

热电值

对照表

蚌埠市热工计量协作组编
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前 言

无产阶级文化大革命的胜利发展，思想和政治路线教育的深入进行，激发了广大工农兵和革命知识分子的社会主义积极性，推动了社会主义建设事业蓬勃发展。

我国仪表战线工人阶级遵照毛主席关于“**打破洋框框，走自己工业发展道路**”的教导，敢想敢干、大胆创新，自行设计、制造了大批新产品。目前工矿企业使用的热工仪表基本上都是国产仪表，这是毛主席无产阶级革命路线的伟大胜利。

随着我国仪表工业的迅速发展，热工仪表的应用日益广泛。编一本适用于现场校对的热电值对照表，是广大热工工人、技术人员和热工仪表检修人员的迫切要求。为此，我们收集了国产常用热电厂的分度表，进行整理并汇编成册。鉴于目前实际使用的热电厂仪表种类较多，书后附录了铂

铂——铂热电偶(LB)分度表、检定电子电位差计时消除 R_w 处温度影响的换算表, 以及温度与电阻换算表。

本书可供冶金、煤炭、机械、化学、水泥、石油、耐火和国防工业中热工工人、技术人员和热工仪表检定维修人员工作时参考之用。

由于时间仓促, 未能广泛征求意见, 加之水平所限, 难免有错误或遗漏之处, 欢迎读者批评指正。

蚌埠市标准计量协作组

一九七一年十一月

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表一 铂铑——铂热电偶分度表

分度号: LB-2

(自由端温度为0°C)

工作端	毫 伏									
温度°C	0	1	2	3	4	5	6	7	8	9
0	0.000	0.005	0.011	0.016	0.022	0.028	0.033	0.039	0.044	0.050
10	0.056	0.061	0.067	0.073	0.078	0.084	0.090	0.096	0.102	0.107
20	0.113	0.119	0.125	0.131	0.137	0.143	0.149	0.155	0.161	0.167
30	0.173	0.179	0.185	0.191	0.198	0.204	0.210	0.216	0.222	0.229
40	0.235	0.241	0.247	0.254	0.260	0.266	0.273	0.279	0.286	0.292
50	0.299	0.305	0.312	0.318	0.325	0.331	0.338	0.344	0.351	0.357
60	0.364	0.371	0.377	0.384	0.391	0.397	0.404	0.411	0.418	0.425
70	0.431	0.438	0.445	0.452	0.459	0.466	0.473	0.479	0.486	0.493
80	0.500	0.507	0.514	0.521	0.528	0.535	0.543	0.550	0.557	0.564
90	0.571	0.578	0.585	0.593	0.600	0.607	0.614	0.621	0.629	0.636
100	0.643	0.651	0.658	0.665	0.673	0.680	0.687	0.694	0.702	0.709
110	0.717	0.724	0.732	0.739	0.747	0.754	0.762	0.769	0.777	0.784
120	0.792	0.800	0.807	0.815	0.823	0.830	0.838	0.845	0.853	0.861
130	0.869	0.876	0.884	0.892	0.900	0.907	0.915	0.923	0.931	0.939
140	0.946	0.954	0.962	0.970	0.978	0.986	0.994	1.002	1.009	1.017
150	1.025	1.033	1.041	1.049	1.057	1.065	1.073	1.081	1.089	1.097
160	1.106	1.114	1.122	1.130	1.138	1.146	1.154	1.162	1.170	1.179
170	1.187	1.195	1.203	1.211	1.220	1.228	1.236	1.244	1.253	1.261
180	1.269	1.277	1.286	1.294	1.302	1.311	1.319	1.327	1.336	1.344

续表一

工作端 温度℃	毫 伏									
	0	1	2	3	4	5	6	7	8	9
180	1.352	1.361	1.369	1.377	1.386	1.394	1.403	1.411	1.419	1.428
200	1.438	1.445	1.453	1.462	1.470	1.479	1.487	1.496	1.504	1.513
210	1.521	1.530	1.538	1.547	1.555	1.564	1.573	1.581	1.590	1.598
220	1.607	1.615	1.624	1.633	1.641	1.650	1.659	1.667	1.676	1.685
230	1.693	1.702	1.710	1.719	1.728	1.736	1.745	1.754	1.763	1.771
240	1.780	1.789	1.798	1.806	1.815	1.824	1.833	1.841	1.850	1.859
250	1.868	1.877	1.885	1.894	1.903	1.912	1.921	1.930	1.938	1.947
260	1.956	1.965	1.974	1.983	1.992	2.001	2.009	2.018	2.027	2.036
270	2.045	2.054	2.063	2.072	2.081	2.090	2.099	2.108	2.117	2.126
280	2.135	2.144	2.153	2.162	2.171	2.180	2.189	2.198	2.207	2.216
290	2.225	2.234	2.243	2.252	2.261	2.271	2.280	2.289	2.298	2.307
300	2.316	2.325	2.334	2.343	2.353	2.362	2.371	2.380	2.389	2.398
310	2.408	2.417	2.426	2.435	2.444	2.453	2.463	2.472	2.481	2.490
320	2.499	2.509	2.518	2.527	2.536	2.546	2.555	2.564	2.573	2.583
330	2.592	2.601	2.610	2.620	2.629	2.638	2.648	2.657	2.666	2.676
340	2.685	2.694	2.704	2.713	2.722	2.731	2.741	2.750	2.760	2.769
350	2.778	2.788	2.797	2.806	2.816	2.825	2.834	2.844	2.853	2.863
360	2.872	2.881	2.891	2.900	2.910	2.919	2.929	2.938	2.947	2.957
370	2.966	2.976	2.985	2.995	3.004	3.014	3.023	3.032	3.042	3.051
380	3.061	3.070	3.080	3.089	3.099	3.108	3.118	3.127	3.137	3.146
390	3.156	3.165	3.175	3.184	3.194	3.203	3.213	3.222	3.232	3.241

续表一

工作端 温度℃	基 伏									
	0	1	2	3	4	5	6	7	8	9
400	3.251	3.261	3.270	3.280	3.289	3.299	3.308	3.318	3.327	3.337
410	3.347	3.356	3.366	3.375	3.385	3.394	3.404	3.414	3.423	3.433
420	3.442	3.452	3.462	3.471	3.481	3.490	3.500	3.510	3.519	3.529
430	3.539	3.548	3.558	3.567	3.577	3.587	3.596	3.606	3.616	3.625
440	3.635	3.645	3.654	3.664	3.674	3.683	3.693	3.703	3.712	3.722
450	3.732	3.741	3.751	3.761	3.771	3.780	3.790	3.800	3.809	3.819
460	3.829	3.839	3.848	3.858	3.868	3.878	3.887	3.897	3.907	3.917
470	3.926	3.936	3.946	3.956	3.965	3.975	3.985	3.995	4.004	4.014
480	4.024	4.034	4.044	4.053	4.063	4.073	4.083	4.093	4.103	4.112
490	4.122	4.132	4.142	4.152	4.162	4.171	4.181	4.191	4.201	4.211
500	4.221	4.230	4.240	4.250	4.260	4.270	4.280	4.290	4.300	4.310
510	4.319	4.329	4.339	4.349	4.359	4.369	4.379	4.389	4.399	4.409
520	4.419	4.428	4.438	4.448	4.458	4.468	4.478	4.488	4.498	4.508
530	4.518	4.528	4.538	4.548	4.558	4.568	4.578	4.588	4.598	4.608
540	4.618	4.628	4.638	4.648	4.658	4.668	4.678	4.688	4.698	4.708
550	4.718	4.728	4.738	4.748	4.758	4.768	4.778	4.788	4.798	4.808
560	4.818	4.828	4.839	4.849	4.859	4.869	4.879	4.889	4.899	4.909
570	4.919	4.929	4.939	4.950	4.960	4.970	4.980	4.990	5.000	5.010
580	5.020	5.031	5.041	5.051	5.061	5.071	5.081	5.091	5.102	5.112
590	5.122	5.132	5.142	5.152	5.163	5.173	5.183	5.193	5.203	5.214
600	5.224	5.234	5.244	5.254	5.265	5.275	5.285	5.295	5.306	5.316

工作端 温度°C	毫 伏									
	0	1	2	3	4	5	6	7	8	9
610	5.326	5.336	5.346	5.357	5.367	5.377	5.388	5.398	5.408	5.418
620	5.429	5.439	5.449	5.459	5.470	5.480	5.490	5.501	5.511	5.521
630	5.532	5.542	5.552	5.563	5.573	5.583	5.593	5.604	5.614	5.624
640	5.635	5.645	5.655	5.666	5.676	5.686	5.697	5.707	5.717	5.728
650	5.738	5.748	5.759	5.769	5.779	5.790	5.800	5.811	5.821	5.831
660	5.842	5.852	5.862	5.873	5.883	5.894	5.904	5.914	5.925	5.935
670	5.946	5.956	5.967	5.977	5.987	5.998	6.008	6.019	6.029	6.040
680	6.050	6.060	6.071	6.081	6.092	6.102	6.113	6.123	6.134	6.144
690	6.155	6.165	6.176	6.186	6.197	6.207	6.218	6.228	6.239	6.249
700	6.260	6.270	6.281	6.291	6.302	6.312	6.323	6.333	6.344	6.355
710	6.365	6.376	6.386	6.397	6.407	6.418	6.429	6.439	6.450	6.460
720	6.471	6.481	6.492	6.503	6.513	6.524	6.534	6.545	6.556	6.566
730	6.577	6.588	6.598	6.609	6.619	6.630	6.641	6.651	6.662	6.673
740	6.683	6.694	6.705	6.715	6.726	6.737	6.747	6.758	6.769	6.779
750	6.790	6.801	6.811	6.822	6.833	6.844	6.854	6.865	6.876	6.886
760	6.897	6.908	6.919	6.929	6.940	6.951	6.962	6.972	6.983	6.994
770	7.005	7.015	7.026	7.037	7.047	7.058	7.069	7.080	7.091	7.102
780	7.112	7.123	7.134	7.145	7.156	7.166	7.177	7.188	7.199	7.210
790	7.220	7.231	7.242	7.253	7.264	7.275	7.286	7.296	7.307	7.318
800	7.329	7.340	7.351	7.362	7.372	7.383	7.394	7.405	7.416	7.427
810	7.438	7.449	7.460	7.470	7.481	7.492	7.503	7.514	7.525	7.536

续表一

工作端 温度℃	毫 伏									
	0	1	2	3	4	5	6	7	8	9
820	7.547	7.558	7.569	7.580	7.591	7.602	7.613	7.623	7.634	7.645
830	7.656	7.667	7.678	7.689	7.700	7.711	7.722	7.733	7.744	7.755
840	7.766	7.777	7.788	7.799	7.810	7.821	7.832	7.843	7.854	7.865
850	7.876	7.887	7.898	7.910	7.921	7.932	7.943	7.954	7.965	7.976
860	7.987	7.998	8.009	8.020	8.031	8.042	8.053	8.064	8.076	8.087
870	8.098	8.109	8.120	8.131	8.142	8.153	8.164	8.176	8.187	8.198
880	8.209	8.220	8.231	8.242	8.254	8.265	8.276	8.287	8.298	8.309
890	8.320	8.332	8.343	8.354	8.365	8.376	8.388	8.399	8.410	8.421
900	8.432	8.444	8.455	8.466	8.477	8.488	8.500	8.511	8.522	8.533
910	8.545	8.556	8.567	8.578	8.590	8.601	8.612	8.623	8.635	8.646
920	8.657	8.668	8.680	8.691	8.702	8.714	8.725	8.736	8.747	8.759
930	8.770	8.781	8.793	8.804	8.815	8.827	8.838	8.849	8.861	8.872
940	8.883	8.895	8.906	8.917	8.929	8.940	8.951	8.963	8.974	8.986
950	8.997	9.008	9.020	9.031	9.042	9.054	9.065	9.077	9.088	9.099
960	9.111	9.122	9.134	9.145	9.157	9.168	9.179	9.191	9.202	9.214
970	9.225	9.236	9.248	9.260	9.271	9.282	9.294	9.305	9.317	9.328
980	9.340	9.351	9.363	9.374	9.386	9.397	9.409	9.420	9.432	9.443
990	9.455	9.466	9.478	9.489	9.501	9.512	9.524	9.535	9.547	9.559
1000	9.570	9.582	9.593	9.605	9.616	9.628	9.639	9.651	9.663	9.674
1010	9.686	9.697	9.709	9.720	9.732	9.744	9.755	9.767	9.779	9.790
1020	9.802	9.813	9.825	9.837	9.848	9.860	9.871	9.883	9.895	9.906

表一

工作端 温度℃	电压									
	0	1	2	3	4	5	6	7	8	9
1030	9.918	9.930	9.941	9.953	9.965	9.976	9.988	10.000	10.011	10.023
1040	10.035	10.046	10.058	10.070	10.082	10.093	10.105	10.117	10.128	10.140
1050	10.152	10.163	10.175	10.187	10.199	10.210	10.222	10.234	10.246	10.257
1060	10.269	10.281	10.293	10.304	10.316	10.328	10.340	10.351	10.363	10.375
1070	10.387	10.399	10.410	10.422	10.434	10.446	10.458	10.469	10.481	10.493
1080	10.505	10.517	10.528	10.540	10.552	10.564	10.576	10.587	10.599	10.611
1090	10.623	10.635	10.647	10.658	10.670	10.682	10.694	10.706	10.718	10.729
1100	10.741	10.753	10.765	10.777	10.789	10.801	10.812	10.824	10.836	10.848
1110	10.860	10.872	10.884	10.896	10.907	10.919	10.931	10.943	10.955	10.967
1120	10.979	10.991	11.003	11.014	11.026	11.038	11.050	11.062	11.074	11.086
1130	11.098	11.110	11.122	11.133	11.145	11.157	11.169	11.181	11.193	11.205
1140	11.217	11.229	11.241	11.253	11.265	11.277	11.289	11.300	11.312	11.324
1150	11.336	11.348	11.360	11.372	11.384	11.396	11.408	11.420	11.432	11.444
1160	11.456	11.468	11.480	11.492	11.504	11.516	11.528	11.540	11.552	11.564
1170	11.575	11.587	11.599	11.611	11.623	11.635	11.647	11.659	11.671	11.683
1180	11.695	11.707	11.719	11.731	11.743	11.755	11.767	11.779	11.791	11.803
1190	11.815	11.827	11.839	11.851	11.863	11.875	11.887	11.899	11.911	11.923
1200	11.935	11.947	11.959	11.971	11.983	11.995	12.007	12.019	12.031	12.043
1210	12.055	12.067	12.079	12.091	12.103	12.115	12.127	12.139	12.151	12.163
1220	12.175	12.187	12.200	12.212	12.224	12.236	12.248	12.260	12.272	12.284
1230	12.296	12.308	12.320	12.332	12.344	12.356	12.368	12.380	12.392	12.404

工作端 温度℃	毫 伏									
	0	1	2	3	4	5	6	7	8	9
1240	12.416	12.428	12.440	12.452	12.464	12.476	12.488	12.500	12.512	12.524
1250	12.536	12.548	12.560	12.573	12.585	12.597	12.609	12.621	12.633	12.645
1260	12.657	12.669	12.681	12.693	12.705	12.717	12.729	12.741	12.753	12.765
1270	12.777	12.789	12.801	12.813	12.825	12.837	12.849	12.861	12.873	12.885
1280	12.897	12.909	12.921	12.933	12.945	12.957	12.969	12.981	12.993	13.005
1290	13.018	13.030	13.042	13.054	13.066	13.078	13.090	13.120	13.114	13.126
1300	13.138	13.150	13.162	13.174	13.186	13.198	13.210	13.222	13.234	13.246
1310	13.258	13.270	13.282	13.294	13.306	13.318	13.330	13.342	13.354	13.366
1320	13.378	13.390	13.402	13.414	13.426	13.438	13.450	13.462	13.474	13.486
1330	13.498	13.510	13.522	13.534	13.546	13.558	13.570	13.582	13.594	13.606
1340	13.618	13.630	13.642	13.654	13.666	13.678	13.690	13.702	13.714	13.726
1350	13.738	13.750	13.762	13.774	13.786	13.798	13.810	13.822	13.834	13.846
1360	13.858	13.870	13.882	13.894	13.906	13.918	13.930	13.942	13.954	13.966
1370	13.978	13.990	14.002	14.014	14.026	14.038	14.050	14.062	14.074	14.086
1380	14.098	14.110	14.122	14.133	14.145	14.157	14.169	14.181	14.193	14.205
1390	14.217	14.229	14.241	14.253	14.265	14.277	14.289	14.301	14.313	14.325
1400	14.337	14.349	14.361	14.373	14.385	14.397	14.409	14.421	14.433	14.445
1410	14.457	14.469	14.481	14.493	14.504	14.516	14.528	14.540	14.552	14.564
1420	14.576	14.588	14.600	14.612	14.624	14.636	14.648	14.660	14.672	14.684
1430	14.696	14.708	14.720	14.732	14.744	14.755	14.767	14.779	14.791	14.803
1440	14.815	14.827	14.839	14.851	14.863	14.875	14.887	14.899	14.911	14.923

续表一

工作端 温度°C	参 伏								
	0	1	2	3	4	5	6	7	8
1450	14.935	14.946	14.958	14.970	14.982	14.994	15.006	15.018	15.030
1460	15.054	15.066	15.078	15.090	15.102	15.113	15.125	15.137	15.149
1470	15.173	15.185	15.197	15.209	15.221	15.233	15.245	15.256	15.268
1480	15.292	15.304	15.316	15.328	15.340	15.352	15.364	15.376	15.387
1490	15.411	15.423	15.435	15.447	15.459	15.471	15.483	15.495	15.507
1500	15.530	15.542	15.554	15.566	15.578	15.590	15.602	15.614	15.625
1510	15.649	15.661	15.673	15.685	15.697	15.709	15.721	15.732	15.744
1520	15.768	15.780	15.792	15.804	15.816	15.827	15.839	15.851	15.863
1530	15.887	15.899	15.911	15.922	15.934	15.946	15.958	15.970	15.982
1540	16.006	16.017	16.029	16.041	16.053	16.065	16.077	16.089	16.100
1550	16.124	16.136	16.148	16.160	16.171	16.183	16.195	16.207	16.219
1560	16.243	16.254	16.266	16.278	16.290	16.302	16.314	16.325	16.337
1570	16.361	16.373	16.385	16.396	16.408	16.420	16.432	16.444	16.456
1580	16.479	16.491	16.503	16.515	16.527	16.538	16.550	16.562	16.574
1590	16.597	16.609	16.621	16.633	16.645	16.657	16.668	16.680	16.692
1600	16.716								16.704

注：本分度表只适用于按 JB913—66 标准生产的热电偶。在 JB913—66 标准颁布以前生产的热电偶请按附录中 LB 分度表检定。

表二 镍铬——镍铝(硅)热电偶分度表

分度号: EU

(自由端温度为 0°C)

工作端 温度°C	毫 伏									
	0	1	2	3	4	5	6	7	8	9
0	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36
10	0.40	0.44	0.48	0.52	0.56	0.60	0.64	0.68	0.72	0.76
20	0.80	0.84	0.88	0.92	0.96	1.00	1.04	1.08	1.12	1.16
30	1.20	1.24	1.28	1.32	1.36	1.41	1.45	1.49	1.53	1.57
40	1.61	1.65	1.69	1.73	1.77	1.82	1.86	1.90	1.94	1.98
50	2.02	2.06	2.10	2.14	2.18	2.23	2.27	2.31	2.35	2.39
60	2.43	2.47	2.51	2.56	2.60	2.64	2.68	2.72	2.77	2.81
70	2.85	2.89	2.93	2.97	3.01	3.06	3.10	3.14	3.18	3.22
80	3.26	3.30	3.34	3.39	3.43	3.47	3.51	3.55	3.60	3.64
90	3.68	3.72	3.76	3.81	3.85	3.89	3.93	3.97	4.02	4.06
100	4.10	4.14	4.18	4.22	4.26	4.31	4.35	4.39	4.43	4.47
110	4.51	4.55	4.59	4.63	4.67	4.72	4.76	4.80	4.84	4.88
120	4.92	4.96	5.00	5.04	5.08	5.13	5.17	5.21	5.25	5.29
130	5.33	5.37	5.41	5.45	5.49	5.53	5.57	5.61	5.65	5.69
140	5.73	5.77	5.81	5.85	5.89	5.93	5.97	6.01	6.05	6.09
150	6.13	6.17	6.21	6.25	6.29	6.33	6.37	6.41	6.45	6.49
160	6.53	6.57	6.61	6.65	6.69	6.73	6.77	6.81	6.85	6.89
170	6.93	6.97	7.01	7.05	7.09	7.13	7.17	7.21	7.25	7.29
180	7.33	7.37	7.41	7.45	7.49	7.53	7.57	7.61	7.65	7.69

续表二

工作端 温度°C	毫 伏									
	0	1	2	3	4	5	6	7	8	9
190	7.73	7.77	7.81	7.85	7.89	7.93	7.97	8.01	8.05	8.09
200	8.13	8.17	8.21	8.25	8.29	8.33	8.37	8.41	8.45	8.49
210	8.53	8.57	8.61	8.65	8.69	8.73	8.77	8.81	8.85	8.89
220	8.93	8.97	9.01	9.06	9.09	9.14	9.18	9.22	9.26	9.30
230	9.34	9.38	9.42	9.46	9.50	9.54	9.58	9.62	9.66	9.70
240	9.74	9.78	9.82	9.86	9.90	9.95	9.99	10.03	10.07	10.11
250	10.15	10.19	10.23	10.27	10.31	10.35	10.40	10.44	10.48	10.52
260	10.56	10.60	10.64	10.68	10.72	10.77	10.81	10.85	10.89	10.93
270	10.97	11.01	11.05	11.09	11.13	11.18	11.22	11.26	11.30	11.34
280	11.38	11.42	11.46	11.51	11.55	11.59	11.63	11.67	11.72	11.76
290	11.80	11.84	11.88	11.92	11.96	12.01	12.05	12.09	12.13	12.17
300	12.21	12.25	12.29	12.33	12.37	12.42	12.46	12.50	12.54	12.58
310	12.62	12.66	12.70	12.75	12.79	12.83	12.87	12.91	12.96	13.00
320	13.04	13.08	13.12	13.16	13.20	13.25	13.29	13.33	13.37	13.41
330	13.45	13.49	13.53	13.58	13.62	13.66	13.70	13.74	13.79	13.83
340	13.87	13.91	13.95	14.00	14.04	14.08	14.12	14.16	14.21	14.25
350	14.30	14.34	14.38	14.43	14.47	14.51	14.55	14.59	14.64	14.68
360	14.72	14.76	14.80	14.85	14.89	14.93	14.97	15.01	15.06	15.10
370	15.14	15.18	15.22	15.27	15.31	15.35	15.39	15.43	15.48	15.52
380	15.56	15.60	15.64	15.69	15.73	15.77	15.81	15.85	15.90	15.94
390	15.99	16.02	16.06	16.11	16.15	16.19	16.23	16.27	16.32	16.36

续表二

工作端 温度℃	毫 伏									
	0	1	2	3	4	5	6	7	8	9
400	16.40	16.44	16.49	16.53	16.57	16.63	16.66	16.70	16.74	16.79
410	16.83	16.87	16.91	16.96	17.00	17.04	17.08	17.12	17.17	17.21
420	17.25	17.29	17.33	17.38	17.42	17.46	17.50	17.54	17.59	17.63
430	17.67	17.71	17.75	17.79	17.84	17.88	17.92	17.96	18.01	18.05
440	18.09	18.13	18.17	18.22	18.26	18.30	18.34	18.38	18.43	18.47
450	18.51	18.55	18.60	18.64	18.68	18.73	18.77	18.81	18.85	18.90
460	18.94	18.98	19.03	19.07	19.11	19.16	19.20	19.24	19.28	19.33
470	19.37	19.41	19.45	19.50	19.54	19.58	19.62	19.66	19.71	19.75
480	19.79	19.83	19.88	19.92	19.96	20.01	20.05	20.09	20.13	20.18
490	20.22	20.26	20.31	20.35	20.39	20.44	20.48	20.52	20.56	20.61
500	20.65	20.69	20.74	20.78	20.82	20.87	20.91	20.95	20.99	21.04
510	21.08	21.12	21.16	21.21	21.25	21.29	21.33	21.37	21.42	21.46
520	21.50	21.54	21.59	21.63	21.67	21.72	21.76	21.80	21.84	21.89
530	21.93	21.97	22.01	22.06	22.10	22.14	22.18	22.22	22.27	22.31
540	22.35	22.39	22.44	22.48	22.52	22.57	22.61	22.65	22.69	22.74
550	22.78	22.82	22.87	22.91	22.95	23.00	23.04	23.08	23.12	23.17
560	23.21	23.25	23.29	23.34	23.38	23.42	23.46	23.50	23.55	23.59
570	23.63	23.67	23.72	23.76	23.80	23.85	23.89	23.93	23.97	24.02
580	24.06	24.10	24.15	24.19	24.23	24.28	24.32	24.36	24.40	24.45
590	24.49	24.53	24.57	24.62	24.66	24.70	24.74	24.78	24.83	24.87
600	24.91	24.95	25.00	25.04	25.08	25.13	25.16	25.20	25.24	25.28