.00904	0.00841	0.00784	0.00732	0.00684	0.00640	0.00600
0.51	0.01114	0.01030	0.00955	0.00887	0.00825	0.00769	0.00717	0.00671	0.00628	0.00589
0.52	0.01092	0.01010	0.00936	0.00870	0.00809	0.00754	0.00704	0.00658	0.00616	0.00577
0.53	0.01072	0.00991	0.00919	0.00853	0.00794	0.00740	0.00690	0.00645	0.00604	0.00566
0.54	0.01052	0.00973	0.00902	0.00837	0.00779	0.00726	0.00678	0.00633	0.00593	0.00556
0.55	0.01033	0.00955	0.00885	0.00822	0.00765	0.00713	0.00665	0.00622	0.00582	0.00546
0.56	0.01014	0.00938	0.00870	0.00807	0.00751	0.00700	0.00653	0.00611	0.00572	0.00536
0.57	0.00996	0.00922	0.00854	0.00793	0.00738	0.00688	0.00642	0.00600	0.00562	0.00527
0.58	0.00979	0.00906	0.00840	0.00780	0.00725	0.00676	0.00631	0.00590	0.00552	0.00518
0.59	0.00963	0.00890	0.00825	0.00766	0.00713	0.00664	0.00620	0.00580	0.00543	0.00509
0.60	0.00947	0.00876	0.00812	0.00754	0.00701	0.00653	0.00610	0.00570	0.00534	0.00500
0.61	0.00931	0.00861	0.00798	0.00741	0.00690	0.00643	0.00600	0.00561	0.00525	0.00492
0.62	0.00916	0.00847	0.00785	0.00729	0.00678	0.00632	0.00590	0.00552	0.00516	0.00484
0.63	0.00902	0.00834	0.00773	0.00718	0.00668	0.00622	0.00581	0.00543	0.00508	0.00476
0.64	0.00887	0.00821	0.00761	0.00707	0.00657	0.00612	0.00572	0.00534	0.00500	0.00469
0.65	0.00874	0.00808	0.00749	0.00696	0.00647	0.00603	0.00563	0.00526	0.00493	0.00462
0.66	0.00861	0.00796	0.00738	0.00685	0.00637	0.00594	0.00554	0.00518	0.00485	0.00455
0.67	0.00848	0.00784	0.00727	0.00675	0.00628	0.00585	0.00546	0.00510	0.00478	0.00448
0.68	0.00835	0.00773	0.00716	0.00665	0.00619	0.00576	0.00538	0.00503	0.00471	0.00441

L	3.80	3.90	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70
B0/B	B	B	B	B	B	B	B	B	B	B
0.69	0.00823	0.00761	0.00706	0.00655	0.00610	0.00568	0.00530	0.00496	0.00464	0.00435
0.70	0.00811	0.00751	0.00696	0.00646	0.00601	0.00560	0.00523	0.00489	0.00457	0.00429
0.71	0.00800	0.00740	0.00686	0.00637	0.00592	0.00552	0.00515	0.00482	0.00451	0.00423
0.72	0.00789	0.00730	0.00676	0.00628	0.00584	0.00544	0.00508	0.00475	0.00445	0.00417
0.73	0.00778	0.00720	0.00667	0.00619	0.00576	0.00537	0.00501	0.00469	0.00439	0.00411
0.74	0.00768	0.00710	0.00658	0.00611	0.00568	0.00530	0.00494	0.00462	0.00433	0.00406
0.75	0.00757	0.00701	0.00649	0.00603	0.00561	0.00523	0.00488	0.00456	0.00427	0.00400
0.76	0.00747	0.00691	0.00641	0.00595	0.00553	0.00516	0.00481	0.00450	0.00421	0.00395
0.77	0.00738	0.00682	0.00632	0.00587	0.00546	0.00509	0.00475	0.00444	0.00416	0.00390
0.78	0.00728	0.00674	0.00624	0.00580	0.00539	0.00503	0.00469	0.00438	0.00410	0.00385
0.79	0.00719	0.00665	0.00616	0.00572	0.00532	0.00496	0.00463	0.00433	0.00405	0.00380
0.80	0.00710	0.00657	0.00609	0.00565	0.00526	0.00490	0.00457	0.00428	0.00400	0.00375
0.81	0.00701	0.00649	0.00601	0.00558	0.00519	0.00484	0.00452	0.00422	0.00395	0.00371
0.82	0.00693	0.00641	0.00594	0.00551	0.00513	0.00478	0.00446	0.00417	0.00390	0.00366
0.83	0.00684	0.00633	0.00587	0.00545	0.00507	0.00472	0.00441	0.00412	0.00386	0.00362
0.84	0.00676	0.00625	0.00580	0.00538	0.00501	0.00467	0.00436	0.00407	0.00381	0.00357
0.85	0.00668	0.00616	0.00573	0.00532	0.00495	0.00461	0.00430	0.00402	0.00377	0.00353
0.86	0.00660	0.00611	0.00566	0.00526	0.00489	0.00456	0.00425	0.00398	0.00372	0.00349
0.87	0.00653	0.00604	0.00560	0.00520	0.00484	0.00451	0.00421	0.00393	0.00368	0.00345
0.88	0.00645	0.00597	0.00553	0.00514	0.00478	0.00445	0.00416	0.00389	0.00364	0.00341
0.89	0.00638	0.00590	0.00547	0.00508	0.00473	0.00440	0.00411	0.00384	0.00360	0.00337
0.90	0.00631	0.00584	0.00541	0.00502	0.00467	0.00436	0.00407	0.00380	0.00356	0.00334
0.91	0.00624	0.00577	0.00535	0.00497	0.00462	0.00431	0.00402	0.00376	0.00352	0.00330
0.92	0.00617	0.00571	0.00529	0.00492	0.00457	0.00426	0.00398	0.00372	0.00348	0.00326
0.93	0.00611	0.00565	0.00524	0.00486	0.00452	0.00421	0.00393	0.00368	0.00344	0.00323
0.94	0.00604	0.00559	0.00518	0.00481	0.00448	0.00417	0.00389	0.00364	0.00341	0.00319
0.95	0.00598	0.00553	0.00513	0.00476	0.00443	0.00413	0.00385	0.00360	0.00337	0.00316
0.96	0.00592	0.00547	0.00507	0.00471	0.00438	0.00408	0.00381	0.00356	0.00334	0.00313
0.97	0.00586	0.00542	0.00502	0.00466	0.00434	0.00404	0.00377	0.00353	0.00330	0.00309
0.98	0.00580	0.00536	0.00497	0.00461	0.00429	0.00400	0.00373	0.00349	0.00327	0.00306
0.99	0.00574	0.00531	0.00492	0.00457	0.00425	0.00396	0.00370	0.00345	0.00323	0.00303
1.00	0.00568	0.00525	0.00487	0.00452	0.00421	0.00392	0.00366	0.00342	0.00320	0.00300

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
BO/B	0	0	0	0	0	0	0	0	0	0
0.01	0.28180	0.26490	0.24932	0.23494	0.22165	0.20934	0.19792	0.18732	0.17746	0.16829
0.02	0.14090	0.13245	0.12466	0.11747	0.11082	0.10467	0.09896	0.09366	0.08873	0.08414
0.03	0.09393	0.08830	0.08311	0.07831	0.07388	0.06978	0.06597	0.06244	0.05915	0.05610
0.04	0.07045	0.06623	0.06233	0.05874	0.05541	0.05233	0.04948	0.04683	0.04437	0.04207
0.05	0.05636	0.05298	0.04986	0.04699	0.04433	0.04187	0.03958	0.03746	0.03549	0.03366
0.06	0.04697	0.04415	0.04155	0.03916	0.03694	0.03489	0.03299	0.03122	0.02958	0.02805
0.07	0.04026	0.03784	0.03562	0.03356	0.03166	0.02991	0.02827	0.02676	0.02535	0.02404
0.08	0.03523	0.03311	0.03117	0.02937	0.02771	0.02617	0.02474	0.02341	0.02218	0.02104
0.09	0.03131	0.02943	0.02770	0.02610	0.02463	0.02326	0.02199	0.02081	0.01972	0.01870
0.10	0.02818	0.02649	0.02493	0.02349	0.02216	0.02093	0.01979	0.01873	0.01775	0.01683
0.11	0.02562	0.02408	0.02267	0.02136	0.02015	0.01903	0.01799	0.01703	0.01613	0.01530
0.12	0.02348	0.02208	0.02078	0.01958	0.01847	0.01744	0.01649	0.01561	0.01479	0.01402
0.13	0.02168	0.02038	0.01918	0.01807	0.01705	0.01610	0.01522	0.01441	0.01365	0.01295
0.14	0.02013	0.01892	0.01781	0.01678	0.01583	0.01495	0.01414	0.01338	0.01268	0.01202
0.15	0.01879	0.01766	0.01662	0.01566	0.01478	0.01396	0.01319	0.01249	0.01183	0.01122
0.16	0.01761	0.01656	0.01558	0.01468	0.01385	0.01308	0.01237	0.01171	0.01109	0.01052
0.17	0.01658	0.01558	0.01467	0.01382	0.01304	0.01231	0.01164	0.01102	0.01044	0.00990
0.18	0.01566	0.01472	0.01385	0.01305	0.01231	0.01163	0.01100	0.01041	0.00986	0.00935
0.19	0.01483	0.01394	0.01312	0.01237	0.01167	0.01102	0.01042	0.00986	0.00934	0.00886
0.20	0.01409	0.01325	0.01247	0.01175	0.01108	0.01047	0.00990	0.00937	0.00887	0.00841
0.21	0.01342	0.01261	0.01187	0.01119	0.01055	0.00997	0.00942	0.00892	0.00845	0.00801
0.22	0.01281	0.01204	0.01133	0.01068	0.01007	0.00952	0.00900	0.00851	0.00807	0.00765
0.23	0.01225	0.01152	0.01084	0.01021	0.00964	0.00910	0.00861	0.00814	0.00772	0.00732
0.24	0.01174	0.01104	0.01039	0.00979	0.00924	0.00872	0.00825	0.00780	0.00739	0.00701
0.25	0.01127	0.01060	0.00997	0.00940	0.00887	0.00837	0.00792	0.00749	0.00710	0.00673
0.26	0.01084	0.01019	0.00959	0.00904	0.00852	0.00805	0.00761	0.00720	0.00683	0.00647
0.27	0.01044	0.00981	0.00923	0.00870	0.00821	0.00775	0.00733	0.00694	0.00657	0.00623
0.28	0.01006	0.00946	0.00890	0.00839	0.00792	0.00748	0.00707	0.00669	0.00634	0.00601
0.29	0.00972	0.00913	0.00860	0.00810	0.00764	0.00722	0.00682	0.00646	0.00612	0.00580
0.30	0.00939	0.00883	0.00831	0.00783	0.00739	0.00698	0.00660	0.00624	0.00592	0.00561
0.31	0.00909	0.00855	0.00804	0.00758	0.00715	0.00675	0.00638	0.00604	0.00572	0.00543
0.32	0.00881	0.00828	0.00779	0.00734	0.00693	0.00654	0.00619	0.00585	0.00555	0.00526
0.33	0.00854	0.00803	0.00756	0.00712	0.00672	0.00634	0.00600	0.00568	0.00538	0.00510
0.34	0.00829	0.00779	0.00733	0.00691	0.00652	0.00616	0.00582	0.00551	0.00522	0.00495

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
BQ/B	B	B	B	B	B	B	B	B	B	B
0.35	0.00805	0.00757	0.00712	0.00671	0.00633	0.00598	0.00565	0.00535	0.00507	0.00481
0.36	0.00783	0.00736	0.00693	0.00653	0.00616	0.00581	0.00550	0.00520	0.00493	0.00467
0.37	0.00762	0.00716	0.00674	0.00635	0.00599	0.00566	0.00535	0.00506	0.00480	0.00455
0.38	0.00742	0.00697	0.00656	0.00618	0.00583	0.00551	0.00521	0.00493	0.00467	0.00443
0.39	0.00723	0.00679	0.00639	0.00602	0.00568	0.00537	0.00507	0.00480	0.00455	0.00432
0.40	0.00705	0.00662	0.00623	0.00587	0.00554	0.00523	0.00495	0.00468	0.00444	0.00421
0.41	0.00687	0.00646	0.00608	0.00573	0.00541	0.00511	0.00483	0.00457	0.00433	0.00410
0.42	0.00671	0.00631	0.00594	0.00559	0.00528	0.00498	0.00471	0.00446	0.00423	0.00401
0.43	0.00655	0.00616	0.00580	0.00546	0.00515	0.00487	0.00460	0.00436	0.00413	0.00391
0.44	0.00640	0.00602	0.00567	0.00534	0.00504	0.00476	0.00450	0.00426	0.00403	0.00382
0.45	0.00626	0.00589	0.00554	0.00522	0.00493	0.00465	0.00440	0.00416	0.00394	0.00374
0.46	0.00613	0.00576	0.00542	0.00511	0.00482	0.00455	0.00430	0.00407	0.00386	0.00366
0.47	0.00600	0.00564	0.00530	0.00500	0.00472	0.00445	0.00421	0.00399	0.00378	0.00358
0.48	0.00587	0.00552	0.00519	0.00489	0.00462	0.00436	0.00412	0.00390	0.00370	0.00351
0.49	0.00575	0.00541	0.00509	0.00479	0.00452	0.00427	0.00404	0.00382	0.00362	0.00343
0.50	0.00564	0.00530	0.00499	0.00470	0.00443	0.00419	0.00396	0.00375	0.00355	0.00337
0.51	0.00553	0.00519	0.00489	0.00461	0.00435	0.00410	0.00388	0.00367	0.00348	0.00330
0.52	0.00542	0.00509	0.00479	0.00452	0.00426	0.00403	0.00381	0.00360	0.00341	0.00324
0.53	0.00532	0.00500	0.00470	0.00443	0.00418	0.00395	0.00373	0.00353	0.00335	0.00318
0.54	0.00522	0.00491	0.00462	0.00435	0.00410	0.00388	0.00367	0.00347	0.00329	0.00312
0.55	0.00512	0.00482	0.00453	0.00427	0.00403	0.00381	0.00360	0.00341	0.00323	0.00306
0.56	0.00503	0.00473	0.00445	0.00420	0.00396	0.00374	0.00353	0.00334	0.00317	0.00301
0.57	0.00494	0.00465	0.00437	0.00412	0.00389	0.00367	0.00347	0.00329	0.00311	0.00295
0.58	0.00486	0.00457	0.00430	0.00405	0.00382	0.00361	0.00341	0.00323	0.00306	0.00290
0.59	0.00478	0.00449	0.00423	0.00398	0.00376	0.00355	0.00335	0.00317	0.00301	0.00285
0.60	0.00470	0.00442	0.00416	0.00392	0.00369	0.00349	0.00330	0.00312	0.00296	0.00280
0.61	0.00462	0.00434	0.00409	0.00385	0.00363	0.00343	0.00324	0.00307	0.00291	0.00276
0.62	0.00455	0.00427	0.00402	0.00379	0.00357	0.00338	0.00319	0.00302	0.00286	0.00271
0.63	0.00447	0.00420	0.00396	0.00373	0.00352	0.00332	0.00314	0.00297	0.00282	0.00267
0.64	0.00440	0.00414	0.00390	0.00367	0.00346	0.00327	0.00309	0.00293	0.00277	0.00263
0.65	0.00434	0.00408	0.00384	0.00361	0.00341	0.00322	0.00304	0.00288	0.00273	0.00259
0.66	0.00427	0.00401	0.00378	0.00356	0.00336	0.00317	0.00300	0.00284	0.00269	0.00255
0.67	0.00421	0.00395	0.00372	0.00351	0.00331	0.00312	0.00295	0.00280	0.00265	0.00251
0.68	0.00414	0.00390	0.00367	0.00346	0.00326	0.00308	0.00291	0.00275	0.00261	0.00247

L	4.80	4.90	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70
BO/B	B	B	B	B	B	B	B	B	B	B
0.69	0.00408	0.00384	0.00361	0.00340	0.00321	0.00303	0.00287	0.00271	0.00257	0.00244
0.70	0.00403	0.00378	0.00356	0.00336	0.00317	0.00299	0.00283	0.00268	0.00254	0.00240
0.71	0.00397	0.00373	0.00351	0.00331	0.00312	0.00295	0.00279	0.00264	0.00250	0.00237
0.72	0.00391	0.00368	0.00346	0.00326	0.00308	0.00291	0.00275	0.00260	0.00246	0.00234
0.73	0.00386	0.00363	0.00342	0.00322	0.00304	0.00287	0.00271	0.00257	0.00243	0.00231
0.74	0.00381	0.00358	0.00337	0.00317	0.00300	0.00283	0.00267	0.00253	0.00240	0.00227
0.75	0.00376	0.00353	0.00332	0.00313	0.00296	0.00279	0.00264	0.00250	0.00237	0.00224
0.76	0.00371	0.00349	0.00328	0.00309	0.00292	0.00275	0.00260	0.00246	0.00234	0.00221
0.77	0.00366	0.00344	0.00324	0.00305	0.00288	0.00272	0.00257	0.00243	0.00230	0.00219
0.78	0.00361	0.00340	0.00320	0.00301	0.00284	0.00268	0.00254	0.00240	0.00228	0.00216
0.79	0.00357	0.00335	0.00316	0.00297	0.00281	0.00265	0.00251	0.00237	0.00225	0.00213
0.80	0.00352	0.00331	0.00312	0.00294	0.00277	0.00262	0.00247	0.00234	0.00222	0.00210
0.81	0.00348	0.00327	0.00308	0.00290	0.00274	0.00258	0.00244	0.00231	0.00219	0.00208
0.82	0.00344	0.00323	0.00304	0.00287	0.00270	0.00255	0.00241	0.00228	0.00216	0.00205
0.83	0.00340	0.00319	0.00300	0.00283	0.00267	0.00252	0.00238	0.00226	0.00214	0.00203
0.84	0.00335	0.00315	0.00297	0.00280	0.00264	0.00249	0.00236	0.00223	0.00211	0.00200
0.85	0.00332	0.00312	0.00293	0.00276	0.00261	0.00246	0.00233	0.00220	0.00209	0.00198
0.86	0.00328	0.00308	0.00290	0.00273	0.00258	0.00243	0.00230	0.00218	0.00206	0.00196
0.87	0.00324	0.00304	0.00287	0.00270	0.00255	0.00241	0.00227	0.00215	0.00204	0.00193
0.88	0.00320	0.00301	0.00283	0.00267	0.00252	0.00238	0.00225	0.00213	0.00202	0.00191
0.89	0.00317	0.00298	0.00280	0.00264	0.00249	0.00235	0.00222	0.00210	0.00199	0.00189
0.90	0.00313	0.00294	0.00277	0.00261	0.00246	0.00233	0.00220	0.00208	0.00197	0.00187
0.91	0.00310	0.00291	0.00274	0.00258	0.00244	0.00230	0.00217	0.00206	0.00195	0.00185
0.92	0.00306	0.00288	0.00271	0.00255	0.00241	0.00228	0.00215	0.00204	0.00193	0.00183
0.93	0.00303	0.00285	0.00268	0.00253	0.00238	0.00225	0.00213	0.00201	0.00191	0.00181
0.94	0.00300	0.00282	0.00265	0.00250	0.00236	0.00223	0.00211	0.00199	0.00189	0.00179
0.95	0.00297	0.00279	0.00262	0.00247	0.00233	0.00220	0.00208	0.00197	0.00187	0.00177
0.96	0.00294	0.00276	0.00260	0.00245	0.00231	0.00218	0.00206	0.00195	0.00185	0.00175
0.97	0.00291	0.00273	0.00257	0.00242	0.00229	0.00216	0.00204	0.00193	0.00183	0.00173
0.98	0.00288	0.00270	0.00254	0.00240	0.00226	0.00214	0.00202	0.00191	0.00181	0.00172
0.99	0.00285	0.00268	0.00252	0.00237	0.00224	0.00211	0.00200	0.00189	0.00179	0.00170
1.00	0.00282	0.00265	0.00249	0.00235	0.00222	0.00209	0.00198	0.00187	0.00177	0.00168



L	5.80	5.90	6.00	6.10	6.20	6.30				
BD/B	B	B	B	B	B	B	R	B	B	B
0.01	0.15973	0.15175	0.14428	0.13730	0.13077	0.12464				
0.02	0.07987	0.07587	0.07214	0.06865	0.06538	0.06232				
0.03	0.05324	0.05058	0.04809	0.04577	0.04359	0.04155				
0.04	0.03593	0.03794	0.03607	0.03433	0.03269	0.03116				
0.05	0.03195	0.03035	0.02886	0.02746	0.02615	0.02493				
0.06	0.02662	0.02529	0.02405	0.02288	0.02179	0.02077				
0.07	0.02282	0.02168	0.02061	0.01961	0.01868	0.01781				
0.08	0.01997	0.01897	0.01804	0.01716	0.01635	0.01558				
0.09	0.01775	0.01686	0.01603	0.01526	0.01453	0.01385				
0.10	0.01597	0.01517	0.01443	0.01373	0.01308	0.01246				
0.11	0.01452	0.01380	0.01312	0.01248	0.01189	0.01133				
0.12	0.01331	0.01265	0.01202	0.01144	0.01090	0.01039				
0.13	0.01229	0.01167	0.01110	0.01056	0.01006	0.00959				
0.14	0.01141	0.01084	0.01031	0.00981	0.00934	0.00890				
0.15	0.01065	0.01012	0.00962	0.00915	0.00872	0.00831				
0.16	0.00998	0.00948	0.00902	0.00858	0.00817	0.00779				
0.17	0.00940	0.00893	0.00849	0.00808	0.00769	0.00733				
0.18	0.00887	0.00843	0.00802	0.00763	0.00726	0.00692				
0.19	0.00841	0.00799	0.00759	0.00723	0.00688	0.00656				
0.20	0.00799	0.00759	0.00721	0.00687	0.00654	0.00623				
0.21	0.00761	0.00723	0.00687	0.00654	0.00623	0.00594				
0.22	0.00726	0.00690	0.00656	0.00624	0.00594	0.00567				
0.23	0.00694	0.00660	0.00627	0.00597	0.00569	0.00542				
0.24	0.00666	0.00632	0.00601	0.00572	0.00545	0.00519				
0.25	0.00639	0.00607	0.00577	0.00549	0.00523	0.00499				
0.26	0.00614	0.00584	0.00555	0.00528	0.00503	0.00479				
0.27	0.00592	0.00562	0.00534	0.00509	0.00484	0.00462				
0.28	0.00570	0.00542	0.00515	0.00490	0.00467	0.00445				
0.29	0.00551	0.00523	0.00498	0.00473	0.00451	0.00430				
0.30	0.00532	0.00506	0.00481	0.00458	0.00436	0.00415				
0.31	0.00515	0.00490	0.00465	0.00443	0.00422	0.00402				
0.32	0.00499	0.00474	0.00451	0.00429	0.00409	0.00389				
0.33	0.00484	0.00460	0.00437	0.00416	0.00396	0.00378				
0.34	0.00470	0.00446	0.00424	0.00404	0.00385	0.00367				

L	5.80	5.90	6.00	6.10	6.20	6.30				
BC/B	E	B	B	B	B	B	B	B	B	B
0.35	0.00456	0.00434	0.00412	0.00392	0.00374	0.00356				
0.36	0.00444	0.00422	0.00401	0.00381	0.00363	0.00346				
0.37	0.00432	0.00410	0.00390	0.00371	0.00353	0.00337				
0.38	0.00420	0.00399	0.00380	0.00361	0.00344	0.00328				
0.39	0.00410	0.00389	0.00370	0.00352	0.00335	0.00320				
0.40	0.00399	0.00379	0.00361	0.00343	0.00327	0.00312				
0.41	0.00390	0.00370	0.00352	0.00335	0.00319	0.00304				
0.42	0.00380	0.00361	0.00344	0.00327	0.00311	0.00297				
0.43	0.00371	0.00353	0.00336	0.00319	0.00304	0.00290				
0.44	0.00363	0.00345	0.00328	0.00312	0.00297	0.00283				
0.45	0.00355	0.00337	0.00321	0.00305	0.00291	0.00277				
0.46	0.00347	0.00330	0.00314	0.00298	0.00284	0.00271				
0.47	0.00340	0.00323	0.00307	0.00292	0.00278	0.00265				
0.48	0.00333	0.00316	0.00301	0.00286	0.00272	0.00260				
0.49	0.00326	0.00310	0.00294	0.00280	0.00267	0.00254				
0.50	0.00319	0.00303	0.00289	0.00275	0.00262	0.00249				
0.51	0.00313	0.00298	0.00283	0.00269	0.00256	0.00244				
0.52	0.00307	0.00292	0.00277	0.00264	0.00251	0.00240				
0.53	0.00301	0.00286	0.00272	0.00259	0.00247	0.00235				
0.54	0.00296	0.00281	0.00267	0.00254	0.00242	0.00231				
0.55	0.00290	0.00276	0.00262	0.00250	0.00238	0.00227				
0.56	0.00285	0.00271	0.00258	0.00245	0.00234	0.00223				
0.57	0.00280	0.00266	0.00253	0.00241	0.00229	0.00219				
0.58	0.00275	0.00262	0.00249	0.00237	0.00225	0.00215				
0.59	0.00271	0.00257	0.00245	0.00233	0.00222	0.00211				
0.60	0.00266	0.00253	0.00240	0.00229	0.00218	0.00208				
0.61	0.00262	0.00249	0.00237	0.00225	0.00214	0.00204				
0.62	0.00258	0.00245	0.00233	0.00221	0.00211	0.00201				
0.63	0.00254	0.00241	0.00229	0.00218	0.00208	0.00198				
0.64	0.00250	0.00237	0.00225	0.00215	0.00204	0.00195				
0.65	0.00246	0.00233	0.00222	0.00211	0.00201	0.00192				
0.66	0.00242	0.00230	0.00219	0.00208	0.00198	0.00189				
0.67	0.00238	0.00226	0.00215	0.00205	0.00195	0.00186				
0.68	0.00235	0.00223	0.00212	0.00202	0.00192	0.00183				

L	5.80	5.90	6.00	6.10	6.20	6.30				
B0/B	B	B	B	B	B	B	B	B	B	B
0.69	0.00231	0.00220	0.00209	0.00199	0.00190	0.00181				
0.70	0.00228	0.00217	0.00206	0.00196	0.00187	0.00178				
0.71	0.00225	0.00214	0.00203	0.00193	0.00184	0.00176				
0.72	0.00222	0.00211	0.00200	0.00191	0.00182	0.00173				
0.73	0.00219	0.00208	0.00198	0.00188	0.00179	0.00171				
0.74	0.00216	0.00205	0.00195	0.00186	0.00177	0.00168				
0.75	0.00213	0.00202	0.00192	0.00183	0.00174	0.00166				
0.76	0.00210	0.00200	0.00190	0.00181	0.00172	0.00164				
0.77	0.00207	0.00197	0.00187	0.00178	0.00170	0.00162				
0.78	0.00205	0.00195	0.00185	0.00176	0.00168	0.00160				
0.79	0.00202	0.00192	0.00183	0.00174	0.00166	0.00158				
0.80	0.00200	0.00190	0.00180	0.00172	0.00163	0.00156				
0.81	0.00197	0.00187	0.00178	0.00170	0.00161	0.00154				
0.82	0.00195	0.00185	0.00176	0.00167	0.00159	0.00152				
0.83	0.00192	0.00183	0.00174	0.00165	0.00158	0.00150				
0.84	0.00190	0.00181	0.00172	0.00163	0.00156	0.00148				
0.85	0.00188	0.00179	0.00170	0.00162	0.00154	0.00147				
0.86	0.00186	0.00176	0.00168	0.00160	0.00152	0.00145				
0.87	0.00184	0.00174	0.00166	0.00158	0.00150	0.00143				
0.88	0.00182	0.00172	0.00164	0.00156	0.00149	0.00142				
0.89	0.00179	0.00170	0.00162	0.00154	0.00147	0.00140				
0.90	0.00177	0.00169	0.00160	0.00153	0.00145	0.00138				
0.91	0.00176	0.00167	0.00159	0.00151	0.00144	0.00137				
0.92	0.00174	0.00165	0.00157	0.00149	0.00142	0.00135				
0.93	0.00172	0.00163	0.00155	0.00148	0.00141	0.00134				
0.94	0.00170	0.00161	0.00153	0.00146	0.00139	0.00133				
0.95	0.00168	0.00160	0.00152	0.00145	0.00138	0.00131				
0.96	0.00166	0.00158	0.00150	0.00143	0.00136	0.00130				
0.97	0.00165	0.00156	0.00149	0.00142	0.00135	0.00128				
0.98	0.00163	0.00155	0.00147	0.00140	0.00133	0.00127				
0.99	0.00161	0.00153	0.00146	0.00139	0.00132	0.00126				
1.00	0.00160	0.00152	0.00144	0.00137	0.00131	0.00125				