标的物	CALL										行权价	PUT									
	收盘价	涨跌幅	成交量	持仓量	Delta值	Gamma值	Vega值	Theta值	隐含波动率	历史波动率		收盘价	涨跌幅	成交量	持仓量	Delta值	Gamma值	Vega值	Theta值	隐含波动率	历史波动率
C1905	159.50	2.90	40.00	702.00	1.0000	0.0000	0.0000	0.0000	0.0000	99.7638	1660	0.50	0.00	20.00	1004.00	0.0000	0.0000	0.0000	0.0000	0.2354	322.7179
	138.00	2.22	2.00	906.00	1.0000	0.0000	0.0000	0.0000	0.0000	123.6782	1680	0.50	0.00	0.00	3050.00	0.0000	0.0000	0.0005	-0.0002	0.2094	561.1737
	118.00	2.61	0.00	676.00	1.0000	0.0000	0.0000	0.0000	0.0000	138.9076	1700	0.50	0.00	326.00	4408.00	-0.0003	0.0000	0.0042	-0.0016	0.1837	742.5584
	97.00	2.11	32.00	662.00	0.9987	0.0002	0.0138	-0.0047	0.0000	144.3725	1720	0.50	0.00	80.00	1270.00	-0.0022	0.0002	0.0250	-0.0099	0.1565	553.5326
	82.00	9.33	40.00	978.00	0.9889	0.0008	0.1017	-0.0383	0.0000	179.1985	1740	1.00	100.00	74.00	4164.00	-0.0114	0.0008	0.1073	-0.0425	0.1473	364.9651
	61.50	9.82	282.00	1254.00	0.9566	0.0025	0.3291	-0.1274	0.0000	226.9130	1760	1.50	50.00	2.00	6810.00	-0.0432	0.0025	0.3317	-0.1307	0.1289	378.2148
	45.00	16.88	160.00	1244.00	0.8762	0.0055	0.6718	-0.2883	0.1177	249.4416	1780	2.50	-28.57	246.00	9558.00	-0.1233	0.0055	0.6723	-0.2906	0.1106	328.0715
	26.00	8.33	298.00	1874.00	0.7279	0.0090	1.1298	-0.4708	0.0873	270.7317	1800	5.00	-44.44	1988.00	7646.00	-0.2715	0.0090	1.1299	-0.4720	0.0966	366.3406
	13.50	3.85	716.00	3596.00	0.5252	0.0107	1.3693	-0.5661	0.0909	319.4447	1820	12.50	-30.56	830.00	15908.00	-0.4741	0.0107	1.3693	-0.5662	0.0982	294.4727
	6.00	0.00	404.00	8276.00	0.3176	0.0096	1.2458	-0.5077	0.0948	371.6700	1840	25.50	-17.74	656.00	16038.00	-0.6817	0.0096	1.2457	-0.5067	0.1072	269.9329
	1.50	-40.00	1052.00	12358.00	0.1573	0.0065	0.8228	-0.3426	0.0869	434.6655	1860	41.50	-12.63	370.00	9832.00	-0.8422	0.0065	0.8224	-0.3406	0.1136	237.7629
	1.00	100.00	460.00	9360.00	0.0627	0.0033	0.4447	-0.1756	0.1077	491.8560	1880	60.50	-7.63	114.00	1030.00	-0.9371	0.0033	0.4427	-0.1726	0.1361	204.0083
	0.50	0.00	60.00	7404.00	0.0200	0.0013	0.1598	-0.0690	0.1190	489.3781	1900	77.50	-8.82	94.00	1062.00	-0.9801	0.0013	0.1562	-0.0650	0.0000	175.7829
	0.50	0.00	0.00	4396.00	0.0051	0.0004	0.0512	-0.0209	0.1432	470.7256	1920	102.00	-2.86	18.00	942.00	-0.9955	0.0004	0.0429	-0.0160	0.2238	151.1395
	0.50	0.00	0.00	4130.00	0.0010	0.0001	0.0129	-0.0049	0.1670	482.2272	1940	122.00	-2.40	0.00	940.00	-1.0000	0.0000	0.0000	0.0000	0.2546	140.6636
	0.50	0.00	0.00	5222.00	0.0002	0.0000	0.0025	-0.0009	0.1893	747.8717	1960	144.00	-0.69	10.00	818.00	-1.0000	0.0000	0.0000	0.0000	0.3179	116.7358
	0.50	0.00	0.00	2602.00	0.0000	0.0000	0.0003	-0.0001	0.2110	617.1836	1980	158.50	-3.94	30.00	862.00	-1.0000	0.0000	0.0000	0.0000	0.2155	106.3401
	0.50	0.00	0.00	876.00	0.0000	0.0000	0.0000	0.0000	0.2324	537.5070	2000	178.50	-3.51	46.00	792.00	-1.0000	0.0000	0.0000	0.0000	0.2374	94.5289
	0.50	0.00	0.00	770.00	0.0000	0.0000	0.0000	0.0000	0.2537	565.0916	2020	203.00	-0.98	28.00	714.00	-1.0000	0.0000	0.0000	0.0000	0.3909	87.9012
	0.50	0.00	0.00	1198.00	0.0000	0.0000	0.0000	0.0000	0.2747	611.4008	2040	223.00	-0.89	24.00	716.00	-1.0000	0.0000	0.0000	0.0000	0.4176	71.5435
C1909	154.00	3.70	42.00	574.00	0.9023	0.0015	1.8642	-0.0691	0.1187	88.9470	1700	8.00	-11.11	360.00	2170.00	-0.0954	0.0014	1.9061	-0.0758	0.1196	183.3717
	135.00	2.66	54.00	864.00	0.8671	0.0018	2.3030	-0.0883	0.1104	97.4208	1720	9.50	-20.83	386.00	4322.00	-0.1294	0.0017	2.3269	-0.0942	0.1138	190.9315
	115.00	-0.86	36.00	668.00	0.8251	0.0021	2.7532	-0.1081	0.0979	106.5888	1740	13.50	-18.18	196.00	4540.00	-0.1704	0.0021	2.7657	-0.1131	0.1150	218.7214
	103.00	1.98	14.00	1016.00	0.7765	0.0025	3.1947	-0.1273	0.1104	108.2276	1760	18.00	-16.28	250.00	11302.00	-0.2183	0.0024	3.2006	-0.1313	0.1147	187.7670
	89.50	2.29	52.00	840.00	0.7217	0.0028	3.7708	-0.1446	0.1130	120.6437	1780	23.50	-14.55	52.00	6398.00	-0.2725	0.0028	3.7763	-0.1477	0.1144	162.5384
	76.50	2.00	36.00	976.00	0.6617	0.0030	4.0853	-0.1588	0.1137	128.7181	1800	29.00	-17.14	188.00	3784.00	-0.3320	0.0030	4.0871	-0.1611	0.1117	182.2468
	64.00	0.79	48.00	904.00	0.5982	0.0032	4.3064	-0.1691	0.1125	131.0336	1820	38.00	-12.64	192.00	2312.00	-0.3953	0.0032	4.3067	-0.1704	0.1145	159.6327
	55.00	3.77	1236.00	1738.00	0.5326	0.0033	4.4182	-0.1747	0.1162	149.2176	1840	46.00	-13.21	188.00	2490.00	-0.4607	0.0033	4.4182	-0.1750	0.1115	149.0770
	45.50	3.41	144.00	1384.00	0.4669	0.0033	4.4127	-0.1754	0.1160	154.5980	1860	56.50	-11.72	74.00	880.00	-0.5264	0.0033	4.4128	-0.1748	0.1117	132.5812
	37.50	4.17	278.00	1706.00	0.4028	0.0032	4.2907	-0.1713	0.1168	180.6550	1880	71.00	-6.58	42.00	616.00	-0.5907	0.0032	4.2905	-0.1697	0.1185	139.8234
	31.00	5.08	706.00	3958.00	0.3417	0.0030	4.0618	-0.1629	0.1187	176.1284	1900	82.00	-7.87	32.00	542.00	-0.6521	0.0031	4.0608	-0.1604	0.1147	123.5478
	25.00	6.38	292.00	1414.00	0.2851	0.0028	3.7438	-0.1510	0.1185	1306.3224	1920	99.50	-3.40	40.00	524.00	-0.7091	0.0028	3.7407	-0.1475	0.1235	111.3787
	21.00	13.51	264.00	1702.00	0.2339	0.0025	3.3597	-0.1365	0.1217	1194.9363	1940	114.50	-2.97	42.00	566.00	-0.7610	0.0026	3.3527	-0.1322	0.1247	104.3228
	16.50	13.79	22.00	2662.00	0.1886	0.0022	2.9354	-0.1205	0.1218	193.5140	1960	127.00	-5.22	64.00	442.00	-0.8070	0.0023	2.9229	-0.1153	0.1158	102.9078
	13.00	18.18	50.00	8390.00	0.1495	0.0019	2.4974	-0.1039	0.1217	203.2456	1980	144.50	-3.99	28.00	532.00	-0.8470	0.0020	2.4765	-0.0978	0.1193	265.2182
	11.50	35.29	1162.00	19828.00	0.1166	0.0016	2.2849	-0.0876	0.1273	200.5436	2000	167.50	-0.30	26.00	522.00	-0.8810	0.0017	2.2369	-0.0806	0.1407	82.8892
	8.50	30.77	208.00	944.00	0.0894	0.0013	1.8672	-0.0723	0.1255	1284.7031	2020	180.50	-2.96	80.00	428.00	-0.9094	0.0014	1.8030	-0.0645	0.1252	214.0302
	7.00	40.00	52.00	1414.00	0.0675	0.0011	1.4854	-0.0584	0.1276	283.6951	2040	203.00	-0.49	14.00	414.00	-0.9327	0.0012	1.4018	-0.0498	0.1455	197.9609
	5.50	57.14	214.00	1610.00	0.0501	0.0009	1.1505	-0.0462	0.1290	315.6095	2060	222.50	-0.22	8.00	474.00	-0.9516	0.0009	1.0438	-0.0368	0.1537	176.6151
	5.50	120.00	134.00	4080.00	0.0365	0.0007	0.8675	-0.0359	0.1372	234.7041	2080	237.00	-2.07	8.00	666.00	-0.9669	0.0008	0.7333	-0.0256	0.1345	165.8352
M1905	310.50	1.80	22.00	300.00	1.0000	0.0000	0.0000	0.0000	0.4074	108.1544	2250	0.50000	0.0000	2.0000	3,050.0000	0.0000	0.0000	0.0000	0.0000	0.2962	435.7064
	261.00	2.35	0.00	686.00	1.0000	0.0000	0.0000	0.0000	0.3592	125.5200	2300	0.50000	0.0000	310.0000	6,296.0000	0.0000	0.0000	0.0001	-0.0001	0.2517	385.2617
	217.50	6.10	16.00	944.00	1.0000	0.0000	0.0000	0.0000	0.3836	133.3397	2350	1.00000	100.0000	358.0000	8,760.0000	-0.0002	0.0000	0.0044	-0.0021	0.2288	370.1896
	168.50	7.32	46.00	1114.00	0.9963	0.0002	0.0546	-0.0222	0.3226	157.5096	2400	2.00000	0.0000	608.0000	16,730.0000	-0.0043	0.0002	0.0678	-0.0302	0.2046	357.4164
	107.50	-3.59	484.00	2202.00	0.9619	0.0013	0.3995	-0.1917	0.1170	187.5805	2450	3.00000	-53.8462	1,730.0000	12,154.0000	-0.0380	0.0013	0.4029	-0.1972	0.1649	355.2118
	67.00	-7.59	2388.00	10958.00	0.8262	0.0041	1.2239	-0.6080	0.1597	213.6221	2500	7.50000	-57.1429	2,914.0000	20,038.0000	-0.1732	0.0041	1.2242	-0.6110	0.1415	302.3572
	31.50	-24.10	2288.00	20008.00	0.5494	0.0064	1.9073	-0.9429	0.1447	239.6901	2550	23.00000	-36.9863	3,960.0000	7,526.0000	-0.4499	0.0064	1.9073	-0.9433	0.1368	255.8026
	12.50	-40.48	5832.00	31834.00	0.2497	0.0051	1.5250	-0.7574	0.1501	263.0011	2600	54.50000	-17.4242	1,312.0000	8,272.0000	-0.7497	0.0051	1.5249	-0.7551	0.1441	218.0576
	5.50	-38.89	3980.00	25114.00	0.0719	0.0022	0.6255	-0.3274	0.1691	269.2876	2650	99.00000	-4.8077	454.0000	4,224.0000	-0.9278	0.0022	0.6240	-0.3225	0.1743	182.5618
	3.00	-14.29	1978.00	31292.00	0.0128	0.0005	0.1584	-0.0789	0.1954	271.5658	2700	146.00000	-1.6835	82.0000	16,694.0000	-0.9875	0.0005	0.1512	-0.0716	0.1967	156.4064
	2.50	150.00	1208.00	17600.00	0.0014	0.0001	0.0233	-0.0109	0.2359	281.8831	2750	195.00000	-0.5102	76.0000	6,298.0000	-0.9998	0.0001	0.0037	-0.0014	0.2274	132.6442
	1.50	200.00	1668.00	19336.00	0.0001	0.0000	0.0020	-0.0009	0.2560	268.2949	2800	244.50000	-0.4073	14.0000	4,510.0000	-1.0000	0.0000	0.0000	0.0000	0.2597	113.3494
	1.50	200.00	230.00	11836.00	0.0000	0.0000	0.0001	0.0000	0.2966	304.8223	2850	284.00000	-3.7288	4.0000	1,526.0000	-1.0000	0.0000	0.0000	0.0000	0.0000	107.2944
	0.50	0.00	774.00	12574.00	0.0000	0.0000	0.0000	0.0000	0.2874	276.1310	2900	339.00000	-1.7391	0.0000	3,732.0000	-1.0000	0.0000	0.0000	0.0000	0.0000	93.4955
	0.50	0.00	12.00	5968.00	0.0000	0.0000	0.0000	0.0000	0.3214	275.9429	2950	389.00000	-1.5190	0.0000	654.0000	-1.0000	0.0000	0.0000	0.0000	0.0000	84.2659
	0.50	0.00	160.00	12342.00	0.0000	0.0000	0.0000	0.0000	0.3548	285.6389	3000	439.00000	-1.3483	0.0000	690.0000	-1.0000	0.0000	0.0000	0.0000	0.0000	75.5074
	0.50	0.00	150.00	5398.00	0.0000	0.0000	0.0000	0.0000	0.3866	394.0971	3050	489.00000	-1.2121	0.0000	372.0000	-1.0000	0.0000	0.0000	0.0000	0.0000	66.8906

	0.50	0.00	448.00	6174.00	0.0000	0.0000	0.0000	0.0000	0.4166	406.1797	3100	539.00000	-1.1009	0.0000	330.0000	-1.0000	0.0000	0.0000	0.0000	0.0000	64.4771
	0.50	0.00	4.00	14384.00	0.0000	0.0000	0.0000	0.0000	0.4462	334.3977	3150	589.00000	-1.0084	0.0000	332.0000	-1.0000	0.0000	0.0000	0.0000	0.0000	61.7439
	0.50	0.00	330.00	13560.00	0.0000	0.0000	0.0000	0.0000	0.4753	251.5368	3200	643.50000	-0.2326	20.0000	322.0000	-1.0000	0.0000	0.0000	0.0000	0.4977	55.8753
	0.50	0.00	4.00	21524.00	0.0000	0.0000	0.0000	0.0000	0.5040	275.5802	3250	693.50000	-0.2158	14.0000	216.0000	-1.0000	0.0000	0.0000	0.0000	0.5292	53.2808
	283.50	-1.73	90.00	926.00	0.9178	0.0008	2.3287	-0.1007	0.1734	68.9390	2350	14.50	-50.85	1214.00	4738.00	-0.0805	0.0007	2.4041	-0.1127	0.1533	207.5657
	244.50	-1.61	44.00	1070.00	0.8736	0.0010	3.2297	-0.1439	0.1684	89.1296	2400	20.50	-43.84	342.00	9126.00	-0.1231	0.0010	3.2714	-0.1539	0.1502	185.5411
	208.00	-2.12	108.00	776.00	0.8100	0.0013	4.1876	-0.1937	0.1709	107.3994	2450	34.50	-31.68	600.00	8208.00	-0.1852	0.0013	4.2033	-0.2015	0.1571	195.6061
	173.00	-3.62	106.00	1376.00	0.7322	0.0016	5.0808	-0.2396	0.1694	111.0209	2500	49.50	-26.12	512.00	15234.00	-0.2620	0.0016	5.0850	-0.2451	0.1578	163.1086
	146.50	-2.33	228.00	1078.00	0.6430	0.0018	5.7912	-0.2748	0.1764	111.8901	2550	68.50	-21.26	804.00	5200.00	-0.3506	0.0018	5.7916	-0.2780	0.1588	139.4616
	118.00	-4.45	736.00	5574.00	0.5471	0.0019	6.2102	-0.2944	0.1736	115.6733	2600	93.50	-15.38	852.00	3728.00	-0.4462	0.0019	6.2102	-0.2953	0.1630	147.4425
	99.00	-1.49	892.00	6040.00	0.4502	0.0019	6.2689	-0.2959	0.1804	122.2746	2650	123.00	-10.55	464.00	3044.00	-0.5431	0.0019	6.2685	-0.2944	0.1680	129.2357
	80.50	0.00	496.00	18278.00	0.3579	0.0018	5.9582	-0.2802	0.1827	123.1432	2700	157.50	-5.97	222.00	3050.00	-0.6358	0.0018	5.9555	-0.2764	0.1754	123.7206
M1909	67.00	4.69	1084.00	5958.00	0.2747	0.0016	5.3322	-0.2510	0.1888	130.0280	2750	193.50	-3.49	410.00	1716.00	-0.7197	0.0016	5.3236	-0.2448	0.1806	121.6331
	54.50	9.00	1534.00	8814.00	0.2035	0.0014	4.4933	-0.2133	0.1920	126.6218	2800	227.00	-4.02	62.00	1308.00	-0.7919	0.0014	4.4743	-0.2049	0.1765	109.9016
	45.50	16.67	654.00	9030.00	0.1455	0.0011	3.5653	-0.1726	0.1970	146.3469	2850	273.50	-0.55	90.00	1176.00	-0.8512	0.0011	3.5291	-0.1619	0.1920	99.0057
	38.00	28.81	2276.00	13770.00	0.1004	0.0009	2.6639	-0.1332	0.2028	173.6266	2900	310.50	-1.58	34.00	462.00	-0.8980	0.0009	2.6033	-0.1204	0.1850	73.5719
	32.50	44.44	766.00	5534.00	0.0670	0.0006	2.1261	-0.0983	0.2092	210.2457	2950	358.50	0.14	34.00	580.00	-0.9333	0.0007	1.9992	-0.0835	0.2000	71.0658
	29.00	75.76	344.00	6302.00	0.0433	0.0004	1.4364	-0.0696	0.2188	140.6699	3000	399.00	-0.87	4.00	420.00	-0.9593	0.0005	1.2629	-0.0528	0.1917	63.5255
	25.50	104.00	158.00	1938.00	0.0270	0.0003	0.9150	-0.0473	0.2257	265.3233	3050	451.00	0.67	28.00	298.00	-0.9784	0.0004	0.6815	-0.0285	0.2144	58.8117
	22.00	144.44	324.00	3442.00	0.0164	0.0002	0.6548	-0.0310	0.2324	311.8023	3100	490.00	-0.91	8.00	350.00	-0.9920	0.0003	0.2917	-0.0105	0.1901	53.8008
	21.00	223.08	3280.00	29288.00	0.0096	0.0001	0.3765	-0.0195	0.2434	150.4325	3150	545.00	0.55	92.00	1616.00	-1.0000	0.0000	0.0000	0.0000	0.2252	54.2416
	4205.00	0.00	0.00	210.00	0.0000	0.0000	0.0000	0.0000	0.0000	98.8205	44000	2.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	631.4800
	3060.00	0.00	0.00	180.00	0.0000	0.0000	0.0000	0.0000	0.0000	122.8509	45000	1.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	451.1602
	2060.00	0.00	0.00	194.00	0.0000	0.0000	0.0000	0.0000	0.0000	158.5290	46000	2.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	506.8268
	1020.00	0.00	0.00	254.00	0.0000	0.0000	0.0000	0.0000	0.0000	219.3467	47000	1.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	426.4137
	35.00	0.00	0.00	446.00	0.0000	0.0000	0.0000	0.0000	0.0000	687.4931	48000	1.00	0.00	0.00	6.00	0.0000	0.0000	0.0000	0.0000	0.0000	569.8658
CU1904	1.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	940.9708	49000	958.00	0.00	0.00	1808.00	0.0000	0.0000	0.0000	0.0000	0.0000	533.1247
	1.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	639.1262	50000	1940.00	0.00	0.00	562.00	0.0000	0.0000	0.0000	0.0000	0.0000	296.6232
	1.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	603.3837	51000	2940.00	0.00	0.00	244.00	0.0000	0.0000	0.0000	0.0000	0.0000	201.9288
	1.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	677.6787	52000	3940.00	0.00	0.00	208.00	0.0000	0.0000	0.0000	0.0000	0.0000	150.1727
	1.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	601.0821	53000	4940.00	0.00	0.00	140.00	0.0000	0.0000	0.0000	0.0000	0.0000	119.3491
	1.00	0.00	0.00	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	597.6370	54000	5940.00	0.00	0.00	254.00	0.0000	0.0000	0.0000	0.0000	0.0000	92.1780
	4286.00	-2.70	142.00	218.00	0.9975	0.0000	0.2751	0.2380	0.2057	102.0098	44000	7.00	600.00	340.00	1242.00	-0.0006	0.0000	0.2751	-0.0477	0.1425	406.6788
	3228.00	-5.42	134.00	160.00	0.9911	0.0000	2.6394	-0.2395	0.1049	142.7566	45000	15.00	114.29	626.00	922.00	-0.0070	0.0000	2.6394	-0.4577	0.1250	506.6421
	2291.00	-6.45	168.00	232.00	0.9520	0.0001	13.1302	-2.1257	0.1236	162.6473	46000	39.00	-7.14	1896.00	1488.00	-0.0461	0.0001	13.1302	-2.2764	0.1095	526.0586
	1411.00	-10.18	538.00	210.00	0.8209	0.0002	35.2905	-6.0309	0.1145	192.0575	47000	138.00	-15.34	2284.00	1668.00	-0.1772	0.0002	35.2905	-6.1140	0.1023	425.0416
	691.00	-20.12	1562.00	716.00	0.5714	0.0003	53.2327	-9.1910	0.1056	232.7831	48000	442.00	-2.86	3030.00	2664.00	-0.4267	0.0003	53.2327	-9.2065	0.1019	335.7221
CU1905	290.00	-26.40	2132.00	1934.00	0.2926	0.0003	46.6783	-8.0820	0.1097	275.0045	49000	1037.00	5.49	770.00	2294.00	-0.7055	0.0003	46.6783	-8.0300	0.1052	267.2811
	115.00	-20.14	1920.00	1850.00	0.1043	0.0001	24.5825	-4.2606	0.1180	340.9244	50000	1829.00	5.60	498.00	652.00	-0.8938	0.0001	24.5825	-4.1410	0.0989	214.6088
	46.00	12.20	1392.00	1710.00	0.0253	0.0000	8.0139	-1.3896	0.1277	376.3313	51000	2851.00	8.49	234.00	268.00	-0.9728	0.0000	8.0139	-1.2024	0.1481	169.7128
	19.00	111.11	534.00	1090.00	0.0041	0.0000	1.6633	-0.2885	0.1375	353.4390	52000	3790.00	5.45	196.00	174.00	-0.9939	0.0000	1.6633	-0.0338	0.1463	130.6644
	13.00	1200.00	140.00	1584.00	0.0005	0.0000	0.2256	-0.0391	0.1567	347.3164	53000	4706.00	2.64	84.00	194.00	-0.9976	0.0000	0.2256	0.2831	0.0000	111.0722
	6.00	500.00	118.00	1568.00	0.0000	0.0000	0.0205	-0.0036	0.1655	413.9930	54000	5759.00	3.15	70.00	208.00	-0.9980	0.0000	0.0205	0.3862	0.1250	92.7703
	4427.00	-1.32	8.00	84.00	0.9845	0.0000	5.8959	-0.1868	0.1669	109.3545	44000	21.00	16.67	502.00	2126.00	-0.0113	0.0000	5.8959	-0.4779	0.1166	439.7919
	3456.00	-2.10	4.00	48.00	0.9548	0.0000	17.5011	-1.1942	0.1430	116.4925	45000	44.00	-25.42	730.00	494.00	-0.0410	0.0000	17.5011	-1.4180	0.1065	402.3008
	2430.00	-7.71	18.00	108.00	0.8826	0.0001	38.1821	-2.9347	0.1030	159.6031	46000	116.00	-27.04	1538.00	1362.00	-0.1132	0.0001	38.1821	-3.0910	0.1021	1141.1832
	1623.00	-11.65	110.00	88.00	0.7513	0.0002	62.4180	-4.9564	0.1030	177.9331	47000	294.00	-18.56	1000.00	674.00	-0.2445	0.0002	62.4180	-5.0454	0.1007	462.6940
	969.00	-18.23	244.00	164.00	0.5694	0.0002	77.8313	-6.2512	0.1019	215.6308	48000	646.00	-8.50	424.00	440.00	-0.4264	0.0002	77.8313	-6.2727	0.1014	225.5167
CU1906	528.00	-24.46	372.00	474.00	0.3743	0.0002	75.2578	-6.0731	0.1038	225.1681	49000	1187.00	-2.55	102.00	214.00	-0.6215	0.0002	75.2578	-6.0273	0.1014	195.3784
	274.00	-26.74	578.00	348.00	0.2100	0.0001	57.2974	-4.6341	0.1080	257.6712	50000	1961.00	3.76	64.00	138.00	-0.7858	0.0001	57.2974	-4.5209	0.1103	169.2977
	134.00	-25.97	1120.00	1072.00	0.0997	0.0001	34.8382	-2.8210	0.1120	260.7941	51000	2793.00	3.67	20.00	454.00	-0.8961	0.0001	34.8382	-2.6403	0.1095	129.9616
	68.00	-12.82	550.00	642.00	0.0400	0.0000	17.1409	-1.3889	0.1179	298.2529	52000	3827.00	6.63	12.00	56.00	-0.9558	0.0000	17.1409	-1.1409	0.1465	119.1721
	32.00	6.67	514.00	798.00	0.0136	0.0000	6.9085	-0.5600	0.1219	344.1829	53000	4704.00	3.64	2.00	68.00	-0.9823	0.0000	6.9085	-0.2446	0.1289	97.7047
	18.00	80.00	218.00	384.00	0.0039	0.0000	2.3070	-0.1871	0.1295	400.6661	54000	5674.00	2.86	2.00	56.00	-0.9919	0.0000	2.3070	0.1958	0.1293	87.8881
	1825.00	-6.65	0.00	28.00	0.9997	0.0000	0.0398	-0.0107	0.3482	105.3212	9700	3.00	200.00	18.00	92.00	-0.0025	0.0000	0.2793	-0.0953	0.2660	1222.4605
	1725.00	-7.01	0.00	34.00	0.9976	0.0000	0.2306	-0.0672	0.3303	114.7269	9800	5.00	400.00	70.00	82.00	-0.0042	0.0000	0.4337	-0.1501	0.2701	1514.9469
	1625.00	-7.41	0.00	36.00	0.9946	0.0000	0.4884	-0.1504	0.3126	120.3424	9900	3.00	200.00	42.00	114.00	-0.0067	0.0000	0.6556	-0.2288	0.2382	1494.1352
	1526.00	-7.79	0.00	52.00	0.9905	0.0000	0.8287	-0.2641	0.2987	137.1958	10000	4.00	300.00	142.00	164.00	-0.0104	0.0000	0.9645	-0.3381	0.2330	776.1021
	1280.00	-9.16	0.00	90.00	0.9721	0.0001	2.1699	-0.7242	0.2663	149.0940	10250	10.00	100.00	64.00	324.00	-0.0280	0.0001	2.2514	-0.7870	0.2296	481.4177
	1041.00	-10.80	0.00	66.00	0.9352	0.0002	3.9123	-1.4886	0.2447	154.3627	10500	18.00	38.46	160.00	526.00	-0.0643	0.0002	3.9401	-1.5396	0.2129	400.8232
	816.00	-12.82	0.00	80.00	0.8715	0.0003	6.7863	-2.5157	0.2343	179.7150	10750	27.00	-15.63	148.00	262.00	-0.1275	0.0003	6.7993	-2.5546	0.1870	558.6656

	586.00	-18.84	10.00	74.00	0.7770	0.0004	9.9186	-3.6137	0.2018	233.6167	11000	46.00	-32.35	182.00	706.00	-0.2217	0.0004	9.9262	-3.6401	0.1655	478.6409
	374.00	-29.70	118.00	106.00	0.6548	0.0005	11.9390	-4.4822	0.1721	269.2147	11250	93.00	-26.77	278.00	690.00	-0.3437	0.0005	11.9393	-4.4957	0.1532	422.1520
	236.00	-36.73	274.00	412.00	0.5171	0.0006	12.9039	-4.8632	0.1790	307.2038	11500	190.00	-12.84	670.00	1658.00	-0.4813	0.0006	12.9039	-4.8637	0.1511	393.2139
RU1905	131.00	-46.75	410.00	858.00	0.3801	0.0005	12.2023	-4.6548	0.1775	343.6663	11750	351.00	2.93	114.00	620.00	-0.6183	0.0005	12.2022	-4.6423	0.1605	339.7675
	80.00	-48.05	668.00	1862.00	0.2593	0.0005	10.3680	-3.9614	0.1917	382.7554	12000	539.00	8.02	104.00	734.00	-0.7394	0.0005	10.3660	-3.9361	0.1585	304.4221
	56.00	-37.78	340.00	1008.00	0.1637	0.0003	7.9159	-3.0221	0.2143	390.5495	12250	781.00	14.01	102.00	326.00	-0.8352	0.0003	7.9070	-2.9841	0.1951	277.5750
	43.00	-12.24	386.00	1296.00	0.0957	0.0002	5.4301	-2.0800	0.2395	400.4213	12500	978.00	9.40	54.00	264.00	-0.9036	0.0002	5.4074	-2.0297	0.0000	234.2079
	26.00	4.00	432.00	722.00	0.0518	0.0001	3.3464	-1.2993	0.2460	408.6216	12750	1236.00	10.46	38.00	220.00	-0.9480	0.0002	3.3016	-1.2370	0.0000	213.9120
	24.00	100.00	328.00	2264.00	0.0260	0.0001	1.8524	-0.7402	0.2764	421.1041	13000	1465.00	8.04	24.00	352.00	-0.9744	0.0001	1.7757	-0.6663	0.0000	181.0089
	15.00	200.00	120.00	364.00	0.0122	0.0000	1.1103	-0.3869	0.2825	350.5247	13250	1710.00	6.94	8.00	86.00	-0.9890	0.0000	0.9514	-0.3016	0.0000	136.3857
	14.00	600.00	150.00	1104.00	0.0053	0.0000	0.5090	-0.1871	0.3087	332.8428	13500	2004.00	8.56	4.00	112.00	-0.9967	0.0000	0.2936	-0.0910	0.3167	128.5527
	10.00	900.00	54.00	1314.00	0.0022	0.0000	0.2095	-0.0835	0.3193	380.7269	13750	2251.00	7.45	16.00	126.00	-1.0000	0.0000	0.0000	0.0000	0.3332	120.7049
	12.00	1100.00	152.00	1192.00	0.0008	0.0000	0.1005	-0.0346	0.3554	328.0624	14000	2522.00	7.55	18.00	56.00	-1.0000	0.0000	0.0000	0.0000	0.4331	102.6288
	15.00	1400.00	166.00	258.00	0.0003	0.0000	0.0342	-0.0135	0.3953	590.8055	14250	2749.00	5.93	10.00	62.00	-1.0000	0.0000	0.0000	0.0000	0.3803	74.7925
	1917.00	-5.57	2.00	162.00	0.8892	0.0001	13.5410	-0.9219	0.2466	98.6131	10000	70.00	-28.57	34.00	396.00	-0.1074	0.0001	13.7568	-1.0027	0.2026	469.3754
	1735.00	-4.62	0.00	82.00	0.8524	0.0001	16.5586	-1.1536	0.2566	110.1845	10250	103.00	-24.26	14.00	40.00	-0.1430	0.0001	16.6808	-1.2238	0.2019	455.1564
	1495.00	-7.66	2.00	98.00	0.8098	0.0002	19.6222	-1.3843	0.2326	117.0959	10500	144.00	-22.16	20.00	184.00	-0.1847	0.0002	19.6865	-1.4435	0.1998	460.6621
	1279.00	-10.62	4.00	44.00	0.7617	0.0002	22.5827	-1.6011	0.2177	126.6281	10750	208.00	-15.45	34.00	462.00	-0.2321	0.0002	22.6191	-1.6492	0.2029	363.0840
	1100.00	-12.35	20.00	78.00	0.7089	0.0002	25.2709	-1.7916	0.2149	125.4689	11000	285.00	-10.94	182.00	580.00	-0.2842	0.0002	25.2847	-1.8285	0.2049	304.7864
	954.00	-12.72	14.00	40.00	0.6527	0.0002	27.5122	-1.9455	0.2194	138.9602	11250	363.00	-10.59	74.00	550.00	-0.3401	0.0002	27.5149	-1.9708	0.2016	275.8774
	813.00	-13.97	20.00	48.00	0.5942	0.0002	29.1482	-2.0551	0.2203	154.0161	11500	480.00	-5.33	20.00	188.00	-0.3983	0.0002	29.1479	-2.0688	0.2068	251.4017
	703.00	-13.21	14.00	60.00	0.5349	0.0002	30.0584	-2.1163	0.2259	162.9793	11750	601.00	-3.22	20.00	290.00	-0.4575	0.0002	30.0582	-2.1184	0.2068	246.2399
	598.00	-13.33	38.00	220.00	0.4761	0.0002	30.1733	-2.1290	0.2278	173.8679	12000	773.00	3.07	4.00	246.00	-0.5164	0.0002	30.1738	-2.1194	0.2184	173.9877
RU1909	500.00	-14.24	224.00	432.00	0.4189	0.0002	29.4859	-2.0957	0.2282	191.1112	12250	910.00	2.13	2.00	254.00	-0.5737	0.0002	29.4851	-2.0746	0.2140	179.2448
	422.00	-13.70	18.00	702.00	0.3643	0.0002	28.0580	-2.0217	0.2315	197.1000	12500	1105.00	5.64	6.00	24.00	-0.6286	0.0002	28.0461	-1.9890	0.2258	189.5162
	388.00	-4.43	24.00	158.00	0.3136	0.0002	27.2091	-1.9111	0.2451	202.0806	12750	1287.00	6.10	16.00	112.00	-0.6798	0.0002	27.1769	-1.8669	0.2274	150.3386
	339.00	0.89	160.00	444.00	0.2670	0.0002	24.8590	-1.7750	0.2525	222.8367	13000	1479.00	6.33	2.00	48.00	-0.7270	0.0002	24.8120	-1.7195	0.2300	141.2589
	300.00	8.70	158.00	442.00	0.2247	0.0002	22.1147	-1.6214	0.2587	221.4497	13250	1717.00	8.67	8.00	40.00	-0.7700	0.0002	22.0425	-1.5548	0.2476	126.3054
	269.00	19.56	36.00	604.00	0.1875	0.0002	20.7329	-1.4569	0.2677	224.7850	13500	1897.00	6.63	10.00	48.00	-0.8080	0.0002	20.5718	-1.3793	0.2385	131.1901
	232.00	26.78	24.00	166.00	0.1547	0.0001	17.7115	-1.2898	0.2703	215.5841	13750	2111.00	6.35	4.00	44.00	-0.8417	0.0001	17.5142	-1.2014	0.2412	117.5815
	197.00	34.01	70.00	438.00	0.1264	0.0001	16.2734	-1.1256	0.2727	254.6938	14000	2329.00	5.91	4.00	44.00	-0.8711	0.0001	15.9103	-1.0267	0.2414	123.9141
	180.00	53.85	98.00	210.00	0.1024	0.0001	13.3515	-0.9695	0.2811	310.1647	14250	2563.00	6.00	20.00	34.00	-0.8963	0.0001	12.9396	-0.8602	0.2495	93.6840
	152.00	63.44	240.00	814.00	0.0822	0.0001	12.0207	-0.8242	0.2816	227.9836	14500	2789.00	5.52	6.00	52.00	-0.9178	0.0001	11.3678	-0.7046	0.2494	73.3391
	0.00	-2.36	0.00	160.00	1.0000	0.0000	0.0000	0.0000	0.4159	201.2985	13800	0.00	0.00	0.00	550.00	0.0000	0.0000	0.0000	0.0000	0.2624	698.5412
	1261.00	-1.48	30.00	304.00	1.0000	0.0000	0.0000	0.0000	0.4181	138.1552	14000	1.00	0.00	2.00	2796.00	0.0000	0.0000	0.0001	-0.0001	0.2278	554.7203
	0.00	-3.24	0.00	274.00	1.0000	0.0000	0.0000	0.0000	0.3149	151.6368	14200	1.00	0.00	42.00	1742.00	0.0000	0.0000	0.0033	-0.0025	0.1937	458.6410
	0.00	-3.97	0.00	548.00	0.9999	0.0000	0.0000	0.0000	0.2690	181.7592	14400	1.00	0.00	24.00	1554.00	-0.0008	0.0000	0.0617	-0.0438	0.1588	480.3003
	629.00	-7.91	84.00	562.00	0.9917	0.0001	0.4621	-0.3541	0.1530	198.9283	14600	2.00	-33.33	368.00	1900.00	-0.0085	0.0001	0.4818	-0.3869	0.1358	531.9898
	452.00	-7.76	78.00	460.00	0.9466	0.0004	2.4863	-1.7961	0.1750	243.4933	14800	8.00	-20.00	330.00	3478.00	-0.0532	0.0004	2.4934	-1.8188	0.1264	431.5802
	234.00	-24.76	806.00	758.00	0.8029	0.0010	6.1787	-4.6406	0.0804	273.5313	15000	30.00	-3.23	1382.00	2902.00	-0.1968	0.0010	6.1794	-4.6528	0.1198	414.2191
CF905	114.00	-31.74	1500.00	1730.00	0.5404	0.0015	8.9168	-6.6574	0.1122	338.9754	15200	96.00	10.34	1090.00	1172.00	-0.4592	0.0015	8.9168	-6.6588	0.1200	359.0861
	39.00	-47.30	1676.00	3102.00	0.2612	0.0012	7.4965	-5.4587	0.1147	388.7956	15400	215.00	10.82	562.00	1192.00	-0.7384	0.0012	7.4956	-5.4492	0.1162	280.3520
	12.00	-58.62	434.00	4936.00	0.0851	0.0006	3.6709	-2.6147	0.1234	461.6633	15600	395.00	13.18	92.00	912.00	-0.9147	0.0006	3.6652	-2.5946	0.1427	257.4271
	5.00	-54.55	266.00	4430.00	0.0181	0.0002	1.0456	-0.7471	0.1418	497.1437	15800	558.00	5.08	38.00	714.00	-0.9819	0.0002	1.0281	-0.7168	0.0000	200.1987
	2.00	-60.00	448.00	3824.00	0.0025	0.0000	0.1729	-0.1296	0.1560	584.1931	16000	0.00	4.41	0.00	714.00	-0.9980	0.0000	0.1327	-0.0895	0.0000	202.9544
	1.00	-66.67	314.00	4198.00	0.0002	0.0000	0.0165	-0.0138	0.1737	573.2711	16200	0.00	3.69	0.00	432.00	-1.0000	0.0000	0.0000	0.0000	0.0000	151.9728
	1.00	-50.00	318.00	6998.00	0.0000	0.0000	0.0013	-0.0009	0.2029	572.6240	16400	0.00	3.12	0.00	244.00	-1.0000	0.0000	0.0000	0.0000	0.0000	151.6825
	1.00	0.00	10.00	3676.00	0.0000	0.0000	0.0000	0.0000	0.2317	601.4869	16600	0.00	2.65	0.00	92.00	-1.0000	0.0000	0.0000	0.0000	0.0000	124.3874
	0.00	-1.47	0.00	250.00	0.9234	0.0001	12.3939	-0.5337	0.1304	99.5957	14200	31.00	-18.42	444.00	1520.00	-0.0752	0.0001	12.7904	-0.6011	0.1127	294.1473
	0.00	-1.80	0.00	406.00	0.8902	0.0002	17.4250	-0.7211	0.1280	106.3521	14400	57.00	-5.00	402.00	2026.00	-0.1070	0.0002	17.7398	-0.7802	0.1179	238.6093
	0.00	-2.05	0.00	474.00	0.8493	0.0002	21.2385	-0.9209	0.1277	112.1657	14600	86.00	-6.52	358.00	1946.00	-0.1468	0.0002	21.3927	-0.9714	0.1185	241.9791
	1020.00	-4.23	40.00	614.00	0.8006	0.0002	25.0520	-1.1212	0.1212	128.6136	14800	134.00	0.00	260.00	4162.00	-0.1946	0.0002	25.1198	-1.1628	0.1226	230.8342
	912.00	-1.08	72.00	832.00	0.7443	0.0003	30.2217	-1.3070	0.1344	129.6031	15000	184.00	-3.16	116.00	2860.00	-0.2502	0.0003	30.2702	-1.3395	0.1225	216.7659
	781.00	-1.39	30.00	912.00	0.6817	0.0003	33.2255	-1.4644	0.1354	132.4129	15200	250.00	-3.10	62.00	950.00	-0.3122	0.0003	33.2370	-1.4877	0.1235	187.6278
	655.00	-3.25	36.00	568.00	0.6144	0.0003	35.5296	-1.5816	0.1336	132.6135	15400	332.00	-2.35	82.00	764.00	-0.3791	0.0003	35.5302	-1.5955	0.1252	179.1259
CF909	540.00	-5.92	14.00	928.00	0.5445	0.0004	36.9753	-1.6499	0.1316	146.7046	15600	441.00	1.15	52.00	546.00	-0.4490	0.0004	36.9757	-1.6544	0.1304	156.8087
	450.00	-7.02	302.00	1000.00	0.4739	0.0004	37.2109	-1.6635	0.1332	147.0192	15800	548.00	0.74	262.00	1488.00	-0.5195	0.0004	37.2112	-1.6585	0.1315	150.4102
	372.00	-8.37	970.00	4982.00	0.4051	0.0003	36.2152	-1.6246	0.1349	161.8402	16000	656.00	-1.06	8.00	250.00	-0.5885	0.0003	36.2147	-1.6103	0.1296	134.1919
	308.00	-9.94	104.00	1932.00	0.3398	0.0003	34.3135	-1.5394	0.1373	165.6424	16200	781.00	-2.01	42.00	508.00	-0.6541	0.0003	34.3029	-1.5157	0.1292	119.1962

	265.00	-7.67	1132.00	1426.00	0.2797	0.0003	31.6536	-1.4169	0.1424	175.8840	16400	931.00	-0.96	48.00	652.00	-0.7147	0.0003	31.6171	-1.3839	0.1321	129.4983
	215.00	-9.66	166.00	1342.00	0.2259	0.0003	28.4292	-1.2680	0.1435	171.5005	16600	0.00	0.55	0.00	202.00	-0.7691	0.0003	28.3458	-1.2259	0.1370	89.0661
	173.00	-13.93	550.00	5478.00	0.1790	0.0002	24.8590	-1.1046	0.1446	189.3094	16800	0.00	0.56	0.00	264.00	-0.8169	0.0002	24.7005	-1.0535	0.1396	75.5454
	148.00	-11.90	1102.00	2700.00	0.1392	0.0002	21.1634	-0.9375	0.1487	198.8915	17000	0.00	0.71	0.00	116.00	-0.8577	0.0002	20.9005	-0.8777	0.1408	137.2213
	121.00	-14.79	320.00	3596.00	0.1062	0.0002	17.5412	-0.7760	0.1513	144.1999	17200	0.00	0.63	0.00	160.00	-0.8918	0.0002	17.1394	-0.7076	0.1416	73.2389
	820.50	-1.91	20.00	170.00	0.9833	0.0001	1.0689	-0.0517	0.0000	0.0000	4200	4.50	0.00	42.00	2030.00	-0.0209	0.0001	1.4764	-0.0883	0.1583	256.2872
	0.00	-1.56	0.00	162.00	0.9640	0.0002	2.1130	-0.1106	0.0000	97.2912	4300	6.00	0.00	120.00	1098.00	-0.0375	0.0002	2.3689	-0.1435	0.1487	262.6220
	0.00	-1.79	0.00	230.00	0.9365	0.0003	3.4245	-0.1876	0.0000	116.0606	4400	8.00	-11.11	356.00	2044.00	-0.0628	0.0003	3.5776	-0.2165	0.1379	257.5876
	0.00	-2.10	0.00	270.00	0.8986	0.0004	4.9993	-0.2801	0.0000	164.1684	4500	13.00	-10.34	236.00	3158.00	-0.0988	0.0004	5.0854	-0.3048	0.1332	245.5366
	440.50	-3.29	28.00	320.00	0.8492	0.0005	6.7605	-0.3816	0.0000	239.0136	4600	19.50	-17.02	318.00	2948.00	-0.1468	0.0005	6.8049	-0.4021	0.1260	241.6765
	365.50	-1.35	64.00	448.00	0.7881	0.0006	8.5524	-0.4827	0.1100	176.5544	4700	32.50	-14.47	1172.00	3210.00	-0.2069	0.0006	8.5727	-0.4987	0.1231	230.6544
	292.00	-0.51	160.00	1060.00	0.7164	0.0007	10.1602	-0.5725	0.1177	172.4451	4800	52.50	-12.50	1122.00	6138.00	-0.2777	0.0007	10.1680	-0.5839	0.1209	204.7179
	229.50	1.32	182.00	838.00	0.6368	0.0008	11.3526	-0.6410	0.1244	182.0261	4900	86.50	-5.98	694.00	3222.00	-0.3568	0.0008	11.3552	-0.6478	0.1244	225.7598
SR909	166.50	-2.63	204.00	1536.00	0.5525	0.0008	11.8619	-0.6805	0.1198	195.5517	5000	128.50	-5.17	580.00	4072.00	-0.4409	0.0008	11.8617	-0.6826	0.1246	219.9679
	125.00	-1.19	1176.00	3872.00	0.4675	0.0009	11.9792	-0.6876	0.1250	197.2639	5100	184.00	-3.16	342.00	1792.00	-0.5259	0.0009	11.9794	-0.6849	0.1278	189.1828
	94.50	2.16	1180.00	6124.00	0.3853	0.0008	11.3926	-0.6642	0.1315	216.9672	5200	253.00	-0.59	146.00	1032.00	-0.6083	0.0008	11.3913	-0.6568	0.1345	168.5255
	70.00	2.94	1222.00	6266.00	0.3096	0.0008	10.6844	-0.6138	0.1362	226.3785	5300	328.00	-0.46	104.00	698.00	-0.6846	0.0008	10.6764	-0.6018	0.1396	144.6863
	51.50	1.98	1582.00	14880.00	0.2421	0.0007	9.1914	-0.5454	0.1404	228.4762	5400	427.50	4.01	32.00	520.00	-0.7528	0.0007	9.1747	-0.5288	0.1634	119.6284
	37.00	-3.90	1518.00	11992.00	0.1848	0.0006	8.0604	-0.4661	0.1435	241.8062	5500	516.50	3.71	188.00	676.00	-0.8111	0.0006	8.0150	-0.4450	0.1749	162.0705
	28.50	-6.56	1122.00	5666.00	0.1372	0.0005	6.8826	-0.3844	0.1494	244.7371	5600	594.00	0.85	30.00	136.00	-0.8598	0.0005	6.7806	-0.3589	0.1676	72.8128
	22.50	-8.16	200.00	2112.00	0.0995	0.0004	5.1433	-0.3065	0.1558	282.7330	5700	692.00	1.32	22.00	172.00	-0.8989	0.0004	5.0186	-0.2767	0.1832	81.9003
	18.00	-10.00	558.00	7062.00	0.0705	0.0003	4.1066	-0.2367	0.1628	230.0552	5800	784.00	0.77	28.00	206.00	-0.9297	0.0003	3.8916	-0.2028	0.1888	0.0000