

		Time	Thrust
P_0	400000	0	0
water/air		0.001	223.4164
V_total	0.002	0.002	220.546
D1	0.104	0.003	217.7402
D2	0.022	0.004	214.9968
$\rho_{\text{water}}$	1000	0.005	212.3137
V_w	0.000667	0.006	209.6889
V_a	0.001333	0.007	207.1204
R	286.9	0.008	204.6065
T	298	0.009	202.1453
$\rho_{\text{air}}$	5.874764	0.01	199.7352
dt	0.001	0.011	197.3746
P_atm	102270	0.012	195.0618
m_w	0.666667	0.013	192.7955
m_a	0.007833	0.014	190.5742
c_d	0.44	0.015	188.3965
A_n	0.00038	0.016	186.2612
g	9.81	0.017	184.167
m_b	0.068	0.018	182.1126
m_t	0.7425	0.019	180.097
h_w0	0.15	0.02	178.119
		0.021	176.1776
		0.022	174.2717
		0.023	172.4003
		0.024	170.5625
		0.025	168.7573
		0.026	166.984
		0.027	165.2415
		0.028	163.5292
		0.029	161.8462
		0.03	160.1917
		0.031	158.5651
		0.032	156.9656
		0.033	155.3924
		0.034	153.8451
		0.035	152.3228
		0.036	150.8251
		0.037	149.3512
		0.038	147.9007
		0.039	146.4729
		0.04	145.0674
		0.041	143.6835
		0.042	142.3208
		0.043	140.9788
		0.044	139.657
		0.045	138.3549

0.046	137.0722
0.047	135.8083
0.048	134.5629
0.049	133.3355
0.05	132.1258
0.051	130.9333
0.052	129.7577
0.053	128.5986
0.054	127.4557
0.055	126.3286
0.056	125.217
0.057	124.1205
0.058	123.039
0.059	121.972
0.06	120.9192
0.061	119.8804
0.062	118.8553
0.063	117.8437
0.064	116.8451
0.065	115.8595
0.066	114.8865
0.067	113.9259
0.068	112.9774
0.069	112.0409
0.07	111.1161
0.071	110.2027
0.072	109.3006
0.073	108.4096
0.074	107.5294
0.075	106.6599
0.076	105.8008
0.077	104.9519
0.078	104.1132
0.079	103.2843
0.08	102.4652
0.081	101.6556
0.082	100.8554
0.083	100.0644
0.084	99.28251
0.085	98.50949
0.086	97.74522
0.087	96.98955
0.088	96.24234
0.089	95.50344
0.09	94.77272
0.091	94.05003
0.092	93.33525

0.093	92.62824
0.094	91.92888
0.095	91.23705
0.096	90.55262
0.097	89.87547
0.098	89.20549
0.099	88.54256
0.1	87.88658
0.101	87.23743
0.102	86.595
0.103	85.9592
0.104	85.32992
0.105	84.70706
0.106	84.09052
0.107	83.48021
0.108	82.87603
0.109	82.27789
0.11	81.6857
0.111	81.09937
0.112	80.51881
0.113	79.94395
0.114	79.37469
0.115	78.81096
0.116	78.25268
0.117	77.69976
0.118	77.15213
0.119	76.60971
0.12	76.07244
0.121	75.54024
0.122	75.01303
0.123	74.49075
0.124	73.97333
0.125	73.4607
0.126	72.95279
0.127	72.44955
0.128	71.95091
0.129	71.4568
0.13	70.96716
0.131	70.48194
0.132	70.00108
0.133	69.52451
0.134	69.05218
0.135	68.58404
0.136	68.12003
0.137	67.66009
0.138	67.20418
0.139	66.75224

0.14	66.30422
0.141	65.86006
0.142	65.41973
0.143	64.98318
0.144	64.55034
0.145	64.12119
0.146	63.69566
0.147	63.27372
0.148	62.85533
0.149	62.44043
0.15	62.02899
0.151	61.62096
0.152	61.21631
0.153	60.81498
0.154	60.41695
0.155	60.02217
0.156	59.6306
0.157	59.2422
0.158	58.85694
0.159	58.47478
0.16	58.09568
0.161	57.71961
0.162	57.34653
0.163	56.9764
0.164	56.6092
0.165	56.24489
0.166	55.88344
0.167	55.52481
0.168	55.16897
0.169	54.81589
0.17	54.46554
0.171	54.11788
0.172	53.7729
0.173	53.43055
0.174	53.09082
0.175	52.75366
0.176	52.41905
0.177	52.08697
0.178	51.75739
0.179	51.43027
0.18	51.1056
0.181	50.78334
0.182	50.46347
0.183	50.14597
0.184	49.8308
0.185	49.51796
0.186	49.2074

0.187	48.89911
0.188	48.59306
0.189	48.28923
0.19	47.98759
0.191	47.68813
0.192	47.39082
0.193	47.09564
0.194	46.80256
0.195	46.51157
0.196	46.22264
0.197	45.93576
0.198	45.6509
0.199	45.36804
0.2	45.08716
0.201	44.80825
0.202	44.53128
0.203	44.25623
0.204	43.98309
0.205	43.71183
0.206	43.44244
0.207	43.1749
0.208	42.90919
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0.21	42.3832
0.211	42.12288
0.212	41.86432
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T_a	v_e	V_a	P_a	v_r	m_r	v_r
298	31.69448	0.001333	400000	24.2432	1.34223	0
297.5277	24.2432	0.001343	396136.34	24.08696	1.330182	0.158149303
297.0585	24.08696	0.001352	392360.76	23.93325	1.320966	0.315297327
296.5924	23.93325	0.001361	388670.19	23.782	1.31181	0.47147167
296.1292	23.782	0.00137	385061.73	23.63314	1.302712	0.626699069
295.6689	23.63314	0.001379	381532.58	23.4866	1.293672	0.781005438
295.2115	23.4866	0.001388	378080.1	23.34231	1.284688	0.934415905
294.7569	23.34231	0.001397	374701.75	23.20022	1.27576	1.086954855
294.3052	23.20022	0.001406	371395.1	23.06026	1.266887	1.238645957
293.8562	23.06026	0.001415	368157.84	22.92238	1.258068	1.389512199
293.4099	22.92238	0.001423	364987.75	22.78652	1.249302	1.53957592
292.9662	22.78652	0.001432	361882.71	22.65262	1.240588	1.688858837
292.5252	22.65262	0.001441	358840.69	22.52065	1.231926	1.837382075
292.0868	22.52065	0.001449	355859.73	22.39053	1.223315	1.985166188
291.651	22.39053	0.001458	352937.98	22.26224	1.214755	2.13223119
291.2176	22.26224	0.001467	350073.63	22.13572	1.206243	2.278596573
290.7868	22.13572	0.001475	347264.99	22.01092	1.197781	2.424281336
290.3584	22.01092	0.001483	344510.39	21.88782	1.189366	2.569303998
289.9324	21.88782	0.001492	341808.25	21.76635	1.180999	2.713682624
289.5087	21.76635	0.0015	339157.05	21.64649	1.172679	2.857434843
289.0875	21.64649	0.001508	336555.34	21.5282	1.164405	3.000577866
288.6685	21.5282	0.001517	334001.7	21.41144	1.156176	3.143128503
288.2519	21.41144	0.001525	331494.78	21.29616	1.147992	3.28510318
287.8375	21.29616	0.001533	329033.28	21.18235	1.139853	3.426517958
287.4253	21.18235	0.001541	326615.95	21.06996	1.131758	3.567388541
287.0154	21.06996	0.001549	324241.59	20.95896	1.123706	3.707730299
286.6076	20.95896	0.001557	321909.03	20.84932	1.115696	3.847558275
286.202	20.84932	0.001565	319617.15	20.74102	1.107729	3.986887204
285.7985	20.74102	0.001573	317364.87	20.63401	1.099804	4.12573152
285.397	20.63401	0.001581	315151.16	20.52827	1.091919	4.264105375
284.9977	20.52827	0.001589	312975	20.42378	1.084076	4.402022644
284.6004	20.42378	0.001597	310835.43	20.32051	1.076272	4.539496942
284.2051	20.32051	0.001604	308731.52	20.21842	1.068509	4.676541629
283.8118	20.21842	0.001612	306662.35	20.11751	1.060784	4.813169827
283.4205	20.11751	0.00162	304627.07	20.01773	1.053098	4.949394425
283.0312	20.01773	0.001627	302624.81	19.91908	1.045451	5.085228091
282.6438	19.91908	0.001635	300654.78	19.82151	1.037842	5.22068328
282.2583	19.82151	0.001643	298716.18	19.72502	1.03027	5.355772243
281.8746	19.72502	0.00165	296808.25	19.62958	1.022735	5.490507037
281.4929	19.62958	0.001658	294930.25	19.53517	1.015237	5.624899534
281.113	19.53517	0.001665	293081.47	19.44177	1.007775	5.758961425
280.7349	19.44177	0.001672	291261.21	19.34936	1.000349	5.892704231
280.3586	19.34936	0.00168	289468.82	19.25791	0.992959	6.02613931
279.9841	19.25791	0.001687	287703.64	19.16742	0.985603	6.159277866
279.6114	19.16742	0.001695	285965.05	19.07786	0.978283	6.29213095
279.2405	19.07786	0.001702	284252.43	18.98922	0.970997	6.424709475

278.8712	18.98922	0.001709	282565.2	18.90147	0.963744	6.557024217
278.5037	18.90147	0.001716	280902.79	18.8146	0.956526	6.689085822
278.1379	18.8146	0.001723	279264.64	18.7286	0.949341	6.820904815
277.7738	18.7286	0.001731	277650.21	18.64344	0.942189	6.952491604
277.4113	18.64344	0.001738	276058.99	18.55912	0.93507	7.083856486
277.0505	18.55912	0.001745	274490.47	18.47561	0.927983	7.215009652
276.6913	18.47561	0.001752	272944.16	18.39291	0.920928	7.345961197
276.3337	18.39291	0.001759	271419.58	18.31099	0.913904	7.476721118
275.9778	18.31099	0.001766	269916.26	18.22985	0.906913	7.607299327
275.6234	18.22985	0.001773	268433.77	18.14947	0.899952	7.73770565
275.2706	18.14947	0.00178	266971.65	18.06984	0.893022	7.867949838
274.9193	18.06984	0.001787	265529.5	17.99094	0.886123	7.998041566
274.5696	17.99094	0.001794	264106.88	17.91276	0.879254	8.127990444
274.2214	17.91276	0.0018	262703.41	17.83528	0.872415	8.257806015
273.8747	17.83528	0.001807	261318.69	17.75851	0.865606	8.387497767
273.5295	17.75851	0.001814	259952.35	17.68242	0.858826	8.517075133
273.1858	17.68242	0.001821	258604.01	17.60701	0.852076	8.646547496
272.8436	17.60701	0.001827	257273.32	17.53225	0.845354	8.775924196
272.5029	17.53225	0.001834	255959.92	17.45815	0.838661	8.905214532
272.1635	17.45815	0.001841	254663.48	17.38469	0.831996	9.034427767
271.8257	17.38469	0.001847	253383.67	17.31185	0.82536	9.163573134
271.4892	17.31185	0.001854	252120.15	17.23964	0.818751	9.292659838
271.1542	17.23964	0.001861	250872.63	17.16804	0.812171	9.421697061
270.8205	17.16804	0.001867	249640.79	17.09704	0.805617	9.55069397
270.4882	17.09704	0.001874	248424.33	17.02662	0.799091	9.679659713
270.1573	17.02662	0.00188	247222.97	16.95679	0.792592	9.808603433
269.8278	16.95679	0.001887	246036.42	16.88753	0.78612	9.937534265
269.4996	16.88753	0.001893	244864.4	16.81884	0.779674	10.06646134
269.1728	16.81884	0.0019	243706.66	16.7507	0.773254	10.1953938
268.8473	16.7507	0.001906	242562.92	16.6831	0.766861	10.32434079
268.5231	16.6831	0.001912	241432.92	16.61604	0.760493	10.45331146
268.2002	16.61604	0.001919	240316.43	16.54951	0.754152	10.58231499
267.8786	16.54951	0.001925	239213.19	16.48351	0.747835	10.71136056
267.5583	16.48351	0.001931	238122.98	16.41801	0.741544	10.84045739
267.2393	16.41801	0.001938	237045.55	16.35302	0.735278	10.96961473
266.9216	16.35302	0.001944	235980.68	16.28853	0.729037	11.09884184
266.6051	16.28853	0.00195	234928.16	16.22453	0.722821	11.22814806
266.2898	16.22453	0.001956	233887.76	16.16102	0.716629	11.35754272
265.9758	16.16102	0.001962	232859.27	16.09798	0.710462	11.48703524
265.6631	16.09798	0.001968	231842.5	16.03541	0.704318	11.61663506
265.3515	16.03541	0.001975	230837.23	15.97331	0.698199	11.74635169
265.0412	15.97331	0.001981	229843.28	15.91166	0.692104	11.87619469
264.732	15.91166	0.001987	228860.45	15.85046	0.686032	12.0061737
264.4241	15.85046	0.001993	227888.55	15.78971	0.679983	12.13629842
264.1173	15.78971	0.001999	226927.41	15.72939	0.673958	12.26657863
263.8117	15.72939	0.002005	225976.83	15.6695	0.667956	12.39702416
263.5073	15.6695	0.002011	225036.66	15.61004	0.661976	12.52764497

263.204	15.61004	0.002017	224106.71	15.551	0.65602	12.65845107
262.9019	15.551	0.002023	223186.83	15.49237	0.650086	12.78945259
262.6009	15.49237	0.002029	222276.84	15.43416	0.644174	12.92065975
262.3011	15.43416	0.002035	221376.58	15.37634	0.638285	13.05208286
262.0024	15.37634	0.00204	220485.91	15.31892	0.632418	13.18373238
261.7048	15.31892	0.002046	219604.66	15.26189	0.626573	13.31561884
261.4083	15.26189	0.002052	218732.7	15.20525	0.62075	13.44775293
261.1129	15.20525	0.002058	217869.86	15.14899	0.614948	13.58014545
260.8187	15.14899	0.002064	217016.01	15.09311	0.609168	13.71280733
260.5255	15.09311	0.002069	216171.01	15.0376	0.60341	13.84574965
260.2334	15.0376	0.002075	215334.72	14.98246	0.597672	13.97898364
259.9423	14.98246	0.002081	214507.01	14.92768	0.591956	14.11252068
259.6524	14.92768	0.002087	213687.74	14.87325	0.586261	14.24637231
259.3635	14.87325	0.002092	212876.79	14.81918	0.580586	14.38055025
259.0756	14.81918	0.002098	212074.03	14.76546	0.574933	14.51506637
258.7888	14.76546	0.002103	211279.33	14.71208	0.569299	14.64993276
258.503	14.71208	0.002109	210492.58	14.65904	0.563686	14.78516166
258.2183	14.65904	0.002115	209713.66	14.60633	0.558094	14.92076555
257.9346	14.60633	0.00212	208942.44	14.55396	0.552521	15.05675709
257.6519	14.55396	0.002126	208178.82	14.50191	0.546969	15.19314916
257.3702	14.50191	0.002131	207422.69	14.45019	0.541437	15.32995489
257.0896	14.45019	0.002137	206673.93	14.39878	0.535924	15.46718762
256.8099	14.39878	0.002142	205932.43	14.34769	0.530431	15.60486094
256.5312	14.34769	0.002148	205198.1	14.29691	0.524958	15.7429887
256.2536	14.29691	0.002153	204470.83	14.24644	0.519504	15.88158502
255.9769	14.24644	0.002159	203750.52	14.19627	0.514069	16.02066429
255.7011	14.19627	0.002164	203037.06	14.1464	0.508653	16.1602412
255.4264	14.1464	0.00217	202330.37	14.09683	0.503257	16.30033071
255.1526	14.09683	0.002175	201630.35	14.04755	0.497879	16.44094813
254.8798	14.04755	0.00218	200936.89	13.99857	0.492521	16.58210907
254.6079	13.99857	0.002186	200249.92	13.94986	0.487181	16.7238295
254.337	13.94986	0.002191	199569.34	13.90144	0.481859	16.86612572
254.067	13.90144	0.002196	198895.07	13.8533	0.476557	17.00901441
253.7979	13.8533	0.002202	198227	13.80544	0.471272	17.15251263
253.5298	13.80544	0.002207	197565.07	13.75785	0.466006	17.29663785
253.2626	13.75785	0.002212	196909.19	13.71053	0.460758	17.44140794
252.9964	13.71053	0.002217	196259.28	13.66347	0.455528	17.58684121
252.731	13.66347	0.002222	195615.24	13.61668	0.450317	17.73295642
252.4666	13.61668	0.002228	194977.02	13.57015	0.445123	17.8797728
252.2031	13.57015	0.002233	194344.52	13.52388	0.439947	18.02731006
251.9404	13.52388	0.002238	193717.68	13.47786	0.434788	18.17558845
251.6787	13.47786	0.002243	193096.41	13.4321	0.429647	18.32462873
251.4178	13.4321	0.002248	192480.65	13.38658	0.424524	18.47445221
251.1579	13.38658	0.002253	191870.32	13.34132	0.419418	18.62508081
250.8988	13.34132	0.002258	191265.36	13.29629	0.414329	18.77653703
250.6406	13.29629	0.002264	190665.68	13.25151	0.409258	18.92884401
250.3833	13.25151	0.002269	190071.23	13.20696	0.404203	19.08202556

250.1268	13.20696	0.002274	189481.93	13.16265	0.399166	19.23610618
249.8712	13.16265	0.002279	188897.73	13.11858	0.394146	19.39111107
249.6164	13.11858	0.002284	188318.55	13.07473	0.389142	19.54706621
249.3625	13.07473	0.002289	187744.33	13.03112	0.384155	19.70399837
249.1095	13.03112	0.002294	187175.01	12.98773	0.379185	19.86193513
248.8573	12.98773	0.002299	186610.53	12.94456	0.374232	20.02090496
248.6059	12.94456	0.002303	186050.82	12.90162	0.369295	20.18093722
248.3554	12.90162	0.002308	185495.84	12.85889	0.364374	20.34206222
248.1057	12.85889	0.002313	184945.51	12.81638	0.35947	20.50431127
247.8568	12.81638	0.002318	184399.78	12.77408	0.354581	20.66771673
247.6088	12.77408	0.002323	183858.6	12.732	0.34971	20.83231205
247.3616	12.732	0.002328	183321.91	12.69013	0.344854	20.99813185
247.1152	12.69013	0.002333	182789.65	12.64846	0.340014	21.16521192
246.8696	12.64846	0.002338	182261.78	12.607	0.33519	21.33358937
246.6248	12.607	0.002342	181738.23	12.56574	0.330382	21.50330261
246.3808	12.56574	0.002347	181218.96	12.52469	0.325589	21.67439148
246.1376	12.52469	0.002352	180703.92	12.48383	0.320813	21.84689728
245.8952	12.48383	0.002357	180193.05	12.44317	0.316052	22.0208629
245.6536	12.44317	0.002361	179686.3	12.40271	0.311306	22.19633285
245.4127	12.40271	0.002366	179183.63	12.36244	0.306576	22.37335339
245.1727	12.36244	0.002371	178684.99	12.32236	0.301862	22.5519726
244.9335	12.32236	0.002376	178190.34	12.28248	0.297162	22.73224052
244.695	12.28248	0.00238	177699.61	12.24278	0.292478	22.9142092
244.4573	12.24278	0.002385	177212.78	12.20326	0.287809	23.09793289
244.2203	12.20326	0.00239	176729.79	12.16393	0.283155	23.2834681
243.9841	12.16393	0.002394	176250.6	12.12478	0.278516	23.47087381
243.7487	12.12478	0.002399	175775.17	12.08581	0.273892	23.66021153
243.5141	12.08581	0.002404	175303.45	12.04702	0.269283	23.85154554
243.2801	12.04702	0.002408	174835.41	12.00841	0.264689	24.044943
243.047	12.00841	0.002413	174370.99	11.96998	0.26011	24.24047416
242.8146	11.96998	0.002417	173910.16	11.93171	0.255545	24.43821257
242.5829	11.93171	0.002422	173452.88	11.89362	0.250995	24.63823526
242.352	11.89362	0.002426	172999.11	11.8557	0.246459	24.84062301
242.1218	11.8557	0.002431	172548.82	11.81795	0.241938	25.04546058
241.8924	11.81795	0.002435	172101.95	11.78036	0.237431	25.25283697
241.6636	11.78036	0.00244	171658.47	11.74294	0.232939	25.46284576
241.4356	11.74294	0.002444	171218.36	11.70569	0.228461	25.67558538
241.2084	11.70569	0.002449	170781.56	11.66859	0.223997	25.89115951
240.9818	11.66859	0.002453	170348.05	11.63166	0.219547	26.10967743
240.756	11.63166	0.002458	169917.78	11.59489	0.215112	26.33125447
240.5309	11.59489	0.002462	169490.73	11.55827	0.21069	26.55601245
240.3065	11.55827	0.002467	169066.85	11.52182	0.206282	26.78408019
240.0828	11.52182	0.002471	168646.12	11.48551	0.201889	27.01559405
239.8598	11.48551	0.002475	168228.5	11.44936	0.197509	27.2506986
239.6375	11.44936	0.00248	167813.96	11.41337	0.193143	27.48954723
239.4159	11.41337	0.002484	167402.46	11.37752	0.188791	27.73230292
239.195	11.37752	0.002488	166993.97	11.34182	0.184452	27.9791391

238.9748	11.34182	0.002493	166588.47	11.30627	0.180127	28.23024051
238.7553	11.30627	0.002497	166185.91	11.27087	0.175816	28.48580428
238.5365	11.27087	0.002501	165786.27	11.23562	0.171518	28.74604104
238.3184	11.23562	0.002506	165389.52	11.2005	0.167233	29.0111762
238.1009	11.2005	0.00251	164995.63	11.16553	0.162962	29.28145139
237.8841	11.16553	0.002514	164604.57	11.13071	0.158705	29.55712607
237.668	11.13071	0.002518	164216.31	11.09602	0.15446	29.83847935
237.4526	11.09602	0.002523	163830.82	11.06147	0.150229	30.12581201
237.2379	11.06147	0.002527	163448.07	11.02706	0.146011	30.41944889
237.0238	11.02706	0.002531	163068.03	10.99279	0.141806	30.71974149
236.8104	10.99279	0.002535	162690.69	10.95865	0.137615	31.027071
236.5976	10.95865	0.002539	162316	10.92465	0.133436	31.34185183
236.3855	10.92465	0.002544	161943.95	10.89078	0.12927	31.66453553
236.1741	10.89078	0.002548	161574.5	10.85704	0.125117	31.99561546
235.9633	10.85704	0.002552	161207.64	10.82343	0.120977	32.33563215
235.7532	10.82343	0.002556	160843.33	10.78995	0.11685	32.6851795
235.5437	10.78995	0.00256	160481.55	10.75661	0.112736	33.0449122
235.3349	10.75661	0.002564	160122.28	10.72338	0.108634	33.41555428
235.1267	10.72338	0.002568	159765.49	10.69029	0.104545	33.79790937
234.9192	10.69029	0.002572	159411.15	10.65732	0.100469	34.19287293
234.7123	10.65732	0.002576	159059.25	10.62448	0.096405	34.60144682
234.506	10.62448	0.00258	158709.76	10.59176	0.092354	35.02475702
234.3004	10.59176	0.002584	158362.65	10.55916	0.088315	35.46407514
234.0954	10.55916	0.002589	158017.9	10.52668	0.084289	35.92084485
233.8911	10.52668	0.002593	157675.49	10.49432	0.080275	36.39671456
233.6873	10.49432	0.002597	157335.4	10.46208	0.076274	36.89357837
233.4842	10.46208	0.002601	156997.61	10.42997	0.072284	37.41362774
233.2817	0	0.002604	156662.09	10.39796	0.068307	37.35403095
233.0799	0	0.002608	156328.82	10.36608	0.068307	37.29459264
232.8786	0	0.002612	155997.78	10.33431	0.068307	37.23531215
232.678	0	0.002616	155668.95	10.30265	0.068307	37.1761888
232.478	0	0.00262	155342.31	10.27111	0.068307	37.11722193
232.2786	0	0.002624	155017.83	10.23968	0.068307	37.05841087
232.0798	0	0.002628	154695.51	10.20836	0.068307	36.99975497
231.8817	0	0.002632	154375.31	10.17715	0.068307	36.94125358
231.6841	0	0.002636	154057.23	10.14606	0.068307	36.88290604
231.4871	0	0.00264	153741.23	10.11507	0.068307	36.82471171
231.2908	0	0.002644	153427.3	10.08419	0.068307	36.76666993
231.095	0	0.002647	153115.42	10.05342	0.068307	36.70878008
230.8998	0	0.002651	152805.58	10.02275	0.068307	36.65104152
230.7053	0	0.002655	152497.75	9.992188	0.068307	36.59345361
230.5113	0	0.002659	152191.91	9.961732	0.068307	36.53601573
230.3179	0	0.002663	151888.06	9.931381	0.068307	36.47872724
230.1251	0	0.002666	151586.16	9.901132	0.068307	36.42158753
229.9329	0	0.00267	151286.2	9.870985	0.068307	36.36459597
229.7413	0	0.002674	150988.17	9.84094	0.068307	36.30775196
229.5502	0	0.002678	150692.05	9.810996	0.068307	36.25105487



229.3598	0	0.002682	150397.82	9.781152	0.068307	36.19450411
229.1699	0	0.002685	150105.46	9.751407	0.068307	36.13809906
228.9806	0	0.002689	149814.97	9.72176	0.068307	36.08183913
228.7918	0	0.002693	149526.31	9.692211	0.068307	36.0257237
228.6037	0	0.002696	149239.48	9.662759	0.068307	35.9697522
228.4161	0	0.0027	148954.45	9.633403	0.068307	35.91392403
228.2291	0	0.002704	148671.22	9.604142	0.068307	35.85823859
228.0427	0	0.002707	148389.77	9.574976	0.068307	35.8026953
227.8568	0	0.002711	148110.09	9.545904	0.068307	35.74729358
227.6715	0	0.002715	147832.15	9.516926	0.068307	35.69203286
227.4867	0	0.002718	147555.94	9.48804	0.068307	35.63691254
227.3025	0	0.002722	147281.45	9.459246	0.068307	35.58193207
227.1189	0	0.002726	147008.66	9.430543	0.068307	35.52709086
226.9358	0	0.002729	146737.57	9.40193	0.068307	35.47238836
226.7533	0	0.002733	146468.14	9.373407	0.068307	35.417824
226.5714	0	0.002736	146200.38	9.344974	0.068307	35.36339722
226.3899	0	0.00274	145934.27	9.316629	0.068307	35.30910745
226.2091	0	0.002743	145669.78	9.288371	0.068307	35.25495416
226.0288	0	0.002747	145406.92	9.260201	0.068307	35.20093677
225.849	0	0.00275	145145.66	9.232118	0.068307	35.14705475
225.6698	0	0.002754	144886	9.20412	0.068307	35.09330755
225.4911	0	0.002758	144627.91	9.176208	0.068307	35.03969463
225.313	0	0.002761	144371.39	9.14838	0.068307	34.98621544
225.1354	0	0.002764	144116.43	9.120636	0.068307	34.93286945
224.9583	0	0.002768	143863	9.092976	0.068307	34.87965612
224.7818	0	0.002771	143611.1	9.065398	0.068307	34.82657492
224.6058	0	0.002775	143360.72	9.037903	0.068307	34.77362533
224.4304	0	0.002778	143111.84	9.010489	0.068307	34.72080682
224.2555	0	0.002782	142864.45	8.983156	0.068307	34.66811886
224.0811	0	0.002785	142618.55	8.955904	0.068307	34.61556093
223.9072	0	0.002789	142374.1	8.928731	0.068307	34.56313252
223.7339	0	0.002792	142131.12	8.901638	0.068307	34.51083311
223.5611	0	0.002795	141889.58	8.874623	0.068307	34.45866219
223.3888	0	0.002799	141649.47	8.847687	0.068307	34.40661924
223.217	0	0.002802	141410.78	8.820828	0.068307	34.35470378
223.0458	0	0.002806	141173.5	8.794046	0.068307	34.30291527
222.8751	0	0.002809	140937.63	8.767341	0.068307	34.25125324
222.7049	0	0.002812	140703.14	8.740712	0.068307	34.19971717
222.5352	0	0.002816	140470.02	8.714158	0.068307	34.14830658
222.366	0	0.002819	140238.28	8.687679	0.068307	34.09702096
222.1974	0	0.002822	140007.88	8.661274	0.068307	34.04585983
222.0293	0	0.002825	139778.84	8.634944	0.068307	33.9948227
221.8616	0	0.002829	139551.13	8.608686	0.068307	33.94390908
221.6945	0	0.002832	139324.74	8.582502	0.068307	33.89311849
221.5279	0	0.002835	139099.67	8.556389	0.068307	33.84245045
221.3618	0	0.002839	138875.9	8.530349	0.068307	33.79190447
221.1962	0	0.002842	138653.43	8.50438	0.068307	33.74148009

221.0311	0	0.002845	138432.24	8.478481	0.068307	33.69117683
220.8665	0	0.002848	138212.32	8.452653	0.068307	33.64099422
220.7024	0	0.002852	137993.67	8.426895	0.068307	33.59093178
220.5388	0	0.002855	137776.28	8.401206	0.068307	33.54098906
220.3757	0	0.002858	137560.13	8.375586	0.068307	33.49116559
220.2131	0	0.002861	137345.22	8.350035	0.068307	33.4414609
220.051	0	0.002864	137131.54	8.324551	0.068307	33.39187455
219.8894	0	0.002868	136919.07	8.299135	0.068307	33.34240606
219.7283	0	0.002871	136707.82	8.273786	0.068307	33.293055
219.5677	0	0.002874	136497.77	8.248503	0.068307	33.2438209
219.4076	0	0.002877	136288.9	8.223287	0.068307	33.19470331
219.2479	0	0.00288	136081.23	8.198136	0.068307	33.14570179
219.0888	0	0.002883	135874.72	8.173051	0.068307	33.0968159
218.9301	0	0.002886	135669.38	8.14803	0.068307	33.04804518
218.7719	0	0.002889	135465.2	8.123074	0.068307	32.9993892
218.6143	0	0.002893	135262.17	8.098182	0.068307	32.95084752
218.457	0	0.002896	135060.27	8.073353	0.068307	32.90241971
218.3003	0	0.002899	134859.51	8.048587	0.068307	32.85410533
218.1441	0	0.002902	134659.88	8.023884	0.068307	32.80590394
217.9883	0	0.002905	134461.36	7.999243	0.068307	32.75781512
217.833	0	0.002908	134263.95	7.974664	0.068307	32.70983844
217.6782	0	0.002911	134067.64	7.950147	0.068307	32.66197348
217.5238	0	0.002914	133872.42	7.92569	0.068307	32.61421981
217.37	0	0.002917	133678.28	7.901294	0.068307	32.56657701
217.2166	0	0.00292	133485.23	7.876959	0.068307	32.51904466
217.0637	0	0.002923	133293.24	7.852683	0.068307	32.47162234
216.9112	0	0.002926	133102.31	7.828466	0.068307	32.42430965
216.7592	0	0.002929	132912.44	7.804309	0.068307	32.37710616
216.6077	0	0.002932	132723.62	7.78021	0.068307	32.33001147
216.4567	0	0.002935	132535.84	7.75617	0.068307	32.28302516
216.3061	0	0.002938	132349.09	7.732187	0.068307	32.23614684
216.156	0	0.002941	132163.36	7.708262	0.068307	32.18937609
216.0064	0	0.002944	131978.65	7.684394	0.068307	32.14271251
215.8572	0	0.002947	131794.96	7.660583	0.068307	32.09615571
215.7084	0	0.00295	131612.27	7.636829	0.068307	32.04970528
215.5602	0	0.002953	131430.58	7.61313	0.068307	32.00336083
215.4124	0	0.002955	131249.87	7.589487	0.068307	31.95712196
215.265	0	0.002958	131070.16	7.565899	0.068307	31.91098828
215.1182	0	0.002961	130891.42	7.542367	0.068307	31.8649594
214.9717	0	0.002964	130713.65	7.518889	0.068307	31.81903493
214.8258	0	0.002967	130536.84	7.495465	0.068307	31.77321449
214.6802	0	0.00297	130361	7.472095	0.068307	31.72749768
214.5352	0	0.002973	130186.1	7.448779	0.068307	31.68188412
214.3906	0	0.002976	130012.15	7.425516	0.068307	31.63637344
214.2464	0	0.002978	129839.14	7.402306	0.068307	31.59096525
214.1027	0	0.002981	129667.07	7.379148	0.068307	31.54565918
213.9594	0	0.002984	129495.91	7.356043	0.068307	31.50045485

213.8166	0	0.002987	129325.68	7.33299	0.068307	31.45535188
213.6742	0	0.00299	129156.37	7.309988	0.068307	31.41034991
213.5323	0	0.002992	128987.96	7.287037	0.068307	31.36544856
213.3908	0	0.002995	128820.46	7.264138	0.068307	31.32064747
213.2498	0	0.002998	128653.85	7.241289	0.068307	31.27594626
213.1092	0	0.003001	128488.13	7.21849	0.068307	31.23134458
212.9691	0	0.003003	128323.3	7.195741	0.068307	31.18684206
212.8294	0	0.003006	128159.35	7.173042	0.068307	31.14243834
212.6901	0	0.003009	127996.27	7.150392	0.068307	31.09813305
212.5513	0	0.003012	127834.06	7.127792	0.068307	31.05392585
212.4129	0	0.003014	127672.71	7.10524	0.068307	31.00981637
212.2749	0	0.003017	127512.22	7.082736	0.068307	30.96580426
212.1374	0	0.00302	127352.58	7.060281	0.068307	30.92188917
212.0004	0	0.003022	127193.78	7.037874	0.068307	30.87807074
211.8637	0	0.003025	127035.83	7.015514	0.068307	30.83434863
211.7275	0	0.003028	126878.72	6.993201	0.068307	30.79072249
211.5917	0	0.003031	126722.43	6.970935	0.068307	30.74719197
211.4564	0	0.003033	126566.97	6.948716	0.068307	30.70375672
211.3215	0	0.003036	126412.33	6.926543	0.068307	30.66041642
211.187	0	0.003038	126258.5	6.904417	0.068307	30.6171707
211.0529	0	0.003041	126105.49	6.882336	0.068307	30.57401924
210.9193	0	0.003044	125953.28	6.860301	0.068307	30.5309617
210.7861	0	0.003046	125801.86	6.838311	0.068307	30.48799773
210.6533	0	0.003049	125651.25	6.816366	0.068307	30.44512701
210.521	0	0.003052	125501.42	6.794466	0.068307	30.4023492
210.3891	0	0.003054	125352.38	6.77261	0.068307	30.35966397
210.2576	0	0.003057	125204.12	6.750798	0.068307	30.31707099
210.1265	0	0.003059	125056.64	6.72903	0.068307	30.27456993
209.9958	0	0.003062	124909.92	6.707306	0.068307	30.23216047
209.8656	0	0.003064	124763.98	6.685625	0.068307	30.18984227
209.7358	0	0.003067	124618.79	6.663988	0.068307	30.14761502
209.6064	0	0.003069	124474.37	6.642393	0.068307	30.10547839
209.4774	0	0.003072	124330.69	6.620841	0.068307	30.06343206
209.3489	0	0.003075	124187.77	6.599331	0.068307	30.02147572
209.2207	0	0.003077	124045.58	6.577863	0.068307	29.97960903
209.093	0	0.00308	123904.14	6.556437	0.068307	29.9378317
208.9657	0	0.003082	123763.43	6.535052	0.068307	29.89614339
208.8388	0	0.003085	123623.45	6.513709	0.068307	29.85454381
208.7123	0	0.003087	123484.2	6.492407	0.068307	29.81303263
208.5863	0	0.00309	123345.67	6.471146	0.068307	29.77160955
208.4606	0	0.003092	123207.86	6.449925	0.068307	29.73027426
208.3354	0	0.003094	123070.77	6.428745	0.068307	29.68902645
208.2105	0	0.003097	122934.38	6.407604	0.068307	29.64786581
208.0861	0	0.003099	122798.7	6.386504	0.068307	29.60679203
207.9621	0	0.003102	122663.72	6.365443	0.068307	29.56580483
207.8385	0	0.003104	122529.43	6.344422	0.068307	29.52490388
207.7153	0	0.003107	122395.84	6.323439	0.068307	29.4840889

207.5925	0	0.003109	122262.94	6.302496	0.068307	29.44335958
207.4701	0	0.003111	122130.73	6.281591	0.068307	29.40271562
207.3482	0	0.003114	121999.19	6.260725	0.068307	29.36215674
207.2266	0	0.003116	121868.34	6.239897	0.068307	29.32168262
207.1054	0	0.003119	121738.16	6.219107	0.068307	29.28129299
206.9847	0	0.003121	121608.64	6.198355	0.068307	29.24098754
206.8643	0	0.003123	121479.8	6.17764	0.068307	29.20076599
206.7443	0	0.003126	121351.62	6.156962	0.068307	29.16062805
206.6248	0	0.003128	121224.09	6.136322	0.068307	29.12057342
206.5056	0	0.00313	121097.22	6.115719	0.068307	29.08060182
206.3869	0	0.003133	120971.01	6.095152	0.068307	29.04071296
206.2685	0	0.003135	120845.44	6.074622	0.068307	29.00090657
206.1505	0	0.003137	120720.51	6.054128	0.068307	28.96118235
206.033	0	0.00314	120596.23	6.03367	0.068307	28.92154003
205.9158	0	0.003142	120472.58	6.013247	0.068307	28.88197932
205.799	0	0.003144	120349.57	5.992861	0.068307	28.84249994
205.6826	0	0.003147	120227.19	5.97251	0.068307	28.80310162
205.5667	0	0.003149	120105.44	5.952194	0.068307	28.76378408
205.4511	0	0.003151	119984.3	5.931913	0.068307	28.72454704
205.3359	0	0.003153	119863.79	5.911666	0.068307	28.68539023
205.2211	0	0.003156	119743.9	5.891455	0.068307	28.64631338
205.1067	0	0.003158	119624.62	5.871277	0.068307	28.60731621
204.9926	0	0.00316	119505.95	5.851134	0.068307	28.56839845
204.879	0	0.003162	119387.89	5.831025	0.068307	28.52955984
204.7658	0	0.003165	119270.43	5.81095	0.068307	28.4908001
204.6529	0	0.003167	119153.57	5.790908	0.068307	28.45211897
204.5404	0	0.003169	119037.31	5.770899	0.068307	28.41351618
204.4284	0	0.003171	118921.64	5.750924	0.068307	28.37499147
204.3167	0	0.003173	118806.56	5.730982	0.068307	28.33654457
204.2054	0	0.003176	118692.08	5.711072	0.068307	28.29817522
204.0945	0	0.003178	118578.17	5.691196	0.068307	28.25988316
203.9839	0	0.00318	118464.85	5.671351	0.068307	28.22166814
203.8738	0	0.003182	118352.11	5.651539	0.068307	28.18352988
203.764	0	0.003184	118239.95	5.631759	0.068307	28.14546813
203.6546	0	0.003186	118128.35	5.612011	0.068307	28.10748264
203.5456	0	0.003189	118017.33	5.592294	0.068307	28.06957316
203.437	0	0.003191	117906.88	5.572609	0.068307	28.03173941
203.3288	0	0.003193	117796.98	5.552955	0.068307	27.99398116
203.221	0	0.003195	117687.65	5.533332	0.068307	27.95629816
203.1135	0	0.003197	117578.88	5.513741	0.068307	27.91869014
203.0064	0	0.003199	117470.67	5.49418	0.068307	27.88115686
202.8997	0	0.003201	117363	5.474649	0.068307	27.84369807
202.7933	0	0.003203	117255.89	5.455149	0.068307	27.80631353
202.6874	0	0.003205	117149.33	5.435679	0.068307	27.76900298
202.5818	0	0.003207	117043.31	5.41624	0.068307	27.73176619
202.4766	0	0.00321	116937.83	5.39683	0.068307	27.6946029
202.3718	0	0.003212	116832.89	5.37745	0.068307	27.65751287

202.2673	0	0.003214	116728.48	5.358099	0.068307	27.62049586
202.1633	0	0.003216	116624.61	5.338778	0.068307	27.58355164
202.0596	0	0.003218	116521.28	5.319486	0.068307	27.54667995
201.9562	0	0.00322	116418.47	5.300223	0.068307	27.50988056
201.8533	0	0.003222	116316.18	5.280989	0.068307	27.47315323
201.7507	0	0.003224	116214.42	5.261784	0.068307	27.43649773
201.6485	0	0.003226	116113.19	5.242607	0.068307	27.39991382
201.5467	0	0.003228	116012.47	5.223459	0.068307	27.36340126
201.4452	0	0.00323	115912.26	5.204339	0.068307	27.32695982
201.3441	0	0.003232	115812.57	5.185246	0.068307	27.29058926
201.2434	0	0.003234	115713.39	5.166182	0.068307	27.25428936
201.143	0	0.003236	115614.72	5.147145	0.068307	27.21805988
201.043	0	0.003238	115516.55	5.128136	0.068307	27.1819006
200.9434	0	0.00324	115418.89	5.109155	0.068307	27.14581128
200.8442	0	0.003242	115321.73	5.0902	0.068307	27.10979169
200.7453	0	0.003244	115225.07	5.071273	0.068307	27.07384162
200.6468	0	0.003245	115128.91	5.052373	0.068307	27.03796082
200.5486	0	0.003247	115033.24	5.033499	0.068307	27.00214908
200.4509	0	0.003249	114938.06	5.014652	0.068307	26.96640618
200.3534	0	0.003251	114843.37	4.995832	0.068307	26.93073188
200.2564	0	0.003253	114749.17	4.977038	0.068307	26.89512597
200.1597	0	0.003255	114655.45	4.95827	0.068307	26.85958823
200.0634	0	0.003257	114562.22	4.939528	0.068307	26.82411844
199.9674	0	0.003259	114469.47	4.920812	0.068307	26.78871637
199.8718	0	0.003261	114377.19	4.902121	0.068307	26.7533818
199.7766	0	0.003263	114285.4	4.883456	0.068307	26.71811453
199.6817	0	0.003264	114194.07	4.864817	0.068307	26.68291433
199.5872	0	0.003266	114103.22	4.846203	0.068307	26.64778099
199.493	0	0.003268	114012.84	4.827614	0.068307	26.61271429
199.3992	0	0.00327	113922.93	4.80905	0.068307	26.57771401
199.3058	0	0.003272	113833.48	4.79051	0.068307	26.54277996
199.2127	0	0.003274	113744.5	4.771996	0.068307	26.50791191
199.12	0	0.003275	113655.97	4.753506	0.068307	26.47310965
199.0277	0	0.003277	113567.91	4.73504	0.068307	26.43837297
198.9357	0	0.003279	113480.3	4.716599	0.068307	26.40370166
198.844	0	0.003281	113393.15	4.698182	0.068307	26.36909552
198.7527	0	0.003283	113306.46	4.679789	0.068307	26.33455433
198.6618	0	0.003284	113220.21	4.661419	0.068307	26.30007789
198.5712	0	0.003286	113134.42	4.643074	0.068307	26.26566599
198.481	0	0.003288	113049.07	4.624752	0.068307	26.23131843
198.3912	0	0.00329	112964.16	4.606453	0.068307	26.19703501
198.3017	0	0.003292	112879.7	4.588178	0.068307	26.16281552
198.2125	0	0.003293	112795.69	4.569925	0.068307	26.12865975
198.1237	0	0.003295	112712.11	4.551696	0.068307	26.09456751
198.0353	0	0.003297	112628.97	4.53349	0.068307	26.06053859
197.9472	0	0.003299	112546.27	4.515307	0.068307	26.0265728
197.8594	0	0.0033	112464	4.497146	0.068307	25.99266993

197.7721	0	0.003302	112382.16	4.479007	0.068307	25.95882979
197.685	0	0.003304	112300.75	4.460891	0.068307	25.92505218
197.5983	0	0.003305	112219.78	4.442798	0.068307	25.89133691
197.512	0	0.003307	112139.22	4.424726	0.068307	25.85768376
197.426	0	0.003309	112059.1	4.406676	0.068307	25.82409257
197.3404	0	0.00331	111979.4	4.388648	0.068307	25.79056311
197.2551	0	0.003312	111900.12	4.370642	0.068307	25.75709522
197.1702	0	0.003314	111821.26	4.352658	0.068307	25.72368868
197.0856	0	0.003315	111742.81	4.334695	0.068307	25.69034331
197.0013	0	0.003317	111664.79	4.316753	0.068307	25.65705892
196.9174	0	0.003319	111587.18	4.298832	0.068307	25.62383532
196.8339	0	0.00332	111509.98	4.280933	0.068307	25.59067231
196.7507	0	0.003322	111433.19	4.263054	0.068307	25.55756972
196.6678	0	0.003324	111356.82	4.245197	0.068307	25.52452734
196.5853	0	0.003325	111280.85	4.22736	0.068307	25.491545
196.5032	0	0.003327	111205.29	4.209543	0.068307	25.4586225
196.4214	0	0.003328	111130.13	4.191748	0.068307	25.42575967
196.3399	0	0.00333	111055.37	4.173972	0.068307	25.39295631
196.2588	0	0.003332	110981.02	4.156217	0.068307	25.36021225
196.178	0	0.003333	110907.07	4.138482	0.068307	25.32752729
196.0975	0	0.003335	110833.51	4.120766	0.068307	25.29490126
196.0174	0	0.003336	110760.36	4.103071	0.068307	25.26233397
195.9377	0	0.003338	110687.6	4.085396	0.068307	25.22982525
195.8583	0	0.00334	110615.23	4.06774	0.068307	25.19737491
195.7792	0	0.003341	110543.25	4.050103	0.068307	25.16498277
195.7005	0	0.003343	110471.67	4.032486	0.068307	25.13264865
195.6221	0	0.003344	110400.47	4.014889	0.068307	25.10037238
195.5441	0	0.003346	110329.67	3.99731	0.068307	25.06815377
195.4664	0	0.003347	110259.24	3.979751	0.068307	25.03599266
195.389	0	0.003349	110189.21	3.96221	0.068307	25.00388885
195.312	0	0.00335	110119.55	3.944688	0.068307	24.97184219
195.2353	0	0.003352	110050.28	#NUM!	0.068307	24.93985249