



电阻-温度对应表 (R - T table)

最低温度:	-50 °C	标称B(100/200)	4300 ± 1%	K	参考B25/100:	4084.96
最高温度:	350 °C	零功率电阻:	6282 ± 2%	OHM	参考B25/200:	4183.17
温度梯度:	1 °C	零功率温度点:	100 ± 0.01	°C	材料编号:	#REF!

温度 (T)	最小值(欧姆) (MIN)	中间值(欧姆) (NOR)	最大值(欧姆) (MAX)	温度系数 (α)	温度负公差 (°C)	温度正公差 (°C)	电阻负公差 %	电阻正公差 %
-50	6188043.2532	6771000.0000	7405911.7799	-7.14	-1.31	1.21	-8.61	9.38
-49	5767267.5543	6306097.0632	6892510.7171	-7.09	-1.31	1.21	-8.54	9.30
-48	5377801.9468	5876092.6574	6417985.2427	-7.04	-1.31	1.20	-8.48	9.22
-47	5017128.5860	5478157.5982	5979158.4115	-6.99	-1.31	1.20	-8.42	9.15
-46	4682946.4428	5109708.1682	5573130.9841	-6.94	-1.31	1.20	-8.35	9.07
-45	4373151.4529	4768383.4835	5197255.6400	-6.89	-1.31	1.20	-8.29	8.99
-44	4085818.5869	4452025.0650	4849113.7202	-6.84	-1.30	1.20	-8.23	8.92
-43	3819185.6472	4158658.3899	4526494.2385	-6.79	-1.30	1.20	-8.16	8.85
-42	3571638.6144	3886476.2203	4227374.9284	-6.75	-1.30	1.20	-8.10	8.77
-41	3341698.3899	3633823.5297	3949905.1187	-6.70	-1.30	1.20	-8.04	8.70
-40	3128008.7920	3399183.8652	3692390.2511	-6.65	-1.30	1.20	-7.98	8.63
-39	2929325.6833	3181167.0029	3453277.8751	-6.61	-1.29	1.20	-7.92	8.55
-38	2744507.1144	2978497.7660	3231144.9716	-6.56	-1.29	1.20	-7.86	8.48
-37	2572504.3870	2790005.8909	3024686.4717	-6.52	-1.29	1.20	-7.80	8.41
-36	2412353.9427	2614616.8382	2832704.8538	-6.47	-1.29	1.20	-7.74	8.34
-35	2263169.9996	2451343.4556	2654100.7103	-6.43	-1.29	1.19	-7.68	8.27
-34	2124137.8636	2299278.4085	2487864.1909	-6.38	-1.29	1.19	-7.62	8.20
-33	1994507.8481	2157587.3060	2333067.2347	-6.34	-1.28	1.19	-7.56	8.13
-32	1873589.7452	2025502.4527	2188856.5158	-6.30	-1.28	1.19	-7.50	8.06
-31	1760747.7944	1902317.1679	2054447.0335	-6.25	-1.28	1.19	-7.44	8.00
-30	1655396.1034	1787380.6172	1929116.2836	-6.21	-1.28	1.19	-7.38	7.93
-29	1556994.4758	1680093.1076	1812198.9570	-6.17	-1.27	1.19	-7.33	7.86
-28	1465044.6093	1579901.8030	1703082.1146	-6.13	-1.27	1.19	-7.27	7.80
-27	1379086.6298	1486296.8196	1601200.7927	-6.09	-1.27	1.19	-7.21	7.73
-26	1298695.9285	1398807.6669	1506033.9998	-6.05	-1.27	1.18	-7.16	7.67

-25	1223480.2755	1317000.0000	1417101.0674	-6.01	-1.27	1.18	-7.10	7.60
-24	1153077.1846	1240472.6575	1333958.3209	-5.97	-1.26	1.18	-7.05	7.54
-23	1087151.5043	1168854.9553	1256196.0429	-5.93	-1.26	1.18	-6.99	7.47
-22	1025393.2170	1101804.2152	1183435.7001	-5.89	-1.26	1.18	-6.94	7.41
-21	967515.4254	1039003.5059	1115327.4103	-5.85	-1.26	1.18	-6.88	7.35
-20	913252.5109	980159.5772	1051547.6281	-5.81	-1.25	1.17	-6.83	7.28
-19	862358.4467	925000.9707	991797.0285	-5.77	-1.25	1.17	-6.77	7.22
-18	814605.2539	873276.2890	935798.5708	-5.74	-1.25	1.17	-6.72	7.16
-17	769781.5859	824752.6128	883295.7270	-5.70	-1.25	1.17	-6.67	7.10
-16	727691.4316	779214.0487	834050.8593	-5.66	-1.24	1.17	-6.61	7.04
-15	688152.9249	736460.3993	787843.7345	-5.62	-1.24	1.17	-6.56	6.98
-14	650997.2535	696305.9436	744470.1614	-5.59	-1.24	1.16	-6.51	6.92
-13	616067.6563	658578.3172	703740.7424	-5.55	-1.24	1.16	-6.45	6.86
-12	583218.5031	623117.4855	665479.7275	-5.52	-1.23	1.16	-6.40	6.80
-11	552314.4489	589774.7999	629523.9632	-5.48	-1.23	1.16	-6.35	6.74
-10	523229.6561	558412.1315	595721.9270	-5.45	-1.23	1.16	-6.30	6.68
-9	495847.0799	528901.0746	563932.8405	-5.41	-1.22	1.15	-6.25	6.62
-8	470057.8102	501122.2138	534025.8545	-5.38	-1.22	1.15	-6.20	6.57
-7	445760.4666	474964.4506	505879.3000	-5.34	-1.22	1.15	-6.15	6.51
-6	422860.6403	450324.3830	479379.9985	-5.31	-1.22	1.15	-6.10	6.45
-5	401270.3806	427105.7349	454422.6284	-5.28	-1.21	1.15	-6.05	6.40
-4	380907.7218	405218.8297	430909.1406	-5.24	-1.21	1.14	-6.00	6.34
-3	361696.2466	384580.1064	408748.2213	-5.21	-1.21	1.14	-5.95	6.28
-2	343564.6836	365111.6719	387854.7962	-5.18	-1.20	1.14	-5.90	6.23
-1	326446.5355	346740.8899	368149.5742	-5.15	-1.20	1.14	-5.85	6.17
0	310279.7365	329400.0000	349558.6257	-5.11	-1.20	1.13	-5.80	6.12
1	294759.7535	312761.4820	331729.8768	-5.17	-1.17	1.11	-5.76	6.06
2	280104.9016	297058.5620	314912.3463	-5.14	-1.17	1.11	-5.71	6.01
3	266262.3563	282233.6576	299043.3055	-5.10	-1.17	1.11	-5.66	5.96
4	253182.7838	268233.0192	284064.2320	-5.07	-1.16	1.11	-5.61	5.90
5	240820.0932	255006.4568	269920.5071	-5.04	-1.16	1.10	-5.56	5.85
6	229131.2084	242507.0870	256561.1371	-5.01	-1.16	1.10	-5.52	5.80
7	218075.8562	230691.0998	243938.4952	-4.98	-1.15	1.10	-5.47	5.74
8	207616.3705	219517.5423	232008.0835	-4.95	-1.15	1.10	-5.42	5.69
9	197717.5114	208948.1187	220728.3121	-4.92	-1.15	1.09	-5.37	5.64
10	188346.2976	198947.0054	210060.2959	-4.89	-1.14	1.09	-5.33	5.59
11	179471.8504	189480.6801	199967.6656	-4.86	-1.14	1.09	-5.28	5.53

12	171065.2506	180517.7627	190416.3930	-4.83	-1.14	1.08	-5.24	5.48
13	163099.4041	172028.8685	181374.6296	-4.80	-1.13	1.08	-5.19	5.43
14	155548.9189	163986.4719	172812.5565	-4.77	-1.13	1.08	-5.15	5.38
15	148389.9898	156364.7804	164702.2459	-4.75	-1.12	1.07	-5.10	5.33
16	141600.2919	149139.6171	157017.5319	-4.72	-1.12	1.07	-5.06	5.28
17	135158.8818	142288.3120	149733.8916	-4.69	-1.12	1.07	-5.01	5.23
18	129046.1056	135789.6013	142828.3341	-4.66	-1.11	1.07	-4.97	5.18
19	123243.5138	129623.5333	136279.2976	-4.63	-1.11	1.06	-4.92	5.13
20	117733.7814	123771.3820	130066.5543	-4.61	-1.10	1.06	-4.88	5.09
21	112500.6347	118215.5656	124171.1214	-4.58	-1.10	1.06	-4.83	5.04
22	107528.7825	112939.5713	118575.1790	-4.55	-1.10	1.05	-4.79	4.99
23	102803.8523	107927.8860	113261.9931	-4.53	-1.09	1.05	-4.75	4.94
24	98312.3308	103165.9307	108215.8452	-4.50	-1.09	1.05	-4.70	4.89
25	94041.5087	98640.0000	103421.9654	-4.47	-1.08	1.04	-4.66	4.85
26	89979.4294	94337.2061	98866.4710	-4.45	-1.08	1.04	-4.62	4.80
27	86114.8406	90245.4260	94536.3093	-4.42	-1.08	1.04	-4.58	4.75
28	82437.1501	86353.2528	90419.2043	-4.40	-1.07	1.03	-4.53	4.71
29	78936.3836	82649.9503	86503.6066	-4.37	-1.07	1.03	-4.49	4.66
30	75603.1463	79125.4101	82778.6475	-4.35	-1.06	1.02	-4.45	4.62
31	72428.5864	75770.1128	79234.0956	-4.32	-1.06	1.02	-4.41	4.57
32	69404.3615	72575.0901	75860.3168	-4.30	-1.05	1.02	-4.37	4.53
33	66522.6065	69531.8913	72648.2364	-4.27	-1.05	1.01	-4.33	4.48
34	63775.9049	66632.5507	69589.3044	-4.25	-1.04	1.01	-4.29	4.44
35	61157.2605	63869.5575	66675.4628	-4.22	-1.04	1.01	-4.25	4.39
36	58660.0723	61235.8281	63899.1151	-4.20	-1.04	1.00	-4.21	4.35
37	56278.1102	58724.6797	61253.0976	-4.18	-1.03	1.00	-4.17	4.31
38	54005.4921	56329.8060	58730.6531	-4.15	-1.03	0.99	-4.13	4.26
39	51836.6639	54045.2542	56325.4061	-4.13	-1.02	0.99	-4.09	4.22
40	49766.3787	51865.4037	54031.3393	-4.11	-1.02	0.99	-4.05	4.18
41	47789.6792	49784.9460	51842.7718	-4.08	-1.01	0.98	-4.01	4.13
42	45901.8802	47798.8663	49754.3394	-4.06	-1.01	0.98	-3.97	4.09
43	44098.5524	45902.4256	47760.9750	-4.04	-1.00	0.97	-3.93	4.05
44	42375.5075	44091.1444	45857.8910	-4.01	-1.00	0.97	-3.89	4.01
45	40728.7838	42360.7877	44040.5627	-3.99	-0.99	0.96	-3.85	3.97
46	39154.6331	40707.3501	42304.7130	-3.97	-0.99	0.96	-3.81	3.92
47	37649.5085	39127.0428	40646.2972	-3.95	-0.98	0.96	-3.78	3.88
48	36210.0521	37616.2807	39061.4898	-3.93	-0.98	0.95	-3.74	3.84

49	34833.0847	36171.6706	37546.6717	-3.91	-0.97	0.95	-3.70	3.80
50	33515.5954	34790.0000	36098.4177	-3.88	-0.97	0.94	-3.66	3.76
51	32253.6870	33467.1320	34712.3386	-3.87	-0.96	0.94	-3.63	3.72
52	31045.6784	32201.2572	33386.4889	-3.85	-0.96	0.93	-3.59	3.68
53	29889.0162	30989.6543	32117.9703	-3.82	-0.95	0.93	-3.55	3.64
54	28781.2787	29829.7439	30904.0368	-3.80	-0.95	0.92	-3.51	3.60
55	27720.1693	28719.0804	29742.0861	-3.78	-0.94	0.92	-3.48	3.56
56	26703.5093	27655.3446	28629.6512	-3.76	-0.94	0.91	-3.44	3.52
57	25729.2310	26636.3367	27564.3930	-3.74	-0.93	0.91	-3.41	3.48
58	24795.3721	25659.9695	26544.0930	-3.72	-0.93	0.90	-3.37	3.45
59	23900.0696	24724.2624	25566.6467	-3.70	-0.92	0.90	-3.33	3.41
60	23041.5544	23827.3352	24630.0572	-3.69	-0.91	0.89	-3.30	3.37
61	22218.1464	22967.4028	23732.4295	-3.67	-0.91	0.89	-3.26	3.33
62	21428.2492	22142.7702	22871.9643	-3.65	-0.90	0.88	-3.23	3.29
63	20670.3461	21351.8271	22046.9535	-3.63	-0.90	0.88	-3.19	3.26
64	19942.9953	20593.0435	21255.7746	-3.61	-0.89	0.87	-3.16	3.22
65	19244.8264	19864.9658	20496.8863	-3.59	-0.89	0.87	-3.12	3.18
66	18574.5362	19166.2120	19768.8243	-3.57	-0.88	0.86	-3.09	3.14
67	17930.8853	18495.4683	19070.1969	-3.55	-0.87	0.86	-3.05	3.11
68	17312.6946	17851.4853	18399.6809	-3.53	-0.87	0.85	-3.02	3.07
69	16718.8422	17233.0747	17756.0186	-3.52	-0.86	0.85	-2.98	3.03
70	16148.2605	16639.1061	17138.0136	-3.50	-0.86	0.84	-2.95	3.00
71	15599.9331	16068.5036	16544.5280	-3.48	-0.85	0.84	-2.92	2.96
72	15072.8923	15520.2434	15974.4791	-3.46	-0.85	0.83	-2.88	2.93
73	14566.2168	14993.3507	15426.8366	-3.45	-0.84	0.83	-2.85	2.89
74	14079.0286	14486.8976	14900.6199	-3.43	-0.83	0.82	-2.82	2.86
75	13610.4916	14000.0000	14394.8952	-3.41	-0.83	0.82	-2.78	2.82
76	13159.8088	13531.8161	13908.7736	-3.39	-0.82	0.81	-2.75	2.79
77	12726.2209	13081.5436	13441.4083	-3.38	-0.81	0.80	-2.72	2.75
78	12309.0037	12648.4180	12991.9926	-3.36	-0.81	0.80	-2.68	2.72
79	11907.4670	12231.7108	12559.7579	-3.34	-0.80	0.79	-2.65	2.68
80	11520.9523	11830.7272	12143.9717	-3.32	-0.80	0.79	-2.62	2.65
81	11148.8317	11444.8047	11743.9357	-3.31	-0.79	0.78	-2.59	2.61
82	10790.5059	11073.3117	11358.9842	-3.29	-0.78	0.78	-2.55	2.58
83	10445.4032	10715.6455	10988.4823	-3.28	-0.78	0.77	-2.52	2.55
84	10112.9779	10371.2310	10631.8245	-3.26	-0.77	0.76	-2.49	2.51
85	9792.7090	10039.5194	10288.4333	-3.24	-0.76	0.76	-2.46	2.48

86	9484.0991	9719.9871	9957.7573	-3.23	-0.76	0.75	-2.43	2.45
87	9186.6732	9412.1339	9639.2705	-3.21	-0.75	0.75	-2.40	2.41
88	8899.9776	9115.4823	9332.4709	-3.19	-0.75	0.74	-2.36	2.38
89	8623.5787	8829.5765	9036.8789	-3.18	-0.74	0.73	-2.33	2.35
90	8357.0623	8553.9807	8752.0369	-3.16	-0.73	0.73	-2.30	2.32
91	8100.0325	8288.2788	8477.5076	-3.15	-0.73	0.72	-2.27	2.28
92	7852.1110	8032.0731	8212.8733	-3.13	-0.72	0.72	-2.24	2.25
93	7612.9359	7784.9835	7957.7348	-3.12	-0.71	0.71	-2.21	2.22
94	7382.1612	7546.6466	7711.7109	-3.10	-0.71	0.70	-2.18	2.19
95	7159.4561	7316.7149	7474.4371	-3.09	-0.70	0.70	-2.15	2.16
96	6944.5039	7094.8564	7245.5647	-3.07	-0.69	0.69	-2.12	2.12
97	6737.0019	6880.7531	7024.7606	-3.06	-0.68	0.68	-2.09	2.09
98	6536.6602	6674.1011	6811.7061	-3.04	-0.68	0.68	-2.06	2.06
99	6343.2014	6474.6095	6606.0965	-3.03	-0.67	0.67	-2.03	2.03
100	6156.3600	6282.0000	6407.6400	-3.01	-0.66	0.66	-2.00	2.00
101	5972.1049	6095.8182	6219.6055	-3.00	-0.68	0.68	-2.03	2.03
102	5794.1920	5915.9911	6037.9344	-2.99	-0.69	0.69	-2.06	2.06
103	5622.3771	5742.2756	5862.3851	-2.97	-0.70	0.70	-2.09	2.09
104	5456.4259	5574.4389	5692.7262	-2.96	-0.72	0.72	-2.12	2.12
105	5296.1145	5412.2579	5528.7360	-2.95	-0.73	0.73	-2.15	2.15
106	5141.2280	5255.5190	5370.2018	-2.93	-0.74	0.74	-2.17	2.18
107	4991.5607	5104.0174	5216.9199	-2.92	-0.76	0.75	-2.20	2.21
108	4846.9156	4957.5566	5068.6950	-2.90	-0.77	0.77	-2.23	2.24
109	4707.1035	4815.9485	4925.3395	-2.89	-0.79	0.78	-2.26	2.27
110	4571.9436	4679.0127	4786.6738	-2.88	-0.80	0.80	-2.29	2.30
111	4441.2620	4546.5760	4652.5255	-2.86	-0.81	0.81	-2.32	2.33
112	4314.8923	4418.4724	4522.7291	-2.85	-0.83	0.82	-2.34	2.36
113	4192.6749	4294.5427	4397.1259	-2.84	-0.84	0.84	-2.37	2.39
114	4074.4566	4174.6341	4275.5637	-2.83	-0.86	0.85	-2.40	2.42
115	3960.0904	4058.5999	4157.8960	-2.81	-0.87	0.86	-2.43	2.45
116	3849.4354	3946.2994	4043.9827	-2.80	-0.88	0.88	-2.45	2.48
117	3742.3562	3837.5976	3933.6887	-2.79	-0.90	0.89	-2.48	2.50
118	3638.7232	3732.3647	3826.8848	-2.77	-0.91	0.90	-2.51	2.53
119	3538.4115	3630.4763	3723.4465	-2.76	-0.93	0.92	-2.54	2.56
120	3441.3015	3531.8126	3623.2544	-2.75	-0.94	0.93	-2.56	2.59
121	3347.2784	3436.2589	3526.1937	-2.74	-0.96	0.95	-2.59	2.62
122	3256.2317	3343.7047	3432.1542	-2.72	-0.97	0.96	-2.62	2.65

123	3168.0554	3254.0441	3341.0299	-2.71	-0.99	0.97	-2.64	2.67
124	3082.6478	3167.1752	3252.7188	-2.70	-1.00	0.99	-2.67	2.70
125	2999.9109	3083.0000	3167.1231	-2.69	-1.02	1.00	-2.70	2.73
126	2919.7508	3001.4244	3084.1485	-2.68	-1.03	1.02	-2.72	2.76
127	2842.0770	2922.3579	3003.7046	-2.66	-1.05	1.03	-2.75	2.78
128	2766.8027	2845.7135	2925.7042	-2.65	-1.06	1.05	-2.77	2.81
129	2693.8444	2771.4076	2850.0636	-2.64	-1.08	1.06	-2.80	2.84
130	2623.1217	2699.3596	2776.7021	-2.63	-1.09	1.07	-2.82	2.87
131	2554.5575	2629.4921	2705.5422	-2.62	-1.11	1.09	-2.85	2.89
132	2488.0775	2561.7307	2636.5092	-2.60	-1.12	1.10	-2.88	2.92
133	2423.6103	2496.0038	2569.5314	-2.59	-1.14	1.12	-2.90	2.95
134	2361.0870	2432.2422	2504.5396	-2.58	-1.15	1.13	-2.93	2.97
135	2300.4416	2370.3798	2441.4673	-2.57	-1.17	1.15	-2.95	3.00
136	2241.6104	2310.3525	2380.2502	-2.56	-1.18	1.16	-2.98	3.03
137	2184.5321	2252.0989	2320.8268	-2.55	-1.20	1.18	-3.00	3.05
138	2129.1478	2195.5597	2263.1376	-2.54	-1.21	1.19	-3.02	3.08
139	2075.4007	2140.6780	2207.1252	-2.53	-1.23	1.21	-3.05	3.10
140	2023.2360	2087.3987	2152.7346	-2.51	-1.24	1.22	-3.07	3.13
141	1972.6013	2035.6689	2099.9126	-2.50	-1.26	1.24	-3.10	3.16
142	1923.4457	1985.4377	2048.6080	-2.49	-1.28	1.25	-3.12	3.18
143	1875.7204	1936.6560	1998.7714	-2.48	-1.29	1.27	-3.15	3.21
144	1829.3784	1889.2764	1950.3551	-2.47	-1.31	1.28	-3.17	3.23
145	1784.3743	1843.2533	1903.3135	-2.46	-1.32	1.30	-3.19	3.26
146	1740.6644	1798.5427	1857.6021	-2.45	-1.34	1.31	-3.22	3.28
147	1698.2066	1755.1022	1813.1784	-2.44	-1.36	1.33	-3.24	3.31
148	1656.9603	1712.8910	1770.0013	-2.43	-1.37	1.34	-3.27	3.33
149	1616.8864	1671.8696	1728.0310	-2.42	-1.39	1.36	-3.29	3.36
150	1577.9471	1632.0000	1687.2293	-2.41	-1.41	1.38	-3.31	3.38
151	1540.1335	1593.2737	1647.5880	-2.40	-1.42	1.39	-3.34	3.41
152	1503.3799	1555.6239	1609.0395	-2.39	-1.44	1.41	-3.36	3.43
153	1467.6526	1519.0167	1571.5496	-2.38	-1.46	1.42	-3.38	3.46
154	1432.9192	1483.4195	1535.0852	-2.37	-1.47	1.44	-3.40	3.48
155	1399.1484	1448.8005	1499.6146	-2.36	-1.49	1.45	-3.43	3.51
156	1366.3100	1415.1295	1465.1071	-2.35	-1.51	1.47	-3.45	3.53
157	1334.3747	1382.3768	1431.5329	-2.34	-1.52	1.49	-3.47	3.56
158	1303.3145	1350.5142	1398.8634	-2.33	-1.54	1.50	-3.49	3.58
159	1273.1022	1319.5141	1367.0709	-2.32	-1.56	1.52	-3.52	3.60

160	1243.7115	1289.3500	1336.1286	-2.31	-1.57	1.53	-3.54	3.63
161	1215.1171	1259.9965	1306.0109	-2.30	-1.59	1.55	-3.56	3.65
162	1187.2945	1231.4287	1276.6925	-2.29	-1.61	1.57	-3.58	3.68
163	1160.2201	1203.6227	1248.1495	-2.28	-1.62	1.58	-3.61	3.70
164	1133.8710	1176.5555	1220.3586	-2.27	-1.64	1.60	-3.63	3.72
165	1108.2253	1150.2049	1193.2971	-2.26	-1.66	1.61	-3.65	3.75
166	1083.2615	1124.5491	1166.9434	-2.25	-1.67	1.63	-3.67	3.77
167	1058.9591	1099.5675	1141.2763	-2.24	-1.69	1.65	-3.69	3.79
168	1035.2982	1075.2398	1116.2756	-2.23	-1.71	1.66	-3.71	3.82
169	1012.2596	1051.5466	1091.9214	-2.22	-1.73	1.68	-3.74	3.84
170	989.8246	1028.4691	1068.1948	-2.21	-1.74	1.70	-3.76	3.86
171	967.9753	1005.9890	1045.0774	-2.21	-1.76	1.71	-3.78	3.89
172	946.6942	984.0888	1022.5513	-2.20	-1.78	1.73	-3.80	3.91
173	925.9647	962.7515	1000.5993	-2.19	-1.80	1.75	-3.82	3.93
174	905.7704	941.9605	979.2048	-2.18	-1.81	1.76	-3.84	3.95
175	886.0956	921.7000	958.3515	-2.17	-1.83	1.78	-3.86	3.98
176	866.9251	901.9545	938.0240	-2.16	-1.85	1.80	-3.88	4.00
177	848.2442	882.7091	918.2070	-2.15	-1.87	1.81	-3.90	4.02
178	830.0386	863.9494	898.8859	-2.14	-1.89	1.83	-3.93	4.04
179	812.2946	845.6614	880.0467	-2.14	-1.90	1.85	-3.95	4.07
180	794.9989	827.8316	861.6755	-2.13	-1.92	1.86	-3.97	4.09
181	778.1385	810.4469	843.7591	-2.12	-1.94	1.88	-3.99	4.11
182	761.7010	793.4947	826.2847	-2.11	-1.96	1.90	-4.01	4.13
183	745.6743	776.9625	809.2398	-2.10	-1.98	1.92	-4.03	4.15
184	730.0466	760.8387	792.6123	-2.09	-2.00	1.93	-4.05	4.18
185	714.8067	745.1116	776.3906	-2.08	-2.01	1.95	-4.07	4.20
186	699.9436	729.7701	760.5633	-2.08	-2.03	1.97	-4.09	4.22
187	685.4466	714.8035	745.1195	-2.07	-2.05	1.99	-4.11	4.24
188	671.3054	700.2012	730.0486	-2.06	-2.07	2.00	-4.13	4.26
189	657.5102	685.9531	715.3402	-2.05	-2.09	2.02	-4.15	4.28
190	644.0511	672.0494	700.9844	-2.04	-2.11	2.04	-4.17	4.31
191	630.9190	658.4807	686.9716	-2.04	-2.13	2.06	-4.19	4.33
192	618.1046	645.2376	673.2923	-2.03	-2.14	2.07	-4.21	4.35
193	605.5992	632.3113	659.9374	-2.02	-2.16	2.09	-4.22	4.37
194	593.3944	619.6930	646.8982	-2.01	-2.18	2.11	-4.24	4.39
195	581.4818	607.3744	634.1662	-2.00	-2.20	2.13	-4.26	4.41
196	569.8535	595.3473	621.7329	-2.00	-2.22	2.15	-4.28	4.43

197	558.5017	583.6039	609.5905	-1.99	-2.24	2.16	-4.30	4.45
198	547.4188	572.1364	597.7310	-1.98	-2.26	2.18	-4.32	4.47
199	536.5976	560.9375	586.1470	-1.97	-2.28	2.20	-4.34	4.49
200	526.0311	550.0000	574.8310	-1.97	-2.30	2.22	-4.36	4.51
201	515.7092	539.3136	563.7727	-1.96	-2.32	2.23	-4.38	4.54
202	505.6288	528.8752	552.9690	-1.95	-2.34	2.25	-4.40	4.56
203	495.7836	518.6783	542.4132	-1.94	-2.36	2.27	-4.41	4.58
204	486.1672	508.7165	532.0987	-1.94	-2.37	2.29	-4.43	4.60
205	476.7735	498.9835	522.0192	-1.93	-2.39	2.31	-4.45	4.62
206	467.5967	489.4733	512.1685	-1.92	-2.41	2.33	-4.47	4.64
207	458.6309	480.1801	502.5407	-1.91	-2.43	2.35	-4.49	4.66
208	449.8706	471.0981	493.1300	-1.91	-2.45	2.36	-4.51	4.68
209	441.3104	462.2219	483.9307	-1.90	-2.47	2.38	-4.52	4.70
210	432.9450	453.5461	474.9374	-1.89	-2.49	2.40	-4.54	4.72
211	424.7695	445.0655	466.1448	-1.88	-2.51	2.42	-4.56	4.74
212	416.7787	436.7751	457.5477	-1.88	-2.53	2.44	-4.58	4.76
213	408.9680	428.6699	449.1412	-1.87	-2.55	2.46	-4.60	4.78
214	401.3326	420.7452	440.9203	-1.86	-2.57	2.48	-4.61	4.80
215	393.8680	412.9963	432.8804	-1.86	-2.60	2.50	-4.63	4.81
216	386.5700	405.4189	425.0168	-1.85	-2.62	2.52	-4.65	4.83
217	379.4340	398.0084	417.3251	-1.84	-2.64	2.53	-4.67	4.85
218	372.4562	390.7608	409.8010	-1.83	-2.66	2.55	-4.68	4.87
219	365.6323	383.6718	402.4403	-1.83	-2.68	2.57	-4.70	4.89
220	358.9585	376.7375	395.2388	-1.82	-2.70	2.59	-4.72	4.91
221	352.4311	369.9539	388.1927	-1.81	-2.72	2.61	-4.74	4.93
222	346.0462	363.3174	381.2979	-1.81	-2.74	2.63	-4.75	4.95
223	339.8004	356.8242	374.5509	-1.80	-2.76	2.65	-4.77	4.97
224	333.6901	350.4707	367.9480	-1.79	-2.78	2.67	-4.79	4.99
225	327.7120	344.2536	361.4855	-1.79	-2.80	2.69	-4.81	5.01
226	321.8628	338.1694	355.1600	-1.78	-2.82	2.71	-4.82	5.02
227	316.1392	332.2148	348.9683	-1.77	-2.84	2.73	-4.84	5.04
228	310.5381	326.3867	342.9070	-1.77	-2.87	2.75	-4.86	5.06
229	305.0566	320.6820	336.9729	-1.76	-2.89	2.77	-4.87	5.08
230	299.6917	315.0976	331.1630	-1.75	-2.91	2.79	-4.89	5.10
231	294.4405	309.6307	325.4743	-1.75	-2.93	2.81	-4.91	5.12
232	289.3002	304.2783	319.9038	-1.74	-2.95	2.83	-4.92	5.14
233	284.2682	299.0377	314.4487	-1.73	-2.97	2.85	-4.94	5.15

234	279.3418	293.9062	309.1063	-1.73	-2.99	2.87	-4.96	5.17
235	274.5185	288.8812	303.8738	-1.72	-3.02	2.89	-4.97	5.19
236	269.7957	283.9602	298.7487	-1.72	-3.04	2.91	-4.99	5.21
237	265.1711	279.1405	293.7283	-1.71	-3.06	2.93	-5.00	5.23
238	260.6423	274.4199	288.8103	-1.70	-3.08	2.95	-5.02	5.24
239	256.2070	269.7960	283.9921	-1.70	-3.10	2.97	-5.04	5.26
240	251.8629	265.2665	279.2715	-1.69	-3.12	2.99	-5.05	5.28
241	247.6080	260.8291	274.6462	-1.68	-3.15	3.01	-5.07	5.30
242	243.4400	256.4817	270.1139	-1.68	-3.17	3.03	-5.08	5.32
243	239.3570	252.2222	265.6725	-1.67	-3.19	3.05	-5.10	5.33
244	235.3569	248.0485	261.3198	-1.67	-3.21	3.07	-5.12	5.35
245	231.4378	243.9586	257.0538	-1.66	-3.23	3.09	-5.13	5.37
246	227.5978	239.9506	252.8726	-1.65	-3.26	3.11	-5.15	5.39
247	223.8351	236.0225	248.7741	-1.65	-3.28	3.13	-5.16	5.40
248	220.1477	232.1726	244.7564	-1.64	-3.30	3.15	-5.18	5.42
249	216.5341	228.3990	240.8177	-1.64	-3.32	3.18	-5.19	5.44
250	212.9924	224.7000	236.9563	-1.63	-3.35	3.20	-5.21	5.45
251	209.5211	221.0738	233.1702	-1.62	-3.37	3.22	-5.23	5.47
252	206.1185	217.5189	229.4580	-1.62	-3.39	3.24	-5.24	5.49
253	202.7831	214.0335	225.8178	-1.61	-3.41	3.26	-5.26	5.51
254	199.5132	210.6161	222.2480	-1.61	-3.44	3.28	-5.27	5.52
255	196.3074	207.2652	218.7471	-1.60	-3.46	3.30	-5.29	5.54
256	193.1643	203.9792	215.3135	-1.60	-3.48	3.32	-5.30	5.56
257	190.0824	200.7568	211.9457	-1.59	-3.51	3.34	-5.32	5.57
258	187.0604	197.5964	208.6423	-1.58	-3.53	3.37	-5.33	5.59
259	184.0968	194.4967	205.4018	-1.58	-3.55	3.39	-5.35	5.61
260	181.1905	191.4563	202.2228	-1.57	-3.58	3.41	-5.36	5.62
261	178.3400	188.4739	199.1040	-1.57	-3.60	3.43	-5.38	5.64
262	175.5443	185.5483	196.0440	-1.56	-3.62	3.45	-5.39	5.66
263	172.8019	182.6781	193.0416	-1.56	-3.65	3.47	-5.41	5.67
264	170.1118	179.8622	190.0954	-1.55	-3.67	3.50	-5.42	5.69
265	167.4728	177.0994	187.2044	-1.55	-3.69	3.52	-5.44	5.71
266	164.8838	174.3884	184.3672	-1.54	-3.72	3.54	-5.45	5.72
267	162.3436	171.7282	181.5827	-1.53	-3.74	3.56	-5.46	5.74
268	159.8513	169.1177	178.8498	-1.53	-3.76	3.58	-5.48	5.75
269	157.4057	166.5558	176.1673	-1.52	-3.79	3.61	-5.49	5.77
270	155.0058	164.0414	173.5342	-1.52	-3.81	3.63	-5.51	5.79

271	152.6507	161.5734	170.9493	-1.51	-3.83	3.65	-5.52	5.80
272	150.3393	159.1510	168.4118	-1.51	-3.86	3.67	-5.54	5.82
273	148.0708	156.7731	165.9205	-1.50	-3.88	3.69	-5.55	5.83
274	145.8442	154.4388	163.4745	-1.50	-3.91	3.72	-5.57	5.85
275	143.6585	152.1471	161.0728	-1.49	-3.93	3.74	-5.58	5.87
276	141.5130	149.8972	158.7145	-1.49	-3.96	3.76	-5.59	5.88
277	139.4068	147.6881	156.3987	-1.48	-3.98	3.78	-5.61	5.90
278	137.3390	145.5189	154.1244	-1.48	-4.00	3.81	-5.62	5.91
279	135.3088	143.3890	151.8909	-1.47	-4.03	3.83	-5.64	5.93
280	133.3154	141.2973	149.6972	-1.47	-4.05	3.85	-5.65	5.94
281	131.3580	139.2432	147.5425	-1.46	-4.08	3.87	-5.66	5.96
282	129.4360	137.2257	145.4261	-1.46	-4.10	3.90	-5.68	5.98
283	127.5484	135.2443	143.3471	-1.45	-4.13	3.92	-5.69	5.99
284	125.6947	133.2980	141.3047	-1.45	-4.15	3.94	-5.70	6.01
285	123.8741	131.3863	139.2982	-1.44	-4.18	3.96	-5.72	6.02
286	122.0859	129.5083	137.3269	-1.44	-4.20	3.99	-5.73	6.04
287	120.3295	127.6633	135.3900	-1.43	-4.23	4.01	-5.74	6.05
288	118.6041	125.8508	133.4869	-1.43	-4.25	4.03	-5.76	6.07
289	116.9092	124.0700	131.6168	-1.42	-4.28	4.06	-5.77	6.08
290	115.2441	122.3203	129.7791	-1.42	-4.30	4.08	-5.78	6.10
291	113.6082	120.6010	127.9731	-1.41	-4.33	4.10	-5.80	6.11
292	112.0009	118.9116	126.1982	-1.41	-4.35	4.13	-5.81	6.13
293	110.4216	117.2513	124.4537	-1.40	-4.38	4.15	-5.82	6.14
294	108.8698	115.6198	122.7391	-1.40	-4.40	4.17	-5.84	6.16
295	107.3449	114.0162	121.0537	-1.39	-4.43	4.20	-5.85	6.17
296	105.8463	112.4402	119.3970	-1.39	-4.45	4.22	-5.86	6.19
297	104.3736	110.8910	117.7684	-1.38	-4.48	4.24	-5.88	6.20
298	102.9261	109.3683	116.1673	-1.38	-4.50	4.27	-5.89	6.22
299	101.5035	107.8715	114.5932	-1.38	-4.53	4.29	-5.90	6.23
300	100.1051	106.4000	113.0455	-1.37	-4.55	4.31	-5.92	6.25
301	98.7305	104.9534	111.5238	-1.37	-4.58	4.34	-5.93	6.26
302	97.3793	103.5311	110.0275	-1.36	-4.61	4.36	-5.94	6.27
303	96.0509	102.1327	108.5561	-1.36	-4.63	4.39	-5.95	6.29
304	94.7450	100.7577	107.1092	-1.35	-4.66	4.41	-5.97	6.30
305	93.4610	99.4057	105.6862	-1.35	-4.68	4.43	-5.98	6.32
306	92.1986	98.0762	104.2868	-1.34	-4.71	4.46	-5.99	6.33
307	90.9573	96.7688	102.9103	-1.34	-4.74	4.48	-6.01	6.35

308	89.7367	95.4829	101.5565	-1.34	-4.76	4.51	-6.02	6.36
309	88.5364	94.2183	100.2248	-1.33	-4.79	4.53	-6.03	6.38
310	87.3560	92.9746	98.9149	-1.33	-4.82	4.55	-6.04	6.39
311	86.1951	91.7512	97.6262	-1.32	-4.84	4.58	-6.06	6.40
312	85.0534	90.5478	96.3585	-1.32	-4.87	4.60	-6.07	6.42
313	83.9304	89.3640	95.1113	-1.31	-4.90	4.63	-6.08	6.43
314	82.8259	88.1995	93.8843	-1.31	-4.92	4.65	-6.09	6.45
315	81.7394	87.0539	92.6769	-1.31	-4.95	4.68	-6.10	6.46
316	80.6706	85.9268	91.4889	-1.30	-4.98	4.70	-6.12	6.47
317	79.6191	84.8179	90.3200	-1.30	-5.00	4.73	-6.13	6.49
318	78.5847	83.7268	89.1696	-1.29	-5.03	4.75	-6.14	6.50
319	77.5671	82.6532	88.0376	-1.29	-5.06	4.78	-6.15	6.51
320	76.5658	81.5967	86.9235	-1.28	-5.08	4.80	-6.17	6.53
321	75.5806	80.5571	85.8270	-1.28	-5.11	4.83	-6.18	6.54
322	74.6112	79.5341	84.7479	-1.28	-5.14	4.85	-6.19	6.56
323	73.6572	78.5272	83.6857	-1.27	-5.16	4.88	-6.20	6.57
324	72.7185	77.5362	82.6401	-1.27	-5.19	4.90	-6.21	6.58
325	71.7947	76.5609	81.6109	-1.26	-5.22	4.93	-6.23	6.60
326	70.8855	75.6009	80.5977	-1.26	-5.25	4.95	-6.24	6.61
327	69.9906	74.6559	79.6003	-1.26	-5.27	4.98	-6.25	6.62
328	69.1099	73.7257	78.6184	-1.25	-5.30	5.00	-6.26	6.64
329	68.2430	72.8100	77.6516	-1.25	-5.33	5.03	-6.27	6.65
330	67.3897	71.9085	76.6997	-1.24	-5.36	5.05	-6.28	6.66
331	66.5497	71.0210	75.7625	-1.24	-5.38	5.08	-6.30	6.68
332	65.7227	70.1472	74.8396	-1.24	-5.41	5.10	-6.31	6.69
333	64.9087	69.2869	73.9309	-1.23	-5.44	5.13	-6.32	6.70
334	64.1072	68.4398	73.0359	-1.23	-5.47	5.15	-6.33	6.72
335	63.3181	67.6056	72.1546	-1.22	-5.50	5.18	-6.34	6.73
336	62.5411	66.7842	71.2867	-1.22	-5.52	5.21	-6.35	6.74
337	61.7761	65.9754	70.4319	-1.22	-5.55	5.23	-6.36	6.75
338	61.0228	65.1788	69.5899	-1.21	-5.58	5.26	-6.38	6.77
339	60.2810	64.3943	68.7606	-1.21	-5.61	5.28	-6.39	6.78
340	59.5505	63.6216	67.9438	-1.21	-5.64	5.31	-6.40	6.79
341	58.8311	62.8606	67.1391	-1.20	-5.66	5.34	-6.41	6.81
342	58.1226	62.1110	66.3465	-1.20	-5.69	5.36	-6.42	6.82
343	57.4248	61.3727	65.5656	-1.19	-5.72	5.39	-6.43	6.83
344	56.7375	60.6453	64.7964	-1.19	-5.75	5.41	-6.44	6.84

345	56.0606	59.9289	64.0385	-1.19	-5.78	5.44	-6.45	6.86
346	55.3937	59.2230	63.2917	-1.18	-5.81	5.47	-6.47	6.87
347	54.7369	58.5277	62.5560	-1.18	-5.84	5.49	-6.48	6.88
348	54.0898	57.8426	61.8310	-1.18	-5.87	5.52	-6.49	6.90
349	53.4523	57.1676	61.1167	-1.17	-5.89	5.55	-6.50	6.91
350	52.8243	56.5025	60.4127	-1.17	-5.92	5.57	-6.51	6.92