

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	184.50	8.53	122.00	628.00	1.0000	0.0000	0.0000	0.0000	0.1885	104.2275	1660	0.50	0.00	630.00	954.00	-0.0001	0.0000	0.0014	-0.0002	0.1811	461.6701
	160.50	7.00	128.00	818.00	1.0000	0.0000	0.0000	0.0000	0.0000	135.3793	1680	0.50	0.00	1686.00	3548.00	-0.0003	0.0000	0.0060	-0.0011	0.1631	589.4996
	138.50	6.13	12.00	692.00	1.0000	0.0000	0.0000	0.0000	0.0000	151.7745	1700	1.00	100.00	908.00	4672.00	-0.0014	0.0001	0.0224	-0.0043	0.1627	728.5761
	123.00	10.31	26.00	684.00	0.9962	0.0003	0.0475	-0.0081	0.0000	154.3620	1720	1.00	-33.33	248.00	1326.00	-0.0053	0.0003	0.0702	-0.0142	0.1432	495.3164
	103.50	11.29	10.00	978.00	0.9842	0.0008	0.2050	-0.0330	0.0000	190.3318	1740	2.00	-33.33	530.00	4258.00	-0.0164	0.0008	0.2216	-0.0382	0.1418	363.8952
	86.00	13.91	102.00	888.00	0.9568	0.0018	0.4721	-0.0812	0.1215	239.1297	1760	3.00	-45.45	1830.00	7386.00	-0.0430	0.0018	0.4804	-0.0854	0.1325	427.5046
	67.50	13.45	62.00	1096.00	0.9032	0.0034	0.8774	-0.1561	0.1141	255.2426	1780	5.50	-42.11	866.00	7598.00	-0.0961	0.0034	0.8810	-0.1593	0.1316	337.4060
	50.50	10.99	636.00	1524.00	0.8139	0.0053	1.3657	-0.2472	0.1110	272.7335	1800	9.00	-41.94	1206.00	8634.00	-0.1850	0.0053	1.3669	-0.2494	0.1268	349.1553
	37.50	11.94	364.00	3508.00	0.6878	0.0070	1.7945	-0.3286	0.1192	301.6296	1820	16.00	-31.91	534.00	3752.00	-0.3109	0.0070	1.7947	-0.3298	0.1323	277.6331
	26.00	10.64	2152.00	8472.00	0.5363	0.0079	1.9944	-0.3703	0.1198	325.5653	1840	24.50	-26.87	1538.00	14222.00	-0.4623	0.0079	1.9945	-0.3705	0.1323	248.1281
	18.00	12.50	3456.00	17246.00	0.3809	0.0075	1.9266	-0.3556	0.1254	345.3783	1860	36.00	-21.74	1064.00	10042.00	-0.6177	0.0075	1.9265	-0.3548	0.1359	217.4069
	12.50	19.05	1082.00	7826.00	0.2441	0.0062	1.5857	-0.2930	0.1322	390.4009	1880	49.50	-18.18	134.00	972.00	-0.7547	0.0062	1.5852	-0.2912	0.1381	190.1237
	7.50	15.38	646.00	6354.00	0.1402	0.0044	1.1046	-0.2082	0.1313	374.3581	1900	66.00	-13.73	100.00	968.00	-0.8588	0.0044	1.1029	-0.2054	0.1484	168.4450
	4.50	28.57	2162.00	5696.00	0.0718	0.0027	0.6511	-0.1281	0.1327	371.5129	1920	83.00	-11.23	80.00	1008.00	-0.9277	0.0027	0.6473	-0.1242	0.1547	139.5174
	2.50	25.00	1330.00	4824.00	0.0329	0.0015	0.3785	-0.0686	0.1337	386.3552	1940	99.00	-11.61	14.00	796.00	-0.9672	0.0015	0.3681	-0.0638	0.1406	134.5796
	1.50	50.00	3588.00	5700.00	0.0134	0.0007	0.1650	-0.0321	0.1372	798.1677	1960	118.50	-9.54	34.00	656.00	-0.9875	0.0007	0.1487	-0.0264	0.1550	112.8493
1.00	100.00	738.00	3222.00	0.0048	0.0003	0.0753	-0.0131	0.1440	626.5067	1980	137.00	-8.97	30.00	682.00	-0.9969	0.0003	0.0440	-0.0065	0.1472	104.2872	
0.50	0.00	40.00	672.00	0.0016	0.0001	0.0243	-0.0047	0.1433	646.7322	2000	160.00	-5.88	0.00	500.00	-1.0000	0.0000	0.0000	0.0000	0.2152	98.9899	
0.50	0.00	40.00	772.00	0.0005	0.0000	0.0087	-0.0015	0.1580	681.8616	2020	180.00	-5.26	0.00	536.00	-1.0000	0.0000	0.0000	0.0000	0.2347	88.6849	
0.50	0.00	320.00	980.00	0.0001	0.0000	0.0021	-0.0004	0.1726	739.8654	2040	200.00	-4.76	20.00	474.00	-1.0000	0.0000	0.0000	0.0000	0.2534	75.0567	
C1909	183.00	4.57	0.00	348.00	0.9472	0.0010	1.1744	-0.0360	0.1015	84.7047	1700	6.50	-18.75	278.00	546.00	-0.0532	0.0009	1.2659	-0.0439	0.1233	196.6228
	166.50	5.38	10.00	806.00	0.9227	0.0013	1.5731	-0.0508	0.1123	98.2351	1720	8.50	-19.05	20.00	616.00	-0.0760	0.0012	1.6305	-0.0579	0.1217	198.3632
	149.50	5.65	2.00	620.00	0.8920	0.0016	2.2075	-0.0674	0.1137	105.3330	1740	11.00	-21.43	40.00	3850.00	-0.1052	0.0015	2.2585	-0.0737	0.1203	224.1456
	132.50	5.16	0.00	930.00	0.8546	0.0019	2.6911	-0.0851	0.1122	103.6273	1760	14.50	-21.62	794.00	11080.00	-0.1414	0.0019	2.7202	-0.0905	0.1195	174.6297
	119.50	7.66	20.00	792.00	0.8104	0.0022	3.1747	-0.1029	0.1201	116.8297	1780	18.50	-21.28	512.00	5762.00	-0.1845	0.0022	3.1897	-0.1075	0.1182	161.0278
	103.50	6.15	40.00	684.00	0.7598	0.0026	3.6349	-0.1199	0.1167	131.3642	1800	24.00	-18.64	148.00	1432.00	-0.2343	0.0025	3.6416	-0.1236	0.1190	172.5714
	90.00	6.51	34.00	748.00	0.7033	0.0029	4.0454	-0.1348	0.1167	122.5468	1820	32.50	-12.16	6.00	1000.00	-0.2901	0.0028	4.0477	-0.1377	0.1241	153.0348
	78.00	6.85	20.00	684.00	0.6423	0.0031	4.3798	-0.1468	0.1177	139.1636	1840	37.50	-16.67	222.00	1176.00	-0.3508	0.0031	4.3802	-0.1487	0.1181	142.6274
	68.50	9.60	124.00	1072.00	0.5780	0.0032	4.6148	-0.1549	0.1218	143.5867	1860	48.00	-11.93	132.00	596.00	-0.4147	0.0032	4.6148	-0.1559	0.1225	121.7422
	57.00	7.55	96.00	990.00	0.5123	0.0033	4.7332	-0.1587	0.1195	177.6520	1880	56.50	-12.40	120.00	472.00	-0.4804	0.0033	4.7332	-0.1587	0.1205	133.6125
	48.50	8.99	328.00	2220.00	0.4469	0.0033	4.7262	-0.1580	0.1204	170.9266	1900	69.50	-8.55	52.00	574.00	-0.5458	0.0033	4.7259	-0.1571	0.1249	116.8540
	40.50	9.46	14.00	1038.00	0.3836	0.0032	4.5947	-0.1531	0.1205	1540.5154	1920	79.50	-10.17	36.00	374.00	-0.6094	0.0032	4.5930	-0.1513	0.1211	107.3577
	34.50	13.11	70.00	1132.00	0.3238	0.0030	4.3489	-0.1444	0.1233	1407.8464	1940	95.00	-6.86	24.00	404.00	-0.6695	0.0030	4.3446	-0.1417	0.1275	106.0083
	28.00	12.00	304.00	2338.00	0.2688	0.0027	4.0078	-0.1329	0.1220	191.5868	1960	109.50	-6.01	0.00	390.00	-0.7251	0.0028	3.9992	-0.1292	0.1291	100.8288
	23.50	17.50	176.00	7980.00	0.2194	0.0024	3.5961	-0.1193	0.1240	198.7135	1980	124.00	-5.70	20.00	448.00	-0.7752	0.0025	3.5809	-0.1147	0.1297	309.9630
	19.50	21.88	1488.00	14664.00	0.1761	0.0021	3.1415	-0.1045	0.1254	188.8246	2000	140.00	-5.08	0.00	472.00	-0.8194	0.0022	3.1171	-0.0991	0.1315	84.0989
16.00	28.00	20.00	550.00	0.1390	0.0018	2.6721	-0.0895	0.1261	1541.7784	2020	156.50	-4.57	0.00	424.00	-0.8576	0.0019	2.6354	-0.0833	0.1335	252.9548	
13.00	30.00	42.00	686.00	0.1078	0.0015	2.2127	-0.0750	0.1275	317.4564	2040	172.00	-5.23	12.00	414.00	-0.8900	0.0016	2.1601	-0.0679	0.1305	234.9474	
11.00	37.50	82.00	714.00	0.0822	0.0013	1.7840	-0.0615	0.1294	352.3754	2060	191.00	-4.02	0.00	476.00	-0.9170	0.0013	1.7119	-0.0535	0.1372	207.9087	
8.50	41.67	10.00	1494.00	0.0617	0.0010	1.4003	-0.0493	0.1288	243.3177	2080	208.00	-4.15	10.00	706.00	-0.9392	0.0011	1.3048	-0.0406	0.1356	196.8231	
M1905	259.00	-6.50	22.00	190.00	1.0000	0.0000	0.0000	0.0000	0.0000	121.7617	2250	2.00	-20.00	652.00	3684.00	-0.0009	0.0000	0.0234	-0.0049	0.2234	377.7299
	228.50	-0.87	8.00	526.00	0.9951	0.0002	0.0866	-0.0185	0.3298	132.2705	2300	3.50	-36.36	3206.00	9176.00	-0.0062	0.0002	0.1165	-0.0287	0.2070	335.3986
	166.00	-10.75	168.00	940.00	0.9706	0.0008	0.4710	-0.1018	0.1914	130.3910	2350	6.00	-47.83	822.00	10070.00	-0.0295	0.0008	0.4860	0.0000	0.1897	346.4761
	124.00	-14.78	278.00	1536.00	0.9007	0.0020	1.1895	-0.2784	0.1934	158.0090	2400	11.00	-46.34	4188.00	23550.00	-0.0985	0.0020	1.1935	-0.2840	0.1757	310.8403
	80.50	-26.82	888.00	2520.00	0.7584	0.0035	2.1114	-0.5056	0.1644	173.2168	2450	21.00	-40.00	5040.00	16856.00	-0.2403	0.0035	2.1118	-0.5087	0.1662	290.1722
	48.50	-38.99	3334.00	13750.00	0.5513	0.0045	2.6942	-0.6450	0.1593	191.7090	2500	38.50	-29.36	6468.00	22552.00	-0.4473	0.0045	2.6941	-0.6455	0.1592	263.8329
	28.00	-49.55	6424.00	20470.00	0.3327	0.0000	2.4784	-0.5938	0.1647	213.0027	2550	67.00	-16.77	1522.00	11744.00	-0.6659	0.0041	2.4783	-0.5917	0.1611	229.3508
	15.00	-58.90	6296.00	28988.00	0.0000	0.0028	1.6440	-0.4026	0.1693	231.6076	2600	106.50	-4.48	1206.00	11144.00	0.0000	0.0028	1.6425	-0.3980	0.0000	203.8904
	9.00	-60.87	3026.00	18376.00	0.0637	0.0014	0.8923	-0.2044	0.1830	230.2509	2650	150.50	1.69	1084.00	5610.00	-0.9359	0.0014	0.8834	-0.1974	0.1940	175.7620
	6.00	-57.14	3478.00	33204.00	0.0200	0.0005	0.3220	-0.0791	0.2009	235.0976	2700	195.50	3.44	2200.00	17866.00	-0.9806	0.0006	0.3040	-0.0697	0.1986	152.2416
	4.00	-50.00	1236.00	20346.00	0.0050	0.0002	0.1036	-0.0236	0.2163	238.3599	2750	247.50	6.22	2050.00	6446.00	-0.9968	0.0002	0.0615	0.0000	0.2531	132.9327
	3.50	-22.22	1176.00	22138.00	0.0010	0.0000	0.0261	-0.0055	0.2422	230.7805	2800	295.50									

	1.50	200.00	314.00	5864.00	0.0000	0.0000	0.0000	0.0000	0.3607	271.7979	3100	586.00	1.91	0.00	288.00	-1.0000	0.0000	0.0000	0.0000	0.0000	69.6259
	1.50	200.00	346.00	14704.00	0.0000	0.0000	0.0000	0.0000	0.3842	281.5957	3150	636.00	1.76	0.00	340.00	-1.0000	0.0000	0.0000	0.0000	0.0000	62.2685
	1.50	200.00	246.00	13796.00	0.0000	0.0000	0.0000	0.0000	0.4073	211.0150	3200	692.50	2.59	2.00	274.00	-1.0000	0.0000	0.0000	0.0000	0.4524	56.0281
	1.00	100.00	790.00	25270.00	0.0000	0.0000	0.0000	0.0000	0.4059	257.4242	3250	741.50	2.28	20.00	142.00	-1.0000	0.0000	0.0000	0.0000	0.4474	53.1498
MI909	263.50	-3.48	24.00	690.00	0.8663	0.0010	3.3322	-0.1403	0.2031	68.9951	2350	37.00	2.78	466.00	2164.00	-0.1299	0.0010	3.3677	-0.1502	0.1845	206.5903
	226.50	-4.23	68.00	978.00	0.8032	0.0013	4.3144	-0.1856	0.1997	93.6106	2400	49.50	1.02	308.00	2206.00	-0.1915	0.0000	4.3284	-0.1934	0.1830	187.6810
	192.00	-5.19	70.00	550.00	0.7271	0.0016	5.2329	-0.2269	0.1965	106.6157	2450	65.00	0.00	396.00	8760.00	-0.2666	0.0000	5.2372	-0.2324	0.1815	205.8076
	161.50	-5.83	222.00	1296.00	0.6406	0.0000	5.9648	-0.2585	0.1949	111.3143	2500	84.00	0.00	3878.00	11530.00	-0.3524	0.0017	5.9656	-0.2617	0.1801	168.1249
	135.00	-6.25	150.00	834.00	0.5483	0.0019	6.3974	-0.2762	0.1942	109.5202	2550	106.00	0.00	952.00	4308.00	-0.4444	0.0019	6.3974	-0.2771	0.1784	148.6146
	112.50	-5.86	520.00	4232.00	0.4550	0.0019	6.4591	-0.2781	0.1951	118.6500	2600	132.00	0.38	304.00	2416.00	-0.5377	0.0019	6.4590	-0.2767	0.1777	150.6377
	91.50	-6.63	1016.00	4314.00	0.3659	0.0018	6.1403	-0.2650	0.0000	124.8326	2650	162.00	1.57	420.00	2778.00	-0.6272	0.0018	6.1386	-0.2613	0.1784	148.1300
	76.50	-3.77	872.00	9542.00	0.2848	0.0016	5.4963	-0.2399	0.1985	120.4440	2700	196.00	2.62	188.00	1620.00	-0.7089	0.0016	5.4903	0.0000	0.1808	125.9610
	63.00	-1.56	850.00	5154.00	0.2146	0.0000	0.0000	-0.2069	0.2000	128.9496	2750	233.50	3.78	120.00	1180.00	-0.7802	0.0014	4.6182	-0.1986	0.1844	124.4076
	51.50	0.98	412.00	6338.00	0.1567	0.0011	4.0083	-0.1704	0.2019	133.9386	2800	273.00	4.20	34.00	1310.00	-0.8395	0.0012	3.9623	-0.1599	0.1869	109.8951
	43.50	8.75	1150.00	7740.00	0.0000	0.0009	3.0556	-0.1344	0.2076	148.0315	2850	315.00	4.65	0.00	988.00	-0.8870	0.0009	2.9869	-0.1218	0.1914	101.4364
	36.00	16.13	562.00	9248.00	0.0758	0.0007	2.4724	-0.1017	0.2099	180.7847	2900	355.00	3.95	24.00	374.00	-0.9240	0.0007	2.3308	-0.0870	0.1878	75.4204
	31.50	31.25	176.00	3932.00	0.0506	0.0005	1.7044	-0.0741	0.2181	226.5469	2950	392.00	1.95	12.00	342.00	-0.9517	0.0000	1.5233	-0.0575	0.1666	70.7163
	27.00	50.00	320.00	5524.00	0.0325	0.0003	1.1066	-0.0519	0.2222	138.2634	3000	433.50	1.17	20.00	400.00	-0.9725	0.0004	0.8715	-0.0334	0.1416	61.1254
	23.00	64.29	54.00	1502.00	0.0205	0.0002	0.0000	-0.0353	0.0000	286.1009	3050	495.50	4.54	62.00	260.00	-0.9876	0.0003	0.4405	-0.0150	0.2089	54.8871
20.00	90.48	250.00	3406.00	0.0125	0.0002	0.5685	-0.0231	0.2321	339.5820	3100	537.50	3.27	96.00	354.00	-0.9990	0.0002	0.0000	0.0000	0.1915	51.2148	
18.50	146.67	2588.00	20402.00	0.0074	0.0001	0.3203	-0.0147	0.2409	154.7393	3150	586.00	3.26	86.00	1656.00	-1.0000	0.0000	0.0000	0.0000	0.1970	53.0931	
CU1904	5873.00	7.25	116.00	240.00	0.9991	0.0000	0.0000	0.3975	0.0000	97.0092	44000	2.00	100.00	222.00	1412.00	0.0000	0.0000	0.0000	0.0000	0.2434	584.6077
	4555.00	1.74	14.00	186.00	0.9991	0.0000	0.0000	0.3301	0.0000	119.3172	45000	3.00	200.00	6.00	1918.00	0.0000	0.0000	0.0000	0.0000	0.2127	359.2243
	3887.00	11.76	90.00	242.00	0.9991	0.0000	0.0053	0.2607	0.0000	146.1079	46000	3.00	200.00	198.00	2100.00	0.0000	0.0000	0.0053	-0.0021	0.1718	426.4172
	2855.00	14.70	222.00	204.00	0.9982	0.0000	0.3059	0.0747	0.0000	182.1857	47000	5.00	-54.55	294.00	2974.00	-0.0010	0.0000	0.3059	-0.1207	0.1395	350.3177
	1921.00	23.62	262.00	394.00	0.9772	0.0001	4.9359	-1.8194	0.1236	224.4488	48000	18.00	-76.00	1266.00	2966.00	-0.0220	0.0001	4.9359	-1.9475	0.1182	342.4827
	1003.00	27.93	858.00	754.00	0.8281	0.0003	23.9145	-9.3713	0.1086	288.9357	49000	106.00	-65.13	1712.00	3652.00	-0.1710	0.0003	23.9145	-9.4319	0.1095	303.3168
	359.00	21.69	3060.00	2170.00	0.4623	0.0004	37.3722	-14.7264	0.1084	363.1969	50000	459.00	-43.68	1048.00	1074.00	-0.5369	0.0004	37.3722	-14.7196	0.1084	243.4945
	80.00	2.56	3488.00	2580.00	0.1320	0.0002	20.1308	-7.9404	0.1105	450.1960	51000	1190.00	-25.49	218.00	242.00	-0.8671	0.0002	20.1308	-7.8663	0.1154	180.4925
	16.00	23.08	932.00	1798.00	0.0170	0.0000	3.9755	-1.5685	0.1206	514.1402	52000	2109.00	-16.71	128.00	178.00	-0.9821	0.0000	3.9755	-1.4271	0.1128	139.2758
	5.00	400.00	224.00	1598.00	0.0010	0.0000	0.3048	-0.1203	0.1392	544.6416	53000	3159.00	-10.23	40.00	174.00	-0.9982	0.0000	0.3048	0.0886	0.2139	113.9664
3.00	200.00	64.00	1930.00	0.0000	0.0000	0.0096	-0.0038	0.1657	535.8853	54000	4155.00	-8.01	32.00	344.00	-0.9991	0.0000	0.0096	0.2725	0.2607	88.7040	
CU1905	5400.00	7.48	190.00	238.00	0.9967	0.0000	0.2611	0.3353	0.0000	99.2350	44000	10.00	150.00	212.00	1486.00	-0.0004	0.0000	0.2611	-0.0311	0.1510	361.8641
	4423.00	9.48	72.00	140.00	0.9936	0.0000	1.7870	0.0861	0.0000	141.8133	45000	15.00	-16.67	184.00	508.00	-0.0035	0.0000	1.7870	-0.2131	0.1329	349.2971
	3416.00	10.62	184.00	256.00	0.9780	0.0000	7.9068	-0.7106	0.0000	149.2710	46000	37.00	-42.19	376.00	750.00	-0.0191	0.0000	7.9068	-0.9426	0.1242	300.2518
	2540.00	15.09	134.00	198.00	0.9252	0.0001	23.2418	-2.6045	0.1181	166.5585	47000	97.00	-46.41	614.00	1024.00	-0.0719	0.0001	23.2418	-2.7693	0.1181	273.2461
	1707.00	17.81	216.00	158.00	0.8035	0.0002	46.5390	-5.4425	0.1176	194.9107	48000	250.00	-40.62	964.00	854.00	-0.1936	0.0002	46.5390	-5.5400	0.1153	237.6948
	1029.00	19.65	464.00	1072.00	0.6074	0.0002	64.9714	-7.6888	0.1170	225.7430	49000	565.00	-31.93	598.00	1170.00	-0.3897	0.0002	64.9714	-7.7191	0.1147	200.8639
	560.00	22.81	796.00	958.00	0.3823	0.0002	64.6132	-7.6785	0.1188	289.8380	50000	1129.00	-20.72	228.00	252.00	-0.6148	0.0002	64.6132	-7.6415	0.1220	182.7853
	287.00	34.74	608.00	666.00	0.1947	0.0002	46.6961	-5.5590	0.1234	326.2459	51000	1858.00	-14.73	98.00	156.00	-0.8024	0.0002	46.6961	-5.4548	0.1282	149.5626
	134.00	54.02	530.00	1014.00	0.0790	0.0001	24.9834	-2.9767	0.1268	303.9546	52000	2708.00	-11.27	78.00	136.00	-0.9181	0.0001	24.9834	-2.8053	0.1352	118.9028
	62.00	100.00	294.00	756.00	0.0255	0.0000	10.0676	-1.2001	0.1317	315.8798	53000	3636.00	-8.96	60.00	154.00	-0.9716	0.0000	10.0676	-0.9614	0.1459	106.5440
35.00	250.00	338.00	1316.00	0.0065	0.0000	3.1051	-0.3702	0.1420	392.0896	54000	4601.00	-7.42	28.00	178.00	-0.9906	0.0000	3.1051	-0.0643	0.1597	89.3841	
CU1906	5183.00	3.66	0.00	34.00	0.9885	0.0000	4.0577	0.0873	0.0000	104.5517	44000	26.00	0.00	32.00	1140.00	-0.0064	0.0000	4.0577	-0.2736	0.1296	364.1343
	4186.00	3.38	0.00	32.00	0.9726	0.0000	11.9312	-0.5103	0.0000	107.9684	45000	74.00	4.23	8.00	158.00	-0.0223	0.0000	11.9312	-0.8041	0.1320	248.0628
	3193.00	1.37	0.00	90.00	0.9331	0.0001	27.4170	-1.6198	0.0000	146.1897	46000	3.00	-98.22	0.00	194.00	-0.0617	0.0001	27.4170	-1.8466	0.0637	818.7709
	2222.00	-4.84	0.00	64.00	0.8552	0.0001	49.9983	-3.2042	0.0000	160.7251	47000	246.00	-30.11	8.00	92.00	-0.1397	0.0001	49.9983	-3.3639	0.1176	409.3239
	1338.00	-18.32	0.00	86.00	0.7315	0.0001	73.3913	-4.8363	0.0000	170.1236	48000	509.00	-21.81	18.00	174.00	-0.2634	0.0001	73.3913	-4.9288	0.1203	165.4791
	1175.00	8.90	74.00	260.00	0.5718	0.0002	87.8594	-5.8559	0.1099	202.2921	49000	881.00	-19.10	6.00	92.00	-0.4231	0.0002	87.8594	-5.8814	0.1194	160.0183
	769.00	15.64	4.00	82.00	0.4019	0.0002	86.8291	-5.8179	0.1171	235.0168	50000	1359.00	-18.67	22.00	98.00	-0.5930	0.0002	86.8291	-5.7763	0.1140	141.0271
	423.00	11.02	26.00	230.00	0.2514	0.0001	71.6434	-4.8135	0.1145	227.5592	51000	2250.00	-5.66	270.00	434.00	-0.7435	0.0001	71.6434	-4.7048	0.1420	110.1193
	238.00	17.24	18.00	120.00	0.1392	0.0001	49.8739	-3.3560	0.1176	257.7912	52000	2804.00	-12.46	0.00	46.00	-0.8557	0.0001	49.8739	-3.1802	0.1103	108.1913
	105.00																				

RU1905	1700.00	2.60	0.00	54.00	0.9817	0.0001	1.8853	-0.3948	0.2967	164.6432	10500	12.00	-14.29	76.00	726.00	-0.0190	0.0001	2.0817	-0.4747	0.2352	307.9540
	1462.00	2.89	0.00	78.00	0.9597	0.0001	3.7232	-0.8156	0.2772	178.5751	10750	15.00	-46.43	20.00	302.00	-0.0402	0.0001	3.8424	-0.8845	0.2115	316.8909
	1214.00	1.51	4.00	36.00	0.9228	0.0002	5.6449	-1.4085	0.2409	220.4214	11000	28.00	-46.15	114.00	854.00	-0.0763	0.0002	5.6876	-1.4660	0.2058	322.3877
	1034.00	5.08	2.00	88.00	0.8670	0.0002	8.6786	-2.1325	0.2706	242.7599	11250	48.00	-47.25	24.00	300.00	-0.1316	0.0002	8.6987	-2.1781	0.1966	321.0497
	763.00	-3.54	48.00	318.00	0.7907	0.0003	11.9448	-2.8860	0.2051	266.6816	11500	98.00	-33.33	204.00	1238.00	-0.2075	0.0003	11.9533	-2.9195	0.2039	299.4427
	599.00	-3.23	40.00	468.00	0.6958	0.0004	14.7552	-3.5354	0.2165	301.9805	11750	150.00	-33.04	78.00	610.00	-0.3021	0.0004	14.7588	-3.5564	0.1923	283.5427
	400.00	-15.07	170.00	1286.00	0.5877	0.0004	16.1588	-3.9481	0.1886	343.3168	12000	274.00	-15.95	178.00	654.00	-0.4100	0.0004	16.1587	-3.9565	0.2125	282.6001
	306.00	-12.32	110.00	576.00	0.4749	0.0005	16.5455	-4.0499	0.2075	346.8156	12250	384.00	-15.23	84.00	400.00	-0.5228	0.0005	16.5456	-4.0455	0.2034	267.4511
	226.00	-9.60	442.00	1186.00	0.3663	0.0004	15.7391	-3.8330	0.2192	346.9070	12500	526.00	-13.06	52.00	438.00	-0.6315	0.0004	15.7382	-3.8161	0.1979	214.7699
	170.00	-2.30	232.00	920.00	0.2691	0.0004	14.0970	-3.3681	0.2327	371.9663	12750	740.00	-4.88	54.00	250.00	-0.7290	0.0004	14.0876	-3.3386	0.2230	219.0420
	131.00	11.97	558.00	2422.00	0.1885	0.0003	11.0481	-2.7561	0.2469	415.6192	13000	890.00	-8.34	12.00	368.00	-0.8099	0.0003	11.0356	-2.7142	0.1806	186.2270
	98.00	27.27	110.00	328.00	0.1258	0.0002	8.5981	-2.1110	0.2565	246.6835	13250	1211.00	2.63	10.00	120.00	-0.8730	0.0002	8.5648	-2.0570	0.2826	143.1488
	76.00	58.33	276.00	1236.00	0.0800	0.0002	6.2999	-1.5186	0.2681	277.8209	13500	1438.00	2.57	8.00	92.00	-0.9193	0.0002	6.2315	-1.4528	0.2991	149.6065
	59.00	96.67	102.00	1604.00	0.0486	0.0001	4.3456	-1.0294	0.2791	315.1432	13750	1590.00	-2.63	0.00	78.00	-0.9514	0.0001	4.2265	-0.9522	0.1804	121.8916
41.00	127.78	52.00	558.00	0.0282	0.0001	2.8218	-0.6598	0.2819	309.6798	14000	1827.00	-2.35	0.00	44.00	-0.9726	0.0001	2.6350	-0.5713	0.0000	118.1663	
33.00	230.00	110.00	218.00	0.0156	0.0000	1.7247	-0.4011	0.2941	329.6080	14250	2069.00	-2.08	0.00	60.00	-0.9860	0.0000	1.4541	-0.3018	0.0000	97.3034	
RU1909	2519.00	1.74	0.00	162.00	0.9440	0.0001	8.8187	-0.4871	0.2755	98.8187	10000	95.00	-10.38	0.00	236.00	-0.0558	0.0001	9.4789	-0.5917	0.2546	504.0760
	2304.00	1.81	0.00	80.00	0.9199	0.0001	11.6874	-0.6721	0.2725	113.2451	10250	128.00	-9.86	0.00	32.00	-0.0780	0.0001	12.1239	-0.7670	0.2537	494.0653
	2096.00	1.85	0.00	98.00	0.8908	0.0001	14.8124	-0.8748	0.2689	122.9500	10500	97.00	-48.13	2.00	158.00	-0.1057	0.0001	15.0928	-0.9596	0.2119	434.6431
	1898.00	1.82	0.00	50.00	0.8563	0.0001	18.1170	-1.0872	0.2678	135.2822	10750	138.00	-42.74	10.00	90.00	-0.1390	0.0001	18.2881	-1.1616	0.2136	397.4422
	1710.00	1.85	0.00	54.00	0.8165	0.0002	21.4688	-1.2996	0.2651	130.7248	11000	282.00	-7.54	0.00	208.00	-0.1777	0.0001	21.5692	-1.3633	0.2533	319.6773
	1534.00	1.93	0.00	32.00	0.7718	0.0002	24.7082	-1.5016	0.2643	142.9257	11250	251.00	-33.95	2.00	184.00	-0.2216	0.0002	24.7620	-1.5543	0.2137	297.2226
	1368.00	2.01	0.00	44.00	0.7229	0.0002	27.6453	-1.6830	0.2635	152.1190	11500	438.00	-6.01	0.00	142.00	-0.2699	0.0002	27.6718	-1.7246	0.2538	247.4037
	1215.00	2.02	0.00	44.00	0.6705	0.0002	30.0911	-1.8352	0.2622	171.6454	11750	426.00	-24.47	4.00	174.00	-0.3217	0.0002	30.1028	-1.8655	0.2187	259.2394
	1073.00	1.90	0.00	188.00	0.6159	0.0002	31.8731	-1.9517	0.2626	168.1790	12000	548.00	-18.81	8.00	230.00	-0.3761	0.0002	31.8783	-1.9705	0.2252	179.8960
	943.00	1.84	0.00	66.00	0.5599	0.0002	32.6481	-2.0267	0.2611	186.8650	12250	720.00	-9.55	4.00	38.00	-0.4319	0.0002	32.6479	-2.0341	0.2414	200.9122
	794.00	-1.98	6.00	556.00	0.5040	0.0002	33.1982	-2.0581	0.2517	201.8437	12500	888.00	-4.41	0.00	22.00	-0.4878	0.0002	33.1983	-2.0540	0.2531	212.4874
	650.00	-7.67	2.00	132.00	0.4490	0.0002	32.8638	-2.0490	0.2403	215.5610	12750	1029.00	-4.01	0.00	124.00	-0.5429	0.0002	32.8643	-2.0334	0.2528	160.9011
	610.00	0.16	2.00	354.00	0.3959	0.0002	32.5195	-2.0026	0.2564	210.0591	13000	1126.00	-8.16	6.00	40.00	-0.5963	0.0002	32.4993	-1.9755	0.2351	154.7865
	505.00	-4.17	10.00	418.00	0.3458	0.0002	30.9167	-1.9199	0.2508	238.2723	13250	1294.00	-7.04	2.00	44.00	-0.6468	0.0002	30.8968	-1.8815	0.2369	135.4826
	448.00	-1.10	22.00	618.00	0.2989	0.0002	28.6170	-1.8115	0.2555	223.3843	13500	1480.00	-5.55	8.00	48.00	-0.6941	0.0002	28.5867	-1.7618	0.2393	140.3847
	396.00	2.33	18.00	154.00	0.2560	0.0002	27.3713	-1.6820	0.2611	217.4777	13750	1699.00	-2.91	0.00	38.00	-0.7377	0.0002	27.2766	-1.6212	0.2524	134.5448
	347.00	5.79	22.00	210.00	0.2172	0.0002	24.3335	-1.5385	0.2637	296.0364	14000	1890.00	-2.58	0.00	40.00	-0.7772	0.0002	24.2210	-1.4667	0.2510	150.8053
313.00	12.19	12.00	34.00	0.1825	0.0001	22.8065	-1.3876	0.2707	275.4870	14250	2088.00	-2.43	0.00	14.00	-0.8128	0.0002	22.5688	-1.3050	0.2515	113.9814	
293.00	24.15	44.00	452.00	0.1522	0.0001	19.4737	-1.2349	0.2816	261.7914	14500	2293.00	-2.26	0.00	46.00	-0.8441	0.0001	19.2110	-1.1417	0.2502	80.7165	
CF905	1392.00	0.87	8.00	158.00	1.0000	0.0000	0.0000	0.0000	0.2234	201.2985	13800	3.00	200.00	88.00	542.00	-0.0006	0.0000	0.0769	-0.0225	0.1770	712.0606
	0.00	1.69	0.00	338.00	0.9984	0.0000	0.1632	-0.0384	0.2198	138.1552	14000	5.00	66.67	320.00	2784.00	-0.0031	0.0000	0.3359	-0.0958	0.1656	602.1087
	0.00	2.03	0.00	276.00	0.9887	0.0001	1.0527	-0.2682	0.1954	151.9381	14200	7.00	0.00	212.00	1934.00	-0.0119	0.0001	1.1506	-0.3170	0.1487	443.6659
	797.00	0.38	4.00	526.00	0.9632	0.0002	3.0423	-0.7835	0.1485	183.6556	14400	14.00	-6.67	170.00	1554.00	-0.0367	0.0002	3.0943	-0.8230	0.1406	483.0829
	600.00	-2.12	76.00	486.00	0.9071	0.0004	5.8609	-1.6663	0.1224	220.2943	14600	31.00	-8.82	564.00	1790.00	-0.0923	0.0004	5.8752	-1.6961	0.1376	491.9581
	462.00	3.13	98.00	484.00	0.8065	0.0006	10.1499	-2.7829	0.1515	265.8115	14800	64.00	-7.25	480.00	3356.00	-0.1926	0.0006	10.1543	-2.8027	0.1355	425.8475
	303.00	-2.26	250.00	838.00	0.6607	0.0008	13.7993	-3.7354	0.1357	276.8918	15000	122.00	-6.15	1030.00	3446.00	-0.3382	0.0008	13.8005	-3.7448	0.1348	384.2063
	199.00	-1.97	1042.00	1862.00	0.4877	0.0009	14.8505	-4.0767	0.1405	337.2523	15200	213.00	-4.48	684.00	844.00	-0.5111	0.0009	14.8505	-4.0756	0.1364	339.8080
	115.00	-9.45	934.00	3046.00	0.3190	0.0008	13.5247	-3.6583	0.1382	390.9177	15400	336.00	-2.89	196.00	1346.00	-0.6799	0.0008	13.5228	-3.6468	0.1391	287.2039
	70.00	-10.26	1420.00	5062.00	0.1829	0.0006	9.6877	-2.7161	0.1453	431.8961	15600	496.00	-0.20	178.00	754.00	-0.8162	0.0006	9.6829	-2.6943	0.1507	270.6611
	41.00	-14.58	408.00	3890.00	0.0913	0.0004	6.1115	-1.6825	0.1509	456.4571	15800	650.00	-2.40	38.00	848.00	-0.9081	0.0004	6.0911	-1.6507	0.1384	213.3460
	25.00	-16.67	504.00	5206.00	0.0395	0.0002	3.2616	-0.8750	0.1591	497.1470	16000	813.00	-4.24	2.00	722.00	-0.9604	0.0002	3.2087	-0.8334	0.0000	218.1614
	14.00	-30.00	528.00	4082.00	0.0148	0.0001	1.4721	-0.3842	0.1643	534.5491	16200	989.00	-4.72	2.00	446.00	-0.9857	0.0001	1.3646	-0.3333	0.0000	172.4378
9.00	-35.71	194.00	6660.00	0.0048	0.0000	0.5616	-0.1433	0.1734	559.9197	16400	0.00	-1.62	0.00	262.00	-0.9966	0.0000	0.3743	-0.0833	0.0000	154.1593	
6.00	-40.00	464.00	4848.00	0.0014	0.0000	0.1810	-0.0457	0.1829	625.3562	16600	0.00	-1.40	0.00	152.00	-1.0000	0.0000	0.0000	0.0000	0.0000	117.7893	
CF909	0.00	0.13	0.00	202.00	0.8978	0.0002	16.3809	-0.6479	0.1418	105.8310	14200	89.00	2.30	124.00	1012.00	-0.0996	0.0001	16.7074	-0.7115	0.1371	327.2861
	0.00	0.22	0.00	388.00	0.8609	0.0002	21.9709	-0.8282	0.1419	113.0952	14400	124.00	2.48	356.00	1406.00	-0.1352	0.0002	22.2625	-0.8833	0.1380	255.3379
	0.00	0.17	0.00	452.00	0.8167	0.0002	25.9902	-1.0116	0.1419	112.1657	1460										

