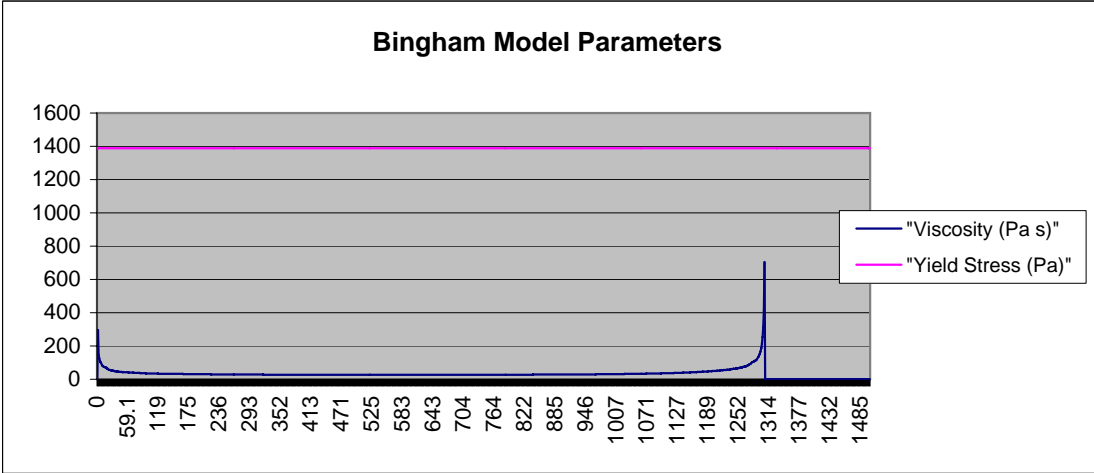
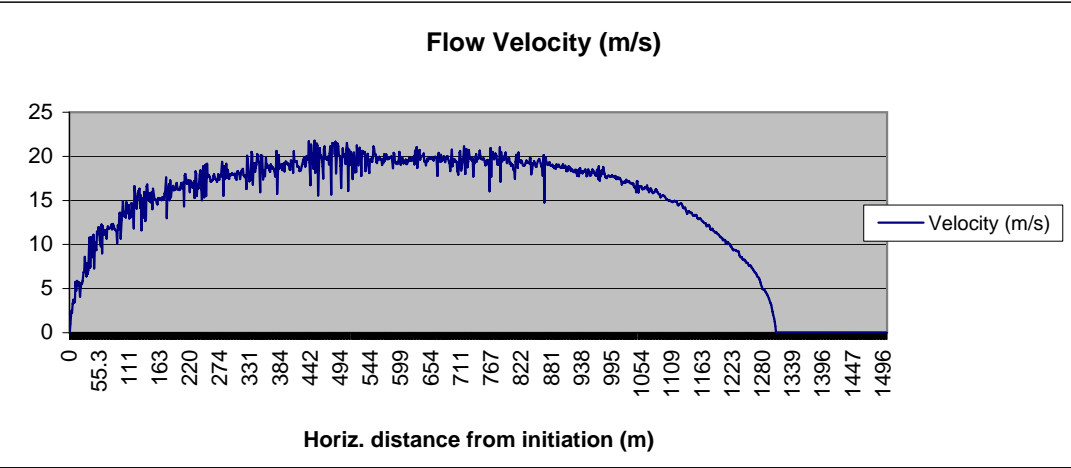


Table DR1. Granular 1-D Model

x (m)	z (m)	z+800 (m)	dz/dx (m/m)	slope (deg)	slope*10	shear rate	l	mu (friction a (m^2/s)	v_hor (m/s)	v (m/s)	t (s)	eta (Pa s)	tau_y (Pa)	angle	tan(angle)	g (m^2/s)	I_0	d (m)	h (m)	rho_mix (kg/m^3)	rho_s (kg/m^3)		
0	-2199.62	800.3799	0.890791	41.69436	416.9436	0	0.001	0.382797	1.422453	0	0	0	#DIV/0!	1388.74	mu_s	20.9	0.381863	3.73	0.279	0.001	0.75	1300	2700
1.41421	-2200.88	799.1201	1.421285	54.87022	548.7022	4.713607	0.001	0.382797	2.240916	1.017132	1.767603	2.780779	295.3445	1388.74	mu_2	32.76	0.643468						
2.82843	-2202.89	797.1101	1.011129	45.3216	453.216	9.494694	0.004061	0.385616	1.649728	2.50349	3.56051	3.584171	147.7026	1388.74	Note: observed flow is approx. 1250 m from likely initiation point								
4.24264	-2204.32	795.6799	1.598072	57.96356	579.6356	11.24206	0.008181	0.389315	2.404483	2.236291	4.215771	4.180912	125.9416	1388.74	Note: friction law used here is Eq. 2 of Jop et al., Nature, v. 441, p. 727-730, 2006								
5.65685	-2206.58	793.4199	1.169922	49.47757	494.7757	13.39299	0.009687	0.390641	1.898754	3.263264	5.022371	4.695211	106.0751	1388.74									
6.65685	-2207.75	792.25	1.046499	46.30162	463.0162	14.40115	0.01154	0.392254	1.694976	3.730952	5.400431	4.981162	99.05655	1388.74									
8.07107	-2209.23	790.77	1.392983	54.32605	543.2605	15.58479	0.012409	0.393002	2.186853	3.40823	5.844297	5.377347	91.70809	1388.74									
9.48528	-2211.2	788.8	1.484997	56.0436	560.436	16.99593	0.013428	0.393876	2.28547	3.55998	6.373474	5.783251	84.28066	1388.74									
10.89949	-2213.3	786.7	0.643402	32.75731	327.5731	18.34826	0.014644	0.394909	0.783656	5.786375	6.880597	6.085874	78.27374	1388.74									
12.31371	-2214.21	785.79	1.090088	47.46806	474.6806	18.77778	0.01581	0.395892	1.75979	4.760175	7.041668	6.35406	76.67358	1388.74									
13.31371	-2215.3	784.7	0.73999	36.50108	365.0108	19.44421	0.01618	0.396202	1.036322	5.861304	7.291579	6.542357	74.10373	1388.74									
14.31371	-2216.04	783.96	0.969971	44.12668	441.2668	19.82321	0.016754	0.396682	1.543154	5.335929	7.433704	6.720973	72.77501	1388.74									
15.31371	-2217.01	782.99	0.989883	44.7087	447.087	20.37678	0.01708	0.396955	1.580212	5.430611	7.641293	6.906734	70.84653	1388.74									
16.72792	-2218.41	781.5901	0.968815	44.09253	440.9253	21.15667	0.017557	0.397351	1.539131	5.698154	7.933751	7.160888	68.30311	1388.74									
18.14214	-2219.78	780.22	1.739459	60.10578	601.0578	21.88828	0.018229	0.397907	2.507362	4.090922	8.208106	7.449826	66.11253	1388.74									
19.55635	-2222.24	777.76	1.378827	54.04835	540.4835	23.04029	0.01886	0.398427	2.158482	5.072629	8.640111	7.758486	62.88895	1388.74									
20.97056	-2224.19	775.8101	1.251587	51.37565	513.7565	23.98243	0.019852	0.399241	1.995166	5.613791	8.99341	8.02316	60.54182	1388.74									
22.38478	-2225.96	774.04	1.357593	53.62473	536.2473	24.81907	0.020664	0.399903	2.129921	5.519806	9.307151	8.277206	58.59792	1388.74									
23.79899	-2227.88	772.1201	1.315298	52.75485	527.5485	25.68211	0.021385	0.400487	2.076254	5.82881	9.63079	8.526436	56.71153	1388.74									
25.2132	-2229.74	770.26	1.046499	46.30162	463.0162	26.49513	0.022129	0.401087	1.672091	6.864178	9.935673	8.749269	55.05366	1388.74									
26.62742	-2231.22	768.78	1.080078	47.20466	472.0466	27.1298	0.022829	0.40165	1.728419	6.911807	10.17367	8.954586	53.84115	1388.74									
27.62742	-2232.3	767.7	0.664641	33.60963	336.0963	27.58284	0.023376	0.402087	0.819983	8.614414	10.34357	9.0834	53.01448	1388.74									
29.04163	-2233.24	766.76	1.046507	46.30182	463.0182	27.8818	0.023766	0.402398	1.668707	7.223403	10.45568	9.261987	52.48663	1388.74									
30.45584	-2234.72	765.28	1.3436	53.34084	533.4084	28.48368	0.024024	0.402603	2.106846	6.377357	10.68138	9.469947	51.40372	1388.74									
31.87006	-2236.62	763.3799	0.961571	43.87767	438.7767	29.22754	0.024543	0.403015	1.509822	7.900439	10.96033	9.668048	50.14666	1388.74									
33.28427	-2237.98	762.02	1.340088	53.26897	532.6897	29.74704	0.025184	0.403521	2.100458	6.671435	11.15514	9.862149	49.33285	1388.74									
34.28427	-2239.32	760.6799	1.23744	51.05763	510.5763	30.24916	0.025631	0.403874	1.964731	7.129785	11.34344	10.00706	48.55634	1388.74									
35.69848	-2241.07	758.9299	0.39585	21.59612	215.9612	30.90236	0.026064	0.404214	-0.029164	10.7749	11.58838	10.16503	47.56998	1388.74									
37.11269	-2241.63	758.3701	1.21637	50.57575	505.7575	30.89287	0.026627	0.404654	1.933073	7.357029	11.58482	10.32103	47.63646	1388.74									
38.52691	-2243.35	756.6499	1.216206	50.57196	505.7196	31.52215	0.026618	0.404648	1.932853	7.507495	11.8208	10.51131	46.68475	1388.74									
39.94112	-2245.07	754.9299	0.47998	25.6401	256.401	32.13879	0.027161	0.405071	0.25325	10.86528	12.05205	10.66525	45.83687	1388.74									
40.94112	-2245.55	754.45	0.975727	44.29612	442.9612	32.19482	0.027692	0.405484	1.530547	8.641172	12.07306	10.76778	45.80375	1388.74									
42.35533	-2246.93	753.0701	1.025266	45.71474	457.1474	32.67292	0.02774	0.405521	1.622718	8.554968	12.25234	10.93226	45.13768	1388.74									
43.76955	-2248.38	751.6201	0.502192	26.66544	266.6544	33.17239	0.028152	0.40584	0.322889	11.11659	12.43965	11.07605	44.49304	1388.74									
45.18376	-2249.09	750.9099	1.389893	54.26574	542.6574	33.27028	0.028583	0.406173	2.154445	7.286524	12.47635	11.22974	44.39848	1388.74									
46.18376	-2250.48	749.52	0.721265	35.80158	358.0158	33.73076	0.028667	0.406238	0.958131	10.25897	12.64904	11.34373	43.79937	1388.74									
47.59797	-2251.5	748.5	0.855574	40.54943	405.4943	34.01642	0.029064	0.406544	1.279476	9.692708	12.75616	11.48549	43.46422	1388.74									
49.01218	-2252.71	747.29	0.949951	43.52973	435.2973	34.39469	0.02931	0.406733	1.47691	9.351276	12.89801	11.63401	43.00621	1388.74									
50.01218	-2253.66	746.3401	0.537406	28.25383	282.5383	34.70004	0.029636	0.406983	0.430816	11.46219	13.01251	11.7301	42.65397	1388.74									
51.4264	-2254.42	745.5801	0.608189	31.30752	313.0752	34.82489	0.029899	0.407184	0.644014	11.15777	13.05934	11.85515	42.52208	1388.74									
52.84061	-2255.28	744.72	0.449951	24.22542	242.2542	35.01087	0.030006	0.407266	0.145972	11.97291	13.12908	11.97743	42.30475	1388.74									
53.84061	-2255.73	744.27	0.586955	30.41103	304.1103	35.04052	0.030167	0.407389	0.580729	11.33232	13.14019	12.06324	42.28166	1388.74									
55.25482	-2256.56	743.4399	0.77002	37.59697	375.9697	35.20719	0.030192	0.407408	1.077393	10.46078	13.2027	12.19303	42.08352	1388.74									
56.25482	-2257.33	742.6699	0.912198	42.371	423.71	35.4248	0.030336	0.407518	1.398209	9.814395	13.2843	12.29167	41.83625	1388.74									
57.66903	-2258.62	741.3799	0.445392	24.00783	240.0783	35.82173	0.030523	0.407661	0.129253	12.27105	13.43315	12.41974	41.38719	1388.74									
59.08325	-2259.25	740.75	1.110119	47.98732	479.8732	35.85802	0.030865	0.407921	1.762414	8.999847	13.44676	12.55271	41.3717	1388.74									
60.08324	-2260.36	739.6399	0.516172	27.30151	273.0151	36.20752	0.030897	0.407945	0.360641	12.06532	13.57782	12.64765	40.97473	1388.74									
61.49746	-2261.09	738.9099	0.707109	35.26446	352.6446	36.30769	0.031198	0.408174	0.915297	11.11691	13.61538	12.76966	40.88459	1388.74									
62.91167	-2262.09	737.9099	0.629246	32.18	321.8	36.56121	0.031284	0.408239	0.70146	11.60424	13.71046	12.89415	40.6076	1388.74									
64.32589	-2262.98	737.02	0.636324	32.46958	324.6958	36.75416	0.031503	0.408404	0.721089	11.62823	13.78281												

75.63963	-2270.68	729.3201	0.685875	34.44524	344.4524	38.54667	0.033024	0.409551	0.854531	11.92057	14.455	13.9868	38.63977	1388.74
77.05384	-2271.65	728.3501	0.636497	32.47662	324.7662	38.76961	0.033213	0.409693	0.717504	12.26492	14.5386	14.10375	38.43085	1388.74
78.46806	-2272.55	727.45	0.742493	36.59364	365.9364	38.95573	0.033405	0.409836	1.001568	11.72885	14.6084	14.22163	38.26066	1388.74
79.88228	-2273.6	726.3999	0.65048	33.0432	330.432	39.21429	0.033566	0.409956	0.756081	12.32691	14.70536	14.33921	38.0195	1388.74
81.2965	-2274.52	725.48	0.700031	34.9932	349.932	39.40819	0.033789	0.410122	0.89062	12.10649	14.77807	14.45497	37.84778	1388.74
82.71071	-2275.51	724.49	0.763727	37.36995	373.6995	39.63547	0.033956	0.410247	1.053459	11.81236	14.8633	14.57322	37.64219	1388.74
84.12493	-2276.59	723.4099	0.798944	38.6229	386.229	39.90276	0.034151	0.410393	1.138365	11.69058	14.96354	14.69357	37.40333	1388.74
85.53915	-2277.72	722.28	0.83434	39.83959	398.3959	40.18966	0.034382	0.410564	1.220221	11.57223	15.07112	14.81515	37.15182	1388.74
86.95336	-2278.9	721.1001	0.862818	40.78822	407.8822	40.495	0.034629	0.410748	1.283534	11.49748	15.18562	14.93776	36.88818	1388.74
88.36758	-2280.12	719.8799	1.124184	48.34582	483.4582	40.81376	0.034892	0.410943	1.777664	10.17231	15.30516	15.06828	36.61746	1388.74
89.7818	-2281.71	718.29	0.790039	38.31011	383.1011	41.25178	0.035167	0.411146	1.114893	12.13834	15.46942	15.19506	36.24657	1388.74
90.7818	-2282.5	717.5	0.870117	41.02709	410.2709	41.44397	0.035544	0.411425	1.297639	11.72449	15.54149	15.27887	36.10294	1388.74
91.7818	-2283.37	716.6299	0.579834	30.10661	301.0661	41.66662	0.03571	0.411547	0.54594	13.51707	15.62498	15.3581	35.92068	1388.74
92.7818	-2283.95	716.05	0.572795	29.80388	298.0388	41.7598	0.035902	0.411688	0.524242	13.58861	15.65992	15.43189	35.85284	1388.74
94.19602	-2284.76	715.24	1.081889	47.25251	472.5251	41.88605	0.035982	0.411747	1.705767	10.6616	15.70727	15.54852	35.7499	1388.74
95.61024	-2286.29	713.71	0.735415	36.33133	363.3133	42.29559	0.036091	0.411827	0.977565	12.77757	15.86085	15.66919	35.41061	1388.74
97.02446	-2287.33	712.6699	0.619873	31.79366	317.9366	42.52803	0.036444	0.412086	0.662282	13.55503	15.94801	15.77661	35.23924	1388.74
98.02446	-2287.95	712.05	0.388944	21.25326	212.5326	42.63877	0.036644	0.412233	-0.081394	14.90205	15.98954	15.84689	35.16024	1388.74
99.43867	-2288.5	711.5	0.594029	30.71155	307.1155	42.61957	0.036739	0.412303	0.585896	13.74081	15.98234	15.94564	35.18204	1388.74
100.8529	-2289.34	710.6599	0.692948	34.71993	347.1993	42.75782	0.036723	0.412291	0.865067	13.17923	16.03418	16.0507	35.06725	1388.74
102.2671	-2290.32	709.6799	0.700026	34.99301	349.9301	42.96129	0.036842	0.412378	0.883677	13.19806	16.11048	16.15793	34.90855	1388.74
103.6813	-2291.31	708.6899	0.72998	36.12871	361.2871	43.16815	0.037017	0.412506	0.961583	13.075	16.18805	16.26559	34.75208	1388.74
104.6813	-2292.04	707.96	0.452474	24.34549	243.4549	43.32655	0.037195	0.412637	0.136104	14.80267	16.24746	16.33733	34.63595	1388.74
106.0955	-2292.68	707.3201	0.608185	31.30734	313.0734	43.35814	0.037332	0.412736	0.626212	13.89182	16.2593	16.4359	34.61907	1388.74
107.5098	-2293.54	706.46	0.671714	33.8898	338.898	43.50339	0.037359	0.412756	0.806115	13.54225	16.31377	16.539	34.50514	1388.74
108.924	-2294.49	705.51	0.530328	27.93824	279.3824	43.68973	0.037484	0.412847	0.389207	14.47419	16.38365	16.63996	34.36556	1388.74
110.3382	-2295.24	704.76	0.780029	37.95527	379.5527	43.77932	0.037645	0.412964	1.085353	12.94485	16.41725	16.74311	34.30495	1388.74
111.3382	-2296.02	703.98	0.669922	33.819	338.19	43.95562	0.037722	0.41302	0.800377	13.69437	16.48336	16.81819	34.17201	1388.74
112.3382	-2296.69	703.3101	0.77002	37.59697	375.9697	44.0851	0.037874	0.413131	1.06039	13.0986	16.53191	16.89284	34.08076	1388.74
113.3382	-2297.46	702.54	0.52325	27.6208	276.208	44.25615	0.037985	0.413212	0.365615	14.70469	16.59606	16.96477	33.9557	1388.74
114.7524	-2298.2	701.8	0.601107	31.01037	310.1037	44.33923	0.038133	0.413319	0.603556	14.25075	16.62721	17.06245	33.90085	1388.74
116.1666	-2299.05	700.95	0.685875	34.44524	344.4524	44.47612	0.038204	0.413371	0.842718	13.75425	16.67855	17.16345	33.80075	1388.74
117.5809	-2300.02	699.98	1.004032	45.11527	451.1527	44.66667	0.038322	0.413456	1.562846	11.82019	16.75	17.27405	33.66352	1388.74
118.9951	-2301.44	698.5601	0.176776	10.02494	100.2494	45.01855	0.038487	0.413575	-0.87444	16.6242	16.88196	17.37348	33.41001	1388.74
120.4093	-2301.69	698.3101	0.350098	19.29503	192.9503	44.82321	0.03879	0.413795	-0.225447	15.86455	16.8087	17.46054	33.57341	1388.74
121.4093	-2302.04	697.96	0.47998	25.6401	256.401	44.78744	0.038621	0.413673	0.224168	15.14146	16.79529	17.52505	33.59034	1388.74
122.4093	-2302.52	697.48	0.649902	33.01993	330.1993	44.82303	0.038591	0.413651	0.742847	14.09372	16.80864	17.59346	33.56186	1388.74
123.4093	-2303.17	696.8301	0.499995	26.56482	265.6482	44.94088	0.038621	0.413673	0.289534	15.07366	16.85283	17.66203	33.47564	1388.74
124.4093	-2303.67	696.3301	0.380131	20.81334	208.1334	44.9867	0.038723	0.413746	-0.117832	15.76913	16.87001	17.72687	33.44749	1388.74
125.4093	-2304.05	695.95	0.310059	17.2265	172.265	44.96807	0.038762	0.413775	-0.371489	16.10658	16.86303	17.78962	33.46365	1388.74
126.4093	-2304.36	695.6399	0.254462	14.27663	142.7663	44.90933	0.038746	0.413763	-0.578929	16.32089	16.841	17.85129	33.50648	1388.74
127.8235	-2304.72	695.28	0.636501	32.47681	324.7681	44.77969	0.038696	0.413727	0.704755	14.1662	16.79238	17.94407	33.60051	1388.74
129.2377	-2305.62	694.3799	0.417084	22.64021	226.4021	44.93796	0.038584	0.413646	0.011898	15.55314	16.85173	18.03924	33.47563	1388.74
130.6519	-2306.21	693.79	1.050049	46.39851	463.9851	44.94062	0.03872	0.413744	1.645575	11.62229	16.85273	18.14332	33.48163	1388.74
131.6519	-2307.26	692.74	0.494941	26.33272	263.3272	45.20101	0.038723	0.413746	0.272887	15.19149	16.95038	18.21791	33.28889	1388.74
133.0661	-2307.96	692.04	0.830078	39.69532	396.9532	45.26172	0.038947	0.413908	1.200835	13.06002	16.97315	18.31802	33.25726	1388.74
134.0661	-2308.79	691.21	0.550043	28.8127	288.127	45.45038	0.038999	0.413946	0.447182	14.93386	17.04389	18.38947	33.12223	1388.74
135.0661	-2309.34	690.6599	0.381694	20.89154	208.9154	45.52035	0.039162	0.414063	-0.113406	15.94789	17.07013	18.45423	33.08069	1388.74
136.4804	-2309.88	690.1201	0.90512	42.14886	421.4886	45.4953	0.039222	0.414107	1.365146	12.64889	17.06074	18.55314	33.10238	1388.74
137.8946	-2311.16	688.8401	0.876808	41.24453	412.4453	45.79706	0.039201	0.414091	1.304692	12.9131	17.1739	18.66379	32.88303	1388.74
139.3088	-2312.4	687.6001	0.290039	16.17422	161.7422	46.08356	0.039461	0.414278	-0.447457	16.59732	17.28133	18.75963	32.69338	1388.74
140.3088	-2312.69	687.3101	0.22998	12.9517	129.517	46.01451	0.039707	0.414456	-0.674184	16.81645	17.25544	18.81949	32.75647	1388.74
141.3088	-2312.92	687.0801	0.52002	27.47531	274.7531	45.91032	0.039648	0.414413	0.351356	15.27453	17.21637	18.88181	32.82742	1388.74
142.3088	-2313.44	686.5601	0.570068	29.6861	296.861	45.96474	0.039558	0.414349	0.507307	14.97448	17.23678	18.94793	32.78344	1388.74
143.3088	-2314.01	685.99	0.445396	24.00798	240.0798	46.04323	0.039605	0.414382	0.106238	15.77249	17.26621	19.01297	32.73023	1388.74
144.723	-2314.64	685.3601	0.590082	30.54409	305.4409	46.06643	0.039673	0.414431	0.56729	14.87782	17.27491	19.10526	32.71758	1388.74
145.723	-2315.23	684.77	0.610107	31.38768	313.8768	46.154	0.039693	0.414445	0.62636	14.77498	17.30775	19.1727	32.65663	1388.74
146.723	-2315.84	684.1599	0.43124	23.32762	233.2762	46.25051	0.039768	0.4145	0.057643	15.92617	17.34394	19.23785	32.59275	1388.74
148.1372	-2316.45	683.55	0.72998	36.12871	361.2871	46.26304	0.039851	0.414559	0.955365	14.0124	17.34864	19.33232	32.58862	1388.74
149.1372	-2317.18	682.8201	0.370117	20.31038	203.1038	46.40989	0.039862	0.414567	-0.156323	16.32165	17.40371	19.39825	32.48611	1388.74



150.1372	-2317.55	682.45	0.494941	26.33272	263.3272	46.38594	0.039989	0.414658	0.269823	15.58973	17.39473	19.46093	32.51	1388.74
151.5514	-2318.25	681.75	0.579877	30.10847	301.0847	46.44444	0.039968	0.414643	0.536027	15.06676	17.41666	19.55319	32.4679	1388.74
152.9656	-2319.07	680.9299	0.579705	30.10107	301.0107	46.5605	0.040018	0.414679	0.535389	15.10554	17.46019	19.64693	32.38978	1388.74
154.3798	-2319.89	680.1101	0.586955	30.41103	304.1103	46.67614	0.040118	0.414751	0.55692	15.09535	17.50355	19.74058	32.31513	1388.74
155.794	-2320.72	679.28	0.650485	33.04338	330.4338	46.79613	0.040218	0.414822	0.740797	14.71021	17.54855	19.83548	32.23781	1388.74
157.2083	-2321.64	678.3601	0.678969	34.1753	341.753	46.95533	0.040321	0.414896	0.819276	14.56771	17.60825	19.93209	32.13425	1388.74
158.6225	-2322.6	677.3999	0.586783	30.40367	304.0367	47.1308	0.040459	0.414994	0.555615	15.24354	17.67405	20.02696	32.02218	1388.74
160.0367	-2323.43	676.5701	0.601111	31.01055	310.1055	47.24935	0.04061	0.415103	0.597836	15.18604	17.71851	20.11991	31.95016	1388.74
161.4509	-2324.28	675.72	0.600939	31.00329	310.0329	47.3766	0.040712	0.415176	0.597092	15.2281	17.76622	20.21291	31.86994	1388.74
162.8651	-2325.13	674.8701	0.615267	31.60263	316.0263	47.50334	0.040822	0.415254	0.63882	15.17203	17.81375	20.30595	31.7909	1388.74
164.2793	-2326	674	0.622173	31.88874	318.8874	47.63858	0.040931	0.415332	0.658589	15.16828	17.86447	20.39917	31.7066	1388.74
165.6935	-2326.88	673.1201	0.650657	33.05033	330.5033	47.77761	0.041047	0.415415	0.739419	15.01755	17.9166	20.49287	31.62066	1388.74
167.1077	-2327.8	672.2	0.608017	31.3003	313.003	47.93325	0.041167	0.4155	0.616864	15.35882	17.97497	20.58599	31.52446	1388.74
168.5219	-2328.66	671.3401	0.636501	32.47681	324.7681	48.06267	0.041301	0.415596	0.698843	15.20479	18.0235	20.67853	31.4468	1388.74
169.9361	-2329.56	670.4399	0.657563	33.32742	333.2742	48.2089	0.041413	0.415675	0.757905	15.10525	18.07834	20.77184	31.35739	1388.74
171.3504	-2330.49	669.51	0.565725	29.49794	294.9794	48.367	0.041539	0.415764	0.489458	15.78651	18.13763	20.8634	31.26163	1388.74
172.7646	-2331.29	668.71	0.550043	28.8127	288.127	48.46877	0.041675	0.415861	0.440889	15.92562	18.17579	20.95259	31.20324	1388.74
173.7646	-2331.84	668.1599	0.26154	14.65686	146.5686	48.53345	0.041763	0.415923	-0.560097	17.60779	18.20005	21.01224	31.16632	1388.74
175.1788	-2332.21	667.79	0.9759	44.30119	443.0119	48.4174	0.041818	0.415963	1.502755	12.99423	18.15652	21.10466	31.24399	1388.74
176.593	-2333.59	666.4099	0.600939	31.00329	310.0329	48.72953	0.041718	0.415892	0.59479	15.66297	18.27357	21.20336	31.03857	1388.74
178.0072	-2334.44	665.5601	0.530029	27.9249	279.249	48.85228	0.041987	0.416083	0.377546	16.18651	18.3196	21.29217	30.97478	1388.74
179.0072	-2334.97	665.03	0.431412	23.33596	233.3596	48.90724	0.042093	0.416157	0.052526	16.83995	18.34021	21.35272	30.94554	1388.74
180.4214	-2335.58	664.4199	0.699951	34.99014	349.9014	48.91804	0.04214	0.416191	0.871765	15.02855	18.34426	21.44148	30.9412	1388.74
181.4214	-2336.28	663.72	0.36771	20.18899	201.8899	49.04476	0.04215	0.416198	-0.170656	17.26178	18.39179	21.50341	30.86174	1388.74
182.8356	-2336.8	663.2	0.657563	33.32742	333.2742	49.00977	0.042259	0.416275	0.756025	15.35619	18.37866	21.59013	30.8895	1388.74
184.2498	-2337.73	662.27	0.530331	27.93841	279.3841	49.1649	0.042229	0.416254	0.377934	16.28806	18.43684	21.67951	30.79046	1388.74
185.664	-2338.48	661.52	0.537409	28.254	282.54	49.24221	0.042362	0.416348	0.399892	16.26577	18.46583	21.76639	30.7491	1388.74
187.0782	-2339.24	660.76	0.480785	25.67757	256.7757	49.32388	0.042429	0.416395	0.217619	16.66987	18.49645	21.85227	30.70166	1388.74
188.4925	-2339.92	660.0801	0.558643	29.18962	291.8962	49.36825	0.042499	0.416445	0.465528	16.16212	18.51309	21.93842	30.67773	1388.74
189.9067	-2340.71	659.29	0.544487	28.56774	285.6774	49.46308	0.042538	0.416472	0.421613	16.2904	18.54865	22.02558	30.6209	1388.74
191.3209	-2341.48	658.52	0.558643	29.18962	291.8962	49.5488	0.042619	0.416529	0.465251	16.22123	18.5808	22.11257	30.57215	1388.74
192.7351	-2342.27	657.73	0.487863	26.00606	260.0606	49.64323	0.042693	0.416582	0.240242	16.73128	18.61621	22.19841	30.51782	1388.74
194.1493	-2342.96	657.04	0.452646	24.3537	243.537	49.6919	0.042775	0.416639	0.123012	16.97631	18.63446	22.28232	30.49213	1388.74
195.5635	-2343.6	656.3999	0.551397	28.8722	288.722	49.71679	0.042816	0.416668	0.44243	16.32635	18.6438	22.36725	30.47902	1388.74
196.9777	-2344.38	655.6201	0.572799	29.80405	298.0405	49.80628	0.042838	0.416684	0.507999	16.20691	18.67736	22.45419	30.42536	1388.74
198.3919	-2345.19	654.8101	0.579877	30.10847	301.0847	49.90886	0.042915	0.416738	0.529231	16.19063	18.71582	22.54149	30.36679	1388.74
199.8061	-2346.01	653.99	0.586955	30.41103	304.1103	50.0155	0.043003	0.4168	0.550292	16.17532	18.75581	22.62888	30.30657	1388.74
201.2203	-2346.84	653.1599	0.544487	28.56774	285.6774	50.12614	0.043095	0.416865	0.420318	16.50878	18.7973	22.71542	30.24436	1388.74
202.6345	-2347.61	652.3899	0.480785	25.67757	256.7757	50.21047	0.043191	0.416932	0.215804	16.96951	18.82893	22.7999	30.19842	1388.74
204.0488	-2348.29	651.71	0.502019	26.65754	266.5754	50.25369	0.043263	0.416983	0.284991	16.84197	18.84514	22.88355	30.17614	1388.74
205.463	-2349	651	0.579877	30.10847	301.0847	50.31073	0.043301	0.417009	0.528351	16.321	18.86652	22.96884	30.14383	1388.74
206.8772	-2349.82	650.1799	0.47998	25.6401	256.401	50.41634	0.04335	0.417044	0.212773	17.04444	18.90613	23.05361	30.08317	1388.74
207.8772	-2350.3	649.7	0.862652	40.78275	407.8275	50.44635	0.043441	0.417108	1.265109	14.32408	18.91738	23.11737	30.06988	1388.74
209.2914	-2351.52	648.48	0.369869	20.29789	202.9789	50.69855	0.043467	0.417126	-0.166207	17.83135	19.01196	23.20533	29.9216	1388.74
210.2914	-2351.89	648.1101	0.339571	18.75599	187.5599	50.67524	0.043684	0.417278	-0.275928	17.99408	19.00321	23.26116	29.94631	1388.74
211.7056	-2352.37	647.6299	0.438321	23.66883	236.6883	50.62048	0.043664	0.417264	0.07232	17.38588	18.98268	23.3411	29.97769	1388.74
213.1198	-2352.99	647.01	0.516175	27.30167	273.0167	50.63485	0.043617	0.417231	0.329709	16.87287	18.98807	23.42366	29.96681	1388.74
214.534	-2353.72	646.28	0.480785	25.67757	256.7757	50.70033	0.043629	0.41724	0.214764	17.13506	19.01262	23.50683	29.92873	1388.74
215.9482	-2354.4	645.6001	0.495114	26.34066	263.4066	50.74293	0.043685	0.417279	0.261575	17.05289	19.0286	23.58956	29.90643	1388.74
217.3624	-2355.1	644.8999	0.46663	25.01514	250.1514	50.79477	0.043722	0.417305	0.167617	17.26126	19.04804	23.67199	29.87775	1388.74
218.7766	-2355.76	644.24	0.657563	33.32742	333.2742	50.82796	0.043767	0.417336	0.752699	15.92588	19.06048	23.75722	29.86049	1388.74
220.1909	-2356.69	643.3101	0.480958	25.68561	256.8561	50.97688	0.043795	0.417356	0.214939	17.22737	19.11633	23.84253	29.77468	1388.74
221.6051	-2357.37	642.6299	0.537237	28.24633	282.4633	51.01929	0.043924	0.417446	0.395723	16.85399	19.13223	23.92552	29.75634	1388.74
223.0193	-2358.13	641.8701	0.523426	27.62873	276.2873	51.09729	0.04396	0.417472	0.352022	16.97652	19.16148	24.00913	29.71273	1388.74
224.4335	-2358.87	641.1299	0.600939	31.00329	310.0329	51.16657	0.044027	0.417519	0.589561	16.4463	19.18746	24.09375	29.67584	1388.74
225.8477	-2359.72	640.28	0.544487	28.56774	285.6774	51.28245	0.044087	0.41756	0.418027	16.8896	19.23092	24.1786	29.61175	1388.74
227.2619	-2360.49	639.51	0.509097	26.98053	269.8053	51.36442	0.044187	0.41763	0.30567	17.16523	19.26166	24.26165	29.56943	1388.74
228.6761	-2361.21	638.79	0.77002	37.59697	375.9697	51.42427	0.044258	0.41768	1.046875	15.27921	19.2841	24.34883	29.53851	1388.74
229.6761	-2361.98	638.02	0.346476	19.10999	191.0999	51.56903	0.044309	0.417716	-0.252425	18.27269	19.33839	24.40844	29.45813	1388.74
231.0903	-2362.47	637.53	0.381866	20.90017	209.0017	51.51981	0.044434	0.417803	-0.125895	18.04874	19.31993	24.48631	29.49242	1388.74

232.5045	-2363.01	636.99	0.742499	36.59383	365.9383	51.49523	0.044391	0.417773	0.977685	15.50422	19.31071	24.57061	29.5044	1388.74
233.9187	-2364.06	635.9399	0.579705	30.10107	301.0107	51.68617	0.04437	0.417758	0.5254	16.76845	19.38231	24.65825	29.39437	1388.74
235.333	-2364.88	635.1201	0.640137	32.6248	326.248	51.7884	0.044535	0.417873	0.70198	16.35644	19.42065	24.74364	29.34441	1388.74
236.333	-2365.52	634.48	0.560053	29.25114	292.5114	51.88478	0.044623	0.417934	0.464987	16.97579	19.45679	24.80364	29.2942	1388.74
237.333	-2366.08	633.9199	0.431243	23.32776	233.2776	51.94851	0.044706	0.417992	0.045627	17.88824	19.48069	24.86101	29.26231	1388.74
238.7472	-2366.69	633.3101	0.346476	19.10999	191.0999	51.95735	0.044761	0.418031	-0.253541	18.41028	19.48401	24.93893	29.26001	1388.74
240.1614	-2367.18	632.8201	0.657735	33.33433	333.3433	51.90827	0.044768	0.418036	0.750989	16.26309	19.4656	25.0205	29.28805	1388.74
241.5756	-2368.11	631.8899	0.829826	39.68676	396.8676	52.05377	0.044726	0.418006	1.188429	15.02169	19.52016	25.11091	29.20413	1388.74
242.5756	-2368.94	631.0601	0.390137	21.31258	213.1258	52.21612	0.044852	0.418094	-0.097669	18.24193	19.58105	25.17103	29.1194	1388.74
243.5756	-2369.33	630.6699	0.280029	15.6438	156.438	52.20282	0.044991	0.418191	-0.498914	18.8509	19.57606	25.22495	29.1336	1388.74
244.5756	-2369.61	630.3899	0.789795	38.3015	383.015	52.13486	0.04498	0.418183	1.093598	15.34251	19.55057	25.28344	29.17102	1388.74
245.5756	-2370.4	629.6001	0.430176	23.2762	232.762	52.28402	0.044921	0.418142	0.041453	18.01075	19.60651	25.34341	29.08497	1388.74
246.5756	-2370.83	629.1699	0.247384	13.89511	138.9511	52.28966	0.04505	0.418232	-0.621929	19.03482	19.60862	25.3974	29.08805	1388.74
247.9898	-2371.18	628.8201	0.770012	37.5967	375.967	52.17005	0.045055	0.418235	1.045206	15.50086	19.56377	25.47929	29.15497	1388.74
248.9898	-2371.95	628.05	0.219244	12.36607	123.6607	52.31252	0.044952	0.418163	-0.728643	19.16206	19.61719	25.53699	29.07059	1388.74
250.404	-2372.26	627.74	0.480785	25.67757	256.7757	52.17244	0.045074	0.418249	0.211354	17.63259	19.56467	25.61386	29.15459	1388.74
251.8182	-2372.94	627.0601	0.445568	24.01623	240.1623	52.21318	0.044954	0.418165	0.093866	17.88491	19.57994	25.6935	29.126	1388.74
253.2325	-2373.57	626.4299	0.452474	24.34549	243.4549	52.23126	0.044989	0.418189	0.117133	17.845	19.58672	25.77266	29.11761	1388.74
254.6467	-2374.21	625.79	0.487863	26.00606	260.0606	52.25381	0.045004	0.4182	0.234787	17.61112	19.59518	25.85243	29.1058	1388.74
256.0609	-2374.9	625.1001	0.551565	28.87961	288.7961	52.299	0.045024	0.418214	0.437879	17.17309	19.61213	25.93375	29.08159	1388.74
257.4751	-2375.68	624.3201	0.560064	29.25163	292.5163	52.3832	0.045063	0.418241	0.464019	17.13878	19.6437	26.01618	29.03673	1388.74
258.4751	-2376.24	623.76	0.54005	28.37126	283.7126	52.44619	0.045135	0.418291	0.401752	17.30502	19.66732	26.07424	29.00535	1388.74
259.4751	-2376.78	623.22	0.540044	28.37102	283.7102	52.50066	0.04519	0.418329	0.401611	17.32303	19.68775	26.132	28.97786	1388.74
260.475	-2377.32	622.6799	0.480785	25.67757	256.7757	52.55506	0.045237	0.418361	0.210973	17.7619	19.70815	26.189	28.95013	1388.74
261.8893	-2378	622	0.452474	24.34549	243.4549	52.59543	0.045283	0.418394	0.116434	17.96942	19.72329	26.26816	28.93015	1388.74
263.3035	-2378.64	621.3601	0.502192	26.66544	266.6544	52.61769	0.045318	0.418418	0.28074	17.63302	19.73164	26.34761	28.91958	1388.74
264.7177	-2379.35	620.6499	0.537409	28.254	282.54	52.67135	0.045337	0.418431	0.39301	17.39849	19.75176	26.42835	28.89104	1388.74
266.1319	-2380.11	619.8899	0.544315	28.56011	285.6011	52.74639	0.045384	0.418463	0.414515	17.373	19.7799	26.50969	28.85215	1388.74
267.5461	-2380.88	619.1201	0.586955	30.41103	304.1103	52.82542	0.045448	0.418508	0.544768	17.08406	19.80953	26.59177	28.81207	1388.74
268.9603	-2381.71	618.29	0.558643	29.18962	291.8962	52.92913	0.045516	0.418555	0.458618	17.32788	19.84842	26.67397	28.75886	1388.74
270.3745	-2382.5	617.5	0.473707	25.34727	253.4727	53.01627	0.045606	0.418617	0.1867	17.96714	19.8811	26.7541	28.71584	1388.74
271.7887	-2383.17	616.8301	0.56007	29.25187	292.5187	53.05168	0.045681	0.418669	0.462634	17.35745	19.89438	26.83417	28.70024	1388.74
272.7887	-2383.73	616.27	0.487863	26.00606	260.0606	53.11369	0.045711	0.41869	0.233134	17.90093	19.91764	26.8909	28.66817	1388.74
274.2029	-2384.42	615.5801	0.520025	27.47555	274.7555	53.15784	0.045765	0.418727	0.337019	17.68577	19.93419	26.97038	28.6469	1388.74
275.2029	-2384.94	615.0601	0.479985	25.64032	256.4032	53.20292	0.045803	0.418754	0.207007	17.98648	19.95109	27.02644	28.62442	1388.74
276.2029	-2385.42	614.5801	0.247557	13.90443	139.0443	53.23059	0.045842	0.418781	-0.623274	19.37656	19.96147	27.07997	28.61138	1388.74
277.6171	-2385.77	614.23	0.381866	20.90017	209.0017	53.11284	0.045866	0.418797	-0.129379	18.60682	19.91731	27.15443	28.67594	1388.74
279.0313	-2386.31	613.6899	0.800065	38.66207	386.6207	53.08834	0.045764	0.418727	1.11662	15.54514	19.90813	27.23725	28.68437	1388.74
280.0313	-2387.11	612.8899	0.346476	19.10999	191.0999	53.23791	0.045743	0.418712	-0.255957	18.86402	19.96421	27.29538	28.60278	1388.74
281.4455	-2387.6	612.3999	0.55982	29.24098	292.4098	53.18955	0.045872	0.418802	0.461434	17.40441	19.94608	27.37336	28.63488	1388.74
282.4455	-2388.16	611.8401	0.479985	25.64032	256.4032	53.25125	0.04583	0.418773	0.206943	18.00281	19.96922	27.42985	28.59974	1388.74
283.4455	-2388.64	611.3601	0.297103	16.54684	165.4684	53.27888	0.045883	0.418809	-0.437499	19.15217	19.97958	27.48367	28.58741	1388.74
284.8597	-2389.06	610.9399	0.537409	28.254	282.54	53.1963	0.045907	0.418826	0.391707	17.57189	19.94861	27.56069	28.63292	1388.74
286.2739	-2389.82	610.1799	0.40992	22.28972	222.8972	53.27035	0.045836	0.418777	-0.03073	18.4837	19.97638	27.63914	28.58975	1388.74
287.2739	-2390.23	609.77	0.523253	27.62097	276.2097	53.26625	0.0459	0.418821	0.346991	17.69839	19.97484	27.69441	28.59497	1388.74
288.6881	-2390.97	609.03	0.558643	29.18962	291.8962	53.33176	0.045896	0.418818	0.457758	17.45969	19.99941	27.77486	28.55968	1388.74
290.1023	-2391.76	608.24	0.494941	26.33272	263.3272	53.41808	0.045953	0.418857	0.255709	17.95315	20.03178	27.85473	28.51618	1388.74
291.5165	-2392.46	607.54	0.509097	26.98053	269.8053	53.46622	0.046027	0.418909	0.301397	17.86762	20.04983	27.93369	28.494	1388.74
292.9307	-2393.18	606.8201	0.509097	26.98053	269.8053	53.52291	0.046069	0.418937	0.301301	17.88657	20.07109	28.0128	28.46577	1388.74
294.3449	-2393.9	606.1001	0.488036	26.01405	260.1405	53.57952	0.046117	0.418971	0.232754	18.0567	20.09232	28.09149	28.43798	1388.74
295.7591	-2394.59	605.4099	0.502019	26.65754	266.5754	53.62321	0.046166	0.419005	0.278214	17.97123	20.1087	28.17	28.4171	1388.74
297.1734	-2395.3	604.7	0.502019	26.65754	266.5754	53.67539	0.046204	0.419031	0.278127	17.98872	20.12827	28.24865	28.39124	1388.74
298.5876	-2396.01	603.99	0.523253	27.62097	276.2097	53.7275	0.046249	0.419062	0.34619	17.85164	20.14781	28.32757	28.3658	1388.74
300.0018	-2396.75	603.25	0.502019	26.65754	266.5754	53.79229	0.046294	0.419093	0.277919	18.0279	20.17211	28.4064	28.33372	1388.74
301.416	-2397.46	602.54	0.572799	29.80405	298.0405	53.84425	0.04635	0.419131	0.500034	17.52086	20.19159	28.48596	28.30898	1388.74
302.8302	-2398.27	601.73	0.601111	31.01055	310.1055	53.93764	0.046394	0.419162	0.584788	17.33568	20.22662	28.56711	28.26205	1388.74
304.2444	-2399.12	600.8799	0.480785	25.67757	256.7757	54.04668	0.046475	0.419218	0.208079	18.26602	20.2675	28.64656	28.20876	1388.74
305.6586	-2399.8	600.2	0.473707	25.34727	253.4727	54.0854	0.046569	0.419282	0.184446	18.32947	20.28202	28.72384	28.19292	1388.74
307.0728	-2400.47	599.53	0.494941	26.33272	263.3272	54.11969	0.046602	0.419305	0.254203	18.18895	20.29488	28.8013	28.1766	1388.74
308.487	-2401.17	598.8301	0.523253	27.62097	276.2097	54.16693	0.046632	0.419326	0.345313	17.99765	20.3126	28.87946	28.15339	1388.74

309.9012	-2401.91	598.0901	0.601111	31.01055	310.1055	54.23104	0.046672	0.419354	0.584173	17.42997	20.33664	28.95929	28.12199	1388.74
311.3155	-2402.76	597.24	0.551565	28.87961	288.7961	54.33937	0.046728	0.419392	0.43401	17.84307	20.37726	29.03948	28.06847	1388.74
312.7297	-2403.54	596.46	0.494941	26.33272	263.3272	54.41969	0.046821	0.419456	0.253697	18.28978	20.40738	29.11776	28.03133	1388.74
314.1439	-2404.24	595.76	0.473707	25.34727	253.4727	54.46657	0.04689	0.419504	0.183697	18.45865	20.42496	29.19473	28.01038	1388.74
315.5581	-2404.91	595.0901	0.459724	24.68938	246.8938	54.50049	0.046931	0.419531	0.136945	18.56938	20.43768	29.27111	27.9948	1388.74
316.9723	-2405.56	594.4399	0.558643	29.18962	291.8962	54.52576	0.04696	0.419551	0.455358	17.85058	20.44716	29.34877	27.98317	1388.74
318.3865	-2406.35	593.6499	0.565553	29.49045	294.9045	54.60974	0.046982	0.419566	0.47652	17.82539	20.47865	29.42805	27.94113	1388.74
319.8007	-2407.15	592.8501	0.594033	30.71172	307.1172	54.6975	0.047054	0.419616	0.562331	17.63477	20.51156	29.50782	27.8996	1388.74
321.2149	-2407.99	592.01	0.565721	29.49777	294.9777	54.80089	0.047129	0.419668	0.476705	17.88649	20.55033	29.58744	27.85041	1388.74
322.6291	-2408.79	591.21	0.770638	37.61921	376.1921	54.88837	0.047219	0.419729	1.042311	16.3036	20.58314	29.67017	27.81007	1388.74
324.0433	-2409.88	590.1201	0.240237	13.50856	135.0856	55.07934	0.047294	0.419781	-0.654663	20.08334	20.65475	29.7479	27.71706	1388.74
325.0433	-2410.12	589.8799	0.318164	17.64921	176.4921	54.99482	0.047458	0.419893	-0.363528	19.65234	20.62306	29.79823	27.76712	1388.74
326.4575	-2410.57	589.4299	0.537409	28.254	282.54	54.92834	0.047386	0.419844	0.388345	18.14402	20.59813	29.87307	27.79742	1388.74
327.8717	-2411.33	588.6699	0.664641	33.60963	336.0963	54.99944	0.047328	0.419804	0.76465	17.17691	20.62479	29.95314	27.75889	1388.74
329.286	-2412.27	587.73	0.622173	31.88874	318.8874	55.13926	0.04739	0.419846	0.644214	17.55652	20.67722	30.03458	27.69127	1388.74
330.7002	-2413.15	586.8501	0.660163	33.43131	334.3131	55.25675	0.04751	0.419929	0.751825	17.29288	20.72128	30.11574	27.63782	1388.74
331.7002	-2413.81	586.1899	0.159915	9.085546	90.85546	55.35351	0.047611	0.419998	-0.963074	20.49713	20.75756	30.16866	27.59406	1388.74
332.7001	-2413.97	586.03	0.212167	11.97865	119.7865	55.22979	0.047695	0.420055	-0.762605	20.26018	20.71117	30.21773	27.65963	1388.74
334.1143	-2414.27	585.73	0.714187	35.53392	355.3392	55.09093	0.047588	0.419982	0.897807	16.81179	20.6591	30.29403	27.72453	1388.74
335.5286	-2415.28	584.72	0.479985	25.64032	256.4032	55.25482	0.047468	0.4199	0.203131	18.68017	20.72056	30.37372	27.63691	1388.74
336.5285	-2415.76	584.24	0.4031	21.95437	219.5437	55.28096	0.04761	0.419997	-0.058768	19.22703	20.73036	30.42648	27.6302	1388.74
337.9428	-2416.33	583.6699	0.540044	28.37102	283.7102	55.27027	0.047632	0.420012	0.396056	18.23689	20.72635	30.50198	27.63656	1388.74
338.9427	-2416.87	583.1299	0.480785	25.67757	256.7757	55.32122	0.047623	0.420006	0.205415	18.69678	20.74546	30.55613	27.61069	1388.74
340.357	-2417.55	582.45	0.43124	23.32762	233.2762	55.35856	0.047667	0.420036	0.038579	19.06249	20.75946	30.63103	27.59404	1388.74
341.7712	-2418.16	581.8401	0.229985	12.95195	129.5195	55.36557	0.047699	0.420058	-0.69464	20.23387	20.76209	30.70301	27.59199	1388.74
342.7711	-2418.39	581.6101	0.330081	18.2671	182.671	55.27636	0.047705	0.420062	-0.320424	19.68403	20.72863	30.75311	27.63679	1388.74
343.7711	-2418.72	581.28	0.390141	21.31278	213.1278	55.23513	0.047628	0.42001	-0.104349	19.29661	20.71318	30.80442	27.65396	1388.74
344.7711	-2419.11	580.8899	0.381694	20.89154	208.9154	55.2217	0.047593	0.419985	-0.134154	19.34673	20.70814	30.85617	27.65908	1388.74
346.1853	-2419.65	580.3501	0.830095	39.69589	396.9589	55.19727	0.047581	0.419977	1.183361	15.92673	20.69898	30.93636	27.6708	1388.74
347.1853	-2420.48	579.52	0.250003	14.03638	140.3638	55.34972	0.04756	0.419963	-0.618322	20.13641	20.75615	30.99182	27.59364	1388.74
348.1853	-2420.73	579.27	0.424334	22.99317	229.9317	55.27028	0.047691	0.420053	0.014779	19.07968	20.72636	31.04281	27.63922	1388.74
349.5995	-2421.33	578.6699	0.26154	14.65685	146.5685	55.27297	0.047623	0.420006	-0.574909	20.05287	20.72736	31.11509	27.63479	1388.74
351.0137	-2421.7	578.3	0.643579	32.76449	327.6449	55.16837	0.047625	0.420008	0.705007	17.3967	20.68814	31.19062	27.68729	1388.74
352.4279	-2422.61	577.3899	0.516175	27.30167	273.0167	55.29688	0.047535	0.419946	0.320662	18.42638	20.73633	31.26957	27.61889	1388.74
353.8421	-2423.34	576.6599	0.59986	30.95784	309.5784	55.3552	0.047646	0.420022	0.578322	17.80111	20.7582	31.34765	27.59477	1388.74
354.8421	-2423.94	576.0601	0.61012	31.38819	313.8819	55.42949	0.047696	0.420056	0.608435	17.74419	20.78606	31.40391	27.56004	1388.74
355.8421	-2424.55	575.45	0.318164	17.64921	176.4921	55.50755	0.04776	0.4201	-0.364266	19.83557	20.81533	31.45713	27.52415	1388.74
357.2563	-2425	575	0.480785	25.67757	256.7757	55.44155	0.047827	0.420146	0.204942	18.73744	20.79058	31.53046	27.55993	1388.74
358.6705	-2425.68	574.3201	0.43849	23.67698	236.7698	55.47873	0.047771	0.420107	0.063134	19.05328	20.80452	31.6053	27.53892	1388.74
360.0847	-2426.3	573.7	0.480785	25.67757	256.7757	55.49017	0.047803	0.420129	0.205	18.75388	20.80881	31.68011	27.53467	1388.74
361.499	-2426.98	573.02	0.459552	24.68122	246.8122	55.52733	0.047812	0.420136	0.134307	18.92049	20.82275	31.75519	27.51669	1388.74
362.9132	-2427.63	572.3701	0.530035	27.92514	279.2514	55.55165	0.047844	0.420157	0.364061	18.40621	20.83187	31.83096	27.50607	1388.74
363.9132	-2428.16	571.8401	0.551565	28.87961	288.7961	55.59825	0.047865	0.420172	0.431449	18.25645	20.84934	31.88552	27.48395	1388.74
365.3274	-2428.94	571.0601	0.445568	24.01623	240.1623	55.67629	0.047906	0.420199	0.086898	19.07115	20.87861	31.96129	27.44722	1388.74
366.7416	-2429.57	570.4299	0.502019	26.65754	266.5754	55.69199	0.047973	0.420245	0.274058	18.66456	20.8845	32.03624	27.44248	1388.74
368.1558	-2430.28	569.72	0.480785	25.67757	256.7757	55.74148	0.047986	0.420254	0.204575	18.83881	20.90305	32.11166	27.41872	1388.74
369.57	-2430.96	569.04	0.516175	27.30167	273.0167	55.77839	0.048029	0.420283	0.319537	18.58683	20.91689	32.18723	27.40248	1388.74
370.9842	-2431.69	568.3101	0.516175	27.30167	273.0167	55.836	0.048061	0.420305	0.319465	18.60603	20.9385	32.26328	27.37562	1388.74
372.3984	-2432.42	567.5801	0.544487	28.56774	285.6774	55.89354	0.04811	0.420339	0.408876	18.40824	20.96008	32.3397	27.34964	1388.74
373.8126	-2433.19	566.8101	0.636501	32.47681	324.7681	55.9671	0.04816	0.420373	0.683729	17.70538	20.98766	32.41802	27.31589	1388.74
375.2268	-2434.09	565.9099	0.539806	28.36043	283.6043	56.08996	0.048223	0.420416	0.393975	18.5092	21.03373	32.49612	27.25886	1388.74
376.2268	-2434.63	565.3701	0.212167	11.97865	119.7865	56.13991	0.048329	0.420488	-0.764193	20.59405	21.05247	32.54726	27.23928	1388.74
377.641	-2434.93	565.0701	0.880136	41.35216	413.5216	56.00301	0.048372	0.420518	1.293819	15.76477	21.00113	32.62506	27.30776	1388.74
378.641	-2435.81	564.1899	0.530331	27.93841	279.3841	56.1673	0.048254	0.420437	0.364074	18.60791	21.06274	32.68324	27.22269	1388.74
380.0552	-2436.56	563.4399	0.311086	17.2802	172.802	56.23248	0.048396	0.420534	-0.391902	20.13538	21.08718	32.75624	27.19737	1388.74
381.4694	-2437	563	0.530331	27.93841	279.3841	56.1624	0.048452	0.420572	0.363627	18.60629	21.0609	32.82925	27.23378	1388.74
382.8836	-2437.75	562.25	0.487863	26.00606	260.0606	56.22751	0.048392	0.420531	0.226932	18.95038	21.08532	32.90456	27.19959	1388.74
384.2979	-2438.44	561.5601	0.487863	26.00606	260.0606	56.2681	0.048448	0.420569	0.226803	18.96406	21.10054	32.97916	27.18244	1388.74
385.7121	-2439.13	560.8701	0.466802	25.02327	250.2327	56.30863	0.048483	0.420593	0.15702	19.13373	21.11574	33.0534	27.16441	1388.74
387.1263	-2439.79	560.21	0.558643	29.18962	291.8962	56.33668	0.048518	0.420616	0.451871	18.44344	21.12625	33.12867	27.15242	1388.74

388.5405	-2440.58	559.4199	0.530331	27.93841	279.3841	56.41734	0.048542	0.420633	0.363425	18.69075	21.1565	33.20484	27.11466	1388.74
389.9547	-2441.33	558.6699	0.459552	24.68122	246.8122	56.48212	0.048611	0.42068	0.132451	19.24583	21.1808	33.2794	27.0866	1388.74
391.3689	-2441.98	558.02	0.586955	30.41103	304.1103	56.5057	0.048667	0.420718	0.537621	18.27429	21.18964	33.35478	27.07774	1388.74
392.7831	-2442.81	557.1899	0.466633	25.0153	250.153	56.60139	0.048687	0.420732	0.155982	19.23446	21.22552	33.43019	27.03285	1388.74
394.1973	-2443.47	556.53	0.445568	24.01623	240.1623	56.6291	0.04877	0.420788	0.084881	19.39752	21.23591	33.5034	27.02322	1388.74
395.6115	-2444.1	555.8999	0.473707	25.34727	253.4727	56.64417	0.048794	0.420804	0.179288	19.19663	21.24157	33.57669	27.01707	1388.74
397.0257	-2444.77	555.23	0.46663	25.01514	250.1514	56.676	0.048807	0.420813	0.155695	19.25984	21.2535	33.65024	27.00246	1388.74
398.4399	-2445.43	554.5701	0.494941	26.33272	263.3272	56.70363	0.048834	0.420832	0.249074	19.05738	21.26386	33.72405	26.9905	1388.74
399.8542	-2446.13	553.8701	0.495114	26.34066	263.4066	56.74781	0.048858	0.420848	0.249583	19.07092	21.28043	33.79823	26.97053	1388.74
401.2684	-2446.83	553.1699	0.565549	29.49028	294.9028	56.79204	0.048896	0.420874	0.472241	18.53776	21.29701	33.87344	26.95118	1388.74
402.6826	-2447.63	552.3701	0.579877	30.10847	301.0847	56.87566	0.048934	0.4209	0.51573	18.45069	21.32837	33.94991	26.91321	1388.74
404.0968	-2448.45	551.55	0.445568	24.01623	240.1623	56.96685	0.049006	0.420948	0.084332	19.51322	21.36257	34.02441	26.87325	1388.74
405.511	-2449.08	550.9199	0.449956	24.22563	242.2563	56.98174	0.049085	0.421002	0.099016	19.4864	21.36815	34.09694	26.86963	1388.74
406.511	-2449.53	550.47	0.489995	26.10463	261.0463	56.99409	0.049098	0.42101	0.232304	19.19259	21.37278	34.14864	26.86436	1388.74
407.511	-2450.02	549.98	0.622173	31.88874	318.8874	57.02308	0.049108	0.421018	0.640484	18.15634	21.38365	34.20219	26.85116	1388.74
408.9252	-2450.9	549.1001	0.290025	16.17348	161.7348	57.13603	0.049133	0.421035	-0.471842	20.57803	21.42601	34.27521	26.79916	1388.74
410.3394	-2451.31	548.6899	0.452477	24.34564	243.4564	57.05298	0.049231	0.421101	0.107198	19.49233	21.39487	34.3458	26.84237	1388.74
411.7536	-2451.95	548.05	0.459724	24.68938	246.8938	57.07188	0.049159	0.421052	0.131763	19.44551	21.40195	34.41844	26.83039	1388.74
413.1678	-2452.6	547.3999	0.473707	25.34727	253.4727	57.0951	0.049175	0.421063	0.178411	19.34945	21.41066	34.49134	26.82019	1388.74
414.582	-2453.27	546.73	0.459552	24.68122	246.8122	57.12652	0.049195	0.421077	0.1311	19.4654	21.42245	34.56421	26.8063	1388.74
415.9962	-2453.92	546.0801	0.544487	28.56774	285.6774	57.1496	0.049222	0.421095	0.406386	18.82192	21.4311	34.63809	26.79664	1388.74
417.4104	-2454.69	545.3101	0.537409	28.254	282.54	57.22111	0.049242	0.421108	0.384167	18.90137	21.45792	34.71307	26.764	1388.74
418.8246	-2455.45	544.55	0.558643	29.18962	291.8962	57.28863	0.049304	0.42115	0.450124	18.75509	21.48324	34.78818	26.73511	1388.74
420.2389	-2456.24	543.76	0.615267	31.60263	316.0263	57.36765	0.049362	0.42119	0.619862	18.32257	21.51287	34.86446	26.70078	1388.74
421.6531	-2457.11	542.8899	0.608017	31.3003	313.003	57.47631	0.04943	0.421236	0.598486	18.41662	21.55362	34.94145	26.65322	1388.74
423.0673	-2457.97	542.03	0.615267	31.60263	316.0263	57.58103	0.049524	0.421299	0.619513	18.39072	21.59288	35.01829	26.60875	1388.74
424.4815	-2458.84	541.1599	0.558471	29.18208	291.8208	57.68922	0.049614	0.42136	0.448905	18.88762	21.63346	35.09416	26.56269	1388.74
425.8957	-2459.63	540.3701	0.537409	28.254	282.54	57.76748	0.049707	0.421423	0.383128	19.08185	21.6628	35.16866	26.53067	1388.74
427.3099	-2460.39	539.6101	0.480958	25.68561	256.8561	57.83418	0.049775	0.421469	0.201042	19.54476	21.68782	35.24188	26.50294	1388.74
428.7241	-2461.07	538.9299	0.459552	24.68122	246.8122	57.86914	0.049832	0.421507	0.129633	19.71844	21.70093	35.31392	26.48937	1388.74
430.1383	-2461.72	538.28	0.43849	23.67698	236.7698	57.89166	0.049862	0.421528	0.058255	19.88197	21.70937	35.38534	26.48034	1388.74
431.5525	-2462.34	537.6599	0.572627	29.79661	297.9661	57.90178	0.049882	0.421541	0.491669	18.84258	21.71317	35.45838	26.47653	1388.74
432.9667	-2463.15	536.8501	0.537409	28.254	282.54	57.98718	0.04989	0.421547	0.38272	19.15442	21.74519	35.53282	26.43791	1388.74
434.381	-2463.91	536.0901	0.424334	22.99317	229.9317	58.05355	0.049964	0.421596	0.009452	20.04048	21.77008	35.60498	26.41079	1388.74
435.7952	-2464.51	535.49	0.46663	25.01514	250.1514	58.05519	0.050021	0.421635	0.152902	19.72852	21.7707	35.6761	26.41246	1388.74
437.2094	-2465.17	534.8301	0.47999	25.64054	256.4054	58.08168	0.050023	0.421636	0.19728	19.63581	21.78063	35.74796	26.40048	1388.74
438.2094	-2465.65	534.3501	0.100099	5.71619	57.1619	58.10583	0.050045	0.421651	-1.199826	21.68134	21.78969	35.79636	26.39047	1388.74
439.2093	-2465.75	534.25	0.516175	27.30167	273.0167	57.95899	0.050066	0.421665	0.314933	19.31347	21.73462	35.84515	26.4582	1388.74
440.6236	-2466.48	533.52	0.830086	39.6956	396.956	58.01364	0.04994	0.42158	1.178718	16.73944	21.75511	35.9236	26.42793	1388.74
441.6235	-2467.31	532.6899	0.209963	11.85775	118.5775	58.15812	0.049987	0.421612	-0.776746	21.3439	21.80929	35.97612	26.36427	1388.74
442.6235	-2467.52	532.48	0.381866	20.90017	209.0017	58.06315	0.050111	0.421696	-0.139533	20.34105	21.77368	36.02409	26.41265	1388.74
444.0377	-2468.06	531.9399	0.43124	23.32762	233.2762	58.03898	0.050029	0.42164	0.033054	19.98548	21.76462	36.09423	26.42019	1388.74
445.452	-2468.67	531.3301	0.608194	31.3077	313.077	58.04471	0.050009	0.421626	0.597754	18.59728	21.76676	36.16754	26.4167	1388.74
446.8662	-2469.53	530.47	0.580084	30.11733	301.1733	58.14827	0.050014	0.42163	0.513986	18.86184	21.8056	36.24305	26.36986	1388.74
447.8661	-2470.11	529.8899	0.070607	4.038796	40.38796	58.21113	0.050103	0.42169	-1.31329	21.77496	21.82917	36.29226	26.34514	1388.74
449.2804	-2470.21	529.79	0.660163	33.43131	334.3131	57.98424	0.050157	0.421726	0.746199	18.14646	21.74409	36.36311	26.45052	1388.74
450.2803	-2470.87	529.1299	0.429936	23.26461	232.6461	58.07575	0.049961	0.421595	0.028737	20.00762	21.77841	36.41553	26.40059	1388.74
451.2803	-2471.3	528.7	0.176777	10.02501	100.2501	58.07927	0.05004	0.421648	-0.904244	21.44719	21.77973	36.46377	26.40232	1388.74
452.6945	-2471.55	528.45	0.219247	12.36624	123.6624	57.9227	0.050043	0.42165	-0.741402	21.21706	21.72101	36.53007	26.47381	1388.74
454.1087	-2471.86	528.1399	0.96998	44.12696	441.2696	57.79398	0.049908	0.421559	1.476211	15.55667	21.67274	36.60698	26.52705	1388.74
455.1087	-2472.83	527.1699	0.523253	27.62097	276.2097	57.97561	0.049798	0.421484	0.338142	19.26314	21.74085	36.66442	26.43925	1388.74
456.5229	-2473.57	526.4299	0.282774	15.78954	157.8954	58.03427	0.049954	0.42159	-0.500915	20.94169	21.76285	36.73477	26.41915	1388.74
457.9372	-2473.97	526.03	0.43849	23.67698	236.7698	57.94746	0.050005	0.421624	0.057925	19.90113	21.7303	36.80402	26.46086	1388.74
459.3514	-2474.59	525.4099	0.410006	22.2939	222.939	57.95752	0.04993	0.421573	-0.040136	20.10945	21.73407	36.87471	26.4531	1388.74
460.7656	-2475.17	524.8301	0.445568	24.01623	240.1623	57.95055	0.049938	0.421579	0.082172	19.85017	21.73146	36.9455	26.45665	1388.74
462.1798	-2475.8	524.2	0.572799	29.80405	298.0405	57.96481	0.049932	0.421575	0.492082	18.86168	21.7368	37.01856	26.44989	1388.74
463.594	-2476.61	523.3899	0.739998	36.50135	365.0135	58.05019	0.049945	0.421583	0.959832	17.49871	21.76882	37.09635	26.41151	1388.74
464.594	-2477.35	522.6499	0.309821	17.21406	172.1406	58.16776	0.050018	0.421633	-0.400514	20.83582	21.81291	37.14852	26.36122	1388.74
465.594	-2477.66	522.3401	0.254635	14.28592	142.8592	58.1188	0.05012	0.421701	-0.607124	21.12059	21.79455	37.19619	26.3877	1388.74
467.0082	-2478.02	521.98	0.469975	25.17237	251.7237	58.01375	0.050077	0.421673	0.163933	19.68912	21.75516	37.2655	26.4337	1388.74



468.0082	-2478.49	521.51	0.459966	24.7008	247.008	58.03384	0.049987	0.421612	0.130667	19.77146	21.76269	37.31618	26.42073	1388.74
469.0082	-2478.95	521.05	0.47999	25.64054	256.4054	58.04985	0.050004	0.421623	0.197322	19.62506	21.76869	37.36694	26.41417	1388.74
470.0081	-2479.43	520.5701	0.459966	24.7008	247.008	58.07402	0.050018	0.421633	0.130596	19.78515	21.77776	37.41769	26.40376	1388.74
471.0081	-2479.89	520.1101	0.43018	23.27641	232.7641	58.09002	0.050039	0.421647	0.029396	20.01076	21.78376	37.46795	26.39737	1388.74
472.0081	-2480.32	519.6799	0.551565	28.87961	288.7961	58.09361	0.050053	0.421656	0.426575	19.07583	21.78511	37.51911	26.39632	1388.74
473.4223	-2481.1	518.8999	0.388772	21.24467	212.4467	58.16746	0.050056	0.421658	-0.114943	20.33043	21.8128	37.59089	26.36294	1388.74
474.8365	-2481.65	518.3501	0.254635	14.28592	142.8592	58.14759	0.050119	0.421701	-0.607124	21.13105	21.80534	37.65911	26.37463	1388.74
476.2507	-2482.01	517.99	0.961744	43.8828	438.828	58.04258	0.050102	0.421689	1.459684	15.68802	21.76597	37.73593	26.42162	1388.74
477.665	-2483.37	516.6299	0.289801	16.16163	161.6163	58.29549	0.050012	0.421628	-0.474817	20.99688	21.86081	37.81303	26.30319	1388.74
478.6649	-2483.66	516.3401	0.176777	10.02501	100.2501	58.23757	0.05023	0.421775	-0.904716	21.50565	21.83909	37.86008	26.33852	1388.74
480.0791	-2483.91	516.0901	0.169699	9.631291	96.31291	58.08135	0.05018	0.421742	-0.931837	21.4735	21.7805	37.92589	26.40726	1388.74
481.4934	-2484.15	515.8501	0.180178	10.21383	102.1383	57.92	0.050045	0.421651	-0.891175	21.3758	21.72	37.9919	26.47512	1388.74
482.4933	-2484.33	515.6699	0.388772	21.24467	212.4467	57.81059	0.049906	0.421557	-0.114591	20.2057	21.67897	38.04	26.51933	1388.74
483.9076	-2484.88	515.1201	0.007078	0.405532	4.055324	57.79065	0.049812	0.421494	-1.55402	21.67095	21.6715	38.10754	26.52448	1388.74
485.3218	-2484.89	515.1101	0.650657	33.05033	330.5033	57.52023	0.049795	0.421482	0.720348	18.07987	21.57009	38.17869	26.64845	1388.74
486.736	-2485.81	514.1899	0.369877	20.29826	202.9826	57.64617	0.049562	0.421325	-0.180948	20.27487	21.61731	38.25244	26.58029	1388.74
487.736	-2486.18	513.8201	0.12012	6.849528	68.49528	57.62385	0.04967	0.421398	-1.12173	21.45472	21.60894	38.30037	26.59522	1388.74
488.7359	-2486.3	513.7	0.198011	11.20032	112.0032	57.48542	0.049651	0.421385	-0.821698	21.14646	21.55703	38.34731	26.65844	1388.74
490.1502	-2486.58	513.4199	0.379887	20.80111	208.0111	57.34167	0.049532	0.421304	-0.145193	20.10153	21.50313	38.41588	26.72015	1388.74
491.1501	-2486.96	513.04	0.388944	21.25326	212.5326	57.32367	0.049408	0.42122	-0.112804	20.03435	21.49638	38.46571	26.72323	1388.74
492.5644	-2487.51	512.49	0.540044	28.37102	283.7102	57.30388	0.049392	0.42121	0.392104	18.9079	21.48895	38.53834	26.73179	1388.74
493.5643	-2488.05	511.95	0.849871	40.36023	403.6023	57.35254	0.049375	0.421198	1.224911	16.38823	21.5072	38.59501	26.70838	1388.74
494.5643	-2488.9	511.1001	0.530035	27.92514	279.2514	57.50441	0.049417	0.421227	0.360518	19.05323	21.56415	38.65144	26.63964	1388.74
495.5643	-2489.43	510.5701	0.260012	14.57488	145.7488	57.54899	0.049548	0.421315	-0.585421	20.88639	21.58087	38.70151	26.6246	1388.74
496.5643	-2489.69	510.3101	0.390141	21.31278	213.1278	57.47665	0.049586	0.421341	-0.109001	20.07969	21.55375	38.75033	26.65975	1388.74
497.5643	-2490.08	509.9199	0.39991	21.79698	217.9698	57.46317	0.049524	0.421299	-0.074474	20.00807	21.54869	38.80022	26.66334	1388.74
498.5643	-2490.48	509.52	0.370121	20.31057	203.1057	57.45395	0.049512	0.421291	-0.179958	20.20566	21.54523	38.84996	26.66712	1388.74
499.5643	-2490.85	509.1499	0.520009	27.47484	274.7484	57.43168	0.049505	0.421286	0.328457	19.10781	21.53688	38.90083	26.67712	1388.74
500.5643	-2491.37	508.6299	0.279791	15.63113	156.3113	57.47235	0.049485	0.421273	-0.510936	20.75505	21.55213	38.951	26.65742	1388.74
501.5643	-2491.65	508.3501	0.040039	2.292868	22.92868	57.40913	0.04952	0.421297	-1.42857	21.51119	21.52842	38.99832	26.68827	1388.74
502.5643	-2491.69	508.3101	0.233396	13.13743	131.3743	57.23218	0.049466	0.42126	-0.686051	20.90036	21.46207	39.04548	26.76845	1388.74
503.9785	-2492.02	507.98	0.879892	41.34428	413.4428	57.11163	0.049313	0.421157	1.291489	16.07879	21.41686	39.12196	26.81838	1388.74
504.9785	-2492.9	507.1001	0.268785	15.04469	150.4469	57.27243	0.04921	0.421086	-0.551552	20.741	21.47716	39.17628	26.73861	1388.74
506.3927	-2493.28	506.72	0.523242	27.62047	276.2047	57.17558	0.049348	0.42118	0.339116	18.9974	21.44084	39.24746	26.78988	1388.74
507.807	-2494.02	505.98	0.459542	24.68076	246.8076	57.23523	0.049265	0.421124	0.130907	19.50251	21.46321	39.32093	26.75837	1388.74
509.2212	-2494.67	505.3301	0.311252	17.28888	172.8888	57.25823	0.049316	0.421158	-0.393526	20.50171	21.47184	39.39163	26.74983	1388.74
510.6354	-2495.11	504.8899	0.47999	25.64054	256.4054	57.18911	0.049336	0.421172	0.198848	19.33406	21.44592	39.46264	26.78301	1388.74
511.6354	-2495.59	504.4099	0.719978	35.75305	357.5305	57.21384	0.049276	0.421132	0.909475	17.41181	21.45519	39.51706	26.76887	1388.74
512.6354	-2496.31	503.6899	0.399906	21.79678	217.9678	57.32688	0.049298	0.421146	-0.073954	19.96064	21.49758	39.57058	26.71701	1388.74
513.6354	-2496.71	503.29	0.325235	18.01636	180.1636	57.3177	0.049395	0.421212	-0.342265	20.44024	21.49414	39.62008	26.72547	1388.74
515.0496	-2497.17	502.8301	0.63014	32.21665	322.1665	57.25765	0.049387	0.421207	0.66287	18.16581	21.47162	39.69335	26.75316	1388.74
516.0496	-2497.8	502.2	0.452464	24.34504	243.4504	57.33997	0.049335	0.421171	0.106912	19.59048	21.50249	39.74632	26.71252	1388.74
517.4639	-2498.44	501.5601	0.630133	32.21639	322.1639	57.35872	0.049406	0.42122	0.662811	18.19793	21.50952	39.82117	26.70684	1388.74
518.4639	-2499.07	500.9299	0.176773	10.0248	100.248	57.4409	0.049422	0.42123	-0.902718	21.21147	21.54034	39.87192	26.66932	1388.74
519.8781	-2499.32	500.6799	0.409997	22.29348	222.9348	57.28285	0.049493	0.421278	-0.039143	19.87542	21.48107	39.94076	26.74595	1388.74
521.2923	-2499.9	500.1001	0.53032	27.93791	279.3791	57.27597	0.049357	0.421186	0.361556	18.9753	21.47849	40.01356	26.74331	1388.74
522.7066	-2500.65	499.3501	0.280032	15.64395	156.4395	57.33946	0.049351	0.421182	-0.509705	20.70577	21.5023	40.08484	26.71344	1388.74
523.7066	-2500.93	499.0701	0.219242	12.36599	123.6599	57.27625	0.049406	0.421219	-0.739842	20.98028	21.47859	40.13282	26.74527	1388.74
525.1208	-2501.24	498.76	0.37478	20.54501	205.4501	57.14634	0.049351	0.421182	-0.16294	20.06687	21.42988	40.20173	26.80373	1388.74
526.535	-2501.77	498.23	0.671704	33.88943	338.8943	57.11767	0.049239	0.421107	0.780094	17.78034	21.41913	40.27646	26.81236	1388.74
527.9493	-2502.72	497.28	0.290042	16.17438	161.7438	57.25502	0.049215	0.42109	-0.471978	20.62079	21.47063	40.35012	26.74697	1388.74
528.9493	-2503.01	496.99	0.290042	16.17438	161.7438	57.1964	0.049333	0.42117	-0.472267	20.59968	21.44865	40.39863	26.77948	1388.74
529.9493	-2503.3	496.7	0.320075	17.74856	177.4856	57.13769	0.049283	0.421136	-0.360941	20.4068	21.42663	40.44741	26.80482	1388.74
530.9492	-2503.62	496.3799	0.339391	18.74676	187.4676	57.09277	0.049232	0.421101	-0.290158	20.27396	21.40979	40.49657	26.82373	1388.74
532.3635	-2504.1	495.8999	0.296924	16.53742	165.3742	57.04166	0.049193	0.421075	-0.446308	20.50578	21.39062	40.56593	26.84609	1388.74
533.7777	-2504.52	495.48	0.601099	31.01002	310.1002	56.96297	0.049149	0.421045	0.578698	18.30812	21.36111	40.6388	26.88127	1388.74
535.192	-2505.37	494.6299	0.399906	21.79678	217.9678	57.06514	0.049081	0.420999	-0.073444	19.86951	21.39943	40.71289	26.83021	1388.74
536.1919	-2505.77	494.23	0.399906	21.79678	217.9678	57.05599	0.04917	0.421059	-0.073652	19.86632	21.39599	40.76322	26.83832	1388.74
537.1919	-2506.17	493.8301	0.332313	18.38233	183.8233	57.04681	0.049162	0.421054	-0.315796	20.30096	21.39255	40.81301	26.8423	1388.74
538.6062	-2506.64	493.3601	0.516337	27.30899	273.0899	56.99113	0.049154	0.421048	0.317506	18.9897	21.37168	40.885	26.86818	1388.74

540.0204	-2507.37	492.6299	0.629895	32.20664	322.0664	57.04716	0.049106	0.421016	0.662773	18.10102	21.39269	40.96126	26.83972	1388.74
541.0204	-2508	492	0.438481	23.67653	236.7653	57.12978	0.049154	0.421049	0.059868	19.62038	21.42367	41.01428	26.80299	1388.74
542.4346	-2508.62	491.3799	0.459542	24.68076	246.8076	57.14032	0.049225	0.421097	0.130998	19.47017	21.42762	41.08664	26.80111	1388.74
543.8489	-2509.27	490.73	0.424325	22.99274	229.9274	57.16337	0.049234	0.421103	0.011123	19.73325	21.43626	41.15879	26.79069	1388.74
545.2631	-2509.87	490.1299	0.473697	25.3468	253.468	57.16533	0.049254	0.421116	0.178197	19.37333	21.437	41.23111	26.79063	1388.74
546.6774	-2510.54	489.46	0.409916	22.28952	222.8952	57.19668	0.049256	0.421118	-0.038867	19.84608	21.44875	41.30323	26.77602	1388.74
547.6773	-2510.95	489.05	0.179933	10.20028	102.0028	57.19185	0.049283	0.421136	-0.890213	21.10797	21.44694	41.35207	26.77945	1388.74
548.6773	-2511.13	488.8701	0.230229	12.96524	129.6524	57.08116	0.049279	0.421133	-0.697639	20.85973	21.40543	41.39972	26.8312	1388.74
549.6773	-2511.36	488.6399	0.339391	18.74676	187.4676	56.99425	0.049183	0.421068	-0.290041	20.23898	21.37284	41.44838	26.86799	1388.74
551.0916	-2511.84	488.1599	0.339391	18.74676	187.4676	56.94307	0.049108	0.421018	-0.289861	20.22081	21.35365	41.51829	26.88889	1388.74
552.5058	-2512.32	487.6799	0.459542	24.68076	246.8076	56.89188	0.049064	0.420988	0.13137	19.38552	21.33445	41.58971	26.91118	1388.74
553.92	-2512.97	487.03	0.480775	25.6771	256.771	56.9151	0.04902	0.420958	0.202164	19.23553	21.34316	41.66294	26.89829	1388.74
555.3343	-2513.65	486.3501	0.41017	22.30194	223.0194	56.95082	0.04904	0.420971	-0.037477	19.75902	21.35656	41.73548	26.88228	1388.74
556.7485	-2514.23	485.77	0.431403	23.33551	233.3551	56.94421	0.049071	0.420992	0.035847	19.60734	21.35408	41.80733	26.88674	1388.74
558.1628	-2514.84	485.1599	0.381686	20.89113	208.9113	56.95054	0.049065	0.420988	-0.137697	19.95247	21.35645	41.87883	26.8835	1388.74
559.577	-2515.38	484.6201	0.403092	21.95395	219.5395	56.92622	0.049071	0.420992	-0.062259	19.79932	21.34733	41.94998	26.89522	1388.74
560.9912	-2515.95	484.05	0.417247	22.64821	226.4821	56.91522	0.04905	0.420978	-0.012911	19.69736	21.34321	42.0216	26.89951	1388.74
562.4055	-2516.54	483.46	0.43123	23.32717	233.2717	56.91294	0.04904	0.420972	0.035326	19.5978	21.34235	42.09358	26.90018	1388.74
563.8197	-2517.15	482.8501	0.509259	26.98789	269.8789	56.91918	0.049038	0.42097	0.29503	19.02031	21.34469	42.16682	26.89714	1388.74
565.234	-2517.87	482.1299	0.424153	22.98435	229.8435	56.97131	0.049044	0.420974	0.010974	19.66817	21.36424	42.23993	26.87277	1388.74
566.6482	-2518.47	481.53	0.480779	25.67726	256.7726	56.97325	0.049089	0.421004	0.202018	19.25516	21.36497	42.31259	26.8738	1388.74
568.0624	-2519.15	480.8501	0.339391	18.74676	187.4676	57.00891	0.04909	0.421005	-0.289817	20.24418	21.37834	42.3842	26.85706	1388.74
569.4767	-2519.63	480.3701	0.445559	24.01578	240.1578	56.95778	0.049121	0.421026	0.084033	19.51018	21.35917	42.45535	26.8825	1388.74
570.8909	-2520.26	479.74	0.388936	21.25285	212.5285	56.97262	0.049077	0.420996	-0.11205	19.91171	21.36473	42.5271	26.87359	1388.74
572.3051	-2520.81	479.1899	0.339847	18.77018	187.7018	56.95284	0.04909	0.421005	-0.288156	20.22147	21.35731	42.59758	26.88348	1388.74
573.3051	-2521.15	478.8501	0.41016	22.30149	223.0149	56.91686	0.049073	0.420994	-0.037586	19.7473	21.34382	42.64762	26.89973	1388.74
574.3051	-2521.56	478.4399	0.41993	22.77901	227.7901	56.91216	0.049042	0.420973	-0.003604	19.67749	21.34206	42.69835	26.90061	1388.74
575.3051	-2521.98	478.02	0.388936	21.25285	212.5285	56.91171	0.049038	0.42097	-0.111957	19.89043	21.34189	42.74889	26.90064	1388.74
576.7193	-2522.53	477.47	0.409916	22.28952	222.8952	56.89193	0.049037	0.42097	-0.038353	19.74034	21.33447	42.82026	26.90998	1388.74
577.7193	-2522.94	477.0601	0.381858	20.89976	208.9976	56.88714	0.04902	0.420958	-0.136977	19.92911	21.33268	42.87068	26.91151	1388.74
579.1336	-2523.48	476.52	0.380131	20.81334	208.1334	56.86292	0.049016	0.420955	-0.143101	19.93208	21.3236	42.94164	26.92279	1388.74
580.1336	-2523.86	476.1399	0.36988	20.29845	202.9845	56.84503	0.048995	0.420941	-0.179586	19.99307	21.31688	42.99173	26.93036	1388.74
581.1335	-2524.23	475.77	0.424325	22.99274	229.9274	56.82256	0.04898	0.420931	0.011719	19.6156	21.30846	43.04222	26.94034	1388.74
582.5478	-2524.83	475.1699	0.551554	28.87909	288.7909	56.82463	0.048961	0.420917	0.428964	18.65924	21.30924	43.11612	26.93852	1388.74
583.962	-2525.61	474.3899	0.309818	17.2139	172.139	56.90055	0.048962	0.420919	-0.397967	20.38192	21.33771	43.18857	26.90265	1388.74
584.962	-2525.92	474.0801	0.325235	18.01636	180.1636	56.85082	0.049028	0.420963	-0.341377	20.27375	21.31906	43.23776	26.92903	1388.74
586.3763	-2526.38	473.6201	0.445559	24.01578	240.1578	56.79043	0.048985	0.420934	0.084349	19.45285	21.29641	43.30896	26.9558	1388.74
587.7905	-2527.01	472.99	0.480775	25.6771	256.771	56.80537	0.048933	0.420899	0.202365	19.19844	21.30201	43.38214	26.94645	1388.74
589.2047	-2527.69	472.3101	0.466792	25.0228	250.228	56.84119	0.048946	0.420907	0.155918	19.31477	21.31545	43.45558	26.93003	1388.74
590.619	-2528.35	471.6499	0.494931	26.33223	263.3223	56.86878	0.048977	0.420928	0.248715	19.11296	21.32579	43.52919	26.9183	1388.74
592.0332	-2529.05	470.95	0.487853	26.00558	260.0558	56.91276	0.049	0.420944	0.225504	19.18141	21.34229	43.60305	26.89853	1388.74
593.4475	-2529.74	470.26	0.438481	23.67653	236.7653	56.95261	0.049038	0.42097	0.060138	19.55953	21.35723	43.67606	26.88135	1388.74
594.8617	-2530.36	469.6399	0.289801	16.16163	161.6163	56.96323	0.049073	0.420993	-0.47253	20.51702	21.36121	43.74664	26.87783	1388.74
595.8617	-2530.65	469.3501	0.381858	20.89976	208.9976	56.90424	0.049082	0.421	-0.137123	19.9351	21.33909	43.79608	26.90608	1388.74
597.2759	-2531.19	468.8101	0.502009	26.65705	266.5705	56.88001	0.049031	0.420965	0.27161	19.06279	21.33	43.86861	26.91534	1388.74
598.6902	-2531.9	468.1001	0.424325	22.99274	229.9274	56.92803	0.04901	0.420951	0.011648	19.65201	21.34801	43.94167	26.89173	1388.74
600.1044	-2532.5	467.5	0.396014	21.60425	216.0425	56.93009	0.049051	0.420979	-0.087043	19.84901	21.34878	44.01327	26.89256	1388.74
601.5186	-2533.06	466.9399	0.43123	23.32717	233.2717	56.91471	0.049053	0.42098	0.035296	19.59841	21.34302	44.08497	26.8999	1388.74
602.9329	-2533.67	466.3301	0.488026	26.01357	260.1357	56.92095	0.04904	0.420971	0.22598	19.18286	21.34536	44.15791	26.89638	1388.74
604.3471	-2534.36	465.6399	0.46662	25.01468	250.1468	56.96087	0.049045	0.420975	0.155112	19.35672	21.36033	44.2313	26.87776	1388.74
605.7614	-2535.02	464.98	0.452464	24.34504	243.4504	56.98826	0.04908	0.420998	0.107504	19.47031	21.3706	44.30415	26.86633	1388.74
607.1756	-2535.66	464.3401	0.431403	23.33551	233.3551	57.00723	0.049103	0.421014	0.035771	19.62904	21.37771	44.37649	26.85841	1388.74
608.5898	-2536.27	463.73	0.502009	26.65705	266.5705	57.01354	0.04912	0.421025	0.271408	19.10755	21.38008	44.44951	26.85614	1388.74
610.0041	-2536.98	463.02	0.502009	26.65705	266.5705	57.06142	0.049125	0.421029	0.271396	19.12359	21.39803	44.52349	26.83385	1388.74
611.4183	-2537.69	462.3101	0.445559	24.01578	240.1578	57.10925	0.049166	0.421057	0.083928	19.56206	21.41597	44.5966	26.81315	1388.74
612.8326	-2538.32	461.6799	0.459542	24.68076	246.8076	57.12403	0.049208	0.421085	0.131039	19.46462	21.42151	44.66908	26.80799	1388.74
614.2468	-2538.97	461.03	0.41017	22.30194	223.0194	57.1471	0.04922	0.421094	-0.037901	19.82712	21.43016	44.74107	26.79772	1388.74
615.661	-2539.55	460.45	0.452467	24.34519	243.4519	57.14043	0.04924	0.421107	0.107143	19.52228	21.42766	44.81295	26.8017	1388.74
617.0753	-2540.19	459.8101	0.424325	22.99274	229.9274	57.15929	0.049234	0.421103	0.011123	19.73184	21.43473	44.885	26.79261	1388.74
618.4895	-2540.79	459.21	0.459542	24.68076	246.8076	57.16124	0.049251	0.421114	0.13094	19.4773	21.43547	44.95714	26.7924	1388.74



619.9037	-2541.44	458.5601	0.417247	22.64821	226.4821	57.18428	0.049252	0.421115	-0.013386	19.79048	21.4441	45.02917	26.78168	1388.74
621.318	-2542.03	457.97	0.424153	22.98435	229.8435	57.18193	0.049272	0.421129	0.010439	19.74088	21.44322	45.10072	26.78363	1388.74
622.7322	-2542.63	457.3701	0.388936	21.25285	212.5285	57.18376	0.04927	0.421127	-0.112507	19.98551	21.44391	45.17192	26.78269	1388.74
624.1465	-2543.18	456.8201	0.510015	27.02226	270.2226	57.16398	0.049272	0.421128	0.296935	19.09627	21.43649	45.24429	26.79202	1388.74
625.1465	-2543.69	456.3101	0.280032	15.64395	156.4395	57.20091	0.049255	0.421117	-0.509469	20.65574	21.45034	45.29461	26.77399	1388.74
626.1464	-2543.97	456.03	0.480775	25.6771	256.771	57.13758	0.049287	0.421138	0.201554	19.31072	21.42659	45.34465	26.80504	1388.74
627.5607	-2544.65	455.3501	0.19093	10.80941	108.0941	57.17305	0.049232	0.421101	-0.847826	21.05948	21.43989	45.41471	26.78606	1388.74
628.9749	-2544.92	455.0801	0.558632	29.1891	291.891	57.02392	0.049263	0.421122	0.450179	18.66852	21.38397	45.48591	26.85743	1388.74
630.3892	-2545.71	454.29	0.480775	25.6771	256.771	57.10331	0.049134	0.421035	0.201903	19.29914	21.41374	45.5604	26.81454	1388.74
631.8034	-2546.39	453.6101	0.304175	16.91842	169.1842	57.13887	0.049202	0.421081	-0.419427	20.49971	21.42708	45.63147	26.80081	1388.74
633.2176	-2546.82	453.1799	0.261535	14.65656	146.5656	57.06505	0.049233	0.421102	-0.578906	20.70306	21.39939	45.70012	26.8368	1388.74
634.6319	-2547.19	452.8101	0.43018	23.27641	232.7641	56.96303	0.049169	0.421059	0.03142	19.62253	21.36114	45.77026	26.88211	1388.74
635.6319	-2547.62	452.3799	0.381686	20.89113	208.9113	56.96695	0.049082	0.420999	-0.137735	19.95822	21.36261	45.82079	26.87646	1388.74
637.0461	-2548.16	451.8401	0.367702	20.1886	201.886	56.94263	0.049085	0.421002	-0.187593	20.04157	21.35349	45.8915	26.88808	1388.74
638.4603	-2548.68	451.3201	0.360111	19.80451	198.0451	56.9095	0.049064	0.420988	-0.214785	20.07883	21.34106	45.962	26.90283	1388.74
639.4603	-2549.04	450.96	0.36988	20.29845	202.9845	56.88267	0.049035	0.420968	-0.179682	20.00631	21.331	46.0119	26.91428	1388.74
640.4603	-2549.41	450.5901	0.31833	17.65784	176.5784	56.8602	0.049012	0.420953	-0.366702	20.31796	21.32258	46.06149	26.92391	1388.74
641.8746	-2549.86	450.1399	0.452464	24.34504	243.4504	56.79534	0.048993	0.420939	0.107705	19.4044	21.29825	46.1327	26.95382	1388.74
643.2888	-2550.5	449.5	0.459542	24.68076	246.8076	56.81442	0.048937	0.420901	0.131664	19.35912	21.30541	46.20567	26.94234	1388.74
644.703	-2551.15	448.8501	0.510015	27.02226	270.2226	56.83772	0.048953	0.420913	0.297656	18.98728	21.31415	46.27943	26.93201	1388.74
645.703	-2551.66	448.3401	0.450204	24.23748	242.3748	56.87496	0.048974	0.420926	0.100115	19.44808	21.32811	46.33146	26.91524	1388.74
646.703	-2552.11	447.8899	0.409916	22.28952	222.8952	56.88748	0.049006	0.420948	-0.038278	19.7388	21.3328	46.3825	26.91071	1388.74
647.703	-2552.52	447.48	0.452464	24.34504	243.4504	56.88269	0.049016	0.420955	0.107651	19.43425	21.33101	46.43355	26.91345	1388.74
649.1172	-2553.16	446.8401	0.41016	22.30149	223.0149	56.90173	0.049012	0.420953	-0.037443	19.74205	21.33815	46.50575	26.90427	1388.74
650.1172	-2553.57	446.4299	0.381858	20.89976	208.9976	56.89705	0.049029	0.420964	-0.136997	19.93259	21.33639	46.55616	26.90719	1388.74
651.5315	-2554.11	445.8899	0.388763	21.24426	212.4426	56.87283	0.049025	0.420961	-0.112536	19.878	21.32731	46.62721	26.91847	1388.74
652.9457	-2554.66	445.3401	0.41017	22.30194	223.0194	56.85293	0.049004	0.420947	-0.037392	19.72506	21.31985	46.69863	26.92699	1388.74
654.3599	-2555.24	444.76	0.396014	21.60425	216.0425	56.84632	0.048987	0.420935	-0.08689	19.81981	21.31737	46.77016	26.92938	1388.74
655.7742	-2555.8	444.2	0.417075	22.63978	226.3978	56.83095	0.048981	0.420931	-0.013348	19.6694	21.31161	46.84178	26.93641	1388.74
657.1884	-2556.39	443.6101	0.410172	22.30209	223.0209	56.82859	0.048968	0.420922	-0.037297	19.71659	21.31072	46.9136	26.93696	1388.74
658.6027	-2556.97	443.03	0.438481	23.67653	236.7653	56.82199	0.048966	0.420921	0.060307	19.51467	21.30824	46.9857	26.94	1388.74
660.0169	-2557.59	442.4099	0.381686	20.89113	208.9113	56.83266	0.04896	0.420917	-0.137447	19.91117	21.31225	47.05744	26.93469	1388.74
661.4311	-2558.13	441.8701	0.37478	20.54501	205.4501	56.80834	0.048969	0.420923	-0.162031	19.94818	21.30313	47.1284	26.94662	1388.74
662.8454	-2558.66	441.3401	0.37478	20.54501	205.4501	56.77965	0.048948	0.420909	-0.161981	19.93811	21.29237	47.19931	26.95932	1388.74
664.2596	-2559.19	440.8101	0.396014	21.60425	216.0425	56.75096	0.048924	0.420892	-0.08674	19.78656	21.28161	47.27051	26.97188	1388.74
665.6739	-2559.75	440.25	0.657549	33.32687	333.2687	56.73559	0.048899	0.420876	0.741571	17.77703	21.27585	47.34581	26.97811	1388.74
667.0881	-2560.68	439.3201	0.330081	18.2671	182.671	56.86704	0.048886	0.420867	-0.323288	20.25047	21.32514	47.42019	26.91517	1388.74
668.0881	-2561.01	438.99	0.304002	16.90937	169.0937	56.82661	0.048999	0.420943	-0.419571	20.38867	21.30998	47.46941	26.93924	1388.74
669.5023	-2561.44	438.5601	0.360625	19.83055	198.3055	56.75236	0.048964	0.42092	-0.212699	20.02011	21.28214	47.5394	26.97297	1388.74
670.9166	-2561.95	438.05	0.452637	24.35325	243.5325	56.71467	0.0489	0.420876	0.108503	19.37558	21.268	47.6112	26.98811	1388.74
672.3308	-2562.59	437.4099	0.332313	18.38233	183.8233	56.73391	0.048868	0.420854	-0.315087	20.18961	21.27522	47.68269	26.97755	1388.74
673.745	-2563.06	436.9399	0.438308	23.66824	236.6824	56.67806	0.048884	0.420866	0.059908	19.46647	21.25427	47.75401	27.00486	1388.74
675.1593	-2563.68	436.3201	0.424328	22.99288	229.9288	56.68869	0.048836	0.420833	0.012066	19.56936	21.25826	47.82647	26.9977	1388.74
676.5735	-2564.28	435.72	0.417247	22.64821	226.4821	56.69083	0.048845	0.420839	-0.01243	19.6197	21.25906	47.89865	26.99708	1388.74
677.9878	-2564.87	435.1299	0.360452	19.8218	198.218	56.68862	0.048847	0.42084	-0.213039	19.99872	21.25823	47.97004	26.99821	1388.74
679.402	-2565.38	434.6201	0.424325	22.99274	229.9274	56.65083	0.048845	0.420839	0.012034	19.55631	21.24406	48.04155	27.01613	1388.74
680.8162	-2565.98	434.02	0.452637	24.35325	243.5325	56.65296	0.048813	0.420817	0.108706	19.3545	21.24486	48.11424	27.0137	1388.74
682.2305	-2566.62	433.3799	0.395841	21.5957	215.957	56.67226	0.048814	0.420818	-0.087089	19.76029	21.2521	48.18655	27.00458	1388.74
683.6447	-2567.18	432.8201	0.37478	20.54501	205.4501	56.65681	0.048831	0.420829	-0.161701	19.89497	21.2463	48.25788	27.01267	1388.74
685.059	-2567.71	432.29	0.353547	19.47088	194.7088	56.6281	0.048818	0.42082	-0.237849	20.0211	21.23554	48.32874	27.02578	1388.74
686.4732	-2568.21	431.79	0.396014	21.60425	216.0425	56.58586	0.048793	0.420804	-0.086431	19.729	21.2197	48.3999	27.04487	1388.74
687.8874	-2568.77	431.23	0.452464	24.34504	243.4504	56.5705	0.048757	0.420779	0.108253	19.32759	21.21394	48.47232	27.05063	1388.74
689.3017	-2569.41	430.5901	0.47387	25.35487	253.5487	56.58975	0.048743	0.42077	0.179944	19.17698	21.22116	48.54577	27.04085	1388.74
690.7159	-2570.08	429.9199	0.58677	30.40314	304.0314	56.62173	0.04876	0.420781	0.536862	18.31329	21.23315	48.62122	27.0263	1388.74
692.1302	-2570.91	429.0901	0.43018	23.27641	232.7641	56.71708	0.048787	0.4208	0.032313	19.53781	21.26891	48.69595	26.98207	1388.74
693.1301	-2571.34	428.6599	0.226147	12.74293	127.4293	56.72113	0.04887	0.420856	-0.712173	20.74652	21.27042	48.74559	26.98372	1388.74
694.5444	-2571.66	428.3401	0.516164	27.30118	273.0118	56.59486	0.048873	0.420858	0.317588	18.85899	21.22307	48.81701	27.04407	1388.74
695.9586	-2572.39	427.6101	0.417247	22.64821	226.4821	56.6513	0.048764	0.420784	-0.01224	19.60602	21.24424	48.89054	27.01239	1388.74
697.3729	-2572.98	427.02	0.452637	24.35325	243.5325	56.64912	0.048813	0.420817	0.108705	19.35319	21.24342	48.96314	27.01554	1388.74
698.7871	-2573.62	426.3799	0.409997	22.29348	222.9348	56.66842	0.048811	0.420816	-0.037539	19.66223	21.25066	49.03564	27.00626	1388.74

700.2013	-2574.2	425.8	0.431403	23.33551	233.3551	56.66176	0.048828	0.420827	0.036415	19.51008	21.24816	49.10785	27.01016	1388.74
701.6156	-2574.81	425.1899	0.452464	24.34504	243.4504	56.66822	0.048822	0.420823	0.108102	19.36097	21.25058	49.18061	27.00683	1388.74
703.0298	-2575.45	424.55	0.449956	24.22563	242.2563	56.68741	0.048828	0.420827	0.099613	19.38575	21.25778	49.25361	26.99794	1388.74
704.0298	-2575.9	424.1001	0.590094	30.54459	305.4459	56.6999	0.048844	0.420838	0.546632	18.31196	21.26246	49.30666	26.99271	1388.74
705.0298	-2576.49	423.51	0.639905	32.6154	326.154	56.76846	0.048855	0.420846	0.691934	17.93119	21.28817	49.36185	26.96058	1388.74
706.0298	-2577.13	422.8701	0.530035	27.92514	279.2514	56.85513	0.048914	0.420886	0.361648	18.8381	21.32068	49.41624	26.92204	1388.74
707.0298	-2577.66	422.3401	0.300052	16.70197	167.0197	56.90037	0.048989	0.420936	-0.434193	20.43746	21.33764	49.46716	26.90388	1388.74
708.0298	-2577.96	422.04	0.261707	14.66581	146.6581	56.8461	0.049028	0.420963	-0.57775	20.62275	21.31729	49.51587	26.93125	1388.74
709.444	-2578.33	421.6699	0.579692	30.10054	301.0054	56.74389	0.048981	0.420931	0.515069	18.40942	21.27896	49.58833	26.97773	1388.74
710.8582	-2579.15	420.8501	0.544476	28.56723	285.6723	56.83518	0.048893	0.420871	0.407087	18.71845	21.31319	49.66452	26.93057	1388.74
712.2725	-2579.92	420.0801	0.41725	22.64835	226.4835	56.90721	0.048971	0.420925	-0.012717	19.69457	21.3402	49.73815	26.8999	1388.74
713.6867	-2580.51	419.49	0.459966	24.7008	247.008	56.90496	0.049033	0.420967	0.132864	19.38686	21.33936	49.81052	26.90365	1388.74
714.6867	-2580.97	419.03	0.141384	8.047379	80.47379	56.92157	0.049032	0.420966	-1.038106	21.13539	21.34559	49.85988	26.89572	1388.74
716.1009	-2581.17	418.8301	0.469975	25.17237	251.7237	56.73816	0.049046	0.420975	0.1663	19.2562	21.27681	49.9299	26.98328	1388.74
717.1009	-2581.64	418.3601	0.62941	32.18672	321.8672	56.759	0.048888	0.420868	0.661847	18.01353	21.28462	49.98357	26.9665	1388.74
718.5152	-2582.53	417.47	0.219975	12.40606	124.0606	56.87627	0.048906	0.42088	-0.735802	20.83057	21.3286	50.05638	26.91168	1388.74
719.5151	-2582.75	417.25	0.226318	12.75226	127.5226	56.78427	0.049007	0.420949	-0.711861	20.76885	21.2941	50.10446	26.95967	1388.74
720.9294	-2583.07	416.9299	0.530035	27.92514	279.2514	56.6582	0.048928	0.420895	0.361618	18.77285	21.24682	50.17599	27.01621	1388.74
721.9294	-2583.6	416.3999	0.445386	24.00753	240.0753	56.70359	0.048819	0.420821	0.084149	19.42435	21.26384	50.22835	26.98986	1388.74
723.3436	-2584.23	415.77	0.233396	13.13743	131.3743	56.71851	0.048858	0.420848	-0.684546	20.71277	21.26944	50.29882	26.98446	1388.74
724.7579	-2584.56	415.4399	0.388936	21.25285	212.5285	56.59713	0.048871	0.420857	-0.111561	19.78048	21.22392	50.36867	27.04289	1388.74
726.1721	-2585.11	414.8899	0.395841	21.5957	215.957	56.57731	0.048766	0.420786	-0.086975	19.72718	21.21649	50.44026	27.0478	1388.74
727.5863	-2585.67	414.3301	0.37478	20.54501	205.4501	56.56185	0.048749	0.420774	-0.161506	19.86163	21.21069	50.51171	27.05445	1388.74
729.0006	-2586.2	413.8	0.424325	22.99274	229.9274	56.53313	0.048736	0.420765	0.012291	19.51568	21.19992	50.58354	27.06761	1388.74
730.4148	-2586.8	413.2	0.388936	21.25285	212.5285	56.53532	0.048711	0.420748	-0.111182	19.75888	21.20074	50.65556	27.06548	1388.74
731.8291	-2587.35	412.6499	0.657549	33.32687	333.2687	56.51554	0.048713	0.420749	0.741966	17.70808	21.19333	50.73105	27.07503	1388.74
733.2433	-2588.28	411.72	0.473697	25.3468	253.468	56.64757	0.048696	0.420738	0.17948	19.19786	21.24284	50.80769	27.01118	1388.74
734.6575	-2588.95	411.05	0.47387	25.35487	253.5487	56.67944	0.04881	0.420815	0.179792	19.20738	21.25479	50.88134	27.00096	1388.74
736.0718	-2589.62	410.3799	0.37461	20.53647	205.3647	56.71134	0.048837	0.420834	-0.162322	19.91523	21.26675	50.95364	26.98696	1388.74
737.486	-2590.15	409.8501	0.31833	17.65784	176.5784	56.68255	0.048865	0.420852	-0.366344	20.25448	21.25596	51.02405	27.00187	1388.74
738.9002	-2590.6	409.3999	0.445386	24.00753	240.0753	56.61755	0.04884	0.420835	0.0841	19.39488	21.23158	51.09539	27.03178	1388.74
740.3145	-2591.23	408.77	0.37478	20.54501	205.4501	56.63249	0.048784	0.420797	-0.161589	19.88643	21.23718	51.16739	27.02221	1388.74
741.7287	-2591.76	408.24	0.396014	21.60425	216.0425	56.6038	0.048797	0.420806	-0.08644	19.73525	21.22642	51.23878	27.03647	1388.74
743.143	-2592.32	407.6799	0.339391	18.74676	187.4676	56.58844	0.048772	0.420789	-0.28905	20.09487	21.22067	51.3098	27.04273	1388.74
744.5572	-2592.8	407.2	0.229983	12.95183	129.5183	56.53707	0.048759	0.42078	-0.697288	20.66201	21.2014	51.37919	27.06672	1388.74
745.5572	-2593.03	406.97	0.339391	18.74676	187.4676	56.44937	0.048715	0.42075	-0.288911	20.04549	21.16851	51.42832	27.10684	1388.74
746.9714	-2593.51	406.49	0.389896	21.30063	213.0063	56.3979	0.048639	0.420699	-0.107619	19.70445	21.14921	51.49948	27.12826	1388.74
747.9714	-2593.9	406.1001	0.396017	21.60439	216.0439	56.38433	0.048595	0.420669	-0.085951	19.65871	21.14412	51.55029	27.13285	1388.74
749.3857	-2594.46	405.54	0.396014	21.60425	216.0425	56.369	0.048583	0.420661	-0.085933	19.65339	21.13837	51.62224	27.13971	1388.74
750.7999	-2595.02	404.98	0.37478	20.54501	205.4501	56.35367	0.04857	0.420652	-0.161077	19.78852	21.13262	51.69395	27.14652	1388.74
752.2141	-2595.55	404.45	0.381858	20.89976	208.9976	56.32492	0.048556	0.420643	-0.135874	19.73215	21.12185	51.76552	27.15979	1388.74
753.6284	-2596.09	403.9099	0.438308	23.66824	236.6824	56.30066	0.048532	0.420626	0.060731	19.33685	21.11275	51.83792	27.17041	1388.74
755.0426	-2596.71	403.29	0.487853	26.00558	260.0558	56.31151	0.048511	0.420612	0.226625	18.97877	21.11682	51.91174	27.16425	1388.74
756.4569	-2597.4	402.6001	0.459714	24.68892	246.8892	56.35198	0.04852	0.420618	0.133209	19.2003	21.13199	51.98582	27.14515	1388.74
757.8711	-2598.05	401.95	0.417075	22.63978	226.3978	56.37575	0.048555	0.420642	-0.012346	19.51186	21.14091	52.05889	27.13524	1388.74
759.2853	-2598.64	401.3601	0.403092	21.95395	219.5395	56.37355	0.048576	0.420656	-0.061089	19.6071	21.14008	52.13119	27.1372	1388.74
760.6996	-2599.21	400.79	0.473697	25.3468	253.468	56.36265	0.048574	0.420655	0.179762	19.1013	21.136	52.20426	27.14236	1388.74
762.1138	-2599.88	400.1201	0.488026	26.01357	260.1357	56.39473	0.048564	0.420648	0.227068	19.00552	21.14802	52.27849	27.12651	1388.74
763.5281	-2600.57	399.4299	0.859872	40.69131	406.9131	56.43522	0.048592	0.420667	1.248824	16.04665	21.16321	52.35918	27.10826	1388.74
764.528	-2601.43	398.5701	0.162618	9.236457	92.36457	56.59258	0.048627	0.420691	-0.955226	20.94706	21.22222	52.41324	27.03441	1388.74
765.9423	-2601.66	398.3401	0.660169	33.43157	334.3157	56.42283	0.048762	0.420783	0.74917	17.65776	21.15856	52.48651	27.12168	1388.74
766.9423	-2602.32	397.6799	0.332313	18.38233	183.8233	56.51725	0.048616	0.420683	-0.314478	20.11251	21.19397	52.53946	27.06997	1388.74
768.3565	-2602.79	397.21	0.261535	14.65656	146.5656	56.46129	0.048697	0.420739	-0.577588	20.48401	21.17298	52.60914	27.10037	1388.74
769.7707	-2603.16	396.8401	0.290019	16.17315	161.7315	56.35841	0.048649	0.420706	-0.470682	20.29799	21.1344	52.67849	27.14772	1388.74
771.185	-2603.57	396.4299	0.388936	21.25285	212.5285	56.27442	0.048561	0.420646	-0.110824	19.66769	21.10291	52.74926	27.18434	1388.74
772.5992	-2604.12	395.8799	0.329837	18.25448	182.5448	56.25461	0.048488	0.420596	-0.323219	20.03384	21.09548	52.82051	27.19073	1388.74
773.5992	-2604.45	395.55	0.275863	15.42222	154.2222	56.21376	0.048471	0.420585	-0.523165	20.32111	21.08016	52.87007	27.20974	1388.74
775.0135	-2604.84	395.1599	0.31108	17.27986	172.7986	56.12016	0.048436	0.420561	-0.392024	20.0952	21.04506	52.94005	27.25357	1388.74
776.4277	-2605.28	394.72	0.41017	22.30194	223.0194	56.04991	0.048355	0.420506	-0.035862	19.44645	21.01872	53.01158	27.28416	1388.74
777.8419	-2605.86	394.1399	0.46662	25.01468	250.1468	56.04347	0.048295	0.420465	0.156846	19.04496	21.0163	53.08507	27.28462	1388.74

779.2562	-2606.52	393.48	0.388939	21.25299	212.5299	56.07162	0.048289	0.420461	-0.110169	19.5968	21.02686	53.15826	27.27068	1388.74
780.6704	-2607.07	392.9299	0.469975	25.17237	251.7237	56.05186	0.048313	0.420477	0.16799	19.02328	21.01945	53.2315	27.28137	1388.74
781.6704	-2607.54	392.46	0.014156	0.811007	8.110066	56.07317	0.048296	0.420466	-1.52351	21.02533	21.02744	53.28144	27.27025	1388.74
783.0846	-2607.56	392.4399	0.699958	34.99041	349.9041	55.79993	0.048315	0.420478	0.858612	17.14274	20.92497	53.35555	27.4046	1388.74
784.0846	-2608.26	391.74	0.212163	11.9784	119.784	55.90935	0.048079	0.420318	-0.763586	20.50949	20.96601	53.40866	27.34052	1388.74
785.4989	-2608.56	391.4399	0.39991	21.79698	217.9698	55.772	0.048174	0.420382	-0.071281	19.41922	20.9145	53.4795	27.41205	1388.74
786.4988	-2608.96	391.04	0.370121	20.31057	203.1057	55.76291	0.048055	0.420301	-0.176477	19.61094	20.91109	53.53074	27.41125	1388.74
787.4988	-2609.33	390.6699	0.319827	17.7357	177.357	55.7404	0.048047	0.420296	-0.358851	19.90919	20.90265	53.58135	27.42197	1388.74
788.4988	-2609.65	390.3501	0.370121	20.31057	203.1057	55.69462	0.048028	0.420283	-0.176412	19.58693	20.88548	53.63199	27.44365	1388.74
789.4988	-2610.02	389.98	0.290045	16.17453	161.7453	55.6721	0.047989	0.420256	-0.468964	20.05067	20.87704	53.68244	27.45299	1388.74
790.4988	-2610.31	389.6899	0.205085	11.58979	115.8979	55.6122	0.047969	0.420243	-0.790392	20.42937	20.85457	53.73185	27.4817	1388.74
791.913	-2610.6	389.3999	0.339391	18.74676	187.4676	55.46927	0.047918	0.420207	-0.286983	19.69745	20.80097	53.80234	27.5502	1388.74
793.3273	-2611.08	388.9199	0.409997	22.29348	222.9348	55.41723	0.047794	0.420123	-0.035136	19.22811	20.78146	53.875	27.57055	1388.74
794.7415	-2611.66	388.3401	0.37478	20.54501	205.4501	55.41086	0.04775	0.420093	-0.159114	19.45746	20.77907	53.94812	27.57171	1388.74
796.1558	-2612.19	387.8101	0.318158	17.64886	176.4886	55.38198	0.047744	0.420089	-0.364251	19.79073	20.76824	54.02018	27.58584	1388.74
797.57	-2612.64	387.3601	0.31833	17.65784	176.5784	55.31584	0.047719	0.420072	-0.363555	19.76611	20.74344	54.09169	27.6177	1388.74
798.9842	-2613.09	386.9099	0.417075	22.63978	226.3978	55.24974	0.047662	0.420033	-0.010238	19.12214	20.71865	54.16442	27.64818	1388.74
800.3985	-2613.68	386.3201	0.388936	21.25285	212.5285	55.24787	0.047605	0.419994	-0.108546	19.30892	20.71795	54.23802	27.64655	1388.74
801.8127	-2614.23	385.77	0.445559	24.01578	240.1578	55.22812	0.047604	0.419993	0.087573	18.9177	20.71054	54.31201	27.65637	1388.74
803.227	-2614.86	385.1399	0.424153	22.98435	229.8435	55.24406	0.047587	0.419981	0.014401	19.07187	20.71652	54.38647	27.64762	1388.74
804.6412	-2615.46	384.54	0.431403	23.33551	233.3551	55.24668	0.0476	0.419991	0.039296	19.02284	20.71751	54.46072	27.64692	1388.74
806.0554	-2616.07	383.9299	0.502009	26.65705	266.5705	55.25384	0.047603	0.419992	0.274871	18.5178	20.72019	54.53606	27.64345	1388.74
807.4697	-2616.78	383.22	0.53032	27.93791	279.3791	55.30387	0.047609	0.419996	0.365498	18.32195	20.73895	54.61284	27.61872	1388.74
808.8839	-2617.53	382.47	0.643398	32.75713	327.5713	55.37033	0.047652	0.420026	0.704435	17.46183	20.76387	54.69188	27.5875	1388.74
810.2981	-2618.44	381.5601	0.390141	21.31278	213.1278	55.49828	0.047709	0.420065	-0.104542	19.38853	20.81185	54.76864	27.52647	1388.74
811.2981	-2618.83	381.1699	0.254457	14.27634	142.7634	55.48488	0.047819	0.42014	-0.602125	20.16427	20.80683	54.8192	27.53805	1388.74
812.7124	-2619.19	380.8101	0.282941	15.79838	157.9838	55.37574	0.047808	0.420132	-0.495034	19.98149	20.7659	54.88966	27.59181	1388.74
814.1266	-2619.59	380.4099	0.479985	25.64032	256.4032	55.28584	0.047714	0.420068	0.202563	18.69065	20.73219	54.9628	27.63245	1388.74
815.1266	-2620.07	379.9299	0.176773	10.0248	100.248	55.31189	0.047636	0.420015	-0.898231	20.42528	20.74196	55.01393	27.61595	1388.74
816.5408	-2620.32	379.6799	0.37478	20.54501	205.4501	55.14858	0.047659	0.420031	-0.158896	19.36536	20.68072	55.08501	27.69874	1388.74
817.9551	-2620.85	379.1499	0.346469	19.10961	191.0961	55.1196	0.047518	0.419934	-0.260314	19.53082	20.66985	55.15773	27.70695	1388.74
819.3693	-2621.34	378.6599	0.381686	20.89113	208.9113	55.07211	0.047493	0.419917	-0.133944	19.29437	20.65204	55.23058	27.72972	1388.74
820.7836	-2621.88	378.1201	0.346644	19.11857	191.1857	55.04765	0.047452	0.419889	-0.259519	19.50427	20.64287	55.30348	27.74019	1388.74
822.1978	-2622.37	377.6299	0.36753	20.17989	201.7989	55.00023	0.047431	0.419875	-0.184244	19.359	20.62509	55.37626	27.76314	1388.74
823.612	-2622.89	377.1101	0.424325	22.99274	229.9274	54.96655	0.04739	0.419847	0.01546	18.97489	20.61245	55.45005	27.77831	1388.74
825.0263	-2623.49	376.51	0.417247	22.64821	226.4821	54.96937	0.047361	0.419827	-0.008927	19.02394	20.61352	55.52448	27.77556	1388.74
826.4405	-2624.08	375.9199	0.43123	23.32717	233.2717	54.96774	0.047364	0.419829	0.039262	18.92798	20.6129	55.59901	27.7765	1388.74
827.8548	-2624.69	375.3101	0.417247	22.64821	226.4821	54.97492	0.047362	0.419828	-0.00893	19.02586	20.6156	55.67354	27.77281	1388.74
829.269	-2625.28	374.72	0.37478	20.54501	205.4501	54.97329	0.047369	0.419832	-0.158198	19.30381	20.61498	55.74733	27.77391	1388.74
830.6832	-2625.81	374.1899	0.339391	18.74676	187.4676	54.94435	0.047367	0.419831	-0.285646	19.51105	20.60413	55.8202	27.78848	1388.74
832.0975	-2626.29	373.71	0.367702	20.1886	201.886	54.89207	0.047342	0.419814	-0.183411	19.31985	20.58452	55.89304	27.81381	1388.74
833.5117	-2626.81	373.1899	0.367702	20.1886	201.886	54.85846	0.047297	0.419783	-0.183303	19.30802	20.57192	55.96627	27.8288	1388.74
834.926	-2627.33	372.6699	0.37478	20.54501	205.4501	54.82486	0.047268	0.419763	-0.157956	19.25168	20.55932	56.03962	27.84454	1388.74
836.3402	-2627.86	372.1399	0.381686	20.89113	208.9113	54.79589	0.047239	0.419743	-0.133334	19.19759	20.54846	56.11318	27.85795	1388.74
837.7544	-2628.4	371.6001	0.275863	15.42222	154.2222	54.77141	0.047214	0.419726	-0.52006	19.79971	20.53928	56.18571	27.86926	1388.74
839.1687	-2628.79	371.21	0.275691	15.41303	154.1303	54.67592	0.047193	0.419712	-0.520655	19.76606	20.50347	56.2572	27.91697	1388.74
840.5829	-2629.18	370.8201	0.544476	28.56722	285.6722	54.58016	0.047111	0.419655	0.411092	17.97577	20.46756	56.33214	27.96219	1388.74
841.9972	-2629.95	370.05	0.466792	25.0228	250.228	54.6559	0.047028	0.419598	0.160365	18.5722	20.49596	56.40953	27.91967	1388.74
843.4114	-2630.61	369.3899	0.374608	20.53634	205.3634	54.68541	0.047094	0.419643	-0.158151	19.20381	20.50703	56.48441	27.90758	1388.74
844.8256	-2631.14	368.8601	0.388939	21.25299	212.5299	54.65633	0.047119	0.419661	-0.107372	19.10216	20.49612	56.55825	27.9236	1388.74
846.2399	-2631.69	368.3101	0.332313	18.38233	183.8233	54.63657	0.047094	0.419644	-0.310778	19.44324	20.48871	56.63163	27.93255	1388.74
847.6541	-2632.16	367.8401	0.37478	20.54501	205.4501	54.57937	0.047077	0.419632	-0.157496	19.16548	20.46726	56.70489	27.96105	1388.74
849.0683	-2632.69	367.3101	0.417247	22.64821	226.4821	54.55035	0.047028	0.419598	-0.008135	18.87892	20.45638	56.77924	27.97366	1388.74
850.4826	-2633.28	366.72	0.43123	23.32717	233.2717	54.54885	0.047003	0.419581	0.040115	18.78373	20.45582	56.85434	27.97329	1388.74
851.8968	-2633.89	366.1101	0.381858	20.89976	208.9976	54.55624	0.047001	0.41958	-0.13215	19.11254	20.45859	56.92897	27.96944	1388.74
853.3111	-2634.43	365.5701	0.318158	17.64886	176.4886	54.53188	0.047008	0.419584	-0.362448	19.48695	20.44946	57.00225	27.98222	1388.74
854.7253	-2634.88	365.1201	0.297097	16.54651	165.4651	54.46504	0.046987	0.41957	-0.440256	19.57859	20.42439	57.07465	28.0156	1388.74
856.1395	-2635.3	364.7	0.268613	15.03546	150.3546	54.38375	0.046929	0.41953	-0.546566	19.69573	20.39391	57.14667	28.05483	1388.74
857.5538	-2635.68	364.3201	0.304175	16.91842	169.1842	54.28267	0.046859	0.419482	-0.413689	19.475	20.356	57.21888	28.10385	1388.74
858.968	-2636.11	363.8899	0.353547	19.47088	194.7088	54.20603	0.046772	0.419422	-0.232906	19.16477	20.32726	57.29208	28.13957	1388.74

860.3823	-2636.61	363.3899	0.402919	21.94544	219.4544	54.16282	0.046706	0.419377	-0.057245	18.83932	20.31106	57.36651	28.15897	1388.74
861.7965	-2637.18	362.8201	0.431403	23.33551	233.3551	54.15219	0.046669	0.419351	0.041497	18.64597	20.30707	57.44196	28.16277	1388.74
863.2107	-2637.79	362.21	0.55006	28.81343	288.1343	54.1599	0.04666	0.419345	0.429493	17.79546	20.30996	57.51958	28.15834	1388.74
864.2107	-2638.34	361.6599	0.134306	7.649412	76.49412	54.21629	0.046666	0.41935	-1.0594	20.15018	20.33111	57.57229	28.12936	1388.74
865.625	-2638.53	361.47	0.939951	43.22703	432.2703	54.01978	0.046715	0.419383	1.42241	14.76048	20.25742	57.65331	28.23394	1388.74
866.625	-2639.47	360.53	0.275863	15.42222	154.2222	54.20702	0.046546	0.419266	-0.518399	19.59568	20.32763	57.71152	28.12859	1388.74
868.0392	-2639.86	360.1399	0.21199	11.96894	119.6894	54.11084	0.046707	0.419377	-0.760796	19.85043	20.29157	57.78323	28.18605	1388.74
869.4534	-2640.16	359.8401	0.31833	17.65784	176.5784	53.96944	0.046624	0.41932	-0.36087	19.285	20.23854	57.8555	28.25606	1388.74
870.8677	-2640.61	359.3899	0.346469	19.10961	191.0961	53.9022	0.046502	0.419237	-0.257841	19.09945	20.21332	57.92919	28.28565	1388.74
872.2819	-2641.1	358.8999	0.360625	19.83055	198.3055	53.85409	0.046444	0.419197	-0.20662	18.9977	20.19528	58.00343	28.30822	1388.74
873.6962	-2641.61	358.3899	0.332313	18.38233	183.8233	53.81551	0.046403	0.419168	-0.309086	19.15105	20.18081	58.07758	28.32659	1388.74
875.1104	-2642.08	357.9199	0.296924	16.53742	165.3742	53.75775	0.04637	0.419145	-0.43937	19.32525	20.15915	58.15109	28.35547	1388.74
876.5246	-2642.5	357.5	0.339391	18.74676	187.4676	53.67555	0.04632	0.419111	-0.283089	19.06049	20.12833	58.22477	28.39657	1388.74
877.9389	-2642.98	357.02	0.353547	19.47088	194.7088	53.62251	0.046249	0.419062	-0.231632	18.95846	20.10844	58.29917	28.42134	1388.74
879.3531	-2643.48	356.52	0.353547	19.47088	194.7088	53.57907	0.046203	0.41903	-0.23152	18.9431	20.09215	58.3738	28.44225	1388.74
880.7674	-2643.98	356.02	0.332316	18.38245	183.8245	53.53561	0.046166	0.419005	-0.308496	19.05144	20.07585	58.44824	28.46358	1388.74
882.1816	-2644.45	355.55	0.37478	20.54501	205.4501	53.47766	0.046128	0.418979	-0.155202	18.77862	20.05412	58.52301	28.49266	1388.74
883.5958	-2644.98	355.02	0.353547	19.47088	194.7088	53.44847	0.046078	0.418944	-0.231216	18.89693	20.04318	58.59808	28.50588	1388.74
885.0101	-2645.48	354.52	0.388936	21.25285	212.5285	53.40497	0.046053	0.418927	-0.104817	18.66483	20.02686	58.67339	28.52792	1388.74
886.4243	-2646.03	353.97	0.346469	19.10961	191.0961	53.38523	0.046016	0.418901	-0.256652	18.91627	20.01946	58.74865	28.5367	1388.74
887.8385	-2646.52	353.48	0.396014	21.60425	216.0425	53.33688	0.045999	0.418889	-0.079757	18.59622	20.00133	58.82405	28.56177	1388.74
889.2528	-2647.08	352.9199	0.309818	17.2139	172.139	53.32184	0.045957	0.41886	-0.390594	19.10002	19.99569	58.89908	28.56786	1388.74
890.2528	-2647.39	352.6101	0.340091	18.78272	187.8272	53.26975	0.045944	0.418852	-0.279622	18.91235	19.97616	58.9517	28.59518	1388.74
891.2528	-2647.73	352.27	0.350105	19.29539	192.9539	53.23242	0.045899	0.41882	-0.24321	18.84084	19.96216	59.00467	28.61311	1388.74
892.2527	-2648.08	351.9199	0.31108	17.27986	172.7986	53.19994	0.045867	0.418798	-0.385713	19.04954	19.94998	59.05746	28.62907	1388.74
893.667	-2648.52	351.48	0.332313	18.38233	183.8233	53.12702	0.045839	0.418779	-0.307701	18.90605	19.92263	59.13198	28.66703	1388.74
895.0812	-2648.99	351.01	0.353547	19.47088	194.7088	53.06877	0.045776	0.418735	-0.230477	18.76268	19.90079	59.20706	28.69552	1388.74
896.4955	-2649.49	350.51	0.350101	19.29521	192.9521	53.0251	0.045726	0.418701	-0.242798	18.76748	19.88441	59.28243	28.71677	1388.74
897.4955	-2649.84	350.1599	0.359867	19.79212	197.9212	52.99254	0.045688	0.418675	-0.207502	18.6983	19.8722	59.33581	28.73263	1388.74
898.4954	-2650.2	349.8	0.330085	18.26727	182.6727	52.96469	0.04566	0.418655	-0.315401	18.86082	19.86176	59.38906	28.7464	1388.74
899.4954	-2650.53	349.47	0.282768	15.78922	157.8922	52.92235	0.045636	0.418639	-0.490289	19.09708	19.84588	59.44175	28.76826	1388.74
900.9097	-2650.93	349.0701	0.339391	18.74676	187.4676	52.82918	0.0456	0.418613	-0.281323	18.75994	19.81094	59.51646	28.81726	1388.74
902.3239	-2651.41	348.5901	0.346469	19.10961	191.0961	52.77562	0.04552	0.418558	-0.255436	18.70026	19.79086	59.59197	28.84267	1388.74
903.7381	-2651.9	348.1001	0.297097	16.54651	165.4651	52.72695	0.045474	0.418526	-0.436502	18.9538	19.77261	59.66709	28.86709	1388.74
905.1524	-2652.32	347.6799	0.332313	18.38233	183.8233	52.64369	0.045432	0.418497	-0.306696	18.73405	19.74138	59.74214	28.91073	1388.74
906.5666	-2652.79	347.21	0.396014	21.60425	216.0425	52.5851	0.04536	0.418447	-0.078214	18.33411	19.71941	59.81844	28.9395	1388.74
907.9809	-2653.35	346.6499	0.395841	21.5957	215.957	52.57014	0.045309	0.418412	-0.078699	18.32998	19.7138	59.89559	28.94531	1388.74
909.3951	-2653.91	346.0901	0.31833	17.65784	176.5784	52.55509	0.045296	0.418403	-0.357592	18.77961	19.70816	59.97181	28.95299	1388.74
910.8093	-2654.36	345.6399	0.296924	16.53742	165.3742	52.48666	0.045283	0.418394	-0.436669	18.86831	19.6825	60.04694	28.99011	1388.74
912.2236	-2654.78	345.22	0.353547	19.47088	194.7088	52.40299	0.045225	0.418353	-0.229125	18.52729	19.65112	60.12258	29.03356	1388.74
913.6378	-2655.28	344.72	0.318158	17.64886	176.4886	52.35902	0.045152	0.418303	-0.357869	18.71048	19.63463	60.19853	29.05446	1388.74
915.0521	-2655.73	344.27	0.381858	20.89976	208.9976	52.29028	0.045115	0.418277	-0.127584	18.31871	19.60886	60.27492	29.09082	1388.74
916.4663	-2656.27	343.73	0.353547	19.47088	194.7088	52.26574	0.045055	0.418235	-0.228709	18.47877	19.59965	60.35178	29.10162	1388.74
917.8805	-2656.77	343.23	0.346471	19.10974	191.0974	52.22174	0.045034	0.418221	-0.254233	18.50399	19.58315	60.42826	29.12512	1388.74
919.2948	-2657.26	342.74	0.381858	20.89976	208.9976	52.17278	0.044996	0.418194	-0.127296	18.27754	19.56479	60.50516	29.15061	1388.74
920.709	-2657.8	342.2	0.388936	21.25285	212.5285	52.14824	0.044954	0.418165	-0.102154	18.22561	19.55559	60.58265	29.16228	1388.74
922.1233	-2658.35	341.6499	0.388763	21.24426	212.4426	52.12854	0.044933	0.41815	-0.102712	18.21979	19.5482	60.66026	29.17228	1388.74
923.5375	-2658.9	341.1001	0.346469	19.10961	191.0961	52.10872	0.044916	0.418139	-0.253951	18.46396	19.54077	60.73736	29.18255	1388.74
924.9517	-2659.39	340.6101	0.339564	18.75562	187.5562	52.05971	0.044899	0.418127	-0.278967	18.48573	19.52239	60.81391	29.20919	1388.74
926.366	-2659.87	340.1299	0.409997	22.29348	222.9348	52.00582	0.044857	0.418097	-0.028106	18.04445	19.50218	60.89134	29.2374	1388.74
927.7802	-2660.45	339.55	0.452637	24.35325	243.5325	52.00039	0.04481	0.418065	0.118108	17.76503	19.50015	60.97033	29.2382	1388.74
929.1945	-2661.09	338.9099	0.353547	19.47088	194.7088	52.02323	0.044806	0.418062	-0.228095	18.39303	19.50871	61.04855	29.22513	1388.74
930.6087	-2661.59	338.4099	0.452464	24.34504	243.4504	51.97913	0.044825	0.418075	0.11749	17.75892	19.49218	61.12679	29.25088	1388.74
932.0229	-2662.23	337.77	0.318158	17.64886	176.4886	52.00187	0.044787	0.418049	-0.356961	18.58285	19.5007	61.20462	29.23625	1388.74
933.4372	-2662.68	337.3201	0.297097	16.54651	165.4651	51.93283	0.044807	0.418063	-0.434837	18.66834	19.47481	61.28055	29.27607	1388.74
934.8514	-2663.1	336.8999	0.381686	20.89113	208.9113	51.84863	0.044747	0.418021	-0.127301	18.16503	19.44323	61.35734	29.32071	1388.74
936.2657	-2663.64	336.3601	0.353547	19.47088	194.7088	51.82393	0.044675	0.417971	-0.227773	18.32257	19.43398	61.43486	29.33113	1388.74
937.6799	-2664.14	335.8601	0.396014	21.60425	216.0425	51.77973	0.044654	0.417956	-0.076502	18.05331	19.4174	61.51262	29.35513	1388.74
939.0941	-2664.7	335.3	0.381858	20.89976	208.9976	51.76487	0.044615	0.417929	-0.126367	18.13465	19.41183	61.59078	29.36169	1388.74
940.5084	-2665.24	334.76	0.353547	19.47088	194.7088	51.74032	0.044603	0.41792	-0.227595	18.29301	19.40262	61.66843	29.375	1388.74

941.9226	-2665.74	334.26	0.339394	18.74688	187.4688	51.69609	0.044581	0.417906	-0.278801	18.35756	19.38603	61.7456	29.39909	1388.74
943.3368	-2666.22	333.78	0.31108	17.27986	172.7986	51.64185	0.044543	0.417879	-0.382421	18.49163	19.36569	61.82236	29.4281	1388.74
944.7511	-2666.66	333.3401	0.353547	19.47088	194.7088	51.56738	0.044497	0.417846	-0.227334	18.23186	19.33777	61.89938	29.4683	1388.74
946.1653	-2667.16	332.8401	0.431403	23.33551	233.3551	51.52304	0.044432	0.417802	0.046833	17.74069	19.32114	61.97801	29.4905	1388.74
947.5796	-2667.77	332.23	0.424325	22.99274	229.9274	51.53218	0.044394	0.417775	0.022612	17.78932	19.32457	62.05762	29.48339	1388.74
948.9938	-2668.37	331.6299	0.304002	16.90937	169.0937	51.5366	0.044402	0.417781	-0.408223	18.49067	19.32622	62.13558	29.48125	1388.74
950.408	-2668.8	331.2	0.325235	18.01636	180.1636	51.45693	0.044406	0.417783	-0.330037	18.35022	19.29635	62.21235	29.52708	1388.74
951.8223	-2669.26	330.74	0.346469	19.10961	191.0961	51.39243	0.044337	0.417735	-0.252522	18.21015	19.27216	62.28972	29.56075	1388.74
953.2365	-2669.75	330.25	0.41017	22.30194	223.0194	51.34302	0.044282	0.417696	-0.026115	17.8134	19.25363	62.36824	29.58645	1388.74
954.6508	-2670.33	329.6699	0.402919	21.94544	219.4544	51.3379	0.044239	0.417667	-0.051296	17.85674	19.25171	62.44753	29.58729	1388.74
956.065	-2670.9	329.1001	0.353547	19.47088	194.7088	51.32785	0.044235	0.417664	-0.226688	18.14717	19.24794	62.52609	29.59286	1388.74
957.4792	-2671.4	328.6001	0.282941	15.79838	157.9838	51.28344	0.044226	0.417658	-0.486104	18.50484	19.23129	62.60326	29.61806	1388.74
958.8935	-2671.8	328.2	0.289846	16.16403	161.6403	51.18811	0.044188	0.417631	-0.460249	18.43672	19.19554	62.67983	29.67132	1388.74
960.3077	-2672.21	327.79	0.318158	17.64886	176.4886	51.09769	0.044106	0.417573	-0.355262	18.25974	19.16163	62.75691	29.71974	1388.74
961.722	-2672.66	327.3401	0.353547	19.47088	194.7088	51.02777	0.044028	0.417519	-0.226176	18.04108	19.13541	62.83483	29.75658	1388.74
963.1362	-2673.16	326.8401	0.37478	20.54501	205.4501	50.98319	0.043967	0.417477	-0.149928	17.90269	19.1187	62.91352	29.77959	1388.74
964.5504	-2673.69	326.3101	0.396017	21.60439	216.0439	50.95362	0.043929	0.41745	-0.074728	17.76526	19.10761	62.99282	29.79496	1388.74
965.9647	-2674.25	325.75	0.290042	16.17438	161.7438	50.93887	0.043904	0.417432	-0.458804	18.34598	19.10207	63.07114	29.80231	1388.74
966.9647	-2674.54	325.46	0.250003	14.03638	140.3638	50.87482	0.043891	0.417423	-0.609082	18.50842	19.07806	63.12541	29.8392	1388.74
967.9647	-2674.79	325.21	0.445386	24.00753	240.0753	50.78968	0.043836	0.417385	0.095922	17.39849	19.04613	63.18111	29.88645	1388.74
969.3789	-2675.42	324.5801	0.141557	8.057076	80.57076	50.80868	0.043762	0.417333	-1.023953	18.86518	19.05325	63.25911	29.8716	1388.74
970.7931	-2675.62	324.3799	0.459966	24.7008	247.008	50.606	0.043779	0.417345	0.145205	17.24088	18.97725	63.33745	29.99206	1388.74
971.7931	-2676.08	323.9199	0.349861	19.28293	192.8293	50.6264	0.043604	0.417222	-0.238435	17.91984	18.9849	63.39433	29.97118	1388.74
972.7931	-2676.43	323.5701	0.37478	20.54501	205.4501	50.59291	0.043622	0.417235	-0.149078	17.76564	18.97234	63.45037	29.9919	1388.74
974.2073	-2676.96	323.04	0.250003	14.03638	140.3638	50.56328	0.043593	0.417214	-0.608322	18.39508	18.96123	63.52859	30.00802	1388.74
975.2073	-2677.21	322.79	0.325235	18.01636	180.1636	50.47773	0.043567	0.417196	-0.327945	18.00102	18.92915	63.58354	30.05759	1388.74
976.6216	-2677.67	322.3301	0.09909	5.658952	56.58952	50.41239	0.043494	0.417145	-1.186893	18.81251	18.90465	63.66037	30.09282	1388.74
978.0358	-2677.81	322.1899	0.212163	11.9784	119.784	50.17562	0.043437	0.417105	-0.7518	18.40616	18.81586	63.73637	30.23196	1388.74
979.4501	-2678.11	321.8899	0.296924	16.53742	165.3742	50.02493	0.043233	0.416962	-0.431521	17.98335	18.75935	63.8141	30.31261	1388.74
980.8643	-2678.53	321.47	0.360625	19.83055	198.3055	49.93818	0.043103	0.416871	-0.198415	17.61632	18.72682	63.89355	30.35861	1388.74
982.2785	-2679.04	320.96	0.360625	19.83055	198.3055	49.89822	0.043029	0.416818	-0.198229	17.60222	18.71183	63.97386	30.37909	1388.74
983.6928	-2679.55	320.45	0.374783	20.54514	205.4514	49.85827	0.042994	0.416794	-0.14752	17.50766	18.69685	64.05442	30.40167	1388.74
985.107	-2680.08	319.9199	0.332313	18.38233	183.8233	49.82851	0.04296	0.416769	-0.30055	17.73222	18.68569	64.13469	30.41805	1388.74
986.5212	-2680.55	319.45	0.31108	17.27986	172.7986	49.76785	0.042934	0.416751	-0.378383	17.8206	18.66295	64.21424	30.45381	1388.74
987.9355	-2680.99	319.01	0.318158	17.64886	176.4886	49.69139	0.042882	0.416715	-0.352193	17.7572	18.63427	64.29374	30.49798	1388.74
989.3497	-2681.44	318.5601	0.31108	17.27986	172.7986	49.62011	0.042816	0.416668	-0.378085	17.7677	18.60754	64.37336	30.53838	1388.74
990.764	-2681.88	318.1201	0.31833	17.65784	176.5784	49.54348	0.042755	0.416625	-0.351238	17.70346	18.57881	64.4531	30.58244	1388.74
992.1782	-2682.33	317.6699	0.31108	17.27986	172.7986	49.47219	0.042689	0.416578	-0.377764	17.71473	18.55207	64.53296	30.62309	1388.74
993.5924	-2682.77	317.23	0.275691	15.41303	154.1303	49.39539	0.042627	0.416535	-0.509171	17.85708	18.52327	64.61248	30.66751	1388.74
995.0067	-2683.16	316.8401	0.290019	16.17315	161.7315	49.29173	0.042561	0.416488	-0.455491	17.75286	18.4844	64.69191	30.72856	1388.74
996.4209	-2683.57	316.4299	0.289846	16.16403	161.6403	49.1988	0.042472	0.416425	-0.455907	17.72021	18.44955	64.77164	30.78194	1388.74
997.8352	-2683.98	316.02	0.289846	16.16403	161.6403	49.1056	0.042392	0.416369	-0.455703	17.68665	18.4146	64.85153	30.83617	1388.74
999.2494	-2684.39	315.6101	0.300052	16.70197	167.0197	49.01227	0.042311	0.416312	-0.417583	17.60422	18.3796	64.93168	30.89068	1388.74
1000.249	-2684.69	315.3101	0.25464	14.28621	142.8621	48.95169	0.042231	0.416255	-0.587313	17.7892	18.35688	64.98818	30.92468	1388.74
1001.664	-2685.05	314.95	0.318171	17.64957	176.4957	48.83103	0.042179	0.416218	-0.350369	17.44969	18.31164	65.06845	30.99834	1388.74
1003.078	-2685.5	314.5	0.318171	17.64957	176.4957	48.75888	0.042075	0.416145	-0.350106	17.4239	18.28458	65.14955	31.03873	1388.74
1004.492	-2685.95	314.05	0.268797	15.0453	150.453	48.68667	0.042013	0.416101	-0.533454	17.63165	18.2575	65.23023	31.08148	1388.74
1005.906	-2686.33	313.6699	0.289861	16.16479	161.6479	48.57648	0.04195	0.416056	-0.454525	17.496	18.21618	65.31075	31.14868	1388.74
1007.32	-2686.74	313.26	0.296937	16.53808	165.3808	48.48239	0.041855	0.415989	-0.427978	17.42876	18.1809	65.39173	31.20408	1388.74
1008.734	-2687.16	312.8401	0.261719	14.66641	146.6641	48.39361	0.041774	0.415932	-0.559456	17.55629	18.14761	65.47258	31.257	1388.74
1010.149	-2687.53	312.47	0.289859	16.16468	161.6468	48.27736	0.041698	0.415877	-0.453888	17.38828	18.10401	65.55352	31.32819	1388.74
1011.563	-2687.94	312.0601	0.318171	17.64957	176.4957	48.18281	0.041598	0.415806	-0.348898	17.21804	18.06855	65.63525	31.38429	1388.74
1012.977	-2688.39	311.6101	0.388952	21.25367	212.5367	48.10999	0.041516	0.415748	-0.09365	16.81416	18.04125	65.71835	31.42742	1388.74
1014.391	-2688.94	311.0601	0.36064	19.83133	198.3133	48.09042	0.041453	0.415704	-0.194244	16.96441	18.03391	65.80209	31.43684	1388.74
1015.805	-2689.45	310.55	0.339406	18.74749	187.4749	48.0498	0.041437	0.415692	-0.270896	17.06268	18.01867	65.88521	31.46251	1388.74
1017.22	-2689.93	310.0701	0.332327	18.38306	183.8306	47.9931	0.041402	0.415667	-0.296575	17.07899	17.99741	65.96805	31.49779	1388.74
1018.634	-2690.4	309.6001	0.311266	17.28957	172.8957	47.93096	0.041353	0.415632	-0.373691	17.16195	17.97411	66.05065	31.536	1388.74
1020.048	-2690.84	309.1599	0.339406	18.74749	187.4749	47.85255	0.041299	0.415594	-0.270549	16.99264	17.94471	66.13346	31.58477	1388.74
1021.462	-2691.32	308.6799	0.261546	14.65715	146.5715	47.7957	0.041232	0.415546	-0.558707	17.34011	17.92339	66.21584	31.61869	1388.74
1022.876	-2691.69	308.3101	0.297109	16.54717	165.4717	47.67814	0.041183	0.415511	-0.425619	17.13884	17.8793	66.29787	31.69398	1388.74

1024.29	-2692.11	307.8899	0.28278	15.78986	157.8986	47.58837	0.041081	0.415439	-0.478698	17.17225	17.84564	66.38031	31.74826	1388.74
1025.705	-2692.51	307.49	0.28278	15.78986	157.8986	47.48721	0.041004	0.415384	-0.4785	17.13575	17.8077	66.46275	31.81167	1388.74
1027.119	-2692.91	307.0901	0.268797	15.0453	47.38588	0.040917	0.415322	-0.530634		17.16057	17.7697	66.54521	31.87493	1388.74
1028.533	-2693.29	306.71	0.296937	16.53808	165.3808	47.27326	0.04083	0.415259	-0.425355	16.9941	17.72747	66.62803	31.94607	1388.74
1029.947	-2693.71	306.29	0.296937	16.53808	165.3808	47.18278	0.040732	0.41519	-0.425106	16.96157	17.69354	66.71132	32.00199	1388.74
1031.361	-2694.13	305.8701	0.282953	15.79902	157.9902	47.09217	0.040655	0.415135	-0.476955	16.99243	17.65957	66.79462	32.05927	1388.74
1032.776	-2694.53	305.47	0.289859	16.16468	161.6468	46.99032	0.040576	0.415079	-0.451012	16.92472	17.62137	66.87801	32.12444	1388.74
1034.19	-2694.94	305.0601	0.304187	16.9191	169.191	46.8938	0.040489	0.415016	-0.397618	16.82403	17.58518	66.96182	32.18569	1388.74
1035.604	-2695.37	304.6299	0.275702	15.41365	154.1365	46.80853	0.040406	0.414957	-0.503421	16.92185	17.5532	67.04563	32.2397	1388.74
1037.018	-2695.76	304.24	0.339405	18.74749	187.4749	46.70038	0.040332	0.414904	-0.268098	16.58349	17.51264	67.13005	32.31028	1388.74
1038.432	-2696.24	303.76	0.367718	20.18939	201.8939	46.64264	0.040239	0.414837	-0.16584	16.41629	17.49099	67.21575	32.34507	1388.74
1039.846	-2696.76	303.24	0.339405	18.74749	187.4749	46.60689	0.040189	0.414802	-0.267735	16.5503	17.47758	67.30155	32.3671	1388.74
1041.261	-2697.24	302.76	0.445578	24.01668	240.1668	46.54912	0.040158	0.41478	0.105494	15.94471	17.45592	67.38859	32.40554	1388.74
1042.675	-2697.87	302.1299	0.183686	10.40843	104.0843	46.57191	0.040109	0.414744	-0.852208	17.17709	17.46447	67.47398	32.3869	1388.74
1044.089	-2698.13	301.8701	0.162797	9.246478	92.46478	46.38789	0.040128	0.414758	-0.932575	17.16943	17.39546	67.55633	32.51648	1388.74
1045.503	-2698.36	301.6399	0.431249	23.32806	233.2806	46.18572	0.03997	0.414644	0.057176	15.90381	17.31964	67.64185	32.64987	1388.74
1046.917	-2698.97	301.03	0.346484	19.11036	191.1036	46.19817	0.039795	0.414519	-0.241073	16.36956	17.32431	67.72949	32.63122	1388.74
1048.332	-2699.46	300.54	0.296937	16.53808	165.3808	46.14569	0.039806	0.414527	-0.422721	16.58875	17.30463	67.8153	32.66894	1388.74
1049.746	-2699.88	300.1201	0.282953	15.79902	157.9902	46.05357	0.039761	0.414494	-0.474646	16.61767	17.27009	67.90048	32.73172	1388.74
1051.16	-2700.28	299.72	0.275702	15.41365	154.1365	45.94992	0.039682	0.414437	-0.501544	16.61145	17.23122	67.98559	32.80104	1388.74
1052.574	-2700.67	299.3301	0.311266	17.28957	172.8957	45.84016	0.039592	0.414373	-0.369183	16.41333	17.19006	68.07124	32.87449	1388.74
1053.988	-2701.11	298.8899	0.339406	18.74749	187.4749	45.75917	0.039498	0.414305	-0.265972	16.24927	17.15969	68.15783	32.92727	1388.74
1055.402	-2701.59	298.4099	0.304015	16.91005	169.1005	45.70071	0.039428	0.414255	-0.395526	16.39678	17.13777	68.24447	32.96539	1388.74
1056.817	-2702.02	297.98	0.318171	17.64957	176.4957	45.61368	0.039378	0.414219	-0.343225	16.29997	17.10513	68.33097	33.0254	1388.74
1058.231	-2702.47	297.53	0.275875	15.42284	154.2284	45.53801	0.039303	0.414165	-0.499912	16.46181	17.07675	68.4173	33.07596	1388.74
1059.645	-2702.86	297.1399	0.261546	14.65715	146.5715	45.42761	0.039237	0.414118	-0.553525	16.48098	17.03535	68.50316	33.15258	1388.74
1061.059	-2703.23	296.77	0.268797	15.0453	150.453	45.30508	0.039142	0.414049	-0.526025	16.40702	16.9894	68.58916	33.23674	1388.74
1062.473	-2703.61	296.3899	0.176781	10.02522	100.2522	45.18831	0.039037	0.413973	-0.875889	16.68688	16.94562	68.67462	33.31649	1388.74
1063.887	-2703.86	296.1399	0.296937	16.53808	165.3808	44.99339	0.038936	0.4139	-0.420469	16.17452	16.87252	68.76069	33.45496	1388.74
1065.302	-2704.28	295.72	0.254468	14.27692	142.7692	44.89941	0.038768	0.413779	-0.578966	16.31726	16.83728	68.84774	33.51516	1388.74
1066.716	-2704.64	295.3601	0.3325	18.39197	183.9197	44.76974	0.038687	0.41372	-0.289019	15.93109	16.78865	68.93545	33.60748	1388.74
1068.13	-2705.11	294.8899	0.289859	16.16468	161.6468	44.70482	0.038575	0.41364	-0.445828	16.10154	16.76431	69.02374	33.64971	1388.74
1069.544	-2705.52	294.48	0.209953	11.85717	118.5717	44.60453	0.038519	0.413599	-0.74738	16.3698	16.7267	69.11085	33.72206	1388.74
1070.544	-2705.73	294.27	0.229969	12.95108	129.5108	44.48537	0.038433	0.413537	-0.670867	16.25765	16.68201	69.17215	33.80727	1388.74
1071.544	-2705.96	294.04	0.280015	15.64306	156.4306	44.37813	0.03833	0.413462	-0.48189	16.02539	16.6418	69.2341	33.88288	1388.74
1072.544	-2706.24	293.76	0.320056	17.74756	177.4756	44.3009	0.038238	0.413395	-0.333366	15.82221	16.61284	69.2969	33.93644	1388.74
1073.544	-2706.56	293.4399	0.310043	17.22569	172.2569	44.24739	0.038171	0.413347	-0.370013	15.84851	16.59277	69.36006	33.97352	1388.74
1074.544	-2706.87	293.1299	0.28978	16.16055	161.6055	44.18792	0.038125	0.413313	-0.444944	15.9157	16.57047	69.42302	34.01648	1388.74
1075.544	-2707.16	292.8401	0.259999	14.57418	145.7418	44.11631	0.038074	0.413276	-0.556293	16.01129	16.54362	69.48567	34.06863	1388.74
1076.545	-2707.42	292.5801	0.180167	10.21323	102.1323	44.02664	0.038012	0.413231	-0.860144	16.24838	16.50999	69.54767	34.13432	1388.74
1077.545	-2707.6	292.3999	0.169703	9.631492	96.31492	43.88771	0.037935	0.413175	-0.900152	16.2259	16.45789	69.60926	34.23773	1388.74
1078.959	-2707.84	292.1599	0.219077	12.35697	123.5697	43.68145	0.037815	0.413088	-0.710687	16.00106	16.38054	69.69702	34.39215	1388.74
1080.373	-2708.15	291.8501	0.21925	12.36641	123.6641	43.51783	0.037638	0.412959	-0.709556	15.94055	16.31919	69.78557	34.51065	1388.74
1081.787	-2708.46	291.54	0.25464	14.28621	142.8621	43.35386	0.037497	0.412856	-0.574962	15.75493	16.2577	69.87481	34.63256	1388.74
1083.201	-2708.82	291.1799	0.259997	14.57404	145.7404	43.22049	0.037355	0.412753	-0.554405	15.68617	16.20768	69.96476	34.73076	1388.74
1084.201	-2709.08	290.9199	0.240312	13.51261	135.1261	43.12927	0.03724	0.41267	-0.628451	15.72577	16.17348	70.02844	34.79715	1388.74
1085.616	-2709.42	290.5801	0.318344	17.65855	176.5855	42.98274	0.037162	0.412612	-0.33685	15.35904	16.11853	70.11942	34.91093	1388.74
1087.03	-2709.87	290.1299	0.289859	16.16468	161.6468	42.90393	0.037036	0.41252	-0.441795	15.4529	16.08897	70.21122	34.96724	1388.74
1088.444	-2710.28	289.72	0.261546	14.65715	146.5715	42.80037	0.036968	0.41247	-0.547548	15.52782	16.05014	70.30251	35.04762	1388.74
1089.858	-2710.65	289.3501	0.229971	12.9512	129.512	42.67172	0.036878	0.412405	-0.666723	15.59483	16.00189	70.39339	35.14773	1388.74
1090.858	-2710.88	289.1201	0.230213	12.96436	129.6436	42.56061	0.036768	0.412324	-0.665508	15.5534	15.96023	70.4576	35.23255	1388.74
1091.858	-2711.11	288.8899	0.240312	13.51261	135.1261	42.44941	0.036672	0.412254	-0.626935	15.47788	15.91853	70.52206	35.31884	1388.74
1093.272	-2711.45	288.55	0.240484	13.52196	135.2196	42.30089	0.036576	0.412184	-0.626025	15.42312	15.86283	70.61359	35.43682	1388.74
1094.687	-2711.79	288.21	0.261546	14.65715	146.5715	42.15206	0.036448	0.41209	-0.546168	15.29262	15.80702	70.70567	35.55384	1388.74
1096.101	-2712.16	287.8401	0.290031	16.17381	161.7381	42.02176	0.03632	0.411996	-0.439265	15.13447	15.75816	70.79862	35.65594	1388.74
1097.515	-2712.57	287.4299	0.28278	15.78986	157.8986	41.91663	0.036208	0.411913	-0.465976	15.12561	15.71874	70.89209	35.73821	1388.74
1098.929	-2712.97	287.03	0.289859	16.16468	161.6468	41.80484	0.036117	0.411847	-0.43937	15.05704	15.67681	70.9858	35.82799	1388.74
1100.343	-2713.38	286.6201	0.297109	16.54717	165.4717	41.69915	0.036021	0.411776	-0.412191	14.98958	15.63718	71.07993	35.91262	1388.74
1101.757	-2713.8	286.2	0.28278	15.78986	157.8986	41.59974	0.03593	0.411709	-0.465238	15.01126	15.5999	71.17421	35.99258	1388.74
1103.172	-2714.2	285.8	0.282953	15.79902	157.9902	41.48727	0.035844	0.411646	-0.464367	14.97	15.55773	71.26855	36.08463	1388.74



1104.586	-2714.6	285.3999	0.289859	16.16468	161.6468	41.37471	0.035747	0.411574	-0.43839	14.90212	15.51552	71.36323	36.17652	1388.74
1106	-2715.01	284.99	0.275702	15.41365	154.1365	41.26816	0.03565	0.411503	-0.490936	14.91894	15.47556	71.45807	36.26363	1388.74
1107.414	-2715.4	284.6001	0.275875	15.42284	154.2284	41.14852	0.035558	0.411435	-0.490045	14.87503	15.4307	71.553	36.36308	1388.74
1108.828	-2715.79	284.21	0.28278	15.78986	157.8986	41.02876	0.035455	0.411359	-0.463976	14.80522	15.38579	71.6483	36.46248	1388.74
1110.242	-2716.19	283.8101	0.247562	13.90471	139.0471	40.91504	0.035352	0.411283	-0.595962	14.89353	15.34314	71.74353	36.55706	1388.74
1111.657	-2716.54	283.46	0.209953	11.85717	118.5717	40.76856	0.035254	0.411211	-0.738614	14.962	15.28821	71.83827	36.68195	1388.74
1112.657	-2716.75	283.25	0.199941	11.30669	113.0669	40.63972	0.035128	0.411117	-0.776541	14.94412	15.23989	71.90515	36.78989	1388.74
1113.657	-2716.95	283.05	0.199941	11.30669	113.0669	40.50383	0.035017	0.411035	-0.776239	14.89415	15.18894	71.97218	36.90594	1388.74
1114.657	-2717.15	282.8501	0.180169	10.21333	102.1333	40.36755	0.0349	0.410948	-0.851711	14.89796	15.13783	72.03931	37.02273	1388.74
1115.657	-2717.33	282.6699	0.233233	13.12859	131.2859	40.2175	0.034782	0.410861	-0.648695	14.68737	15.08156	72.10692	37.15298	1388.74
1117.071	-2717.66	282.3401	0.280015	15.64306	156.4306	40.0553	0.034653	0.410766	-0.472152	14.46437	15.02074	72.20394	37.29473	1388.74
1118.071	-2717.94	282.0601	0.280015	15.64306	156.4306	39.97147	0.034513	0.410662	-0.471778	14.4341	14.9893	72.27315	37.36351	1388.74
1119.071	-2718.22	281.78	0.229971	12.9512	129.512	39.88753	0.034441	0.410608	-0.660156	14.57732	14.95783	72.34209	37.43724	1388.74
1120.071	-2718.45	281.55	0.199941	11.30669	113.0669	39.76984	0.034369	0.410554	-0.774471	14.62424	14.91369	72.41058	37.54312	1388.74
1121.071	-2718.65	281.3501	0.183859	10.418	104.18	39.63135	0.034267	0.410479	-0.835815	14.61676	14.86176	72.47898	37.66739	1388.74
1122.485	-2718.91	281.0901	0.120328	6.861322	68.61322	39.41926	0.034148	0.41039	-1.079942	14.67636	14.78222	72.57554	37.86186	1388.74
1123.9	-2719.08	280.9199	0.183859	10.418	104.18	39.14376	0.033965	0.410254	-0.834986	14.43692	14.67891	72.67269	38.11157	1388.74
1125.314	-2719.34	280.6599	0.226155	12.74337	127.4337	38.92924	0.033728	0.410077	-0.672718	14.23887	14.59847	72.77132	38.30919	1388.74
1126.728	-2719.66	280.3401	0.240484	13.52196	135.2196	38.75546	0.033543	0.409939	-0.617841	14.13044	14.5333	72.87102	38.46802	1388.74
1128.142	-2720	280	0.21996	12.40522	124.0522	38.59514	0.033393	0.409827	-0.69538	14.13527	14.47318	72.97108	38.61727	1388.74
1129.142	-2720.22	279.78	0.176782	10.02529	100.2529	38.46701	0.033255	0.409724	-0.860193	14.20487	14.42513	73.04166	38.73612	1388.74
1130.556	-2720.47	279.53	0.240484	13.52196	135.2196	38.24213	0.033145	0.409641	-0.616755	13.94328	14.3408	73.14214	38.95604	1388.74
1131.971	-2720.81	279.1899	0.28278	15.78986	157.8986	38.07995	0.032951	0.409496	-0.457253	13.74114	14.27998	73.2443	39.10809	1388.74
1133.385	-2721.21	278.79	0.346484	19.11036	191.1036	37.95919	0.032811	0.409391	-0.222902	13.45022	14.2347	73.34832	39.22245	1388.74
1134.799	-2721.7	278.3	0.282953	15.79902	157.9902	37.90014	0.032707	0.409313	-0.455949	13.67564	14.21255	73.45259	39.27607	1388.74
1136.213	-2722.1	277.8999	0.233233	13.12859	131.2859	37.77916	0.032656	0.409275	-0.6429	13.79689	14.16719	73.55554	39.39816	1388.74
1137.627	-2722.43	277.5701	0.240484	13.52196	135.2196	37.60803	0.032552	0.409196	-0.615133	13.71208	14.10301	73.65835	39.56986	1388.74
1139.041	-2722.77	277.23	0.233406	13.13797	131.3797	37.44354	0.032405	0.409085	-0.641554	13.6738	14.04133	73.76163	39.73292	1388.74
1140.456	-2723.1	276.8999	0.24739	13.89539	138.9539	37.27124	0.032263	0.408979	-0.588226	13.5677	13.97671	73.86546	39.90619	1388.74
1141.87	-2723.45	276.55	0.21996	12.40522	124.0522	37.11252	0.032114	0.408867	-0.691862	13.59227	13.9172	73.9696	40.06588	1388.74
1142.87	-2723.67	276.3301	0.249988	14.03557	140.3557	36.97995	0.031978	0.408764	-0.577634	13.45347	13.86748	74.04355	40.19938	1388.74
1143.87	-2723.92	276.0801	0.280018	15.64321	156.4321	36.86887	0.031863	0.408677	-0.464601	13.31371	13.82582	74.11827	40.31199	1388.74
1144.87	-2724.2	275.8	0.275875	15.42284	154.2284	36.77925	0.031768	0.408605	-0.479814	13.29555	13.79222	74.19343	40.40306	1388.74
1146.284	-2724.59	275.4099	0.24739	13.89539	138.9539	36.64806	0.03169	0.408547	-0.586653	13.34084	13.74302	74.29962	40.5419	1388.74
1147.698	-2724.94	275.0601	0.261719	14.66641	146.6641	36.48708	0.031577	0.408461	-0.532354	13.23682	13.68265	74.40604	40.71225	1388.74
1149.112	-2725.31	274.6899	0.198015	11.20055	112.0055	36.34035	0.031439	0.408356	-0.773754	13.36807	13.62763	74.51235	40.86612	1388.74
1150.527	-2725.59	274.4099	0.176781	10.02522	100.2522	36.12623	0.031312	0.40826	-0.854794	13.34049	13.54734	74.61824	41.09869	1388.74
1151.941	-2725.84	274.1599	0.254468	14.27692	142.7692	35.88829	0.031128	0.40812	-0.558402	13.04246	13.45811	74.72545	41.357	1388.74
1153.355	-2726.2	273.8	0.275875	15.42284	154.2284	35.73182	0.030923	0.407965	-0.4775	12.91691	13.39943	74.8344	41.52226	1388.74
1154.769	-2726.59	273.4099	0.275702	15.41365	154.1365	35.59743	0.030788	0.407862	-0.477774	12.8689	13.34904	74.94409	41.66854	1388.74
1156.183	-2726.98	273.02	0.240484	13.52196	135.2196	35.46245	0.030672	0.407774	-0.609948	12.92979	13.29842	75.05372	41.8181	1388.74
1157.598	-2727.32	272.6799	0.212172	11.97889	119.7889	35.28949	0.030556	0.407686	-0.717212	12.94539	13.23356	75.16303	42.01394	1388.74
1159.012	-2727.62	272.3799	0.211999	11.96943	119.6943	35.0851	0.030407	0.407572	-0.717454	12.87086	13.15691	75.27259	42.24692	1388.74
1160.426	-2727.92	272.0801	0.226328	12.75278	127.5278	34.87946	0.030231	0.407438	-0.662408	12.75714	13.0798	75.38295	42.48199	1388.74
1161.84	-2728.24	271.76	0.233406	13.13797	131.3797	34.68848	0.030053	0.407302	-0.635043	12.6677	13.00818	75.49419	42.7017	1388.74
1163.254	-2728.57	271.4299	0.240312	13.51261	135.1261	34.50437	0.029889	0.407177	-0.608422	12.58097	12.93914	75.60621	42.91628	1388.74
1164.668	-2728.91	271.0901	0.240484	13.52196	135.2196	34.32705	0.02973	0.407055	-0.607326	12.51582	12.87264	75.71891	43.12511	1388.74
1166.083	-2729.25	270.75	0.240484	13.52196	135.2196	34.14913	0.029578	0.406938	-0.606899	12.45095	12.80592	75.83219	43.33733	1388.74
1167.497	-2729.59	270.4099	0.233233	13.12859	131.2859	33.9704	0.029424	0.40682	-0.633938	12.40594	12.7389	75.94598	43.55275	1388.74
1168.911	-2729.92	270.0801	0.21925	12.36641	123.6641	33.78274	0.02927	0.406702	-0.686637	12.37459	12.66853	76.06012	43.78196	1388.74
1170.325	-2730.23	269.77	0.289859	16.16468	161.6468	33.57834	0.029109	0.406578	-0.420394	12.09406	12.59188	76.17571	44.03501	1388.74
1171.739	-2730.64	269.3601	0.275875	15.42284	154.2284	33.45244	0.028932	0.406443	-0.471997	12.09292	12.54466	76.29265	44.18602	1388.74
1173.154	-2731.03	268.97	0.21925	12.36641	123.6641	33.31055	0.028824	0.406359	-0.68538	12.20163	12.49145	76.40906	44.36511	1388.74
1174.568	-2731.34	268.6599	0.176781	10.02522	100.2522	33.10363	0.028702	0.406265	-0.847425	12.22432	12.41386	76.52486	44.63207	1388.74
1175.982	-2731.59	268.4099	0.198015	11.20055	112.0055	32.8462	0.028523	0.406127	-0.765555	12.08272	12.31732	76.64122	44.96665	1388.74
1177.396	-2731.87	268.1299	0.268624	15.03607	150.3607	32.61181	0.028302	0.405956	-0.497362	11.81073	12.22943	76.75959	45.27073	1388.74
1178.81	-2732.25	267.75	0.289859	16.16468	161.6468	32.45844	0.0281	0.4058	-0.417591	11.6907	12.17191	76.87994	45.46714	1388.74
1180.224	-2732.66	267.3401	0.247562	13.90471	139.0471	32.32906	0.027967	0.405697	-0.575563	11.76814	12.1234	77.00051	45.63758	1388.74
1181.639	-2733.01	266.99	0.205093	11.59026	115.9026	32.15	0.027856	0.405611	-0.736608	11.81042	12.05625	77.12046	45.88199	1388.74
1183.053	-2733.3	266.7	0.233233	13.12859	131.2859	31.91959	0.027702	0.405491	-0.629084	11.65699	11.96985	77.24098	46.19955	1388.74

1184.467	-2733.63	266.3701	0.247562	13.90471	139.0471	31.7214	0.027503	0.405337	-0.574319	11.54695	11.89552	77.36288	46.47053	1388.74
1185.881	-2733.98	266.02	0.261719	14.66641	146.6641	31.53933	0.027332	0.405205	-0.52054	11.44187	11.82725	77.48591	46.72349	1388.74
1187.295	-2734.35	265.6499	0.268624	15.03607	150.3607	31.37335	0.027176	0.405082	-0.494199	11.36222	11.76501	77.60994	46.95652	1388.74
1188.71	-2734.73	265.27	0.21925	12.36641	123.6641	31.21494	0.027032	0.404971	-0.680296	11.43401	11.7056	77.73401	47.18184	1388.74
1190.124	-2735.04	264.96	0.212172	11.97889	119.7889	30.99577	0.026896	0.404865	-0.706864	11.3703	11.62341	77.85804	47.50297	1388.74
1191.538	-2735.34	264.6599	0.226155	12.74337	127.4337	30.76644	0.026707	0.404717	-0.653114	11.25322	11.53741	77.98305	47.83965	1388.74
1192.952	-2735.66	264.3401	0.226328	12.75278	127.5278	30.55296	0.02651	0.404563	-0.651893	11.17472	11.45736	78.10916	48.15553	1388.74
1194.366	-2735.98	264.02	0.226328	12.75278	127.5278	30.33839	0.026326	0.404419	-0.651367	11.09625	11.3769	78.23616	48.47885	1388.74
1195.78	-2736.3	263.7	0.240312	13.51261	135.1261	30.12248	0.026141	0.404274	-0.597839	10.98324	11.29593	78.36426	48.80885	1388.74
1197.195	-2736.64	263.3601	0.25464	14.28621	142.8621	29.92289	0.025955	0.404128	-0.543243	10.87407	11.22108	78.49366	49.11668	1388.74
1198.609	-2737	263	0.240484	13.52196	135.2196	29.74032	0.025783	0.403993	-0.596162	10.84347	11.15262	78.62389	49.40168	1388.74
1200.023	-2737.34	262.6599	0.24739	13.89539	138.9539	29.53873	0.025625	0.403869	-0.569627	10.75286	11.07702	78.75486	49.7236	1388.74
1201.437	-2737.69	262.3101	0.233406	13.13797	131.3797	29.3448	0.025452	0.403733	-0.622007	10.71627	11.0043	78.8866	50.03526	1388.74
1202.851	-2738.02	261.98	0.289859	16.16468	161.6468	29.13164	0.025285	0.403601	-0.409672	10.49248	10.92437	79.01996	50.38494	1388.74
1204.265	-2738.43	261.5701	0.25464	14.28621	142.8621	28.99022	0.025101	0.403456	-0.540801	10.53514	10.87133	79.15447	50.61256	1388.74
1205.68	-2738.79	261.21	0.226329	12.75287	127.5287	28.80262	0.024979	0.40336	-0.647488	10.53454	10.80098	79.2887	50.93006	1388.74
1207.094	-2739.11	260.8899	0.211999	11.96943	119.6943	28.57656	0.024817	0.403232	-0.701533	10.48322	10.71621	79.42327	51.31671	1388.74
1208.508	-2739.41	260.5901	0.318344	17.65855	176.5855	28.32968	0.024623	0.403078	-0.302782	10.12306	10.62363	79.56053	51.74412	1388.74
1209.922	-2739.86	260.1399	0.233233	13.12859	131.2859	28.2222	0.02441	0.40291	-0.619655	10.30671	10.58332	79.69897	51.91946	1388.74
1211.336	-2740.19	259.8101	0.297109	16.54717	165.4717	28.0014	0.024317	0.402836	-0.380056	10.06565	10.50052	79.83781	52.31933	1388.74
1212.751	-2740.61	259.3899	0.190765	10.80024	108.0024	27.86491	0.024127	0.402685	-0.780625	10.26424	10.44934	79.97693	52.55589	1388.74
1214.165	-2740.88	259.1201	0.233406	13.13797	131.3797	27.58318	0.024009	0.402592	-0.61784	10.07295	10.34369	80.116	53.08036	1388.74
1215.579	-2741.21	258.79	0.212172	11.97889	119.7889	27.35792	0.023767	0.402399	-0.697817	10.03582	10.25922	80.25666	53.49173	1388.74
1216.993	-2741.51	258.49	0.240484	13.52196	135.2196	27.10142	0.023573	0.402244	-0.589784	9.881316	10.16303	80.39866	53.97727	1388.74
1218.407	-2741.85	258.1499	0.204921	11.58077	115.8077	26.88257	0.023352	0.402068	-0.72425	9.875742	10.08096	80.54182	54.39284	1388.74
1219.821	-2742.14	257.8601	0.247562	13.90471	139.0471	26.61164	0.023163	0.401917	-0.561868	9.686935	9.979364	80.6864	54.92602	1388.74
1221.236	-2742.49	257.51	0.289859	16.16468	161.6468	26.39931	0.02293	0.40173	-0.402933	9.50836	9.899741	80.83374	55.34205	1388.74
1222.65	-2742.9	257.1001	0.318344	17.65855	176.5855	26.24582	0.022747	0.401584	-0.297441	9.37843	9.842182	80.9835	55.6454	1388.74
1224.064	-2743.35	256.6499	0.304015	16.91005	169.1005	26.13185	0.022614	0.401477	-0.349683	9.375741	9.799444	81.13431	55.87332	1388.74
1225.478	-2743.78	256.22	0.275702	15.41365	154.1365	25.99728	0.022516	0.401399	-0.454408	9.39833	9.74898	81.28496	56.15151	1388.74
1226.892	-2744.17	255.8301	0.261719	14.66641	146.6641	25.82151	0.0224	0.401306	-0.506395	9.367555	9.683064	81.43568	56.52064	1388.74
1228.307	-2744.54	255.46	0.226328	12.75278	127.5278	25.62429	0.022249	0.401184	-0.639534	9.372066	9.609107	81.58661	56.93838	1388.74
1229.721	-2744.86	255.1399	0.240312	13.51261	135.1261	25.3733	0.022079	0.401047	-0.586073	9.251597	9.514986	81.73848	57.482	1388.74
1231.135	-2745.2	254.8	0.205093	11.59026	115.9026	25.14101	0.021863	0.400873	-0.719202	9.23564	9.42788	81.89147	57.98788	1388.74
1232.549	-2745.49	254.51	0.134312	7.649733	76.49733	24.85333	0.021662	0.400711	-0.990107	9.237055	9.32	82.04458	58.63547	1388.74
1233.963	-2745.68	254.3201	0.148468	8.444919	84.44919	24.45271	0.021415	0.400511	-0.934912	9.070342	9.169765	82.19907	59.56635	1388.74
1235.377	-2745.89	254.1101	0.247562	13.90471	139.0471	24.06822	0.021069	0.400232	-0.555733	8.761102	9.025581	82.35769	60.47569	1388.74
1236.792	-2746.24	253.76	0.268797	15.0453	150.453	23.83601	0.020738	0.399963	-0.475011	8.632102	8.938506	82.5203	61.0238	1388.74
1238.206	-2746.62	253.3799	0.275702	15.41365	154.1365	23.63561	0.020538	0.3998	-0.448628	8.544557	8.863353	82.68497	61.5162	1388.74
1239.62	-2747.01	252.99	0.233406	13.13797	131.3797	23.44473	0.020365	0.399659	-0.607132	8.561653	8.791773	82.85031	61.99524	1388.74
1241.034	-2747.34	252.6599	0.275702	15.41365	154.1365	23.1843	0.020201	0.399525	-0.447636	8.381405	8.694114	83.01724	62.6706	1388.74
1242.448	-2747.73	252.27	0.311093	17.28055	172.8055	22.99014	0.019976	0.399342	-0.315998	8.232151	8.621302	83.18748	63.17093	1388.74
1243.863	-2748.17	251.8301	0.275875	15.42284	154.2284	22.85191	0.019809	0.399206	-0.445836	8.260876	8.569468	83.35897	63.53128	1388.74
1245.277	-2748.56	251.4399	0.233233	13.12859	131.2859	22.65572	0.01969	0.399108	-0.605773	8.273834	8.495893	83.53003	64.06582	1388.74
1246.691	-2748.89	251.1101	0.233406	13.13797	131.3797	22.38683	0.019521	0.39897	-0.604614	8.175324	8.39506	83.70197	64.81284	1388.74
1248.105	-2749.22	250.78	0.275875	15.42284	154.2284	22.11523	0.019289	0.39878	-0.444297	7.994567	8.29321	83.87689	65.57758	1388.74
1249.519	-2749.61	250.3899	0.261546	14.65715	146.5715	21.91319	0.019055	0.398588	-0.497183	7.950029	8.217448	84.05428	66.15031	1388.74
1250.933	-2749.98	250.02	0.240484	13.52196	135.2196	21.68503	0.018881	0.398445	-0.575933	7.906472	8.131885	84.23265	66.82233	1388.74
1252.348	-2750.32	249.6799	0.268624	15.03607	150.3607	21.41794	0.018685	0.398283	-0.469574	7.756742	8.031727	84.41322	67.62815	1388.74
1253.762	-2750.7	249.3	0.297109	16.54717	165.4717	21.19746	0.018455	0.398093	-0.363007	7.619842	7.949047	84.59716	68.29902	1388.74
1255.176	-2751.12	248.8799	0.24739	13.89539	138.9539	21.02524	0.018265	0.397936	-0.548029	7.653734	7.884466	84.78234	68.83133	1388.74
1256.59	-2751.47	248.53	0.21925	12.36641	123.6641	20.76312	0.018116	0.397814	-0.654079	7.605515	7.78617	84.96769	69.67881	1388.74
1258.004	-2751.78	248.22	0.190937	10.80978	108.0978	20.44632	0.01789	0.397627	-0.761333	7.531316	7.667372	85.15455	70.72517	1388.74
1259.418	-2752.05	247.95	0.219962	12.40534	124.0534	20.07187	0.017617	0.397401	-0.64986	7.351213	7.52695	85.34459	72.00362	1388.74
1260.419	-2752.27	247.73	0.205093	11.59026	115.9026	19.84162	0.017295	0.397133	-0.705463	7.288891	7.440609	85.48121	72.79004	1388.74
1261.833	-2752.56	247.4399	0.226155	12.74337	127.4337	19.48407	0.017096	0.396968	-0.624769	7.126552	7.306527	85.67741	74.095	1388.74
1263.247	-2752.88	247.1201	0.240484	13.52196	135.2196	19.16161	0.016788	0.396711	-0.569611	6.986421	7.185603	85.87782	75.29319	1388.74
1264.661	-2753.22	246.78	0.233406	13.13797	131.3797	18.86266	0.01651	0.396479	-0.595517	6.888354	7.073499	86.08167	76.44174	1388.74
1266.075	-2753.55	246.45	0.205093	11.59026	115.9026	18.54517	0.016253	0.396263	-0.70227	6.812634	6.95444	86.2881	77.70816	1388.74
1267.489	-2753.84	246.1599	0.198015	11.20055	112.0055	18.16436	0.015979	0.396034	-0.728427	6.681894	6.811634	86.4977	79.29141	1388.74







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