

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	155.50	-1.58	112.00	674.00	1.0000	0.0000	0.0000	0.0000	0.2411	98.0432	1660	0.50	0.00	0.00	1004.00	0.0000	0.0000	0.0000	0.0000	0.2364	314.7756
	139.00	0.72	68.00	934.00	1.0000	0.0000	0.0000	0.0000	0.3156	121.8076	1680	0.50	0.00	0.00	3050.00	0.0000	0.0000	0.0002	-0.0001	0.2094	552.4172
	119.50	1.27	150.00	690.00	1.0000	0.0000	0.0000	0.0000	0.2873	136.8739	1700	0.50	0.00	0.00	4408.00	-0.0002	0.0000	0.0023	-0.0010	0.1820	730.9959
	95.50	-2.55	120.00	672.00	0.9992	0.0002	0.0083	-0.0029	0.1557	142.0993	1720	0.50	0.00	82.00	1270.00	-0.0017	0.0002	0.0190	-0.0077	0.1536	545.0346
	75.00	-3.85	130.00	980.00	0.9895	0.0009	0.0972	-0.0358	0.0000	177.9238	1740	1.00	100.00	70.00	4232.00	-0.0108	0.0008	0.1029	-0.0397	0.1433	360.0496
	56.00	-4.27	96.00	1244.00	0.9530	0.0029	0.3164	-0.1336	0.1120	224.7364	1760	1.00	100.00	104.00	6814.00	-0.0468	0.0029	0.3181	-0.1365	0.1113	384.6258
	37.50	-7.41	292.00	1296.00	0.8561	0.0068	0.7713	-0.3140	0.1023	249.7464	1780	2.00	-20.00	542.00	9556.00	-0.1434	0.0068	0.7719	-0.3159	0.0949	327.0001
	20.50	-19.61	284.00	1830.00	0.6764	0.0107	1.1816	-0.5000	0.0877	272.6413	1800	6.50	-13.33	1154.00	7634.00	-0.3230	0.0107	1.1816	-0.5008	0.0963	369.3122
	9.00	-33.33	816.00	3590.00	0.4441	0.0118	1.3044	-0.5509	0.0862	329.3552	1820	14.50	-6.45	1940.00	16048.00	-0.5552	0.0118	1.3044	-0.5507	0.0901	293.5434
	3.50	-41.67	320.00	8298.00	0.2319	0.0091	0.9781	-0.4258	0.0917	387.8546	1840	27.50	-1.79	1046.00	15898.00	-0.7676	0.0091	0.9780	-0.4245	0.0806	266.9848
	1.00	-60.00	996.00	12402.00	0.0937	0.0050	0.5359	-0.2336	0.0928	436.8067	1860	46.50	4.49	532.00	9852.00	-0.9059	0.0050	0.5351	-0.2312	0.1029	236.2875
	0.50	0.00	314.00	9148.00	0.0289	0.0020	0.2116	-0.0919	0.1078	510.3207	1880	65.50	4.80	126.00	958.00	-0.9711	0.0020	0.2090	-0.0886	0.1088	202.1032
	0.50	0.00	60.00	7434.00	0.0067	0.0006	0.0601	-0.0262	0.1332	483.1503	1900	87.50	6.71	138.00	1046.00	-0.9938	0.0006	0.0541	-0.0219	0.1865	175.9696
	0.50	0.00	120.00	4346.00	0.0012	0.0001	0.0123	-0.0055	0.1583	464.6323	1920	97.00	-4.90	60.00	982.00	-0.9999	0.0001	0.0000	0.0000	0.0000	149.7665
	0.50	0.00	120.00	4170.00	0.0002	0.0000	0.0018	-0.0008	0.1830	475.8672	1940	121.00	-0.82	48.00	988.00	-1.0000	0.0000	0.0000	0.0000	0.0000	138.7475
	0.50	0.00	60.00	5252.00	0.0000	0.0000	0.0003	-0.0001	0.2057	737.5834	1960	145.00	2.11	64.00	870.00	-1.0000	0.0000	0.0000	0.0000	0.0000	115.1031
0.50	0.00	0.00	2602.00	0.0000	0.0000	0.0000	0.0000	0.2283	608.7147	1980	161.00	-0.62	52.00	914.00	-1.0000	0.0000	0.0000	0.0000	0.0000	104.8912	
0.50	0.00	0.00	876.00	0.0000	0.0000	0.0000	0.0000	0.2506	529.3819	2000	186.00	2.20	78.00	820.00	-1.0000	0.0000	0.0000	0.0000	0.2823	93.4953	
0.50	0.00	0.00	770.00	0.0000	0.0000	0.0000	0.0000	0.2727	556.4457	2020	201.50	-0.25	48.00	754.00	-1.0000	0.0000	0.0000	0.0000	0.0000	86.6262	
0.50	0.00	0.00	1198.00	0.0000	0.0000	0.0000	0.0000	0.2946	601.9323	2040	221.50	-0.23	40.00	756.00	-1.0000	0.0000	0.0000	0.0000	0.0000	70.5293	
C1909	151.00	0.67	286.00	756.00	0.9081	0.0015	1.8411	-0.0622	0.1250	87.1132	1700	7.50	-11.76	290.00	2332.00	-0.0899	0.0014	1.8964	-0.0686	0.1151	179.3853
	135.00	1.50	432.00	1192.00	0.8718	0.0019	2.2861	-0.0814	0.1267	95.9271	1720	10.50	-8.70	286.00	4370.00	-0.1249	0.0018	2.3152	-0.0869	0.1154	189.5827
	117.50	0.43	290.00	824.00	0.8279	0.0023	2.7378	-0.1012	0.1210	105.3029	1740	13.00	-16.13	128.00	4630.00	-0.1678	0.0022	2.7517	-0.1059	0.1107	215.7270
	101.50	-0.98	400.00	1186.00	0.7765	0.0026	3.1788	-0.1205	0.1177	106.7275	1760	18.00	-12.20	588.00	11414.00	-0.2183	0.0026	3.1846	-0.1243	0.1117	185.1497
	89.50	1.13	266.00	990.00	0.7180	0.0030	3.7533	-0.1378	0.1225	118.9764	1780	22.50	-15.09	356.00	6540.00	-0.2762	0.0029	3.7577	-0.1407	0.1084	160.8314
	74.50	-1.32	246.00	1176.00	0.6538	0.0032	4.0662	-0.1517	0.1168	126.9980	1800	30.00	-11.76	212.00	3830.00	-0.3399	0.0032	4.0671	-0.1537	0.1102	179.8469
	62.50	-2.34	268.00	1060.00	0.5858	0.0034	4.2856	-0.1613	0.1162	129.2509	1820	39.50	-5.95	416.00	2440.00	-0.4076	0.0034	4.2856	-0.1624	0.1135	157.6105
	53.00	-0.93	448.00	1808.00	0.5159	0.0035	4.3964	-0.1659	0.1183	147.3011	1840	49.00	-4.85	554.00	2898.00	-0.4775	0.0035	4.3964	-0.1660	0.1137	147.7161
	43.50	-2.25	434.00	1554.00	0.4461	0.0035	4.3905	-0.1653	0.1172	152.6875	1860	57.50	-8.00	316.00	920.00	-0.5473	0.0035	4.3901	-0.1644	0.1084	130.7578
	35.50	-2.74	1230.00	2120.00	0.3787	0.0034	4.1574	-0.1595	0.1171	178.4764	1880	69.50	-6.71	318.00	810.00	-0.6150	0.0034	4.1570	-0.1577	0.1083	138.0710
	30.00	1.69	612.00	4240.00	0.3154	0.0031	3.8832	-0.1494	0.1208	173.7396	1900	82.00	-6.29	272.00	794.00	-0.6786	0.0032	3.8816	-0.1467	0.1066	121.8315
	23.50	0.00	310.00	1514.00	0.2578	0.0028	3.5315	-0.1360	0.1192	1288.1126	1920	96.00	-5.42	372.00	776.00	-0.7368	0.0029	3.5268	-0.1323	0.1056	110.3957
	19.00	2.70	256.00	1806.00	0.2066	0.0025	3.1270	-0.1203	0.1201	1178.4363	1940	113.00	-3.00	452.00	876.00	-0.7887	0.0026	3.1163	-0.1158	0.1104	102.9964
	16.00	10.34	350.00	2712.00	0.1623	0.0022	2.6957	-0.1037	0.1238	190.8564	1960	130.50	-1.14	302.00	444.00	-0.8339	0.0022	2.6761	-0.0983	0.1146	101.6236
	13.00	13.04	194.00	8420.00	0.1251	0.0018	2.2626	-0.0871	0.1253	200.4424	1980	146.50	-1.68	598.00	798.00	-0.8721	0.0019	2.2299	-0.0808	0.1116	261.5175
	11.50	35.29	1328.00	20992.00	0.0946	0.0015	1.8489	-0.0713	0.1307	197.7722	2000	161.50	-2.71	370.00	756.00	-0.9039	0.0016	1.7991	-0.0641	0.0986	82.4816
8.50	30.77	62.00	946.00	0.0701	0.0012	1.4709	-0.0569	0.1288	1265.1011	2020	184.50	0.27	316.00	408.00	-0.9298	0.0013	1.3995	-0.0489	0.1237	210.8029	
7.00	40.00	258.00	1474.00	0.0510	0.0009	1.1393	-0.0444	0.1306	279.2913	2040	197.50	-2.23	338.00	644.00	-0.9505	0.0010	1.0406	-0.0356	0.0000	195.0914	
6.00	71.43	134.00	1546.00	0.0364	0.0007	0.8591	-0.0338	0.1346	312.0871	2060	220.00	-0.45	264.00	394.00	-0.9669	0.0008	0.7280	-0.0243	0.1144	173.9135	
5.00	100.00	784.00	4608.00	0.0255	0.0005	0.6306	-0.0252	0.1367	231.8711	2080	239.00	-0.42	316.00	954.00	-0.9799	0.0006	0.4609	-0.0149	0.1122	163.1396	
M1905	306.00	-1.61	0.00	300.00	1.0000	0.0000	0.0000	0.0000	0.0000	105.3062	2250	0.50000	0.0000	2.0000	3,050.0000	0.0000	0.0000	0.0000	0.0000	0.3075	426.2209
	256.00	-1.92	0.00	686.00	1.0000	0.0000	0.0000	0.0000	0.0000	124.1010	2300	0.50000	0.0000	10.0000	6,286.0000	0.0000	0.0000	0.0000	0.0000	0.2612	381.0258
	206.00	-2.37	0.00	944.00	1.0000	0.0000	0.0000	0.0000	0.0000	132.3846	2350	1.00000	100.0000	466.0000	8,660.0000	-0.0001	0.0000	0.0024	-0.0012	0.2372	366.2814
	158.00	-2.17	2.00	1112.00	0.9977	0.0002	0.0309	-0.0147	0.2139	156.5874	2400	1.50000	200.0000	204.0000	16,732.0000	-0.0030	0.0002	0.0422	-0.0226	0.2001	358.1403
	108.00	-5.68	172.00	2050.00	0.9677	0.0012	0.3309	-0.1715	0.1554	187.1159	2450	3.00000	-25.0000	822.0000	12,172.0000	-0.0322	0.0012	0.3342	-0.1770	0.1704	353.6500
	63.50	-13.01	868.00	10954.00	0.8342	0.0042	1.1755	-0.6070	0.1461	212.9272	2500	7.00000	-41.6667	3,570.0000	21,230.0000	-0.1653	0.0042	1.1761	-0.6100	0.1417	300.1701
	28.00	-30.86	4252.00	20480.00	0.5448	0.0067	1.8323	-0.9717	0.1345	239.1106	2550	22.00000	-25.4237	2,426.0000	7,198.0000	-0.4545	0.0067	1.8323	-0.9720	0.1345	254.0271
	9.50	-50.00	5644.00	32474.00	0.2328	0.0052	1.3797	-0.7506	0.1378	266.5203	2600	53.00000	-8.6207	1,048.0000	8,320.0000	-0.7666	0.0052	1.3796	-0.7483	0.1346	216.1625
	4.00	-46.67	2604.00	25030.00	0.0598	0.0020	0.5293	-0.2919	0.1618	273.8313	2650	97.00000	0.5181	516.0000	4,028.0000	-0.9399	0.0020	0.5276	-0.2869	0.1501	180.8752
	2.00	0.00	3316.00	30628.00	0.0089	0.0004	0.1039	-0.0593	0.1879	279.5851	2700	146.00000	3.5461	398.0000	16,526.0000	-0.9915	0.0004	0.0971	-0.0519	0.1894	154.3296
	2.00	300.00	4348.00	15408.00	0.0008	0.0000	0.0135	-0.0065	0.2354	282.4624	2750	194.50000	2.6385	632.0000	5,992.0000	-1.0000	0.0000	0.0000	0.0000	0.1914	130.6149
	1.00	100.00	350.00	19144.00	0.0000	0.0000	0.														

	0.50	0.00	412.00	6238.00	0.0000	0.0000	0.0000	0.0000	0.4344	405.1129	3100	542.50000	0.6494	38.0000	306.0000	-1.0000	0.0000	0.0000	0.0000	0.0000	63.4343	
	0.50	0.00	22.00	14364.00	0.0000	0.0000	0.0000	0.0000	0.4652	334.3489	3150	596.50000	1.2733	20.0000	332.0000	-1.0000	0.0000	0.0000	0.0000	0.5863	60.6452	
	0.50	0.00	20.00	13560.00	0.0000	0.0000	0.0000	0.0000	0.4955	251.7056	3200	649.00000	1.5649	22.0000	324.0000	-1.0000	0.0000	0.0000	0.0000	0.6960	55.3977	
	0.50	0.00	4.00	21524.00	0.0000	0.0000	0.0000	0.0000	0.5253	275.1314	3250	694.00000	0.7257	0.0000	216.0000	-1.0000	0.0000	0.0000	0.0000	0.0000	52.7698	
M1909	284.00	-4.38	30.00	926.00	0.9238	0.0007	2.0652	-0.0941	0.1707	67.4295	2350	12.50	-56.90	508.00	4280.00	-0.0749	0.0007	2.1320	-0.1061	0.1491	204.0817	
	240.00	-7.16	2.00	1070.00	0.8750	0.0010	3.2143	-0.1416	0.1618	88.2289	2400	20.00	-50.62	1222.00	10156.00	-0.1218	0.0010	3.2581	-0.1515	0.1486	183.5151	
	204.00	-8.31	8.00	780.00	0.8107	0.0013	4.1704	-0.1917	0.1663	105.1648	2450	32.00	-40.74	1020.00	8062.00	-0.1846	0.0013	4.1863	-0.1994	0.1515	192.3766	
	170.50	-10.03	84.00	1406.00	0.7317	0.0016	5.0605	-0.2379	0.1680	110.3820	2500	47.50	-33.10	1070.00	15508.00	-0.2626	0.0016	5.0645	-0.2433	0.1536	155.5124	
	139.50	-12.81	42.00	1100.00	0.6410	0.0019	5.7681	-0.2733	0.1674	109.7463	2550	66.50	-26.92	720.00	5672.00	-0.3526	0.0018	5.7686	-0.2764	0.1548	135.8377	
	114.00	-14.61	770.00	5544.00	0.5435	0.0020	6.2258	-0.2925	0.1696	114.2732	2600	90.50	-20.96	952.00	3666.00	-0.4498	0.0020	6.2261	-0.2932	0.1574	145.8314	
	94.00	-14.55	1280.00	6312.00	0.4452	0.0020	6.1618	-0.2931	0.1746	122.0946	2650	120.00	-14.89	300.00	2948.00	-0.5483	0.0020	6.1617	-0.2915	0.1622	127.0601	
	77.50	-13.89	518.00	18382.00	0.3517	0.0018	5.7412	-0.2764	0.1797	123.0674	2700	153.00	-10.26	268.00	2916.00	-0.6421	0.0019	5.7400	-0.2724	0.1667	122.1761	
	62.50	-13.79	308.00	6024.00	0.2679	0.0016	5.3104	-0.2460	0.1827	128.2035	2750	192.50	-5.17	14.00	1704.00	-0.7266	0.0017	5.2980	-0.2398	0.1771	120.5059	
	52.00	-10.34	914.00	8880.00	0.1968	0.0014	4.4749	-0.2075	0.1895	126.6587	2800	226.50	-4.83	4.00	1312.00	-0.7987	0.0014	4.4497	-0.1990	0.1732	106.8135	
	42.50	-6.59	256.00	9022.00	0.1394	0.0011	3.5506	-0.1663	0.1929	146.8349	2850	270.50	-1.99	30.00	1146.00	-0.8575	0.0011	3.5055	-0.1556	0.1839	97.2197	
	36.00	1.41	1270.00	14178.00	0.0953	0.0008	2.6524	-0.1270	0.1999	172.5360	2900	311.50	-1.27	94.00	410.00	-0.9033	0.0009	2.5794	-0.1142	0.1843	70.6814	
	31.00	12.73	872.00	6004.00	0.0627	0.0006	1.8657	-0.0927	0.2074	203.5399	2950	357.50	0.00	78.00	530.00	-0.9379	0.0007	1.7553	-0.0778	0.1938	68.2486	
26.50	26.19	266.00	6388.00	0.0400	0.0004	1.4304	-0.0647	0.2136	141.6261	3000	401.00	0.12	62.00	370.00	-0.9631	0.0005	1.2229	-0.0479	0.1932	61.3367		
23.50	46.88	208.00	2028.00	0.0247	0.0003	0.9097	-0.0434	0.2219	265.5349	3050	448.50	0.67	38.00	270.00	-0.9811	0.0004	0.6381	-0.0247	0.2013	56.9098		
20.00	66.67	294.00	3610.00	0.0147	0.0002	0.5446	-0.0279	0.2272	312.1470	3100	496.50	1.02	20.00	350.00	-0.9943	0.0003	0.1991	-0.0075	0.2097	52.0888		
19.00	111.11	1990.00	30744.00	0.0085	0.0001	0.3749	-0.0174	0.2382	151.6640	3150	542.00	0.74	2.00	1618.00	-1.0000	0.0000	0.0000	0.0000	0.2056	52.8968		
CU1904	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	
	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	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	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	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	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	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	0.0000	92.1780	
CU1905	4366.00	2.61	148.00	224.00	0.9978	0.0000	0.1398	0.2712	0.0000	101.0666	44000	6.00	500.00	46.00	1218.00	-0.0003	0.0000	0.1398	-0.0250	0.1466	403.0904	
	3374.00	3.40	174.00	160.00	0.9939	0.0000	1.6510	-0.0660	0.0000	142.9213	45000	13.00	85.71	222.00	932.00	-0.0042	0.0000	1.6510	-0.2946	0.1293	506.6730	
	2399.00	4.21	140.00	230.00	0.9655	0.0001	9.7670	-1.5814	0.0961	162.5554	46000	30.00	-33.33	1050.00	1258.00	-0.0326	0.0001	9.7670	-1.7427	0.1112	527.8766	
	1507.00	4.94	460.00	254.00	0.8552	0.0002	30.2254	-5.2960	0.1067	192.3285	47000	116.00	-34.46	1604.00	1570.00	-0.1429	0.0002	30.2254	-5.3898	0.1056	425.9949	
	771.00	1.98	1956.00	728.00	0.6190	0.0003	50.9255	-9.0418	0.1046	234.1190	48000	377.00	-23.99	1600.00	2662.00	-0.3791	0.0003	50.9255	-9.0681	0.1037	336.6974	
	325.00	0.62	1932.00	1780.00	0.3299	0.0003	48.4752	-8.6355	0.1081	276.3691	49000	928.00	-12.62	1236.00	2360.00	-0.6682	0.0003	48.4752	-8.5944	0.1069	268.0577	
	126.00	16.67	1064.00	1950.00	0.1212	0.0002	26.9780	-4.8114	0.1160	341.4527	50000	1746.00	-5.42	362.00	654.00	-0.8769	0.0002	26.9780	-4.7028	0.1199	213.3947	
	50.00	78.57	610.00	1728.00	0.0298	0.0001	9.0619	-1.6169	0.1261	376.5369	51000	2643.00	-4.38	164.00	240.00	-0.9683	0.0001	9.0619	-1.4408	0.1188	170.3205	
	19.00	280.00	126.00	1090.00	0.0049	0.0000	1.8922	-0.3377	0.1347	352.3258	52000	3635.00	-2.83	116.00	150.00	-0.9932	0.0000	1.8922	-0.0942	0.1474	130.8993	
	12.00	1100.00	150.00	1582.00	0.0005	0.0000	0.2525	-0.0451	0.1529	345.0215	53000	4625.00	-2.32	60.00	186.00	-0.9976	0.0000	0.2525	0.2659	0.1696	110.9681	
6.00	500.00	18.00	1580.00	0.0000	0.0000	0.0221	-0.0039	0.1641	410.8915	54000	5613.00	-2.09	70.00	218.00	-0.9981	0.0000	0.0221	0.3745	0.1824	92.8467		
CU1906	4438.00	2.66	98.00	118.00	0.9870	0.0000	4.7724	-0.0925	0.1243	108.3013	44000	19.00	35.71	122.00	2162.00	-0.0089	0.0000	4.7724	-0.3907	0.1180	435.6143	
	3444.00	2.44	58.00	52.00	0.9615	0.0000	15.0792	-1.0031	0.1010	116.2382	45000	36.00	-29.41	390.00	496.00	-0.0344	0.0000	15.0792	-1.2339	0.1057	403.2366	
	2513.00	2.07	102.00	136.00	0.8960	0.0001	34.6778	-2.6720	0.0998	159.7446	46000	102.00	-31.08	292.00	1452.00	-0.0999	0.0001	34.6778	-2.8355	0.1024	1141.3451	
	1692.00	1.32	246.00	90.00	0.7713	0.0002	59.2101	-4.7385	0.1014	178.1284	47000	258.00	-26.91	900.00	1062.00	-0.2246	0.0002	59.2101	-4.8348	0.0998	463.2042	
	1014.00	-1.84	216.00	194.00	0.5919	0.0002	76.4517	-6.1969	0.1003	215.7628	48000	572.00	-19.89	382.00	526.00	-0.4040	0.0002	76.4517	-6.2258	0.0985	226.0596	
	556.00	-3.30	490.00	466.00	0.3936	0.0002	75.9290	-6.1862	0.1027	224.5995	49000	1122.00	-10.53	182.00	230.00	-0.6023	0.0002	75.9290	-6.1479	0.1025	195.5674	
	292.00	2.10	530.00	516.00	0.2227	0.0002	58.9246	-4.8123	0.1076	257.7681	50000	1856.00	-5.35	200.00	180.00	-0.7732	0.0002	58.9246	-4.7066	0.1077	169.5058	
	148.00	17.46	450.00	1300.00	0.1062	0.0001	36.2576	-2.9647	0.1128	261.6732	51000	2680.00	-4.25	60.00	462.00	-0.8897	0.0001	36.2576	-2.7918	0.1062	129.7300	
	71.00	44.90	418.00	680.00	0.0426	0.0000	17.9312	-1.4672	0.1170	298.6438	52000	3613.00	-2.85	54.00	66.00	-0.9533	0.0000	17.9312	-1.2269	0.1118	119	

RU1905	371.00	-39.18	114.00	84.00	0.6980	0.0005	10.6987	-4.2851	0.1191	258.3168	11000	72.00	-16.28	472.00	820.00	-0.3006	0.0005	10.7005	-4.3025	0.1583	489.1759
	250.00	-42.26	158.00	138.00	0.5602	0.0006	12.3633	-4.8583	0.1643	283.9998	11250	166.00	5.06	768.00	672.00	-0.4383	0.0006	12.3633	-4.8627	0.1650	446.0785
	155.00	-46.55	512.00	474.00	0.4178	0.0006	12.3341	-4.8214	0.1806	320.2062	11500	314.00	18.49	1216.00	1346.00	-0.5807	0.0006	12.3337	-4.8128	0.1758	411.2935
	95.00	-47.80	974.00	854.00	0.2882	0.0005	10.5532	-4.2182	0.1956	347.1232	11750	480.00	17.94	254.00	542.00	-0.7105	0.0005	10.5522	-4.1967	0.1661	345.7351
	64.00	-40.19	826.00	1918.00	0.1834	0.0004	8.2770	-3.2826	0.2166	380.4182	12000	698.00	19.93	230.00	630.00	-0.8155	0.0004	8.2703	-3.2484	0.1761	308.1949
	52.00	-10.34	470.00	970.00	0.1076	0.0003	5.8328	-2.2890	0.2475	385.1677	12250	923.00	17.88	210.00	310.00	-0.8916	0.0003	5.8130	-2.2424	0.1620	277.3464
	39.00	30.00	426.00	1292.00	0.0582	0.0002	3.6927	-1.4395	0.2684	395.0612	12500	1166.00	16.14	138.00	282.00	-0.9415	0.0002	3.6505	-1.3808	0.1532	235.6466
	20.00	42.86	788.00	648.00	0.0291	0.0001	2.1000	-0.8215	0.2653	406.6067	12750	1405.00	13.49	80.00	180.00	-0.9712	0.0001	2.0251	-0.7511	0.0000	213.6427
	20.00	233.33	1024.00	2322.00	0.0135	0.0000	1.0725	-0.4278	0.2979	416.6785	13000	1509.00	1.96	68.00	352.00	-0.9875	0.0001	0.9536	-0.3460	0.0000	178.6609
	11.00	450.00	420.00	444.00	0.0058	0.0000	0.4918	-0.2041	0.2963	348.2921	13250	1889.00	9.44	64.00	84.00	-0.9961	0.0000	0.3172	-0.1114	0.0000	135.9305
	12.00	1100.00	370.00	1102.00	0.0023	0.0000	0.2559	-0.0895	0.3299	326.0484	13500	2125.00	7.59	56.00	88.00	-1.0000	0.0000	0.0000	0.0000	0.0000	126.4204
	7.00	600.00	408.00	1298.00	0.0009	0.0000	0.0971	-0.0367	0.3298	379.8703	13750	2279.00	2.43	44.00	108.00	-1.0000	0.0000	0.0000	0.0000	0.0000	118.0531
	9.00	800.00	436.00	1146.00	0.0003	0.0000	0.0330	-0.0139	0.3690	324.4344	14000	2580.00	4.24	52.00	38.00	-1.0000	0.0000	0.0000	0.0000	0.0000	100.0331
11.00	1000.00	388.00	284.00	0.0001	0.0000	0.0137	-0.0049	0.4075	576.5740	14250	2856.00	4.81	56.00	60.00	-1.0000	0.0000	0.0000	0.0000	0.0000	72.3659	
RU1909	1856.00	-4.28	0.00	162.00	0.8694	0.0001	14.8133	-1.0501	0.2863	97.4970	10000	85.00	-32.54	32.00	420.00	-0.1265	0.0001	14.9601	-1.1242	0.2029	465.9156
	1653.00	-4.73	0.00	82.00	0.8289	0.0002	19.1122	-1.2844	0.2775	109.3408	10250	122.00	-29.07	64.00	68.00	-0.1661	0.0001	19.2499	-1.3477	0.2017	451.1426
	1460.00	-5.32	0.00	98.00	0.7825	0.0002	22.0461	-1.5099	0.2714	115.5875	10500	173.00	-24.12	24.00	190.00	-0.2116	0.0002	22.1187	-1.5622	0.2018	457.2812
	1230.00	-9.69	4.00	42.00	0.7311	0.0002	24.7044	-1.7139	0.2452	125.1944	10750	238.00	-19.87	34.00	484.00	-0.2623	0.0002	24.7384	-1.7550	0.2018	360.1188
	1071.00	-10.30	2.00	78.00	0.6758	0.0002	26.9180	-1.8851	0.2453	123.8478	11000	320.00	-15.34	112.00	660.00	-0.3172	0.0002	26.9325	-1.9148	0.2021	302.3510
	960.00	-7.69	0.00	40.00	0.6176	0.0002	28.5368	-2.0147	0.2577	137.0533	11250	398.00	-15.68	56.00	588.00	-0.3751	0.0002	28.5419	-2.0328	0.1951	273.3163
	769.00	-14.46	12.00	50.00	0.5579	0.0002	29.2509	-2.0964	0.2358	152.4003	11500	504.00	-13.25	18.00	184.00	-0.4346	0.0002	29.2512	-2.1029	0.1929	248.3143
	661.00	-14.38	10.00	60.00	0.4982	0.0002	29.7627	-2.1271	0.2391	161.3250	11750	700.00	-0.43	22.00	300.00	-0.4943	0.0002	29.7626	-2.1220	0.2154	246.3051
	546.00	-17.15	196.00	292.00	0.4398	0.0002	29.4796	-2.1097	0.2363	172.8472	12000	838.00	0.00	28.00	240.00	-0.5528	0.0002	29.4786	-2.0930	0.2136	172.9103
	430.00	-22.94	14.00	438.00	0.3839	0.0002	28.4256	-2.0487	0.2265	192.0931	12250	900.00	-8.72	2.00	252.00	-0.6090	0.0002	28.4216	-2.0204	0.1785	176.7546
	417.00	-11.28	42.00	728.00	0.3311	0.0002	26.6851	-1.9507	0.2500	194.3467	12500	1095.00	-4.45	2.00	22.00	-0.6621	0.0002	26.6724	-1.9109	0.1852	186.8823
	337.00	-14.03	62.00	166.00	0.2826	0.0002	25.7112	-1.8219	0.2462	202.3614	12750	1342.00	1.82	2.00	110.00	-0.7112	0.0002	25.6569	-1.7708	0.2076	148.6347
	289.00	-11.08	96.00	490.00	0.2386	0.0002	23.1791	-1.6719	0.2500	223.4148	13000	1544.00	2.93	4.00	46.00	-0.7558	0.0002	23.1050	-1.6096	0.2105	139.7457
	256.00	-4.48	112.00	478.00	0.1992	0.0002	20.3456	-1.5095	0.2585	222.0583	13250	1723.00	1.83	0.00	40.00	-0.7960	0.0002	20.2437	-1.4362	0.1961	124.5414
	211.00	-3.65	58.00	618.00	0.1648	0.0001	18.9489	-1.3415	0.2576	231.3153	13500	1973.00	4.28	2.00	50.00	-0.8313	0.0002	18.7327	-1.2573	0.2143	129.6257
	177.00	-1.12	60.00	196.00	0.1349	0.0001	15.9727	-1.1750	0.2605	224.2280	13750	2142.00	1.95	0.00	44.00	-0.8622	0.0001	15.7166	-1.0801	0.1740	115.1122
	147.00	1.38	76.00	450.00	0.1094	0.0001	14.5783	-1.0147	0.2606	262.5251	14000	2361.00	1.90	0.00	44.00	-0.8890	0.0001	14.1263	-0.9094	0.1365	121.1990
	126.00	7.69	104.00	296.00	0.0880	0.0001	11.8018	-0.8654	0.2652	322.3872	14250	2586.00	1.89	0.00	34.00	-0.9116	0.0001	11.3009	-0.7498	0.0000	91.3362
	119.00	27.96	110.00	886.00	0.0700	0.0001	10.5549	-0.7284	0.2759	232.8598	14500	2816.00	1.92	0.00	52.00	-0.9310	0.0001	9.7774	-0.6028	0.0000	71.4877
	CF905	0.00	-3.11	0.00	160.00	1.0000	0.0000	0.0000	0.0000	0.5140	201.2985	13800	1.00	0.00	8.00	550.00	0.0000	0.0000	0.0000	0.0000	0.2688
0.00		-3.61	0.00	304.00	1.0000	0.0000	0.0000	0.0000	0.4543	138.1552	14000	0.00	0.00	0.00	2796.00	0.0000	0.0000	0.0001	0.0000	0.2318	554.7203
0.00		-4.21	0.00	274.00	1.0000	0.0000	0.0000	0.0000	0.3968	151.6368	14200	1.00	0.00	18.00	1732.00	0.0000	0.0000	0.0031	-0.0024	0.1953	453.0092
0.00		-5.32	0.00	548.00	0.9997	0.0000	0.0170	-0.0126	0.3332	181.7592	14400	1.00	0.00	44.00	1550.00	-0.0008	0.0000	0.0575	-0.0509	0.1572	474.7046
559.00		-13.60	186.00	572.00	0.9892	0.0001	0.6388	-0.4781	0.1488	198.3189	14600	2.00	-33.33	140.00	1918.00	-0.0109	0.0001	0.6583	-0.5074	0.1317	525.4244
362.00		-20.09	124.00	448.00	0.9276	0.0006	2.9746	-2.4129	0.1147	246.4175	14800	10.00	25.00	1070.00	4092.00	-0.0722	0.0006	2.9792	-2.4320	0.1247	433.2068
179.00		-34.43	1150.00	820.00	0.7378	0.0013	6.9048	-5.7487	0.0942	277.2689	15000	37.00	27.59	1644.00	2582.00	-0.2618	0.0013	6.9052	-5.7572	0.1141	414.4744
65.00		-50.76	2232.00	1538.00	0.4310	0.0016	8.2120	-6.9483	0.1023	361.4612	15200	121.00	39.08	1324.00	1052.00	-0.5686	0.0016	8.2120	-6.9458	0.1157	360.8860
18.00		-64.71	2762.00	3690.00	0.1649	0.0010	5.0128	-4.3923	0.1110	426.4588	15400	268.00	30.10	852.00	1138.00	-0.8348	0.0010	5.0120	-4.3790	0.1209	283.5127
5.00		-70.59	2378.00	4208.00	0.0389	0.0003	1.8171	-1.4889	0.1240	500.1026	15600	473.00	27.15	248.00	842.00	-0.9610	0.0003	1.8089	-1.4651	0.1906	258.7044
2.00		-66.67	396.00	4274.00	0.0055	0.0001	0.3110	-0.2764	0.1436	534.6593	15800	640.00	14.08	144.00	768.00	-0.9948	0.0001	0.2894	-0.2426	0.0000	200.5817
1.00		-66.67	236.00	3834.00	0.0005	0.0000	0.0357	-0.0287	0.1649	595.4641	16000	840.00	10.96	14.00	710.00	-1.0000	0.0000	0.0000	0.0000	0.0000	202.9544
1.00		-50.00	58.00	4212.00	0.0000	0.0000	0.0024	-0.0017	0.1976	566.2071	16200	1011.00	5.75	6.00	426.00	-1.0000	0.0000	0.0000	0.0000	0.0000	151.9728
1.00	0.00	26.00	7016.00	0.0000	0.0000	0.0001	-0.0001	0.2288	565.4370	16400	1213.00	4.93	2.00	242.00	-1.0000	0.0000	0.0000	0.0000	0.0000	151.6825	
1.00	0.00	26.00	3666.00	0.0000	0.0000	0.0000	0.0000	0.2596	593.2336	16600	1351.00	-0.37	6.00	86.00	-1.0000	0.0000	0.0000	0.0000	0.0000	124.3874	
CF909	0.00	-3.05	0.00	250.00	0.9165	0.0001	13.8246	-0.5693	0.1400	99.5957	14200	34.00	0.00	260.00	1620.00	-0.0818	0.0001	14.2391	-0.6337	0.1120	291.5164
	1283.00	-5.94	4.00	402.00	0.8810	0.0002	17.4273	-0.7615	0.1179	106.3521	14400	56.00	0.00	206.00	2126.00	-0.1159	0.0002	17.6392	-0.8175	0.1135	235.3398
	0.00	-3.76	0.00	474.00	0.8373	0.0002	22.8733	-0.9640	0.1334	112.1657	14600	87.00	1.16	718.00	2394.00	-0.1585	0.0002	23.0360	-1.0113	0.1146	238.5606
	950.00	-8.57	24.00	634.00	0.7855	0.0003	26.6221	-1.1630	0.1160	126.4392	14800	135.00	4.65	862.00	4388.00	-0.2095	0.0003	26.6859	-1.2014	0.1178	227.7796
	827.00	-7.70	80.00	866.00	0.7264	0.0003															

