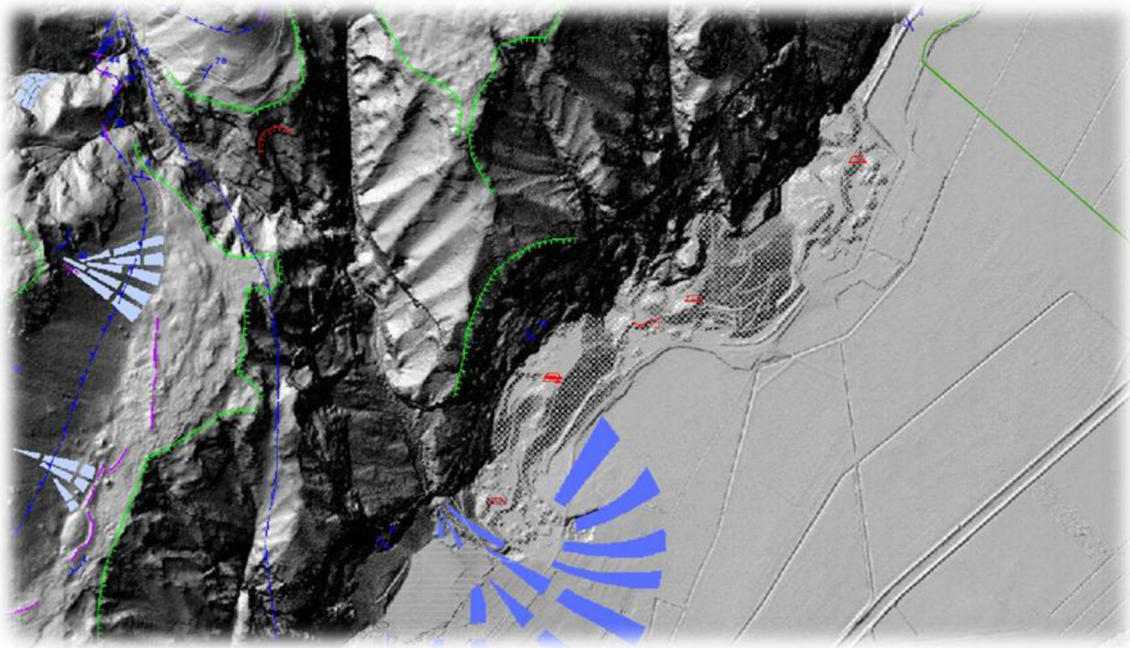


*Comune di Mezzocorona
Provincia Autonoma di Trento
Committente:
Comune di Mezzocorona*

OGGETTO

**COLTIVAZIONE DELLE CAVE DI PROPRIETÀ DEL COMUNE DI MEZZOCORONA
CIG: B509D4AFA2**



ALLEGATO 5

**REPORT 2D PROVE E TAVOLE MODELLAZIONE CADUTA MASSI SATO DI FATTO
LOTTO L1(C1)**



Via Mons. D. Caproni, 58
38056 Levico Terme (Tn)

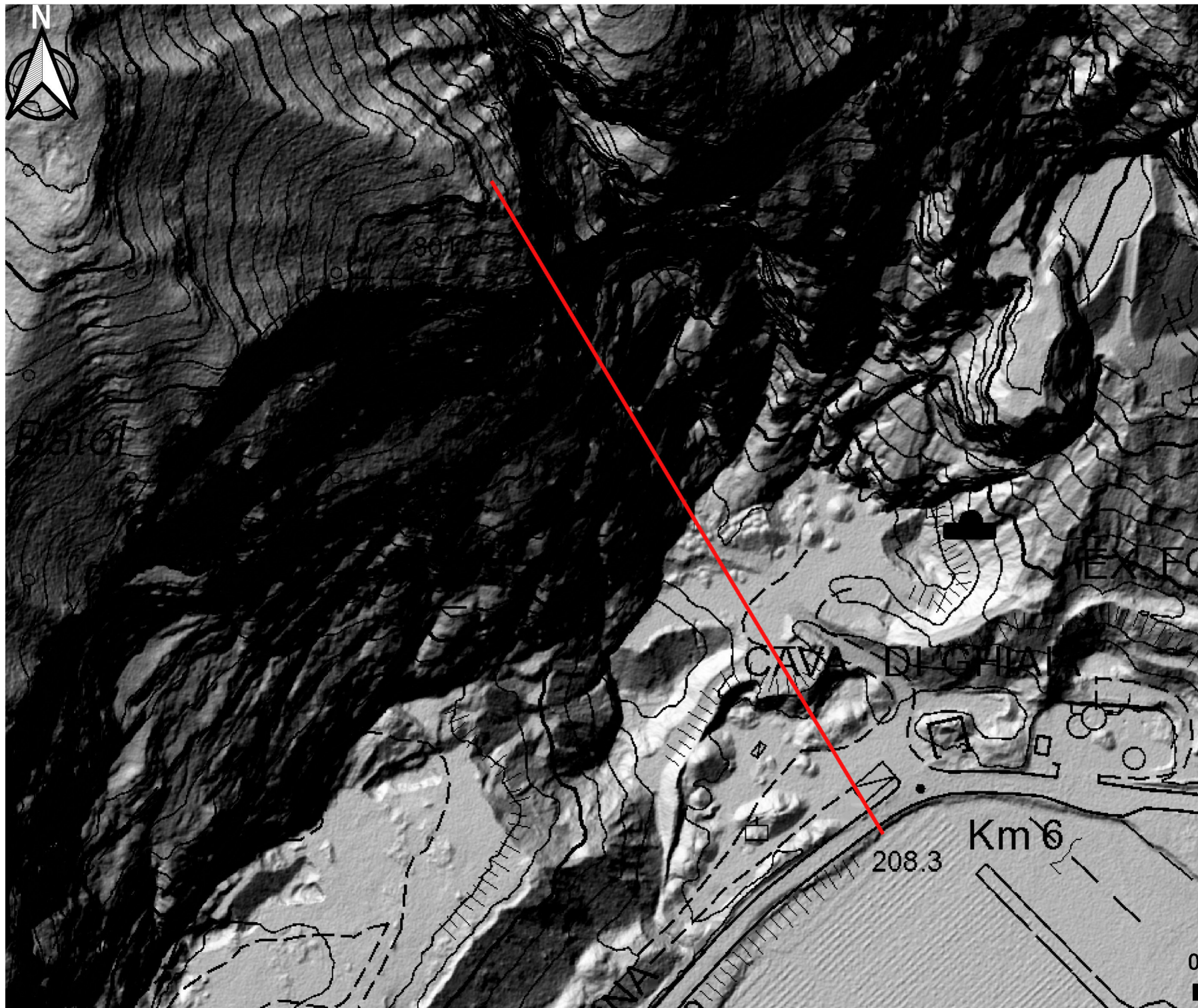


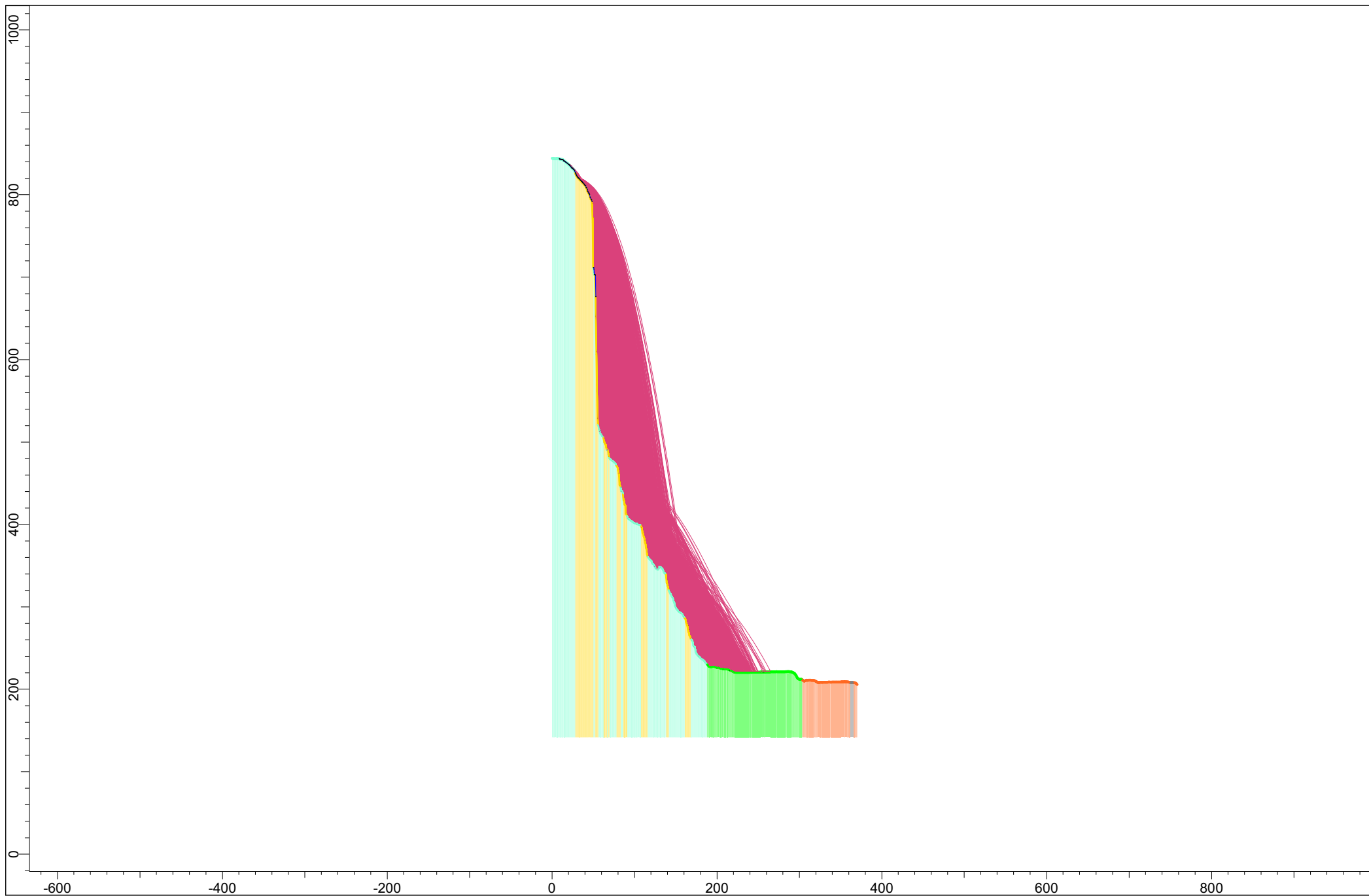
PEC e.perina@geotaspec.it
perina.emilio@gmail.com



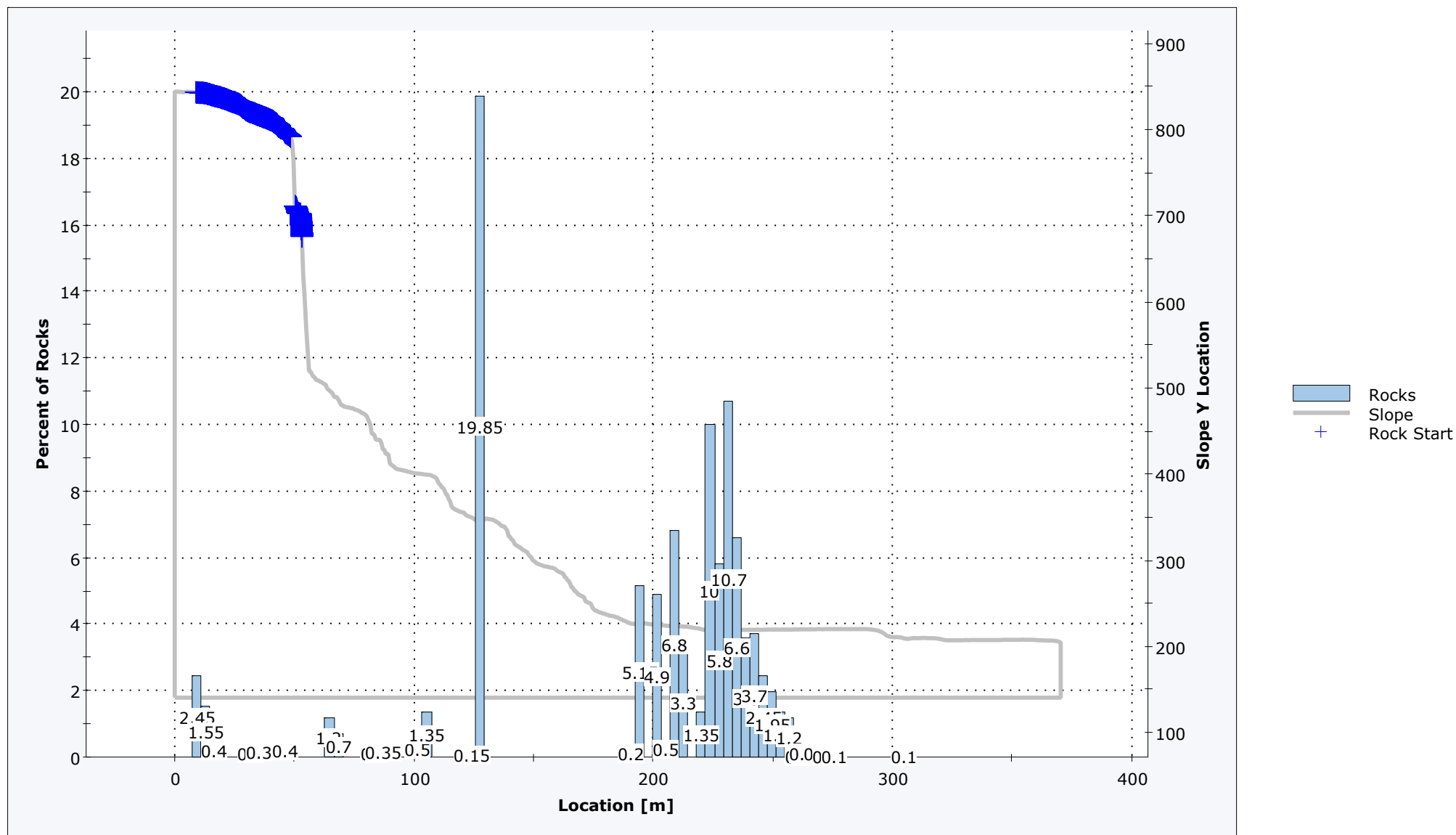
347 1663624

P.IVA 02303140228 / C.F. PRNMLE86M27L378K



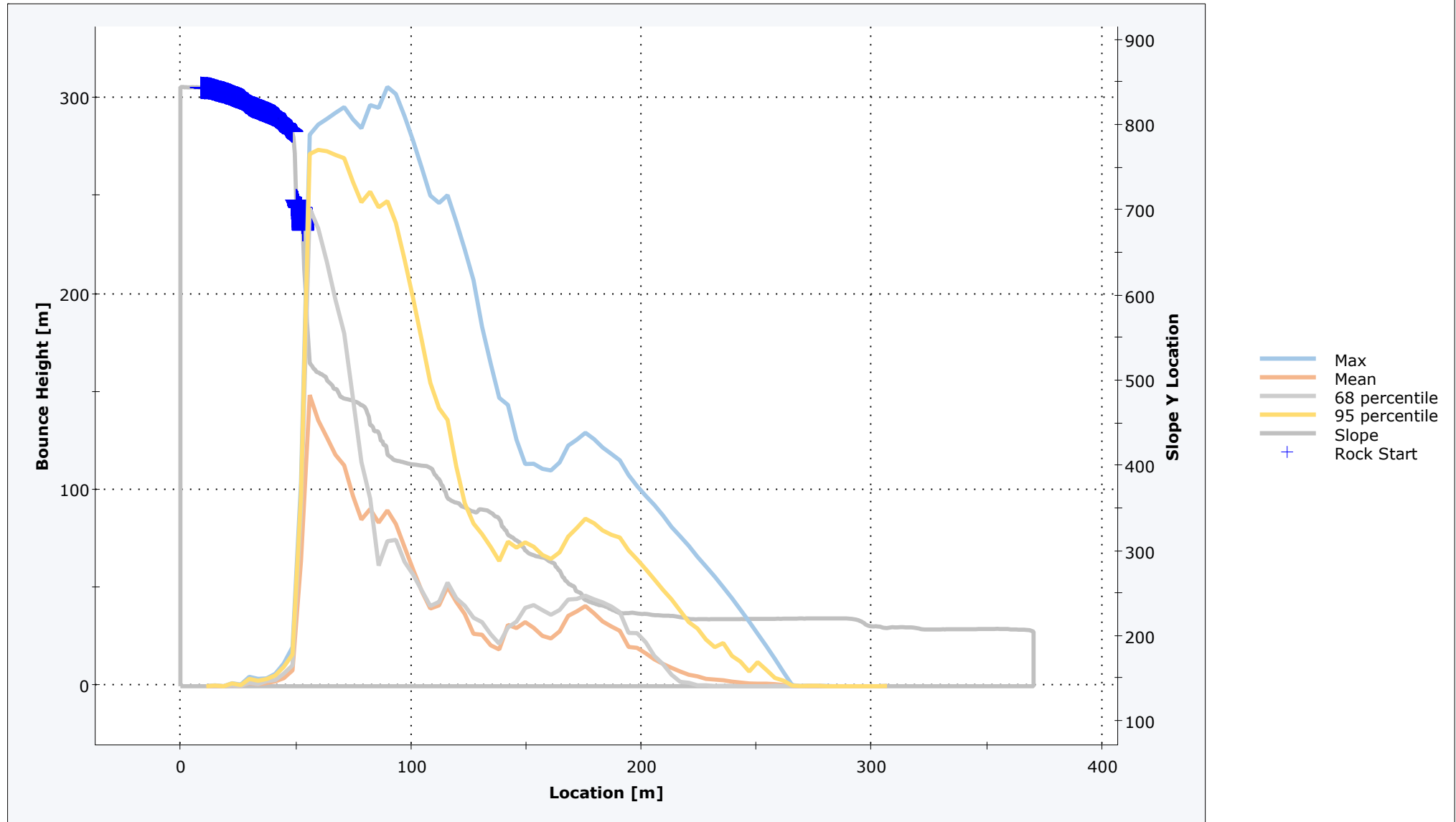


Distribution of Rock Path End Locations



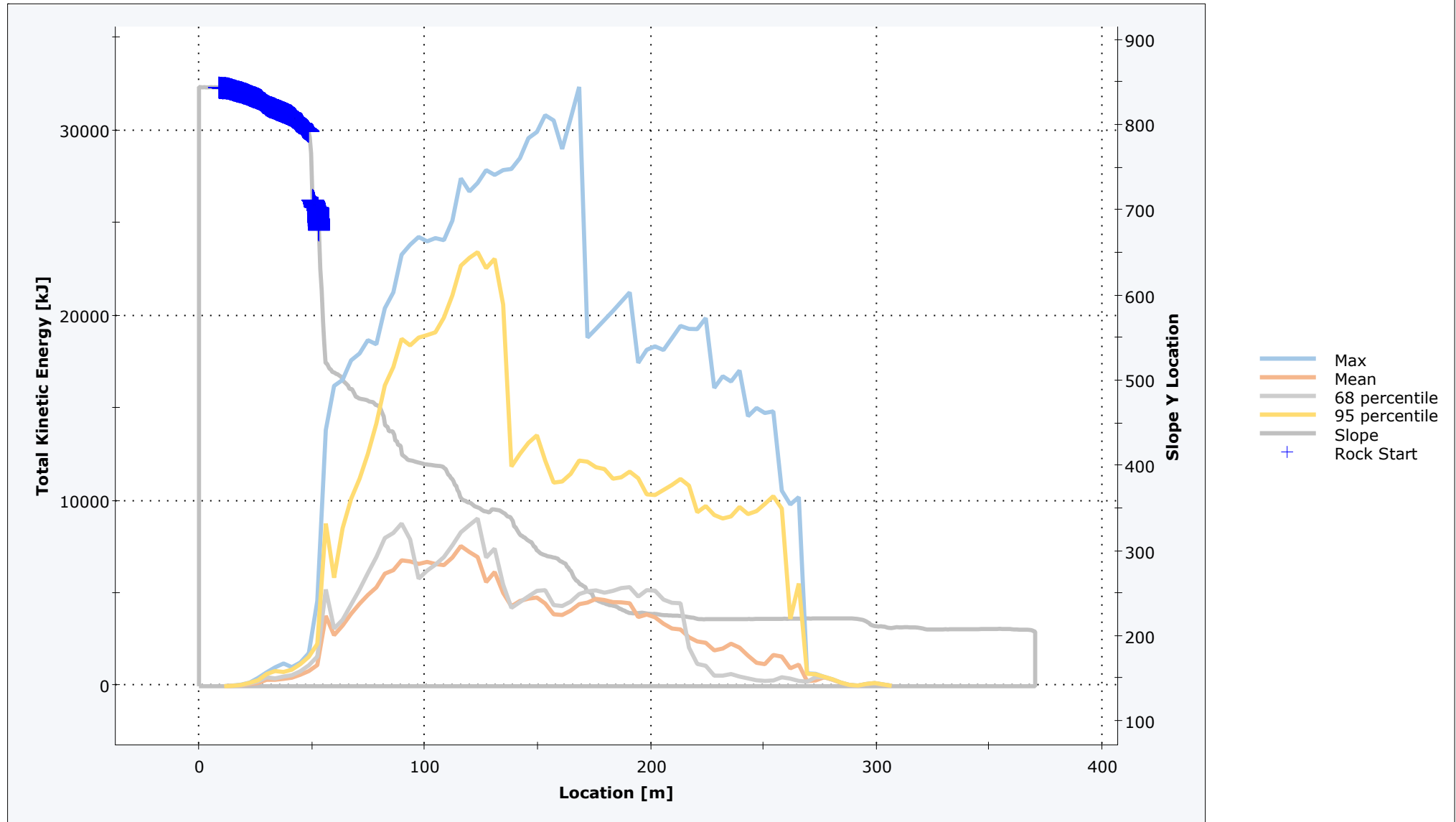
Total number of rock paths: 2000

Bounce Height on Slope



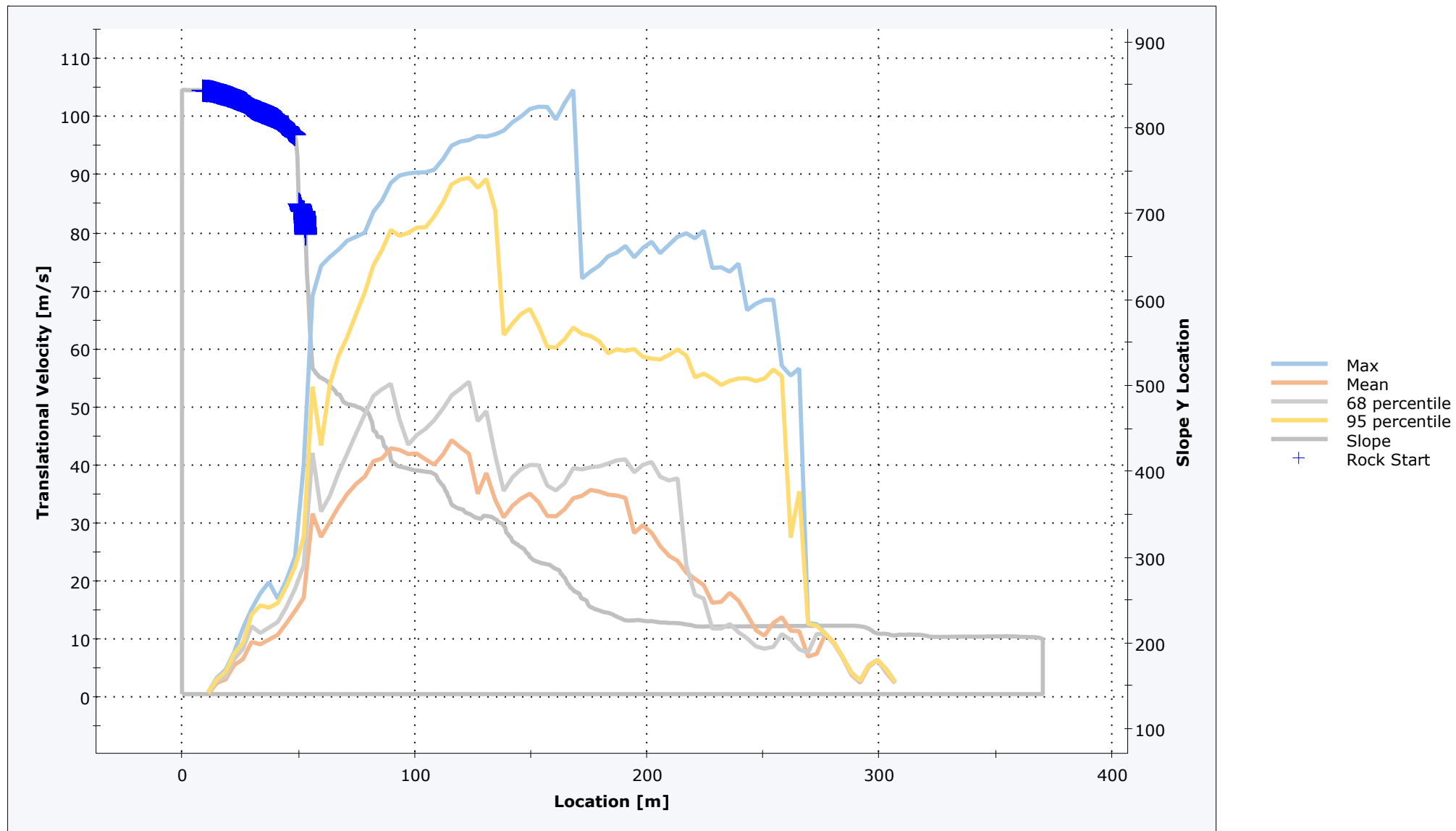
Total number of rock paths: 2000

Total Kinetic Energy on Slope

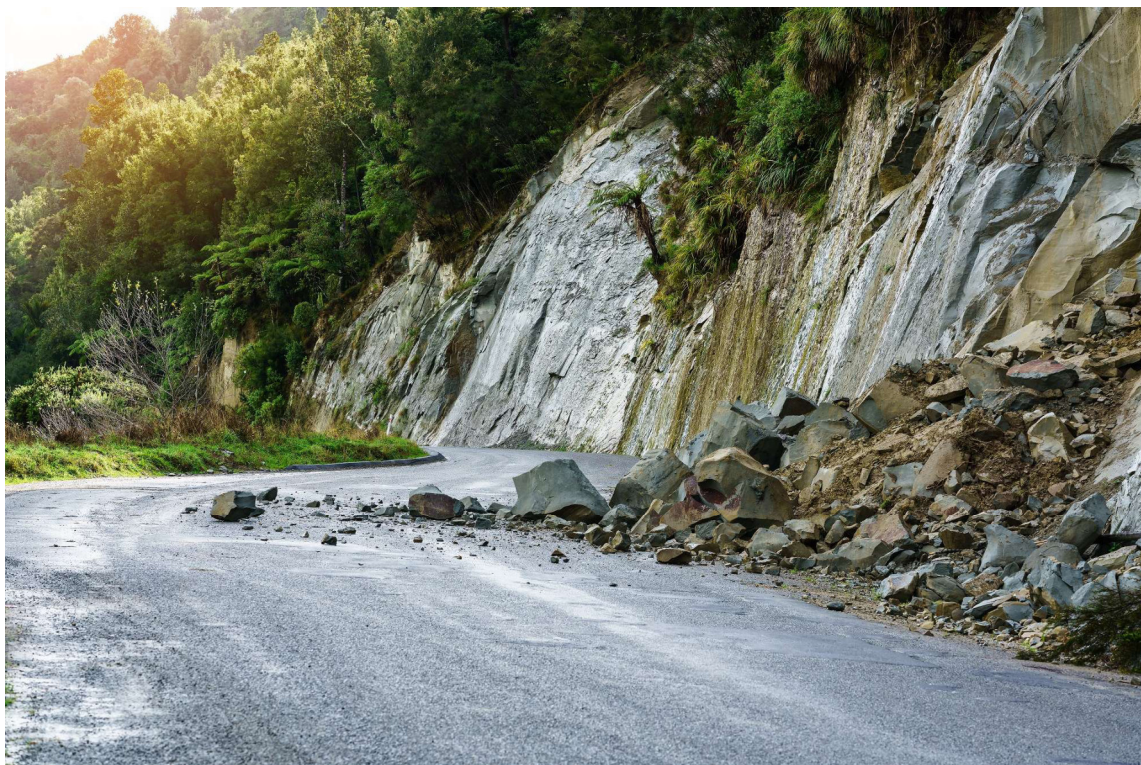


Total number of rock paths: 2000

Translational Velocity on Slope



Total number of rock paths: 2000



RocFall2 Model1_sezione_5
Date Created: 04/04/2025, 08:42:48
Software Version: 8.025

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RocFall2 Model1_sezione_5

RocFall2 Analysis Information

Project Summary

File Name	RocFall2 Model1_sezione_5
File Version	8.025
Date Created	04/04/2025, 08:42:48

Project Settings

General Settings

Engine	Lump Mass
Units	Metric (m, kg, kJ)
Rock throw mode	Number of rocks controlled by seeder

Engine Conditions

Friction angle	Use friction angle from material editor
Consider angular velocity	Yes
Maximum steps per rock	20000
Normal velocity cutoff (m/s)	0.1
Stopped velocity cutoff (m/s)	0.1
Maximum timestep (s)	0.01
Switch velocity (m/s)	-1e-09

Random Number Generation

Sampling method	Latin-Hypercube
Material Properties Sampling	Per simulation
Random seed	Pseudo-random seed: 12345234

Slope Geometry

Vertex	X	Y	X Std.Dev.	Y Std.Dev.
1	0	844.28		
2	0.583523	843.96		
3	1.16705	844.39		
4	1.75057	843.87		
5	2.33409	844.07		
6	2.91761	843.79		
7	3.50114	843.62		
8	4.08466	843.88		
9	4.66818	843.81		
10	5.25171	844.07		
11	5.83523	844.14		
12	6.41875	843.94		
13	7.00227	844.16		
14	7.5858	843.68		
15	8.16932	843.53		
16	8.75284	843.74		
17	9.33636	843.14		
18	9.91989	843.38		
19	10.5034	842.86		
20	11.0869	842.88		
21	11.6705	843.05		
22	12.254	842.68		
23	12.807	842.68		
24	13.421	842.19		
25	14.0045	841.28		
26	14.5881	841.28		
27	15.1716	840.41		
28	15.7551	840.35		
29	16.3386	839.63		
30	16.9222	839.17		
31	18.0892	838.45		
32	18.6727	838.19		
33	19.2563	837.53		
34	19.8398	836.83		
35	20.4233	836.64		
36	21.0068	835.85		
37	21.5903	835.4		
38	22.1739	834.61		
39	22.7574	833.86		
40	23.3409	833.46		
41	23.9244	832.65		
42	24.508	832.25		
43	25.0915	831.76		
44	25.675	831.01		
45	26.2585	830.55		
46	26.842	829.7		
47	27.4256	828.9		

48	28.0091	827.11
49	28.5926	825.51
50	29.1761	825.09
51	29.7597	823.08
52	30.3432	822.35
53	30.9267	821.38
54	31.5102	820.64
55	32.0938	820.34
56	32.6773	819.5
57	33.2608	819.3
58	33.8443	818.39
59	34.4278	817.54
60	35.0114	817.36
61	35.5949	816.35
62	36.1784	815.97
63	36.7619	815.18
64	37.3455	814.45
65	37.929	814.15
66	38.5125	813.25
67	39.096	812.78
68	39.6796	811.88
69	40.2631	811.16
70	40.8466	810.64
71	41.4301	808.85
72	42.0136	808.1
73	42.5972	806.56
74	43.1807	804.37
75	43.7642	803.4
76	44.3477	801.88
77	44.9313	801.75
78	45.5148	800.33
79	46.0983	797.01
80	47.2653	794.87
81	47.856	793.765
82	48.4324	792.04
83	49.0159	785.42
84	49.5994	766.6
85	50.183	711.8
86	50.7665	709.91
87	51.35	703.36
88	51.9335	703.12
89	52.5171	702.64
90	53.1006	676.32
91	53.6841	630.92
92	54.2676	606.27
93	54.8511	569.44
94	55.4347	544.92
95	56.0182	520.6
96	56.6017	520.09
97	57.1852	516.83
98	57.7688	514.15
99	58.3523	513.01
100	58.9358	510.28

101	59.5193	510.21
102	60.1028	509.33
103	60.6864	507.95
104	61.2699	507.52
105	61.8534	506.23
106	62.4369	506.21
107	63.0205	504.28
108	63.604	499.96
109	64.183	499.96
110	64.771	497.26
111	65.3546	497.28
112	65.9381	494.24
113	66.5216	490.34
114	67.037	490.34
115	67.6886	490.09
116	68.199	490.189
117	68.8557	484.55
118	69.4392	480.96
119	70.034	480.753
120	70.6063	479.27
121	71.1898	479.24
122	71.7733	478.67
123	72.3568	478.32
124	72.933	478.064
125	73.5239	477.42
126	74.262	477.076
127	74.6909	476.61
128	75.2744	475.64
129	75.898	475.407
130	76.4415	474.82
131	77.025	474.73
132	77.6085	473.2
133	78.1921	471.52
134	78.7756	471.26
135	79.3591	470.15
136	79.9426	468.87
137	80.5261	465.78
138	81.1097	461.93
139	81.6932	458.06
140	82.2767	447.86
141	82.8602	447.48
142	83.4438	445.58
143	84.0273	440.67
144	84.673	440.911
145	85.1943	440.6
146	85.688	440.6
147	86.3614	436.58
148	86.9449	429.35
149	87.549	429.598
150	88.1119	424.4
151	88.829	424.4
152	89.279	423.09
153	89.8625	413.08

154	90.446	412.99
155	91.0296	410.62
156	91.6131	409.69
157	92.1966	407.78
158	92.7801	407
159	93.3636	406.74
160	93.9472	406.2
161	94.5307	405.96
162	95.1142	405.5
163	95.6977	404.93
164	96.2813	404.86
165	96.8648	404.18
166	97.4483	404.12
167	98.0318	403.51
168	98.6154	402.8
169	99.1989	402.67
170	99.7824	402.08
171	100.366	402.14
172	100.949	401.88
173	101.533	401.5
174	102.116	401.44
175	102.7	401.14
176	103.284	401.18
177	103.867	400.79
178	104.451	400.29
179	105.034	400.32
180	105.618	400.03
181	106.201	400.15
182	106.785	399.83
183	107.368	399.1
184	107.952	399
185	108.535	397.59
186	109.119	396.32
187	109.702	393.36
188	110.286	389.84
189	110.869	388.49
190	111.453	385.84
191	112.036	384.83
192	112.62	381.98
193	113.203	377.85
194	113.787	376.7
195	114.37	371.81
196	114.954	369.53
197	115.538	363.93
198	116.121	361.24
199	116.705	360.89
200	117.288	359.36
201	117.872	359.15
202	118.455	358.16
203	119.039	357.3
204	119.622	357.18
205	120.206	356.57
206	120.789	356.19

207	121.373	354.09
208	121.956	352.82
209	122.54	352.68
210	123.123	351.68
211	123.707	351.59
212	124.29	350.19
213	124.874	348.86
214	125.457	348.28
215	126.041	347.03
216	126.624	347.07
217	127.208	346.48
218	127.791	345.63
219	128.375	345.57
220	128.959	347.04
221	129.542	349.26
222	130.126	349.39
223	130.709	348.98
224	131.293	348.99
225	131.876	348.53
226	132.46	348.44
227	133.043	347.77
228	133.627	346.89
229	134.21	346.68
230	134.794	345
231	135.377	344.1
232	135.961	342.33
233	136.544	340.96
234	137.128	340.96
235	137.686	340.02
236	138.295	340.02
237	138.878	335.44
238	139.462	329.06
239	140.045	328.18
240	140.629	325.39
241	141.213	324.35
242	141.796	320.5
243	142.38	318.6
244	142.963	318.04
245	143.547	316.55
246	144.13	316.14
247	144.714	314.47
248	145.297	313.21
249	145.881	312.61
250	146.464	311.16
251	147.048	310.61
252	147.631	308.02
253	148.215	305.52
254	148.798	304.72
255	149.382	301.24
256	149.965	300.32
257	150.549	298.79
258	151.132	297.56
259	151.716	297.48

260	152.299	296.3
261	152.883	296.12
262	153.466	295.17
263	154.05	294.42
264	154.634	294.19
265	155.217	293.63
266	155.801	293.48
267	156.384	293
268	156.968	292.54
269	157.551	292.5
270	158.135	291.77
271	158.718	291.2
272	159.302	289.65
273	159.885	288.27
274	160.469	287.92
275	161.052	286.71
276	161.636	286.48
277	162.219	285.28
278	162.803	281.94
279	163.386	280.9
280	163.97	278.18
281	164.553	277.13
282	165.137	273.55
283	165.72	269.9
284	166.324	268.931
285	166.888	265.6
286	167.471	264.98
287	168.055	262.91
288	168.638	261.17
289	169.222	261
290	169.805	259.44
291	170.389	259.33
292	170.972	258.03
293	171.556	253.31
294	172.12	252.783
295	172.723	251.86
296	173.306	251.59
297	173.89	250.1
298	174.473	245.94
299	175.057	244.3
300	175.64	242.85
301	176.224	242.55
302	176.807	241.61
303	177.391	240.71
304	177.974	240.43
305	178.558	239.69
306	179.142	239.43
307	179.725	238.71
308	180.309	237.89
309	180.892	237.63
310	181.476	237.03
311	182.059	237.02
312	182.643	236.75

313	183.226	236.08
314	183.81	235.94
315	184.393	235
316	184.977	234.71
317	185.56	233.81
318	186.144	232.7
319	186.727	232.36
320	187.311	231.32
321	187.894	231.12
322	188.478	230.28
323	189.061	228.99
324	189.645	228.69
325	190.228	227.84
326	190.812	227.82
327	191.395	227.48
328	191.979	227.2
329	192.563	227.21
330	193.146	227.36
331	193.73	227.55
332	194.313	227.58
333	194.897	227.71
334	195.48	227.9
335	196.064	228
336	196.647	227.89
337	197.231	227.55
338	197.814	227.19
339	198.398	226.97
340	198.981	226.81
341	199.565	226.57
342	200.148	226.36
343	200.732	226.53
344	201.315	226.63
345	201.899	226.54
346	202.482	226.41
347	203.066	226.11
348	203.649	225.74
349	204.233	225.6
350	204.817	225.38
351	205.4	225.37
352	205.984	225.13
353	206.567	225.01
354	207.151	224.93
355	207.734	224.85
356	208.318	224.87
357	208.901	224.73
358	209.485	224.65
359	210.068	224.65
360	210.652	224.62
361	211.235	224.61
362	211.819	224.44
363	212.402	224.38
364	212.986	224.37
365	213.569	224.17

366	214.153	224
367	214.736	223.74
368	215.32	223.48
369	215.903	223.32
370	216.487	222.89
371	217.07	222.58
372	217.654	222.44
373	218.238	222.26
374	218.821	222.05
375	219.405	221.68
376	219.988	221.34
377	220.572	220.87
378	221.155	220.57
379	221.739	220.56
380	222.322	220.59
381	222.906	220.42
382	223.489	220.32
383	224.073	220.47
384	224.656	220.47
385	225.24	220.43
386	225.823	220.37
387	226.407	220.36
388	226.99	220.4
389	227.574	220.38
390	228.157	220.38
391	228.741	220.37
392	229.324	220.34
393	229.908	220.37
394	230.492	220.4
395	231.075	220.44
396	231.659	220.4
397	232.242	220.4
398	232.826	220.47
399	233.409	220.44
400	233.993	220.44
401	234.576	220.39
402	235.16	220.46
403	235.743	220.42
404	236.327	220.37
405	236.91	220.39
406	237.494	220.5
407	238.077	220.44
408	238.661	220.49
409	239.244	220.49
410	239.828	220.5
411	240.411	220.56
412	240.995	220.56
413	241.578	220.51
414	242.162	220.47
415	242.745	220.56
416	243.329	220.63
417	243.913	220.59
418	244.496	220.59

419	245.08	220.57
420	245.663	220.61
421	246.247	220.65
422	246.83	220.73
423	247.414	220.67
424	247.997	220.73
425	248.581	220.74
426	249.164	220.69
427	249.748	220.7
428	250.331	220.78
429	250.915	220.73
430	251.498	220.73
431	252.082	220.79
432	252.665	220.79
433	253.249	220.8
434	253.832	220.84
435	254.416	220.86
436	254.999	220.8
437	255.583	220.75
438	256.167	220.87
439	256.75	220.85
440	257.334	220.82
441	257.917	220.78
442	258.501	220.82
443	259.084	220.93
444	259.668	220.9
445	260.251	220.85
446	260.835	220.94
447	261.418	220.96
448	262.002	220.94
449	262.585	221
450	263.169	221.01
451	263.752	221.01
452	264.336	221.03
453	264.919	221.15
454	265.503	221.14
455	266.086	221.1
456	266.67	221.15
457	267.253	221.13
458	267.837	221.12
459	268.42	221.18
460	269.004	221.18
461	269.588	221.19
462	270.171	221.22
463	270.755	221.15
464	271.338	221.16
465	271.922	221.26
466	272.505	221.31
467	273.089	221.23
468	273.672	221.16
469	274.256	221.18
470	274.839	221.22
471	275.423	221.24

472	276.006	221.17
473	276.59	221.22
474	277.173	221.27
475	277.757	221.22
476	278.34	221.21
477	278.924	221.26
478	279.507	221.24
479	280.091	221.2
480	280.674	221.24
481	281.258	221.27
482	281.842	221.24
483	282.425	221.25
484	283.009	221.25
485	283.592	221.33
486	284.176	221.3
487	284.759	221.37
488	285.343	221.38
489	285.926	221.38
490	286.51	221.33
491	287.093	221.34
492	287.677	221.32
493	288.26	221.3
494	288.844	221.25
495	289.427	221.22
496	290.011	221.07
497	290.594	220.97
498	291.178	220.71
499	291.761	220.5
500	292.345	220.16
501	292.928	219.83
502	293.512	219.67
503	294.095	219.23
504	294.679	218.42
505	295.263	217.66
506	295.846	216.83
507	296.43	215.83
508	297.013	214.31
509	297.597	213.52
510	298.18	212.98
511	298.764	212.44
512	299.347	212.26
513	299.931	212.06
514	300.514	211.94
515	301.098	211.96
516	301.681	212.05
517	302.265	211.97
518	302.848	211.97
519	303.432	211.58
520	304.015	210.99
521	304.599	210.41
522	305.182	210.2
523	305.766	209.84
524	306.349	210

525	306.933	210.16
526	307.517	210.51
527	308.1	210.87
528	308.684	210.98
529	309.267	210.96
530	309.851	210.87
531	310.434	210.89
532	311.018	210.91
533	311.601	210.91
534	312.185	210.92
535	312.768	211
536	313.352	211.07
537	313.935	210.97
538	314.519	210.85
539	315.102	210.85
540	315.686	210.87
541	316.269	210.83
542	316.853	210.75
543	317.436	210.65
544	318.02	210.52
545	318.603	210.31
546	319.187	210.02
547	319.77	209.79
548	320.354	209.33
549	320.938	208.99
550	321.521	208.62
551	322.105	208.31
552	322.688	208.28
553	323.272	208.29
554	323.855	208.32
555	324.439	208.34
556	325.022	208.44
557	325.606	208.42
558	326.189	208.44
559	326.773	208.4
560	327.356	208.35
561	327.94	208.44
562	328.523	208.44
563	329.107	208.41
564	329.69	208.49
565	330.274	208.51
566	330.857	208.55
567	331.441	208.49
568	332.024	208.52
569	332.608	208.51
570	333.192	208.51
571	333.775	208.54
572	334.359	208.52
573	334.942	208.62
574	335.526	208.63
575	336.109	208.61
576	336.693	208.63
577	337.276	208.64

578	337.86	208.59
579	338.443	208.55
580	339.027	208.62
581	339.61	208.65
582	340.194	208.72
583	340.777	208.64
584	341.361	208.64
585	341.944	208.69
586	342.528	208.71
587	343.111	208.71
588	343.695	208.73
589	344.278	208.73
590	344.862	208.75
591	345.446	208.76
592	346.029	208.77
593	346.613	208.78
594	347.196	208.78
595	347.78	208.8
596	348.363	208.82
597	348.947	208.82
598	349.53	208.84
599	350.114	208.84
600	350.697	208.86
601	351.281	208.87
602	351.864	208.88
603	352.448	208.89
604	353.031	208.92
605	353.615	209.01
606	354.198	209.09
607	354.782	209.15
608	355.365	208.94
609	355.949	208.96
610	356.532	208.99
611	357.116	208.97
612	357.699	208.9
613	358.283	208.84
614	358.867	208.86
615	359.45	208.68
616	360.034	208.48
617	360.617	208.38
618	361.201	208.38
619	361.784	208.29
620	362.368	208.26
621	362.951	208.22
622	363.535	208.2
623	364.118	208.15
624	364.702	208.18
625	365.285	208.11
626	365.869	208.09
627	366.452	208.04
628	367.036	207.92
629	367.619	207.76
630	368.203	207.48

631	368.786	206.92
632	369.37	206.56
633	369.953	205.65

Slope Material Assignment

Material	From Vertex	To Vertex
Limestone weathered	1	48
Limestone clean	48	85
Limestone weathered	85	88
Limestone clean	88	95
Limestone weathered	95	106
Limestone clean	106	113
Limestone weathered	113	115
Limestone clean	115	118
Limestone weathered	118	133
Limestone clean	133	142
Limestone weathered	142	147
Limestone clean	147	155
Limestone weathered	155	184
Limestone clean	184	198
Limestone weathered	198	236
Limestone clean	236	242
Limestone weathered	242	275
Limestone clean	275	288
Limestone weathered	288	321
Talus Cover	321	519
Manmade	519	619
Asphalt	619	626
Manmade	626	633

Material Properties

Talus Cover

"Talus Cover" Properties

Color					
	Mean	Distribution	Std.Dev.	Rel. Min	Rel. Max
Normal Restitution	0.31	Normal	0.04	0.12	0.12
Tangential Restitution	0.81	Normal	0.04	0.12	0.12
Friction Angle (°)	12.38	None			
Slope Roughness (°)		None			

Asphalt

"Asphalt" Properties

Color					
	Mean	Distribution	Std.Dev.	Rel. Min	Rel. Max
Normal Restitution	0.45	Normal	0.01	0.03	0.03
Tangential Restitution	0.95	Normal	0.01	0.03	0.03
Friction Angle (°)	30	None			
Slope Roughness (°)		None			

Limestone weathered

"Limestone weathered" Properties

Color					
	Mean	Distribution	Std.Dev.	Rel. Min	Rel. Max
Normal Restitution	0.36	Normal	0.04	0.12	0.12
Tangential Restitution	0.87	Normal	0.04	0.12	0.12
Friction Angle (°)	10	None			
Slope Roughness (°)		None			

Limestone clean

"Limestone clean" Properties

Color					
	Mean	Distribution	Std.Dev.	Rel. Min	Rel. Max
Normal Restitution	0.4	Normal	0.04	0.12	0.12
Tangential Restitution	0.9	Normal	0.03	0.09	0.09
Friction Angle (°)	22	None			
Slope Roughness (°)		None			

Manmade**"Manmade" Properties**

Color					
	Mean	Distribution	Std.Dev.	Rel. Min	Rel. Max
Normal Restitution	0.3	Normal	0.04	0.12	0.12
Tangential Restitution	0.8	Normal	0.04	0.12	0.12
Friction Angle (°)	30	None			
Slope Roughness (°)		None			

Seeders

Seeder 1

Seeder Properties

Name	Seeder 1 (8.75284, 843.74), (9.33636, 843.14), (9.91989, 843.38), (10.5034, 842.86), (11.0869, 842.88), (11.6705, 843.05), (12.254, 842.68), (12.807, 842.68), (13.421, 842.19), (14.0045, 841.28), (14.5881, 841.28), (15.1716, 840.41), (15.7551, 840.35), (16.3386, 839.63), (16.9222, 839.17), (18.0892, 838.45), (18.6727, 838.19), (19.2563, 837.53), (19.8398, 836.83), (20.4233, 836.64), (21.0068, 835.85), (21.5903, 835.4), (22.1739, 834.61), (22.7574, 833.86), (23.3409, 833.46), (23.9244, 832.65), (24.508, 832.25), (25.0915, 831.76), (25.675, 831.01), (26.2585, 830.55), (26.842, 829.7), (27.4256, 828.9), (28.0091, 827.11), (28.5926, 825.51), (29.1761, 825.09), (29.7597, 823.08), (30.3432, 822.35), (30.9267, 821.38), (31.5102, 820.64), (32.0938, 820.34), (32.6773, 819.5), (33.2608, 819.3), (33.8443, 818.39), (34.4278, 817.54), (35.0114, 817.36), (35.5949, 816.35), (36.1784, 815.97), (36.7619, 815.18), (37.3455, 814.45),
Location	

(37.929, 814.15),
 (38.5125, 813.25),
 (39.096, 812.78),
 (39.6796, 811.88),
 (40.2631, 811.16),
 (40.8466, 810.64),
 (41.4301, 808.85),
 (42.0136, 808.1),
 (42.5972, 806.56),
 (43.1807, 804.37),
 (43.7642, 803.4),
 (44.3477, 801.88),
 (44.9313, 801.75),
 (45.5148, 800.33),
 (46.0983, 797.01),
 (47.2653, 794.87),
 (47.856, 793.765),
 (48.4324, 792.04)

Rocks to Throw

Number of Rocks 1000 Overall
 Rock Types Group 1

Initial Conditions

	Mean	Distribution	Std.Dev.	Rel. Min	Rel. Max
Horizontal Velocity (m/s)	0.5	Normal	0.15	0.45	0.45
Vertical Velocity (m/s)	0.5	Normal	0.15	0.45	0.45
Rotational Velocity (deg/s)	0	None			
Initial Rotation (deg/s)	0	Uniform		0	360

Seeder 2**Seeder Properties**

Name Seeder 2
 (50.183, 711.8),
 (50.7665, 709.91),
 (51.35, 703.36),
 (51.9335, 703.12),
 (52.5171, 702.64),
 (53.1006, 676.32)

Rocks to Throw

Number of Rocks 1000 Overall
 Rock Types Group 1

Initial Conditions

	Mean	Distribution	Std.Dev.	Rel. Min	Rel. Max
Horizontal Velocity (m/s)	0.5	Normal	0.15	0.45	0.45
Vertical Velocity (m/s)	0.5	Normal	0.15	0.45	0.45
Rotational Velocity (deg/s)	0	None			
Initial Rotation (deg/s)	0	Uniform		0	360

Rock Types

Group 1

Properties					
Name	Group 1				
Color					
	Mean	Distribution	Std.Dev.	Rel. Min	Rel. Max
Mass (kg)	5787.8	Normal	100	300	300
Density (kg/m3)	2600	Normal	0.15	0.45	0.45

Summary Results

Run Properties

Simulation Time (s)	0.54		
Envelope data:			
	Max	Mean	95%
Envelope Bounce Height (m)	307.5	147.8	274.9
Envelope Total Kinetic Energy (kJ)	2.364e+04	7681	2.364e+04
Envelope Translational Kinetic Energy (kJ)	2.352e+04	7316	2.352e+04
Envelope Rotational Kinetic Energy (kJ)	1933	462.1	1933
Envelope Translational Kinetic Velocity (m/s)	90.14	44.84	90.14
Envelope Rotational Kinetic Velocity (rad/s)	50.52	23	50.52

Stopping Reason

CONTINUE	0
Invalid Start Location	0
Invalid Slope Geometry	0
Invalid bad crest loss definition	0
Invalid relative size between rock and slope	0
Max Steps	0
Edge Model	0
Stopped	2000
Stopped (wedged)	0
Stopped (chattering)	0
Hit Barrier	0
Hit Berm with infinite capacity	0
No collision found	0
Bad Collision Geometry (location before)	0
Rock is freefalling onto a spike or a trough	0
END_ERROR_UNKNOWN	0
END_ERROR_POSITIVE_GAP	0
Bad collision calculation	0
Bad Collision Geometry (0 intersection)	0
Bad Collision Geometry (location after)	0
Bad Collision Geometry (missing intersection)	0
Error during results reading	0
Total Rocks	2000

Generated Path Details

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
0	Group 1	Sphere	24.4	832.3	99.45	0.461	0.7167	0
1	Group 1	Sphere	23.62	833.1	289.9	0.3307	0.7586	0
2	Group 1	Sphere	33.75	818.5	153.6	0.3776	0.6483	0
3	Group 1	Sphere	13.39	842.2	211.9	0.2703	0.6725	0
4	Group 1	Sphere	27.8	827.8	72.19	0.4058	0.322	0
5	Group 1	Sphere	43.85	803.2	320.4	0.6395	0.6359	0
6	Group 1	Sphere	38.84	813	253.6	0.7544	0.4072	0
7	Group 1	Sphere	17.38	838.9	63.74	0.4521	0.8784	0
8	Group 1	Sphere	28.51	825.7	3.483	0.3841	0.5133	0
9	Group 1	Sphere	43.39	804	243.9	0.4897	0.2867	0
10	Group 1	Sphere	45.08	801.4	335.2	0.3622	0.5845	0
11	Group 1	Sphere	36.91	815	160.6	0.5631	0.5314	0
12	Group 1	Sphere	44.02	802.7	15.65	0.6201	0.5394	0
13	Group 1	Sphere	25.09	831.8	257.9	0.5979	0.499	0
14	Group 1	Sphere	11.91	842.9	320.3	0.3919	0.6015	0
15	Group 1	Sphere	12.92	842.6	149.3	0.695	0.4616	0
16	Group 1	Sphere	46.46	796.3	117.6	0.5174	0.6109	0
17	Group 1	Sphere	38.57	813.2	96.46	0.65	0.5481	0
18	Group 1	Sphere	19.49	837.2	113.7	0.2776	0.5033	0
19	Group 1	Sphere	17.19	839	70.85	0.539	0.4239	0
20	Group 1	Sphere	27.61	828.3	343.2	0.1835	0.5552	0
21	Group 1	Sphere	25.96	830.8	50.56	0.6762	0.4743	0
22	Group 1	Sphere	42.24	807.5	249.1	0.6162	0.7819	0
23	Group 1	Sphere	44.88	801.8	16.91	0.8068	0.3506	0
24	Group 1	Sphere	30.17	822.6	324.9	0.5209	0.3372	0
25	Group 1	Sphere	39.69	811.9	76.16	0.4386	0.5697	0
26	Group 1	Sphere	20.32	836.7	242.2	0.4972	0.5716	0
27	Group 1	Sphere	39.04	812.8	179.7	0.5869	0.6608	0
28	Group 1	Sphere	21.28	835.6	341.3	0.4337	0.603	0
29	Group 1	Sphere	34.34	817.7	184.7	0.4408	0.2801	0
30	Group 1	Sphere	46.02	797.5	175.7	0.4006	0.6907	0
31	Group 1	Sphere	15.83	840.3	344.4	0.5945	0.3826	0
32	Group 1	Sphere	13.57	842	208.8	0.4677	0.6871	0
33	Group 1	Sphere	33.15	819.3	135.2	0.3441	0.7531	0
34	Group 1	Sphere	33.9	818.3	78.62	0.2684	0.2406	0
35	Group 1	Sphere	44.25	802.1	310.4	0.4142	0.5612	0
36	Group 1	Sphere	39.16	812.7	19.04	0.4204	0.7616	0
37	Group 1	Sphere	48.28	792.5	111.2	0.494	0.2767	0
38	Group 1	Sphere	32.32	820	267.3	0.2171	0.4399	0
39	Group 1	Sphere	26.91	829.6	204.3	0.6884	0.6408	0
40	Group 1	Sphere	35.54	816.5	242.9	0.5524	0.5774	0
41	Group 1	Sphere	46.56	796.2	224.7	0.56	0.5271	0
42	Group 1	Sphere	16.14	839.9	295.1	0.2962	0.1249	0
43	Group 1	Sphere	47.86	793.8	319.4	0.6513	0.4056	0
44	Group 1	Sphere	43.97	802.9	191.9	0.3665	0.7111	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
45	Group 1	Sphere	19.02	837.8	292.5	0.6536	0.4292	0
46	Group 1	Sphere	33.62	818.7	2.044	0.1769	0.3256	0
47	Group 1	Sphere	14.87	840.9	171.7	0.3641	0.5702	0
48	Group 1	Sphere	20.57	836.4	71.33	0.4363	0.5546	0
49	Group 1	Sphere	25.7	831	112.3	0.3792	0.5957	0
50	Group 1	Sphere	41.01	810.1	304.2	0.3529	0.3633	0
51	Group 1	Sphere	36.48	815.6	289.2	0.4635	0.5219	0
52	Group 1	Sphere	28.54	825.7	0.2467	0.4869	0.414	0
53	Group 1	Sphere	31.31	820.9	113.3	0.586	0.524	0
54	Group 1	Sphere	9.469	843.2	131.2	0.253	0.5538	0
55	Group 1	Sphere	44.73	801.8	40.35	0.6207	0.583	0
56	Group 1	Sphere	32.19	820.2	204.7	0.6086	0.2318	0
57	Group 1	Sphere	15.68	840.4	183.9	0.6344	0.5868	0
58	Group 1	Sphere	27.3	829.1	330.5	0.4987	0.6938	0
59	Group 1	Sphere	42.7	806.2	287.7	0.5259	0.4505	0
60	Group 1	Sphere	44.49	801.8	233.4	0.3657	0.2921	0
61	Group 1	Sphere	44.59	801.8	28.41	0.628	0.6824	0
62	Group 1	Sphere	42.4	807.1	189	0.3757	0.5816	0
63	Group 1	Sphere	11.47	843	252.1	0.4482	0.4477	0
64	Group 1	Sphere	46.52	796.2	233	0.6805	0.5783	0
65	Group 1	Sphere	45.19	801.1	243.7	0.5227	0.4228	0
66	Group 1	Sphere	38.31	813.6	263.1	0.4441	0.294	0
67	Group 1	Sphere	28.29	826.3	309.5	0.3194	0.3125	0
68	Group 1	Sphere	18.79	838.1	190.2	0.5604	0.3451	0
69	Group 1	Sphere	23.7	833	292	0.9492	0.3051	0
70	Group 1	Sphere	30.24	822.5	182.8	0.6577	0.738	0
71	Group 1	Sphere	35.19	817.1	78.14	0.5136	0.4025	0
72	Group 1	Sphere	35.41	816.7	356.7	0.5332	0.4612	0
73	Group 1	Sphere	21.2	835.7	88.65	0.2973	0.4207	0
74	Group 1	Sphere	34.75	817.4	122.4	0.3871	0.6005	0
75	Group 1	Sphere	42.75	806	21.86	0.3217	0.3914	0
76	Group 1	Sphere	42.26	807.4	312.7	0.5657	0.3879	0
77	Group 1	Sphere	29.41	824.3	323.6	0.2277	0.2084	0
78	Group 1	Sphere	46.25	796.7	156.9	0.2296	0.3573	0
79	Group 1	Sphere	24.82	832	160.5	0.4152	0.3668	0
80	Group 1	Sphere	45.01	801.6	95.92	0.5382	0.6243	0
81	Group 1	Sphere	17.06	839.1	225.5	0.4194	0.09736	0
82	Group 1	Sphere	41.98	808.1	244.4	0.6827	0.5213	0
83	Group 1	Sphere	12.12	842.8	289	0.5675	0.5128	0
84	Group 1	Sphere	37.3	814.5	147.4	0.8467	0.2667	0
85	Group 1	Sphere	29.31	824.6	203.7	0.7465	0.706	0
86	Group 1	Sphere	37	814.9	226.3	0.6355	0.4438	0
87	Group 1	Sphere	42.52	806.8	181.1	0.557	0.4487	0
88	Group 1	Sphere	45.25	801	118	0.6408	0.7777	0
89	Group 1	Sphere	43.8	803.3	308.6	0.7689	0.5375	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
90	Group 1	Sphere	30.83	821.5	149.8	0.5737	0.4411	0
91	Group 1	Sphere	26.59	830.1	35.51	0.4446	0.4242	0
92	Group 1	Sphere	46.6	796.1	172.9	0.5158	0.5591	0
93	Group 1	Sphere	38.04	814	121.7	0.3809	0.3167	0
94	Group 1	Sphere	30.46	822.2	108.2	0.4514	0.3289	0
95	Group 1	Sphere	8.97	843.5	48.16	0.4856	0.6396	0
96	Group 1	Sphere	31.03	821.3	45.54	0.3255	0.3197	0
97	Group 1	Sphere	24.18	832.5	179.5	0.3228	0.6218	0
98	Group 1	Sphere	26.45	830.3	248.1	0.5516	0.4652	0
99	Group 1	Sphere	38.13	813.8	96.63	0.5417	0.6042	0
100	Group 1	Sphere	48.03	793.2	247.6	0.3829	0.6213	0
101	Group 1	Sphere	27.64	828.2	106.3	0.7435	0.532	0
102	Group 1	Sphere	9.648	843.3	271.3	0.5672	0.3057	0
103	Group 1	Sphere	41.04	810	178.7	0.3565	0.6146	0
104	Group 1	Sphere	33.1	819.4	232.9	0.4077	0.6488	0
105	Group 1	Sphere	21.92	834.9	244.9	0.3882	0.5428	0
106	Group 1	Sphere	46.35	796.6	264.8	0.5964	0.4078	0
107	Group 1	Sphere	43.89	803.1	265.5	0.5641	0.6587	0
108	Group 1	Sphere	47.74	794	328.9	0.6119	0.321	0
109	Group 1	Sphere	12.84	842.7	166.3	0.6924	0.4483	0
110	Group 1	Sphere	32.4	819.9	317.5	0.4955	0.6622	0
111	Group 1	Sphere	27.55	828.5	199.1	0.6249	0.4029	0
112	Group 1	Sphere	13.96	841.4	97.48	0.58	0.5949	0
113	Group 1	Sphere	45.65	799.6	315.5	0.4235	0.52	0
114	Group 1	Sphere	16.19	839.8	69.72	0.5456	0.4257	0
115	Group 1	Sphere	22.54	834.1	62.09	0.4423	0.5203	0
116	Group 1	Sphere	13.33	842.3	248.5	0.5454	0.4134	0
117	Group 1	Sphere	38.34	813.5	118.3	0.4872	0.3969	0
118	Group 1	Sphere	37.61	814.3	339.7	0.2023	0.6128	0
119	Group 1	Sphere	46.75	795.8	152.9	0.7225	0.2812	0
120	Group 1	Sphere	38.65	813.1	338	0.4038	0.6136	0
121	Group 1	Sphere	48.17	792.8	19.52	0.4793	0.4668	0
122	Group 1	Sphere	40.84	810.6	101.3	0.5653	0.5017	0
123	Group 1	Sphere	15.15	840.4	5.859	0.2784	0.4319	0
124	Group 1	Sphere	38.05	814	305.6	0.4091	0.5189	0
125	Group 1	Sphere	33.67	818.7	264.5	0.3676	0.6457	0
126	Group 1	Sphere	11.58	843	72.81	0.4997	0.4889	0
127	Group 1	Sphere	30.8	821.6	163.1	0.673	0.5103	0
128	Group 1	Sphere	19.15	837.6	337.3	0.4953	0.596	0
129	Group 1	Sphere	13.78	841.6	327.5	0.4315	0.4069	0
130	Group 1	Sphere	13.43	842.2	241.3	0.4751	0.7187	0
131	Group 1	Sphere	27.63	828.3	24.24	0.3449	0.7708	0
132	Group 1	Sphere	47.47	794.5	350.1	0.378	0.3809	0
133	Group 1	Sphere	26.04	830.7	236.1	0.2311	0.3358	0
134	Group 1	Sphere	41.93	808.2	206.8	0.3406	0.667	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
135	Group 1	Sphere	40.03	811.5	248	0.6708	0.5431	0
136	Group 1	Sphere	41.27	809.3	298.7	0.5906	0.5487	0
137	Group 1	Sphere	45.9	798.2	174.5	0.6456	0.4917	0
138	Group 1	Sphere	41.7	808.5	331.9	0.5098	0.7077	0
139	Group 1	Sphere	25.23	831.6	10.32	0.4609	0.6463	0
140	Group 1	Sphere	28	827.1	265.9	0.4594	0.4856	0
141	Group 1	Sphere	42.31	807.3	235.7	0.6287	0.6055	0
142	Group 1	Sphere	42.06	808	25.35	0.6148	0.421	0
143	Group 1	Sphere	43.61	803.7	20.17	0.4113	0.4605	0
144	Group 1	Sphere	29.21	825	341.1	0.7	0.5307	0
145	Group 1	Sphere	38.26	813.6	336	0.5123	0.5493	0
146	Group 1	Sphere	33.02	819.4	159.6	0.2362	0.4232	0
147	Group 1	Sphere	19.91	836.8	164.2	0.5069	0.5322	0
148	Group 1	Sphere	40.26	811.2	136.9	0.4245	0.5683	0
149	Group 1	Sphere	38.97	812.9	251.3	0.7206	0.1573	0
150	Group 1	Sphere	45.69	799.3	158.2	0.5294	0.6989	0
151	Group 1	Sphere	9.922	843.4	220.9	0.4687	0.611	0
152	Group 1	Sphere	45.4	800.6	46.51	0.5026	0.3961	0
153	Group 1	Sphere	46.34	796.6	112.3	0.5303	0.4851	0
154	Group 1	Sphere	32.68	819.5	27.14	0.6041	0.478	0
155	Group 1	Sphere	46.66	796	130.8	0.3886	0.5573	0
156	Group 1	Sphere	14.79	841	168.1	0.7062	0.4364	0
157	Group 1	Sphere	33.54	818.9	322.8	0.2927	0.3494	0
158	Group 1	Sphere	21.08	835.8	15.31	0.4845	0.521	0
159	Group 1	Sphere	25.58	831.1	127.2	0.273	0.2526	0
160	Group 1	Sphere	27.24	829.2	313.7	0.6809	0.6566	0
161	Group 1	Sphere	15.24	840.4	217.5	0.2933	0.422	0
162	Group 1	Sphere	30.33	822.4	232	0.3679	0.3132	0
163	Group 1	Sphere	27.58	828.4	340.1	0.5624	0.4528	0
164	Group 1	Sphere	28.07	826.9	179	0.3552	0.4061	0
165	Group 1	Sphere	29.69	823.3	58.01	0.34	0.3339	0
166	Group 1	Sphere	42.79	805.8	56.93	0.6743	0.1425	0
167	Group 1	Sphere	40.82	810.7	22.68	0.5033	0.3455	0
168	Group 1	Sphere	25.59	831.1	107.3	0.5772	0.5099	0
169	Group 1	Sphere	40.98	810.2	110.3	0.687	0.4556	0
170	Group 1	Sphere	41.33	809.1	357.3	0.5359	0.2629	0
171	Group 1	Sphere	42.56	806.7	300.7	0.3185	0.6519	0
172	Group 1	Sphere	45.21	801.1	278.4	0.4164	0.6838	0
173	Group 1	Sphere	44.05	802.7	52.87	0.4251	0.7346	0
174	Group 1	Sphere	25.66	831	38.47	0.425	0.5261	0
175	Group 1	Sphere	42.11	807.8	101	0.2587	0.6996	0
176	Group 1	Sphere	10.89	842.9	276.1	0.7725	0.4885	0
177	Group 1	Sphere	14.96	840.7	125.9	0.6102	0.5444	0
178	Group 1	Sphere	39.51	812.1	67.24	0.3747	0.5095	0
179	Group 1	Sphere	46.44	796.4	326.6	0.5551	0.3714	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
180	Group 1	Sphere	16.43	839.6	298.3	0.6011	0.4458	0
181	Group 1	Sphere	27.83	827.7	148.4	0.4452	0.6956	0
182	Group 1	Sphere	34.05	818.1	110.1	0.2736	0.3501	0
183	Group 1	Sphere	47.95	793.5	306.6	0.2437	0.3002	0
184	Group 1	Sphere	11.28	842.9	168.6	0.6442	0.3815	0
185	Group 1	Sphere	28.83	825.3	105.4	0.5106	0.3147	0
186	Group 1	Sphere	17.1	839.1	219.8	0.3311	0.3568	0
187	Group 1	Sphere	25.4	831.4	62.66	0.307	0.9186	0
188	Group 1	Sphere	18.94	837.9	29.68	0.2512	0.2633	0
189	Group 1	Sphere	20.47	836.6	37.89	0.4211	0.2745	0
190	Group 1	Sphere	35.36	816.8	128.8	0.5956	0.3655	0
191	Group 1	Sphere	18.78	838.1	173.9	0.3452	0.5459	0
192	Group 1	Sphere	25.3	831.5	245.3	0.3166	0.704	0
193	Group 1	Sphere	32.33	820	62.35	0.3491	0.4153	0
194	Group 1	Sphere	14.49	841.3	201.4	0.5109	0.3928	0
195	Group 1	Sphere	20.62	836.4	177.8	0.1864	0.5007	0
196	Group 1	Sphere	40.14	811.3	52.11	0.7067	0.463	0
197	Group 1	Sphere	41	810.2	122.1	0.6361	0.4005	0
198	Group 1	Sphere	22.49	834.2	155.2	0.8002	0.7903	0
199	Group 1	Sphere	29.72	823.2	68.13	0.6963	0.4354	0
200	Group 1	Sphere	18.59	838.2	8.527	0.3084	0.5812	0
201	Group 1	Sphere	48.33	792.3	99.11	0.3004	0.4872	0
202	Group 1	Sphere	45.7	799.3	116.6	0.5252	0.4643	0
203	Group 1	Sphere	48.41	792.1	123.1	0.8909	0.3891	0
204	Group 1	Sphere	45.88	798.2	67.4	0.4283	0.36	0
205	Group 1	Sphere	11.81	843	87.82	0.7107	0.6242	0
206	Group 1	Sphere	26.5	830.2	294.5	0.5734	0.573	0
207	Group 1	Sphere	43.94	802.9	104.2	0.4963	0.4373	0
208	Group 1	Sphere	11.66	843	193.4	0.3245	0.4884	0
209	Group 1	Sphere	43.13	804.6	5.295	0.6657	0.2888	0
210	Group 1	Sphere	43.04	804.9	350.5	0.795	0.6308	0
211	Group 1	Sphere	36.42	815.6	233.8	0.41	0.4893	0
212	Group 1	Sphere	19.04	837.8	297.5	0.7053	0.3735	0
213	Group 1	Sphere	47.71	794	47.34	0.7282	0.5488	0
214	Group 1	Sphere	39.21	812.6	11.28	0.8019	0.3533	0
215	Group 1	Sphere	22.41	834.3	137.3	0.5712	0.5585	0
216	Group 1	Sphere	28.24	826.5	256.5	0.6234	0.6225	0
217	Group 1	Sphere	41.15	809.7	325.6	0.4119	0.4821	0
218	Group 1	Sphere	44.3	802	80.44	0.4166	0.4785	0
219	Group 1	Sphere	35.39	816.7	117.3	0.4228	0.4273	0
220	Group 1	Sphere	39.62	812	236.5	0.5053	0.3017	0
221	Group 1	Sphere	20.46	836.6	164.6	0.6874	0.4469	0
222	Group 1	Sphere	36.3	815.8	8.926	0.5261	0.5224	0
223	Group 1	Sphere	12.03	842.8	119.4	0.3041	0.4037	0
224	Group 1	Sphere	22.7	833.9	263.2	0.3739	0.5372	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
225	Group 1	Sphere	27.79	827.8	36.47	0.5682	0.4679	0
226	Group 1	Sphere	45.96	797.8	83.66	0.5124	0.6078	0
227	Group 1	Sphere	34.18	817.9	48.27	0.5703	0.7464	0
228	Group 1	Sphere	21.89	835	158	0.5822	0.8064	0
229	Group 1	Sphere	16.1	839.9	293.1	0.5614	0.7053	0
230	Group 1	Sphere	11.15	842.9	81.18	0.5202	0.6969	0
231	Group 1	Sphere	41.23	809.5	226.7	0.7031	0.5936	0
232	Group 1	Sphere	29.29	824.7	270.3	0.581	0.4371	0
233	Group 1	Sphere	26.27	830.5	212.9	0.5884	0.5947	0
234	Group 1	Sphere	23.77	832.9	125.6	0.3087	0.4528	0
235	Group 1	Sphere	13.22	842.4	349.4	0.4766	0.504	0
236	Group 1	Sphere	25.92	830.8	230.2	0.3112	0.6261	0
237	Group 1	Sphere	17.72	838.7	93.7	0.3872	0.2611	0
238	Group 1	Sphere	29.94	822.9	64.39	0.3362	0.4765	0
239	Group 1	Sphere	29.55	823.8	218.7	0.7705	0.4086	0
240	Group 1	Sphere	37.41	814.4	228.2	0.5145	0.6592	0
241	Group 1	Sphere	42.42	807	243.1	0.6712	0.5927	0
242	Group 1	Sphere	41.87	808.3	167.4	0.5218	0.4707	0
243	Group 1	Sphere	23.13	833.6	0.4739	0.4715	0.3549	0
244	Group 1	Sphere	31.23	821	330.2	0.2902	0.4896	0
245	Group 1	Sphere	9.084	843.4	3.199	0.4917	0.6159	0
246	Group 1	Sphere	21.51	835.5	163.5	0.4875	0.3412	0
247	Group 1	Sphere	23.89	832.7	270.5	0.4758	0.5052	0
248	Group 1	Sphere	31.88	820.5	131.7	0.4682	0.615	0
249	Group 1	Sphere	25.78	830.9	205.6	0.6839	0.5075	0
250	Group 1	Sphere	11.98	842.9	202.7	0.329	0.4959	0
251	Group 1	Sphere	13.08	842.5	75.27	0.3541	0.4406	0
252	Group 1	Sphere	27.12	829.3	356.8	0.3504	0.3626	0
253	Group 1	Sphere	28.42	826	324.5	0.6136	0.7314	0
254	Group 1	Sphere	16.33	839.6	146.9	0.5686	0.3179	0
255	Group 1	Sphere	43.01	805	335.8	0.4961	0.5151	0
256	Group 1	Sphere	25.26	831.5	56.59	0.5188	0.5628	0
257	Group 1	Sphere	29.47	824.1	267.1	0.6919	0.5909	0
258	Group 1	Sphere	46.89	795.6	54.2	0.3011	0.8994	0
259	Group 1	Sphere	46	797.6	303.1	0.493	0.4663	0
260	Group 1	Sphere	9.202	843.3	332.5	0.4355	0.5977	0
261	Group 1	Sphere	8.937	843.6	192.6	0.5037	0.5347	0
262	Group 1	Sphere	45.03	801.5	143.5	0.6791	0.4415	0
263	Group 1	Sphere	42.46	806.9	328.3	0.4289	0.6166	0
264	Group 1	Sphere	27.98	827.2	117	0.4487	0.6709	0
265	Group 1	Sphere	19.41	837.3	175.1	0.4014	0.3386	0
266	Group 1	Sphere	47.64	794.2	308.1	0.6449	0.5424	0
267	Group 1	Sphere	35.93	816.1	141.6	0.5669	0.6047	0
268	Group 1	Sphere	45.31	800.8	133.6	0.6274	0.5507	0
269	Group 1	Sphere	9.567	843.2	292	0.3517	0.4235	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
270	Group 1	Sphere	47.99	793.4	351.9	0.5026	0.7643	0
271	Group 1	Sphere	47.57	794.3	95.09	0.2743	0.5003	0
272	Group 1	Sphere	43.18	804.4	257.3	0.6941	0.5045	0
273	Group 1	Sphere	45.95	797.8	195.7	0.4476	0.6417	0
274	Group 1	Sphere	41.79	808.4	85.88	0.6891	0.3749	0
275	Group 1	Sphere	32.57	819.7	1.111	0.3289	0.7447	0
276	Group 1	Sphere	43.14	804.5	134.1	0.663	0.409	0
277	Group 1	Sphere	29.09	825.2	12.7	0.5915	0.5766	0
278	Group 1	Sphere	34.19	817.9	52.35	0.4539	0.5878	0
279	Group 1	Sphere	29.6	823.6	277.6	0.5408	0.5839	0
280	Group 1	Sphere	19.7	837	273.5	0.2708	0.6038	0
281	Group 1	Sphere	34.63	817.5	154.7	0.6154	0.503	0
282	Group 1	Sphere	39.3	812.5	28.56	0.35	0.9263	0
283	Group 1	Sphere	48.2	792.7	322.2	0.4467	0.3092	0
284	Group 1	Sphere	40.63	810.8	324.1	0.5434	0.4301	0
285	Group 1	Sphere	11.36	843	230	0.786	0.4303	0
286	Group 1	Sphere	24.74	832.1	86.5	0.5217	0.5865	0
287	Group 1	Sphere	43.06	804.8	251.7	0.5344	0.3251	0
288	Group 1	Sphere	13.84	841.5	31.81	0.654	0.3395	0
289	Group 1	Sphere	13.73	841.7	318.2	0.3151	0.7431	0
290	Group 1	Sphere	22.78	833.8	61.11	0.414	0.6104	0
291	Group 1	Sphere	23.93	832.6	352.1	0.4693	0.2959	0
292	Group 1	Sphere	42.29	807.4	185.6	0.4547	0.7366	0
293	Group 1	Sphere	31.91	820.4	31.14	0.464	0.4016	0
294	Group 1	Sphere	22.24	834.5	167.7	0.8642	0.5576	0
295	Group 1	Sphere	42.17	807.7	278	0.3945	0.5175	0
296	Group 1	Sphere	19.57	837.2	20.75	0.1222	0.1674	0
297	Group 1	Sphere	43.1	804.7	221.9	0.1502	0.4335	0
298	Group 1	Sphere	46.86	795.6	223.4	0.5355	0.6895	0
299	Group 1	Sphere	14.75	841	108.8	0.4812	0.3609	0
300	Group 1	Sphere	20.92	836	316.2	0.5212	0.6269	0
301	Group 1	Sphere	33.84	818.4	176.9	0.6649	0.6656	0
302	Group 1	Sphere	45.11	801.3	33.81	0.5431	0.4177	0
303	Group 1	Sphere	43.84	803.2	12.27	0.6023	0.2798	0
304	Group 1	Sphere	30.14	822.6	272.2	0.4431	0.4537	0
305	Group 1	Sphere	47.5	794.4	197.7	0.4158	0.3885	0
306	Group 1	Sphere	23.34	833.5	65.76	0.4278	0.6353	0
307	Group 1	Sphere	44.37	801.9	14.14	0.3384	0.3553	0
308	Group 1	Sphere	12.47	842.7	250.2	0.5295	0.4451	0
309	Group 1	Sphere	13.62	841.9	169.3	0.3935	0.6089	0
310	Group 1	Sphere	30.06	822.7	334.5	0.659	0.5141	0
311	Group 1	Sphere	15.92	840.1	336.3	0.5777	0.7994	0
312	Group 1	Sphere	39.17	812.7	156.1	0.5185	0.6532	0
313	Group 1	Sphere	40.29	811.1	6.233	0.3182	0.7591	0
314	Group 1	Sphere	39.73	811.8	307.5	0.4619	0.2055	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
315	Group 1	Sphere	14.94	840.8	91.45	0.5442	0.4904	0
316	Group 1	Sphere	10.54	842.9	42.78	0.4654	0.4402	0
317	Group 1	Sphere	36.07	816	181.5	0.6083	0.4499	0
318	Group 1	Sphere	17.52	838.8	254.7	0.6686	0.6036	0
319	Group 1	Sphere	40.94	810.4	215.3	0.5278	0.473	0
320	Group 1	Sphere	40.47	811	183	0.5647	0.639	0
321	Group 1	Sphere	27.03	829.4	120.5	0.4617	0.3582	0
322	Group 1	Sphere	41.39	809	310.9	0.3926	0.8183	0
323	Group 1	Sphere	45.72	799.2	319.1	0.4048	0.4248	0
324	Group 1	Sphere	12.33	842.7	333.2	0.5075	0.4636	0
325	Group 1	Sphere	35.68	816.3	130	0.4888	0.4179	0
326	Group 1	Sphere	47.12	795.1	196.1	0.576	0.237	0
327	Group 1	Sphere	20.63	836.4	41.7	0.4269	0.4825	0
328	Group 1	Sphere	14.22	841.3	171.8	0.3801	0.4648	0
329	Group 1	Sphere	20.52	836.5	49.96	0.5438	0.4047	0
330	Group 1	Sphere	26.2	830.6	207.7	0.5045	0.6411	0
331	Group 1	Sphere	28.94	825.3	300.2	0.4785	0.5107	0
332	Group 1	Sphere	10.44	842.9	39.94	0.139	0.6191	0
333	Group 1	Sphere	24.28	832.4	17.39	0.2067	0.3376	0
334	Group 1	Sphere	41.65	808.6	92.44	0.5179	0.4807	0
335	Group 1	Sphere	47.79	793.9	42.36	0.3056	0.525	0
336	Group 1	Sphere	26.7	829.9	199.6	0.5496	0.5231	0
337	Group 1	Sphere	10.38	843	287.5	0.4823	0.662	0
338	Group 1	Sphere	47.4	794.6	301.4	0.6308	0.8886	0
339	Group 1	Sphere	46.49	796.3	109.6	0.5942	0.6651	0
340	Group 1	Sphere	45.55	800.1	220.7	0.5064	0.6576	0
341	Group 1	Sphere	35.43	816.6	123.3	0.3853	0.3074	0
342	Group 1	Sphere	27.88	827.5	181.2	0.6127	0.4418	0
343	Group 1	Sphere	14.64	841.2	313.9	0.4745	0.5819	0
344	Group 1	Sphere	40.13	811.3	50.9	0.3764	0.5303	0
345	Group 1	Sphere	21.78	835.1	286.8	0.5244	0.4862	0
346	Group 1	Sphere	19.11	837.7	318.7	0.5103	0.1732	0
347	Group 1	Sphere	41.46	808.8	295.6	0.7082	0.3832	0
348	Group 1	Sphere	28.2	826.6	146.2	0.514	0.3079	0
349	Group 1	Sphere	30.04	822.7	66.03	0.3966	0.4619	0
350	Group 1	Sphere	24.67	832.1	339.4	0.5376	0.3759	0
351	Group 1	Sphere	10.37	843	283.4	0.5348	0.6644	0
352	Group 1	Sphere	24.52	832.2	75.12	0.7638	0.4846	0
353	Group 1	Sphere	22.05	834.8	170.2	0.7831	0.2672	0
354	Group 1	Sphere	25.48	831.3	66.85	0.8327	0.5558	0
355	Group 1	Sphere	22.17	834.6	67.9	0.4818	0.6947	0
356	Group 1	Sphere	16.86	839.2	159.5	0.4994	0.4721	0
357	Group 1	Sphere	24.13	832.5	129.3	0.5536	0.6763	0
358	Group 1	Sphere	27.86	827.6	91.1	0.5285	0.4589	0
359	Group 1	Sphere	34.45	817.5	44.54	0.5015	0.5874	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
360	Group 1	Sphere	27.16	829.3	1.793	0.2544	0.5931	0
361	Group 1	Sphere	21.37	835.6	124.2	0.6049	0.3592	0
362	Group 1	Sphere	35.59	816.4	73.67	0.3513	0.7141	0
363	Group 1	Sphere	30.29	822.4	111.9	0.8568	0.4794	0
364	Group 1	Sphere	22.75	833.9	127.6	0.5415	0.5067	0
365	Group 1	Sphere	31.2	821	151.1	0.5722	0.4924	0
366	Group 1	Sphere	25.34	831.4	150.3	0.5835	0.2863	0
367	Group 1	Sphere	40.87	810.6	348	0.6078	0.4143	0
368	Group 1	Sphere	32.41	819.9	354.6	0.6903	0.3765	0
369	Group 1	Sphere	30.41	822.2	194.8	0.1471	0.3954	0
370	Group 1	Sphere	41.29	809.3	35.06	0.4392	0.4562	0
371	Group 1	Sphere	45.65	799.6	144.1	0.4201	0.2991	0
372	Group 1	Sphere	41.89	808.3	135.7	0.4343	0.8097	0
373	Group 1	Sphere	30.55	822	104.5	0.6399	0.6542	0
374	Group 1	Sphere	36.22	815.9	158.9	0.6694	0.4383	0
375	Group 1	Sphere	37.48	814.4	215.2	0.5931	0.2352	0
376	Group 1	Sphere	44.17	802.3	51.77	0.4188	0.4014	0
377	Group 1	Sphere	40.33	811.1	323.9	0.5038	0.5854	0
378	Group 1	Sphere	16.01	840	4.167	0.5846	0.6556	0
379	Group 1	Sphere	48.04	793.2	139.2	0.7777	0.4328	0
380	Group 1	Sphere	47.93	793.6	114.6	0.6241	0.5711	0
381	Group 1	Sphere	29.63	823.5	285.9	0.4983	0.392	0
382	Group 1	Sphere	45.82	798.6	303.6	0.5018	0.5146	0
383	Group 1	Sphere	35.62	816.3	54.93	0.5711	0.5411	0
384	Group 1	Sphere	36.46	815.6	295.3	0.3204	0.5163	0
385	Group 1	Sphere	43.78	803.4	283.8	0.7768	0.3705	0
386	Group 1	Sphere	19.97	836.8	140.8	0.2818	0.6903	0
387	Group 1	Sphere	42.84	805.7	348.8	0.2461	0.6375	0
388	Group 1	Sphere	43.54	803.8	263.7	0.5322	0.2466	0
389	Group 1	Sphere	36.84	815.1	18.2	0.7495	0.6346	0
390	Group 1	Sphere	15.4	840.4	184.1	0.6856	0.5237	0
391	Group 1	Sphere	33.78	818.5	43.33	0.4801	0.53	0
392	Group 1	Sphere	10.05	843.3	94.6	0.5423	0.4348	0
393	Group 1	Sphere	37.68	814.3	77.33	0.4016	0.5687	0
394	Group 1	Sphere	42.8	805.8	358.1	0.7106	0.7071	0
395	Group 1	Sphere	13.92	841.4	269.9	0.4675	0.394	0
396	Group 1	Sphere	31.37	820.8	21.5	0.3857	0.6842	0
397	Group 1	Sphere	28.97	825.2	140.7	0.4722	0.4925	0
398	Group 1	Sphere	9.75	843.3	259.3	0.4795	0.6876	0
399	Group 1	Sphere	39.24	812.6	228.9	0.652	0.6264	0
400	Group 1	Sphere	40.93	810.4	333.8	0.7253	0.4194	0
401	Group 1	Sphere	31.49	820.7	296.2	0.5166	0.6096	0
402	Group 1	Sphere	11.51	843	121.2	0.4929	0.469	0
403	Group 1	Sphere	27.51	828.6	79.74	0.5836	0.6369	0
404	Group 1	Sphere	24.36	832.3	342.4	0.2865	0.4776	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
405	Group 1	Sphere	15	840.7	100.7	0.5007	0.6326	0
406	Group 1	Sphere	47.01	795.3	45.34	0.527	0.531	0
407	Group 1	Sphere	43.58	803.7	285.1	0.573	0.4121	0
408	Group 1	Sphere	40.77	810.7	340.8	0.08092	0.3967	0
409	Group 1	Sphere	14.61	841.3	36.81	0.1996	0.7501	0
410	Group 1	Sphere	9.103	843.4	46.13	0.4949	0.5197	0
411	Group 1	Sphere	15.66	840.4	219.2	0.5853	0.5784	0
412	Group 1	Sphere	23.73	832.9	322.5	0.8376	0.3579	0
413	Group 1	Sphere	29.38	824.4	102.9	0.343	0.5135	0
414	Group 1	Sphere	37.11	814.7	142.9	0.3842	0.5903	0
415	Group 1	Sphere	23.52	833.2	246.9	0.6059	0.5797	0
416	Group 1	Sphere	43.29	804.2	188.2	0.5151	0.5647	0
417	Group 1	Sphere	13.84	841.5	40.72	0.3633	0.6631	0
418	Group 1	Sphere	42.72	806.1	185.3	0.2609	0.2981	0
419	Group 1	Sphere	45.94	797.9	292.7	0.3876	0.4961	0
420	Group 1	Sphere	13.53	842	103.4	0.5543	0.4595	0
421	Group 1	Sphere	37.93	814.2	57.48	0.4738	0.3799	0
422	Group 1	Sphere	47.25	794.9	267.5	0.3169	0.65	0
423	Group 1	Sphere	28.47	825.8	29.01	0.6325	0.3544	0
424	Group 1	Sphere	26.34	830.4	128	0.4835	0.2786	0
425	Group 1	Sphere	41.19	809.6	311.8	0.4668	0.5439	0
426	Group 1	Sphere	33.29	819.2	79.03	0.3393	0.3233	0
427	Group 1	Sphere	39.12	812.7	215.9	0.367	0.5613	0
428	Group 1	Sphere	19.17	837.6	291.3	0.7266	0.4114	0
429	Group 1	Sphere	28.67	825.5	262.6	0.5703	0.5093	0
430	Group 1	Sphere	23.46	833.3	39.37	0.3815	0.7175	0
431	Group 1	Sphere	48.36	792.2	76.76	0.2247	0.5842	0
432	Group 1	Sphere	17	839.1	227.6	0.6258	0.7231	0
433	Group 1	Sphere	29.98	822.8	189.6	0.2134	0.5971	0
434	Group 1	Sphere	39.75	811.8	98.34	0.444	0.4388	0
435	Group 1	Sphere	40.66	810.8	203.8	0.5364	0.2102	0
436	Group 1	Sphere	45.12	801.3	251	0.4684	0.4936	0
437	Group 1	Sphere	10.59	842.9	331.2	0.5661	0.4543	0
438	Group 1	Sphere	34.71	817.5	354.2	0.6217	0.3605	0
439	Group 1	Sphere	27.95	827.3	96.87	0.4728	0.4293	0
440	Group 1	Sphere	26.62	830	186.4	0.5898	0.5522	0
441	Group 1	Sphere	41.59	808.6	265.3	0.3536	0.4841	0
442	Group 1	Sphere	21.48	835.5	48.82	0.5471	0.4982	0
443	Group 1	Sphere	29.27	824.8	260.8	0.4415	0.5967	0
444	Group 1	Sphere	35.23	817	318.3	0.4274	0.2924	0
445	Group 1	Sphere	43.33	804.1	326.4	0.5371	0.3264	0
446	Group 1	Sphere	48.38	792.2	252.7	0.712	0.6732	0
447	Group 1	Sphere	10.14	843.2	229.3	0.595	0.5327	0
448	Group 1	Sphere	22.99	833.7	224.4	0.4625	0.4001	0
449	Group 1	Sphere	47.32	794.8	115.7	0.7017	0.8299	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
450	Group 1	Sphere	19.26	837.5	165.4	0.6319	0.5287	0
451	Group 1	Sphere	23.36	833.4	12.13	0.5019	0.3695	0
452	Group 1	Sphere	16.8	839.3	13.89	0.4895	0.2978	0
453	Group 1	Sphere	22.1	834.7	41.16	0.7573	0.536	0
454	Group 1	Sphere	14.17	841.3	58.36	0.3732	0.3352	0
455	Group 1	Sphere	38.73	813.1	279.6	0.6524	0.6139	0
456	Group 1	Sphere	39.9	811.6	134.6	0.7799	0.4667	0
457	Group 1	Sphere	22.92	833.8	343.9	0.7319	0.4756	0
458	Group 1	Sphere	13.5	842.1	211.4	0.7482	0.7028	0
459	Group 1	Sphere	36.69	815.3	271.6	0.539	0.6069	0
460	Group 1	Sphere	23.83	832.8	101.6	0.672	0.3642	0
461	Group 1	Sphere	39.85	811.7	304.5	0.501	0.5561	0
462	Group 1	Sphere	45.57	800	190.9	0.5727	0.49	0
463	Group 1	Sphere	17.28	838.9	85.65	0.2673	0.464	0
464	Group 1	Sphere	12.07	842.8	253.9	0.7915	0.2509	0
465	Group 1	Sphere	27.72	828	79.3	0.1957	0.3393	0
466	Group 1	Sphere	45.48	800.4	221.2	0.5582	0.5887	0
467	Group 1	Sphere	24.54	832.2	278.9	0.5908	0.466	0
468	Group 1	Sphere	32.95	819.4	188.4	0.6561	0.6807	0
469	Group 1	Sphere	46.22	796.8	55.64	0.346	0.3716	0
470	Group 1	Sphere	21.71	835.2	264.1	0.4185	0.458	0
471	Group 1	Sphere	15.07	840.6	90.85	0.4219	0.59	0
472	Group 1	Sphere	32.16	820.2	162.5	0.4263	0.483	0
473	Group 1	Sphere	10.63	842.9	166.5	0.2844	0.2151	0
474	Group 1	Sphere	31.47	820.7	351	0.5938	0.4568	0
475	Group 1	Sphere	42.82	805.7	232.5	0.3992	0.5778	0
476	Group 1	Sphere	42.88	805.5	209.6	0.5534	0.5502	0
477	Group 1	Sphere	10.1	843.2	222.7	0.4502	0.709	0
478	Group 1	Sphere	19.83	836.8	187.2	0.4992	0.4997	0
479	Group 1	Sphere	32.52	819.7	91.89	0.3941	0.5802	0
480	Group 1	Sphere	10.29	843	307.1	0.4329	0.2551	0
481	Group 1	Sphere	45.28	800.9	92.76	0.5521	0.4343	0
482	Group 1	Sphere	42.07	808	86.32	0.6348	0.703	0
483	Group 1	Sphere	34.97	817.4	308.4	0.8781	0.317	0
484	Group 1	Sphere	42.67	806.3	152.5	0.5473	0.4738	0
485	Group 1	Sphere	28.16	826.7	11.55	0.6816	0.7665	0
486	Group 1	Sphere	29.37	824.4	81.89	0.6055	0.5897	0
487	Group 1	Sphere	13	842.5	188.8	0.3717	0.625	0
488	Group 1	Sphere	42.6	806.5	165.2	0.1749	0.6021	0
489	Group 1	Sphere	17.83	838.6	310	0.5093	0.3889	0
490	Group 1	Sphere	22.66	834	302.2	0.4535	0.5127	0
491	Group 1	Sphere	45.25	801	42.99	0.4581	0.3185	0
492	Group 1	Sphere	47.15	795.1	355.1	0.7095	0.1884	0
493	Group 1	Sphere	10.26	843.1	269.6	0.6022	0.3153	0
494	Group 1	Sphere	39.6	812	230.4	0.7658	0.2281	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
495	Group 1	Sphere	45.61	799.8	153	0.4669	0.301	0
496	Group 1	Sphere	48.09	793.1	223.7	0.6429	0.5364	0
497	Group 1	Sphere	43.21	804.3	231.6	0.359	0.4394	0
498	Group 1	Sphere	46.68	795.9	131.8	0.5371	0.5519	0
499	Group 1	Sphere	40.7	810.8	240.2	0.5162	0.6493	0
500	Group 1	Sphere	46.02	797.4	262.3	0.5857	0.3306	0
501	Group 1	Sphere	35.1	817.2	124.9	0.6704	0.6183	0
502	Group 1	Sphere	31.74	820.5	177.4	0.5826	0.4774	0
503	Group 1	Sphere	40.41	811	37.39	0.4814	0.4762	0
504	Group 1	Sphere	9.392	843.2	208.2	0.4548	0.4952	0
505	Group 1	Sphere	39.48	812.2	271.9	0.4913	0.3874	0
506	Group 1	Sphere	30.36	822.3	105.7	0.8521	0.5464	0
507	Group 1	Sphere	47.07	795.2	338.2	0.4703	0.1998	0
508	Group 1	Sphere	43.38	804	258.2	0.5272	0.2603	0
509	Group 1	Sphere	42.76	805.9	288.6	0.295	0.3649	0
510	Group 1	Sphere	48.11	793	275.1	0.492	0.3745	0
511	Group 1	Sphere	28.64	825.5	307.3	0.337	0.5964	0
512	Group 1	Sphere	36.89	815	147.8	0.6466	0.3938	0
513	Group 1	Sphere	42.03	808.1	28.07	0.5397	0.5402	0
514	Group 1	Sphere	20.03	836.8	272.8	0.4904	0.3622	0
515	Group 1	Sphere	43.66	803.6	164.1	0.5764	0.6081	0
516	Group 1	Sphere	10.19	843.1	69.12	0.5449	0.6959	0
517	Group 1	Sphere	39.46	812.2	206.3	0.4286	0.6774	0
518	Group 1	Sphere	29.82	823	352.9	0.4175	0.5623	0
519	Group 1	Sphere	10.95	842.9	74.65	0.3416	0.1357	0
520	Group 1	Sphere	27.18	829.2	198.5	0.168	0.5759	0
521	Group 1	Sphere	38.49	813.3	358.8	0.3297	0.3296	0
522	Group 1	Sphere	34.61	817.5	325.9	0.7154	0.4039	0
523	Group 1	Sphere	46.83	795.7	35.73	0.4123	0.3524	0
524	Group 1	Sphere	34	818.2	353.5	0.5972	0.6115	0
525	Group 1	Sphere	46.79	795.7	158.5	0.4828	0.4753	0
526	Group 1	Sphere	23.05	833.7	276.7	0.4508	0.4267	0
527	Group 1	Sphere	29.44	824.2	55.92	0.6107	0.6439	0
528	Group 1	Sphere	23.2	833.6	59.32	0.5334	0.486	0
529	Group 1	Sphere	28.35	826.2	7.254	0.6065	0.4201	0
530	Group 1	Sphere	29.65	823.5	327.7	0.6773	0.288	0
531	Group 1	Sphere	33.6	818.8	49.68	0.5928	0.5278	0
532	Group 1	Sphere	17.99	838.5	141.2	0.4069	0.5169	0
533	Group 1	Sphere	33.37	819.1	250.9	0.7167	0.4698	0
534	Group 1	Sphere	30.98	821.3	284.2	0.5969	0.5751	0
535	Group 1	Sphere	16.7	839.3	45.83	0.1794	0.6011	0
536	Group 1	Sphere	13.61	841.9	22.76	0.7133	0.3476	0
537	Group 1	Sphere	22.61	834.1	245.7	0.1911	0.6331	0
538	Group 1	Sphere	45.92	798	74.09	0.4968	0.6164	0
539	Group 1	Sphere	42.89	805.5	311.7	0.3959	0.7738	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
540	Group 1	Sphere	17.33	838.9	10.82	0.4887	0.5671	0
541	Group 1	Sphere	30.93	821.4	222.9	0.6227	0.4847	0
542	Group 1	Sphere	26.76	829.8	254.3	0.6986	0.6345	0
543	Group 1	Sphere	21.72	835.2	200.4	0.2225	0.48	0
544	Group 1	Sphere	20.4	836.6	303.4	0.4125	0.4333	0
545	Group 1	Sphere	25.17	831.7	126.8	0.517	0.4325	0
546	Group 1	Sphere	18.57	838.2	168.2	0.6637	0.5026	0
547	Group 1	Sphere	42.95	805.2	352.6	0.5509	0.6446	0
548	Group 1	Sphere	21.13	835.8	87.09	0.3773	0.6298	0
549	Group 1	Sphere	20.8	836.1	115.5	0.2906	0.218	0
550	Group 1	Sphere	26.81	829.7	348.4	0.558	0.08435	0
551	Group 1	Sphere	44.16	802.4	327	0.701	0.6473	0
552	Group 1	Sphere	31.7	820.5	205.1	0.5084	0.4434	0
553	Group 1	Sphere	46.04	797.4	288.1	0.6175	0.3896	0
554	Group 1	Sphere	20.18	836.7	133.2	0.3697	0.8163	0
555	Group 1	Sphere	41.42	808.9	54.39	0.5922	0.5349	0
556	Group 1	Sphere	17.48	838.8	300.5	0.3846	0.4552	0
557	Group 1	Sphere	22.59	834.1	309.7	0.2873	0.5242	0
558	Group 1	Sphere	28.56	825.6	98.18	0.5328	0.5281	0
559	Group 1	Sphere	23.11	833.6	100.1	0.6036	0.5676	0
560	Group 1	Sphere	47.18	795	125	0.8204	0.5073	0
561	Group 1	Sphere	20.79	836.1	202.5	0.5635	0.3684	0
562	Group 1	Sphere	39.56	812.1	301.9	0.5049	0.06974	0
563	Group 1	Sphere	26.32	830.5	135.7	0.3232	0.6338	0
564	Group 1	Sphere	41.06	810	136.6	0.6569	0.4379	0
565	Group 1	Sphere	42.5	806.8	154.9	0.72	0.387	0
566	Group 1	Sphere	21	835.9	83.46	0.541	0.1662	0
567	Group 1	Sphere	42.94	805.3	291.2	0.375	0.5183	0
568	Group 1	Sphere	31.98	820.4	95.68	0.4419	0.579	0
569	Group 1	Sphere	43.77	803.4	214.8	0.6842	0.2226	0
570	Group 1	Sphere	9.163	843.3	194.7	0.6265	0.7398	0
571	Group 1	Sphere	28.14	826.8	246.1	0.4565	0.1788	0
572	Group 1	Sphere	14.55	841.3	165.6	0.8709	0.4534	0
573	Group 1	Sphere	26.97	829.5	189.8	0.4341	0.2647	0
574	Group 1	Sphere	21.64	835.3	30.58	0.5095	0.3981	0
575	Group 1	Sphere	35.99	816.1	20.95	0.3606	0.3244	0
576	Group 1	Sphere	21.58	835.4	102.5	0.4001	0.7336	0
577	Group 1	Sphere	9.875	843.4	157.6	0.3123	0.4099	0
578	Group 1	Sphere	24.02	832.6	280.5	0.4789	0.3102	0
579	Group 1	Sphere	30.64	821.9	148.3	0.3063	0.5446	0
580	Group 1	Sphere	39.01	812.8	316.7	0.7186	0.4307	0
581	Group 1	Sphere	26.98	829.5	214.1	0.3691	0.5582	0
582	Group 1	Sphere	32.53	819.7	20.14	0.4296	0.5088	0
583	Group 1	Sphere	46.06	797.2	190.6	0.4944	0.34	0
584	Group 1	Sphere	42.22	807.6	197.1	0.5866	0.6679	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
585	Group 1	Sphere	13.72	841.7	2.321	0.7411	0.4834	0
586	Group 1	Sphere	11.1	842.9	238.2	0.4542	0.5832	0
587	Group 1	Sphere	33.45	819	63.04	0.6546	0.3989	0
588	Group 1	Sphere	33.49	818.9	39.16	0.6131	0.5035	0
589	Group 1	Sphere	45.99	797.6	175.6	0.4435	0.6172	0
590	Group 1	Sphere	17.63	838.7	313.6	0.9109	0.5652	0
591	Group 1	Sphere	28.33	826.2	9.24	0.1582	0.4545	0
592	Group 1	Sphere	13.91	841.4	234.3	0.3971	0.4812	0
593	Group 1	Sphere	35.08	817.2	283.3	0.5753	0.5694	0
594	Group 1	Sphere	24.95	831.9	145.9	0.4782	0.2763	0
595	Group 1	Sphere	27.56	828.5	134.8	0.3137	0.4445	0
596	Group 1	Sphere	45.52	800.3	17.8	0.4553	0.2495	0
597	Group 1	Sphere	32.87	819.4	9.463	0.3572	0.3984	0
598	Group 1	Sphere	37.86	814.2	77.66	0.6408	0.5187	0
599	Group 1	Sphere	29.61	823.6	84.71	0.3328	0.4466	0
600	Group 1	Sphere	29.34	824.5	51.15	0.5342	0.379	0
601	Group 1	Sphere	19.55	837.2	312.1	0.3584	0.5534	0
602	Group 1	Sphere	46.15	796.9	106.9	0.5988	0.4316	0
603	Group 1	Sphere	22.86	833.8	323.2	0.3711	0.2832	0
604	Group 1	Sphere	35.89	816.2	351.4	0.4469	0.542	0
605	Group 1	Sphere	43.17	804.4	102	0.7029	0.6856	0
606	Group 1	Sphere	19.31	837.5	5.732	0.1983	0.6365	0
607	Group 1	Sphere	27.68	828.1	90.34	0.4224	0.3789	0
608	Group 1	Sphere	13.99	841.3	84.99	0.797	0.7953	0
609	Group 1	Sphere	37.93	814.1	191.6	0.6094	0.6426	0
610	Group 1	Sphere	34.07	818.1	246.6	0.5355	0.4751	0
611	Group 1	Sphere	22.18	834.6	294.4	0.4605	0.5408	0
612	Group 1	Sphere	47.67	794.1	82.15	0.3349	0.4521	0
613	Group 1	Sphere	35.18	817.1	130.6	0.5222	0.2694	0
614	Group 1	Sphere	28.85	825.3	178.5	0.7335	0.3225	0
615	Group 1	Sphere	12.37	842.7	200	0.3251	0.3037	0
616	Group 1	Sphere	9.303	843.2	124.2	0.5785	0.8454	0
617	Group 1	Sphere	31.34	820.9	138	0.6666	0.6855	0
618	Group 1	Sphere	29.46	824.1	345.5	0.6848	0.7909	0
619	Group 1	Sphere	23.5	833.2	107.8	0.5129	0.3528	0
620	Group 1	Sphere	45.59	799.9	359.4	0.5566	0.3587	0
621	Group 1	Sphere	45.06	801.4	202.1	0.4742	0.5654	0
622	Group 1	Sphere	47.28	794.8	355.6	0.5957	0.4964	0
623	Group 1	Sphere	38.09	813.9	305.9	0.4642	0.6604	0
624	Group 1	Sphere	32.74	819.5	196.3	0.8214	0.5264	0
625	Group 1	Sphere	15.34	840.4	297.1	0.3683	0.5992	0
626	Group 1	Sphere	16.6	839.4	338.5	0.4087	0.4222	0
627	Group 1	Sphere	20.12	836.7	337	0.4753	0.7564	0
628	Group 1	Sphere	24.62	832.2	36.13	0.6508	0.4107	0
629	Group 1	Sphere	45.8	798.7	30.72	0.3629	0.5618	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
630	Group 1	Sphere	42.2	807.6	83.04	0.3119	0.1959	0
631	Group 1	Sphere	19.79	836.9	276.9	0.5502	0.5395	0
632	Group 1	Sphere	14.78	841	205.5	0.3045	0.6435	0
633	Group 1	Sphere	28.72	825.4	89.34	0.5425	0.2952	0
634	Group 1	Sphere	42.53	806.7	279	0.2627	0.2342	0
635	Group 1	Sphere	45.77	798.9	136.4	0.49	0.5257	0
636	Group 1	Sphere	36.36	815.7	209.9	0.424	0.4674	0
637	Group 1	Sphere	40.55	810.9	31.36	0.4947	0.3426	0
638	Group 1	Sphere	15.87	840.2	257.5	0.4464	0.2262	0
639	Group 1	Sphere	46.29	796.7	299.4	0.2992	0.5056	0
640	Group 1	Sphere	31.11	821.1	25.74	0.4065	0.4986	0
641	Group 1	Sphere	48.23	792.6	10.53	0.4933	0.6572	0
642	Group 1	Sphere	45.83	798.5	256.2	0.6339	0.5352	0
643	Group 1	Sphere	12.95	842.6	193	0.8092	0.5415	0
644	Group 1	Sphere	21.88	835	142.2	0.5494	0.7321	0
645	Group 1	Sphere	45.35	800.7	269	0.5399	0.7297	0
646	Group 1	Sphere	19.78	836.9	157.3	0.2569	0.6526	0
647	Group 1	Sphere	38.17	813.8	187.7	0.5082	0.5227	0
648	Group 1	Sphere	42.11	807.8	274.9	0.4602	0.3561	0
649	Group 1	Sphere	38.45	813.4	330	0.7346	0.434	0
650	Group 1	Sphere	34.85	817.4	23.58	0.3557	0.348	0
651	Group 1	Sphere	46.08	797.1	104.8	0.4651	0.6402	0
652	Group 1	Sphere	38.89	812.9	93.55	0.2107	0.3842	0
653	Group 1	Sphere	46.4	796.5	347.7	0.3133	0.417	0
654	Group 1	Sphere	22.31	834.4	37.74	0.3891	0.87	0
655	Group 1	Sphere	9.267	843.2	273.8	0.4979	0.6294	0
656	Group 1	Sphere	44.07	802.6	6.544	0.4299	0.551	0
657	Group 1	Sphere	23.55	833.2	59.98	0.3267	0.3333	0
658	Group 1	Sphere	23.79	832.8	238.3	0.3924	0.5338	0
659	Group 1	Sphere	36.72	815.2	281.4	0.5279	0.3948	0
660	Group 1	Sphere	34.14	818	147.2	0.4768	0.4607	0
661	Group 1	Sphere	26.69	829.9	358.2	0.3468	0.557	0
662	Group 1	Sphere	45.73	799.1	257	0.5877	0.554	0
663	Group 1	Sphere	47.51	794.4	14.62	0.2789	0.4119	0
664	Group 1	Sphere	32.27	820.1	346.2	0.452	0.4126	0
665	Group 1	Sphere	39.82	811.7	70.15	0.7316	0.3824	0
666	Group 1	Sphere	19.36	837.4	68.48	0.2355	0.5703	0
667	Group 1	Sphere	46.18	796.9	338.8	0.5184	0.4519	0
668	Group 1	Sphere	34.53	817.5	169.1	0.432	0.4713	0
669	Group 1	Sphere	47.43	794.6	3.686	0.4179	0.7393	0
670	Group 1	Sphere	16.5	839.5	9.997	0.4697	0.4815	0
671	Group 1	Sphere	45.41	800.6	115	0.5089	0.257	0
672	Group 1	Sphere	23.99	832.6	72.58	0.8111	0.5851	0
673	Group 1	Sphere	42.62	806.5	342.8	0.3986	0.6782	0
674	Group 1	Sphere	42.85	805.6	213.8	0.5236	0.7795	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
675	Group 1	Sphere	45.71	799.2	331.8	0.3486	0.5357	0
676	Group 1	Sphere	45.59	799.9	40.05	0.3705	0.853	0
677	Group 1	Sphere	41.17	809.6	64.7	0.4977	0.5384	0
678	Group 1	Sphere	21.99	834.9	210.8	0.4147	0.8517	0
679	Group 1	Sphere	48.25	792.6	359	0.2592	0.5892	0
680	Group 1	Sphere	15.74	840.4	30.1	0.7276	0.4767	0
681	Group 1	Sphere	47.94	793.5	299.6	0.423	0.5825	0
682	Group 1	Sphere	36.66	815.3	200.9	0.5118	0.7627	0
683	Group 1	Sphere	22.26	834.5	53.13	0.488	0.6455	0
684	Group 1	Sphere	30.68	821.8	186	0.6291	0.5681	0
685	Group 1	Sphere	44.28	802.1	70.48	0.7177	0.3104	0
686	Group 1	Sphere	18.68	838.2	333.4	0.5003	0.3514	0
687	Group 1	Sphere	41.43	808.9	26.5	0.4055	0.592	0
688	Group 1	Sphere	19.64	837.1	287.2	0.4835	0.4441	0
689	Group 1	Sphere	41.22	809.5	275.4	0.6436	0.5665	0
690	Group 1	Sphere	42.58	806.6	87.24	0.3796	0.6421	0
691	Group 1	Sphere	9.983	843.3	330.9	0.4021	0.4624	0
692	Group 1	Sphere	45.38	800.7	259.9	0.0591	0.1621	0
693	Group 1	Sphere	16.08	840	151.8	0.6682	0.6064	0
694	Group 1	Sphere	26.85	829.7	229.6	0.3602	0.7482	0
695	Group 1	Sphere	45.53	800.2	221.6	0.5691	0.369	0
696	Group 1	Sphere	13.69	841.8	237.6	0.3865	0.4023	0
697	Group 1	Sphere	14.86	840.9	142.6	0.7538	0.5796	0
698	Group 1	Sphere	29.57	823.7	219.4	0.4404	0.4464	0
699	Group 1	Sphere	18.73	838.1	76.58	0.569	0.5064	0
700	Group 1	Sphere	39.97	811.5	258.5	0.6478	0.4065	0
701	Group 1	Sphere	28.17	826.7	89.03	0.473	0.5728	0
702	Group 1	Sphere	47.83	793.8	227.2	0.3621	0.4455	0
703	Group 1	Sphere	29.4	824.3	208.7	0.5757	0.4572	0
704	Group 1	Sphere	22.44	834.3	156.3	0.4083	0.5367	0
705	Group 1	Sphere	29.74	823.1	8.046	0.5919	0.4837	0
706	Group 1	Sphere	32.48	819.8	132.8	0.2394	0.5453	0
707	Group 1	Sphere	45.93	797.9	7.572	0.4839	0.4104	0
708	Group 1	Sphere	44.77	801.8	139.6	0.2765	0.5912	0
709	Group 1	Sphere	35.04	817.3	182.4	0.5488	0.5014	0
710	Group 1	Sphere	31.63	820.6	209.2	0.7138	0.4356	0
711	Group 1	Sphere	28.5	825.8	260.1	0.6582	0.5641	0
712	Group 1	Sphere	22.03	834.8	33.27	0.4804	0.821	0
713	Group 1	Sphere	39.39	812.3	107.2	0.6549	0.5498	0
714	Group 1	Sphere	43.45	803.9	237.1	0.6779	0.6276	0
715	Group 1	Sphere	25.11	831.7	57.7	0.697	0.7965	0
716	Group 1	Sphere	46.94	795.5	119.5	0.5563	0.5008	0
717	Group 1	Sphere	23.42	833.4	22.09	0.4627	0.564	0
718	Group 1	Sphere	41.08	809.9	34.33	0.6068	0.5193	0
719	Group 1	Sphere	25.44	831.3	239.8	0.6671	0.7545	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
720	Group 1	Sphere	26.56	830.1	336.8	0.5984	0.3415	0
721	Group 1	Sphere	30.58	822	176.1	0.2452	0.6506	0
722	Group 1	Sphere	33.99	818.2	6.954	0.4367	0.5606	0
723	Group 1	Sphere	30.43	822.2	239.7	0.6007	0.5715	0
724	Group 1	Sphere	8.833	843.7	53.8	0.5481	0.598	0
725	Group 1	Sphere	21.84	835.1	314.6	0.6153	0.648	0
726	Group 1	Sphere	45.62	799.7	93.11	0.7396	0.8631	0
727	Group 1	Sphere	20.74	836.2	210.6	0.2669	0.5086	0
728	Group 1	Sphere	36.19	816	112.8	0.3353	0.3724	0
729	Group 1	Sphere	12.53	842.7	304.8	0.5306	0.431	0
730	Group 1	Sphere	36.26	815.9	29.26	0.3904	0.1276	0
731	Group 1	Sphere	44.42	801.9	66.4	0.3018	0.436	0
732	Group 1	Sphere	42.91	805.4	200.6	0.3098	0.303	0
733	Group 1	Sphere	45.86	798.4	329.3	0.6254	0.3996	0
734	Group 1	Sphere	44.98	801.6	160	0.4136	0.4268	0
735	Group 1	Sphere	20.24	836.7	252.9	0.6975	0.4566	0
736	Group 1	Sphere	36.09	816	201.9	0.5205	0.4869	0
737	Group 1	Sphere	46.73	795.9	59.58	0.3424	0.2825	0
738	Group 1	Sphere	17.75	838.7	321.2	0.5529	0.3903	0
739	Group 1	Sphere	41.54	808.7	114.3	0.3613	0.443	0
740	Group 1	Sphere	44.94	801.7	214.6	0.4495	0.7758	0
741	Group 1	Sphere	47.88	793.7	319.8	0.3834	0.3484	0
742	Group 1	Sphere	27.41	828.9	71.74	0.3213	0.5293	0
743	Group 1	Sphere	13.11	842.4	121.8	0.4453	0.701	0
744	Group 1	Sphere	11.41	843	13.07	0.1144	0.4937	0
745	Group 1	Sphere	45.91	798.1	180	0.2498	0.6924	0
746	Group 1	Sphere	35.14	817.1	172.1	0.3933	0.8244	0
747	Group 1	Sphere	23.25	833.5	285.2	0.577	0.3296	0
748	Group 1	Sphere	27.75	827.9	274	0.4326	0.6025	0
749	Group 1	Sphere	36.56	815.4	239.1	0.4106	0.613	0
750	Group 1	Sphere	43.03	804.9	281.8	0.3731	0.4263	0
751	Group 1	Sphere	15.8	840.3	154.3	0.4847	0.3855	0
752	Group 1	Sphere	44.65	801.8	356	0.6314	0.5068	0
753	Group 1	Sphere	45.97	797.7	151.4	0.3377	0.449	0
754	Group 1	Sphere	10.99	842.9	212.3	0.8168	0.5989	0
755	Group 1	Sphere	18.13	838.4	173.2	0.4865	0.5022	0
756	Group 1	Sphere	27.44	828.9	116	0.5809	0.6185	0
757	Group 1	Sphere	37.8	814.2	129.2	0.5249	0.4908	0
758	Group 1	Sphere	34.39	817.6	302.5	0.5195	0.5809	0
759	Group 1	Sphere	25.84	830.9	213.2	0.5803	0.5567	0
760	Group 1	Sphere	28.08	826.9	0.9068	0.476	0.5059	0
761	Group 1	Sphere	12.22	842.7	224.3	0.3975	0.4594	0
762	Group 1	Sphere	45.67	799.5	34.67	0.5575	0.6236	0
763	Group 1	Sphere	9.427	843.2	234.6	0.5337	0.3202	0
764	Group 1	Sphere	37.2	814.6	176.7	0.5468	0.4993	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
765	Group 1	Sphere	48.32	792.4	47.57	0.4558	0.2701	0
766	Group 1	Sphere	30.72	821.7	285.8	0.5611	0.4736	0
767	Group 1	Sphere	34.26	817.8	119.2	0.6595	0.3462	0
768	Group 1	Sphere	10.7	842.9	128.2	0.2884	0.5465	0
769	Group 1	Sphere	26.87	829.7	279.9	0.399	0.72	0
770	Group 1	Sphere	26.21	830.6	347.1	0.2491	0.5514	0
771	Group 1	Sphere	20.87	836	162.3	0.6071	0.4725	0
772	Group 1	Sphere	15.12	840.5	357.5	0.6616	0.8018	0
773	Group 1	Sphere	14.7	841.1	187	0.6375	0.4188	0
774	Group 1	Sphere	44.13	802.4	297.9	0.2158	0.4873	0
775	Group 1	Sphere	38.23	813.7	2.521	0.4908	0.1803	0
776	Group 1	Sphere	42.37	807.1	138.5	0.5267	0.4156	0
777	Group 1	Sphere	42.65	806.4	335	0.4028	0.5636	0
778	Group 1	Sphere	18.05	838.5	277.4	0.6098	0.5996	0
779	Group 1	Sphere	45.44	800.5	203.3	0.6473	0.586	0
780	Group 1	Sphere	17.15	839	194	0.5718	0.5754	0
781	Group 1	Sphere	24.77	832	90.67	0.6363	0.5593	0
782	Group 1	Sphere	43.52	803.8	216.2	0.6417	0.6003	0
783	Group 1	Sphere	13.32	842.3	16.05	0.4525	0.7471	0
784	Group 1	Sphere	29.77	823.1	16.49	0.4129	0.5118	0
785	Group 1	Sphere	33.32	819.2	94.15	0.3272	0.4914	0
786	Group 1	Sphere	15.97	840.1	196.7	0.3577	0.2579	0
787	Group 1	Sphere	29.67	823.4	41.88	0.7619	0.4163	0
788	Group 1	Sphere	19.23	837.6	60.47	0.2204	0.3802	0
789	Group 1	Sphere	35.28	816.9	253.3	0.5816	0.2742	0
790	Group 1	Sphere	45.75	799	342	0.4305	0.5475	0
791	Group 1	Sphere	35.79	816.2	194.1	0.2342	0.516	0
792	Group 1	Sphere	40.89	810.5	83.9	0.4777	0.3364	0
793	Group 1	Sphere	15.46	840.4	61.3	0.6622	0.5469	0
794	Group 1	Sphere	32.1	820.3	234.8	0.5602	0.5433	0
795	Group 1	Sphere	43.25	804.2	14.95	0.5898	0.722	0
796	Group 1	Sphere	37.2	814.6	109.1	0.5114	0.3753	0
797	Group 1	Sphere	29.84	823	320.9	0.6908	0.5147	0
798	Group 1	Sphere	45.84	798.5	27.41	0.4398	0.6798	0
799	Group 1	Sphere	37.06	814.8	346.6	0.7439	0.5166	0
800	Group 1	Sphere	24.43	832.3	139.9	0.5514	0.4932	0
801	Group 1	Sphere	13.16	842.4	108.6	0.5662	0.7104	0
802	Group 1	Sphere	47.09	795.2	64.87	0.5696	0.5255	0
803	Group 1	Sphere	38.52	813.2	266.5	0.435	0.4423	0
804	Group 1	Sphere	43.47	803.9	225.8	0.3821	0.6596	0
805	Group 1	Sphere	17.57	838.8	228.2	0.5544	0.4183	0
806	Group 1	Sphere	24.98	831.9	281.1	0.2833	0.56	0
807	Group 1	Sphere	27.47	828.8	313.2	0.4389	0.588	0
808	Group 1	Sphere	38.01	814	32.35	0.3596	0.4149	0
809	Group 1	Sphere	21.63	835.3	132.2	0.4884	0.555	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
810	Group 1	Sphere	34.38	817.6	222.3	0.4196	0.628	0
811	Group 1	Sphere	32.91	819.4	33.07	0.4354	0.2479	0
812	Group 1	Sphere	43.7	803.5	118.5	0.4807	0.7237	0
813	Group 1	Sphere	47.9	793.6	316.1	0.463	0.7132	0
814	Group 1	Sphere	19.47	837.3	4.768	0.5058	0.4511	0
815	Group 1	Sphere	28.59	825.5	89.89	0.7645	0.2725	0
816	Group 1	Sphere	14.08	841.3	18.61	0.2831	0.592	0
817	Group 1	Sphere	24.24	832.4	47.04	0.6483	0.5109	0
818	Group 1	Sphere	15.28	840.4	186.8	0.365	0.8382	0
819	Group 1	Sphere	42.68	806.2	23.87	0.391	0.2442	0
820	Group 1	Sphere	27.51	828.7	276.3	0.3392	0.7154	0
821	Group 1	Sphere	18.85	838	155.7	0.2987	0.5388	0
822	Group 1	Sphere	29.31	824.6	171	0.3276	0.5286	0
823	Group 1	Sphere	41.58	808.7	82.46	0.09713	0.3139	0
824	Group 1	Sphere	32.8	819.5	286.6	0.5829	0.4216	0
825	Group 1	Sphere	45.56	800.1	249.6	0.4479	0.6548	0
826	Group 1	Sphere	18.28	838.4	343.6	0.4266	0.3932	0
827	Group 1	Sphere	25.52	831.2	61.69	0.2802	0.729	0
828	Group 1	Sphere	45.8	798.7	32.73	0.2915	0.5531	0
829	Group 1	Sphere	12.74	842.7	311.2	0.4048	0.5525	0
830	Group 1	Sphere	44.82	801.8	255.1	0.5479	0.455	0
831	Group 1	Sphere	16.22	839.8	58.74	0.6494	0.6383	0
832	Group 1	Sphere	15.03	840.6	184.6	0.5783	0.3775	0
833	Group 1	Sphere	43.11	804.6	195.2	0.5157	0.4476	0
834	Group 1	Sphere	26.47	830.2	289.8	0.5788	0.2417	0
835	Group 1	Sphere	44.21	802.2	81.71	0.4859	0.4165	0
836	Group 1	Sphere	39.38	812.3	306.3	0.5062	0.8118	0
837	Group 1	Sphere	29.01	825.2	198	0.2642	0.4576	0
838	Group 1	Sphere	17.87	838.6	328.6	0.4111	0.488	0
839	Group 1	Sphere	30.22	822.5	207.8	0.738	0.7276	0
840	Group 1	Sphere	18.9	837.9	353.4	0.68	0.3681	0
841	Group 1	Sphere	48.07	793.1	113.9	0.2235	0.5939	0
842	Group 1	Sphere	27.7	828.1	161.1	0.3961	0.4705	0
843	Group 1	Sphere	42.97	805.2	163.2	0.3788	0.4789	0
844	Group 1	Sphere	27.93	827.3	266.3	0.6245	0.4094	0
845	Group 1	Sphere	21.42	835.5	132.9	0.4312	0.2134	0
846	Group 1	Sphere	35.5	816.5	249.4	0.6304	0.385	0
847	Group 1	Sphere	31.82	820.5	349.9	0.5149	0.6665	0
848	Group 1	Sphere	45.87	798.3	255.7	0.449	0.297	0
849	Group 1	Sphere	8.857	843.6	261.6	0.8312	0.6258	0
850	Group 1	Sphere	39.95	811.5	74.23	0.39	0.725	0
851	Group 1	Sphere	44.04	802.7	144.5	0.5743	0.3328	0
852	Group 1	Sphere	40.05	811.4	154	0.466	0.607	0
853	Group 1	Sphere	33.93	818.3	305.1	0.382	0.6823	0
854	Group 1	Sphere	11.74	843	120.1	0.6198	0.6319	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
855	Group 1	Sphere	26.12	830.7	77.84	0.4378	0.1073	0
856	Group 1	Sphere	46.08	797.1	216.5	0.6001	0.6094	0
857	Group 1	Sphere	43.68	803.5	13.48	0.4702	0.4502	0
858	Group 1	Sphere	48.16	792.9	235.3	0.7734	0.1949	0
859	Group 1	Sphere	32.04	820.4	24.6	0.7388	0.4728	0
860	Group 1	Sphere	44.11	802.5	152.1	0.6735	0.4951	0
861	Group 1	Sphere	28.45	825.9	325.4	0.5385	0.3313	0
862	Group 1	Sphere	20.97	835.9	123.8	0.4371	0.6196	0
863	Group 1	Sphere	29.89	822.9	44.8	0.7213	0.2393	0
864	Group 1	Sphere	36.55	815.5	211.2	0.6221	0.6919	0
865	Group 1	Sphere	16.91	839.2	216.8	0.4589	0.3662	0
866	Group 1	Sphere	40.52	810.9	268.8	0.256	0.5449	0
867	Group 1	Sphere	36.32	815.8	272.9	0.6611	0.6209	0
868	Group 1	Sphere	45.5	800.4	26.17	0.4826	0.6809	0
869	Group 1	Sphere	45.16	801.2	149	0.6331	0.327	0
870	Group 1	Sphere	42.14	807.8	126.1	0.5288	0.3906	0
871	Group 1	Sphere	48.15	792.9	53.45	0.4512	0.5216	0
872	Group 1	Sphere	9.668	843.3	181.9	0.4094	0.5248	0
873	Group 1	Sphere	29.49	824	212.5	0.5487	0.5738	0
874	Group 1	Sphere	29.54	823.8	206.2	0.8244	0.7845	0
875	Group 1	Sphere	43.97	802.9	145.7	0.4497	0.5382	0
876	Group 1	Sphere	44.23	802.2	166.7	0.5405	0.6758	0
877	Group 1	Sphere	14.36	841.3	55.09	0.5299	0.6737	0
878	Group 1	Sphere	30.64	821.9	316.9	0.2853	0.6698	0
879	Group 1	Sphere	28.04	827	97.77	0.4373	0.6513	0
880	Group 1	Sphere	27.37	829	226.8	0.6171	0.291	0
881	Group 1	Sphere	31.08	821.2	282.1	0.4005	0.4682	0
882	Group 1	Sphere	38.67	813.1	301	0.5045	0.3277	0
883	Group 1	Sphere	37.53	814.4	241.6	0.5617	0.4802	0
884	Group 1	Sphere	46.93	795.5	110.7	0.3912	0.2714	0
885	Group 1	Sphere	29.7	823.3	345.1	0.4707	0.6977	0
886	Group 1	Sphere	41.1	809.8	104	0.5074	0.3068	0
887	Group 1	Sphere	36.97	814.9	60.6	0.603	0.2297	0
888	Group 1	Sphere	20.69	836.3	73.11	0.7361	0.4601	0
889	Group 1	Sphere	8.757	843.7	267.9	0.5886	0.3616	0
890	Group 1	Sphere	24.9	831.9	346.9	0.756	0.4969	0
891	Group 1	Sphere	37.73	814.3	268.3	0.4213	0.4943	0
892	Group 1	Sphere	34.29	817.7	231.1	0.3027	0.4921	0
893	Group 1	Sphere	17.91	838.6	180.5	0.4567	0.5749	0
894	Group 1	Sphere	38.81	813	296.6	0.5891	0.6635	0
895	Group 1	Sphere	27.83	827.6	240.9	0.3438	0.5399	0
896	Group 1	Sphere	29.15	825.1	170.8	0.4304	0.3837	0
897	Group 1	Sphere	47.35	794.7	329.6	0.5553	0.6684	0
898	Group 1	Sphere	18.45	838.3	239	0.6451	0.4254	0
899	Group 1	Sphere	16.53	839.5	120.8	0.5997	0.3469	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
900	Group 1	Sphere	22.38	834.3	342.3	0.614	0.202	0
901	Group 1	Sphere	38.38	813.5	359.8	0.5462	0.1487	0
902	Group 1	Sphere	46.62	796.1	24.92	0.6383	0.5342	0
903	Group 1	Sphere	12.62	842.7	161.9	0.6213	0.6693	0
904	Group 1	Sphere	47.6	794.2	284.6	0.1531	0.413	0
905	Group 1	Sphere	27.46	828.8	225.2	0.453	0.6303	0
906	Group 1	Sphere	46.1	797	88.11	0.3481	0.4693	0
907	Group 1	Sphere	35.78	816.2	247.3	0.4075	0.4083	0
908	Group 1	Sphere	42.73	806.1	106.1	0.5133	0.6553	0
909	Group 1	Sphere	16.39	839.6	218	0.752	0.6203	0
910	Group 1	Sphere	48.26	792.6	178.1	0.6641	0.5044	0
911	Group 1	Sphere	12.23	842.7	143.9	0.6566	0.4628	0
912	Group 1	Sphere	45.78	798.8	23.2	0.5247	0.5477	0
913	Group 1	Sphere	35.32	816.8	126.5	0.5446	0.6289	0
914	Group 1	Sphere	25.01	831.8	315.3	0.5844	0.6741	0
915	Group 1	Sphere	34.92	817.4	261.9	0.4721	0.428	0
916	Group 1	Sphere	28.11	826.8	145.1	0.6938	0.4973	0
917	Group 1	Sphere	29.51	823.9	218.5	0.3721	0.4685	0
918	Group 1	Sphere	29.23	824.9	217.1	0.7245	0.2203	0
919	Group 1	Sphere	16.79	839.3	192.4	0.206	0.6229	0
920	Group 1	Sphere	37.11	814.7	98.71	0.612	0.5604	0
921	Group 1	Sphere	41.71	808.5	293.4	0.789	0.6754	0
922	Group 1	Sphere	47.21	795	260.4	0.6748	0.3817	0
923	Group 1	Sphere	28.03	827.1	334.2	0.3342	0.6059	0
924	Group 1	Sphere	30.85	821.5	172.7	0.398	0.3116	0
925	Group 1	Sphere	41.36	809.1	345.6	0.7595	0.5741	0
926	Group 1	Sphere	33.71	818.6	351.4	0.4458	0.3443	0
927	Group 1	Sphere	23.64	833	34.1	0.1642	0.527	0
928	Group 1	Sphere	43.92	803	17.25	0.3335	0.3857	0
929	Group 1	Sphere	29.24	824.9	317.7	0.5587	0.3511	0
930	Group 1	Sphere	25.76	830.9	63.49	0.4042	0.4392	0
931	Group 1	Sphere	11.22	842.9	274.5	0.5641	0.5081	0
932	Group 1	Sphere	41.84	808.3	68.82	0.5506	0.7861	0
933	Group 1	Sphere	45.68	799.4	170.4	0.6489	0.6177	0
934	Group 1	Sphere	20.89	836	349.1	0.6014	0.5632	0
935	Group 1	Sphere	18.22	838.4	38.73	0.4924	0.5736	0
936	Group 1	Sphere	44.33	801.9	75.71	0.532	0.6712	0
937	Group 1	Sphere	21.26	835.7	140.1	0.5623	0.3648	0
938	Group 1	Sphere	33.25	819.3	99.76	0.6189	0.533	0
939	Group 1	Sphere	29.19	825.1	236.7	0.5875	0.4978	0
940	Group 1	Sphere	45.76	798.9	255.4	0.5198	0.2457	0
941	Group 1	Sphere	11.86	842.9	111.3	0.5312	0.612	0
942	Group 1	Sphere	47.55	794.3	137.8	0.4425	0.3419	0
943	Group 1	Sphere	26.09	830.7	26.99	0.5237	0.5116	0
944	Group 1	Sphere	27.91	827.4	103	0.4663	0.577	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
945	Group 1	Sphere	30.77	821.6	44.05	0.4256	0.8337	0
946	Group 1	Sphere	41.14	809.7	88.23	0.6607	0.2538	0
947	Group 1	Sphere	33.4	819.1	282.3	0.6389	0.4199	0
948	Group 1	Sphere	41.3	809.2	94.68	0.3952	0.7419	0
949	Group 1	Sphere	27.28	829.1	299.1	0.3549	0.3974	0
950	Group 1	Sphere	9.788	843.3	321.6	0.5231	0.6313	0
951	Group 1	Sphere	10.82	842.9	282.7	0.5316	0.1848	0
952	Group 1	Sphere	35.51	816.5	237.5	0.6279	0.4701	0
953	Group 1	Sphere	37.28	814.5	175	0.6044	0.2237	0
954	Group 1	Sphere	31.15	821.1	261.1	0.4171	0.3701	0
955	Group 1	Sphere	42.99	805.1	242.5	0.4736	0.3741	0
956	Group 1	Sphere	19.69	837	50.33	0.3647	0.3954	0
957	Group 1	Sphere	9.03	843.5	290.7	0.5794	0.4282	0
958	Group 1	Sphere	30.51	822.1	19.27	0.9061	0.4286	0
959	Group 1	Sphere	31.55	820.6	70.96	0.3322	0.4944	0
960	Group 1	Sphere	27.73	828	56.52	0.6765	0.4494	0
961	Group 1	Sphere	12.83	842.7	250	0.4713	0.7013	0
962	Group 1	Sphere	47.99	793.4	207.1	0.438	0.7513	0
963	Group 1	Sphere	28.4	826	231.5	0.6167	0.6888	0
964	Group 1	Sphere	40.21	811.2	169.6	0.3473	0.5178	0
965	Group 1	Sphere	12.69	842.7	309	0.4646	0.5157	0
966	Group 1	Sphere	45.62	799.7	144.8	0.73	0.5723	0
967	Group 1	Sphere	18.33	838.3	130.3	0.2413	0.4747	0
968	Group 1	Sphere	36.78	815.2	149.6	0.6296	0.4049	0
969	Group 1	Sphere	38.4	813.4	173.6	0.7047	0.4425	0
970	Group 1	Sphere	32.24	820.1	150.7	0.4851	0.5659	0
971	Group 1	Sphere	16.27	839.7	340.4	0.403	0.7123	0
972	Group 1	Sphere	33.51	818.9	293.8	0.6111	0.3432	0
973	Group 1	Sphere	36.61	815.4	259.1	0.3155	0.373	0
974	Group 1	Sphere	28.26	826.4	355	0.2959	0.3924	0
975	Group 1	Sphere	15.58	840.4	240.5	0.5746	0.4653	0
976	Group 1	Sphere	39.35	812.4	296.7	0.6195	0.3322	0
977	Group 1	Sphere	14.25	841.3	197.5	0.5594	0.3676	0
978	Group 1	Sphere	46.05	797.3	220.2	0.4584	0.1898	0
979	Group 1	Sphere	43.07	804.8	183.5	0.4579	0.4819	0
980	Group 1	Sphere	27.09	829.4	315	0.6426	0.5669	0
981	Group 1	Sphere	18.16	838.4	332.7	0.4404	0.3862	0
982	Group 1	Sphere	40.97	810.3	4.505	0.3699	0.7724	0
983	Group 1	Sphere	30.91	821.4	80.24	0.4334	0.7205	0
984	Group 1	Sphere	46.13	797	80.81	0.5557	0.4584	0
985	Group 1	Sphere	32.64	819.6	244.5	0.3524	0.4718	0
986	Group 1	Sphere	33.82	818.4	356.3	0.1313	0.4514	0
987	Group 1	Sphere	28.27	826.4	65.32	0.4774	0.7693	0
988	Group 1	Sphere	42.34	807.2	138.8	0.2646	0.479	0
989	Group 1	Sphere	41.34	809.1	84.45	0.4595	0.7264	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
990	Group 1	Sphere	28.37	826.1	161.5	0.2407	0.5296	0
991	Group 1	Sphere	48.41	792.1	344.7	0.4572	0.6787	0
992	Group 1	Sphere	31.42	820.8	290.4	0.7876	0.2843	0
993	Group 1	Sphere	14.42	841.3	142.2	0.5994	0.2896	0
994	Group 1	Sphere	46.99	795.4	43.83	0.618	0.3771	0
995	Group 1	Sphere	42.44	807	280.3	0.6372	0.5122	0
996	Group 1	Sphere	16.63	839.4	49.16	0.559	0.5334	0
997	Group 1	Sphere	37.36	814.4	198.8	0.4562	0.4008	0
998	Group 1	Sphere	26.41	830.3	270.9	0.7462	0.378	0
999	Group 1	Sphere	18.5	838.3	191.3	0.376	0.4976	0
1000	Group 1	Sphere	52.86	687.3	327.8	0.4354	0.6862	0
1001	Group 1	Sphere	52.9	685.5	319.6	0.6212	0.3191	0
1002	Group 1	Sphere	52.53	702.1	124.6	0.4669	0.4423	0
1003	Group 1	Sphere	52.96	682.9	130.2	0.6234	0.4853	0
1004	Group 1	Sphere	52.76	691.9	287.5	0.6012	0.5598	0
1005	Group 1	Sphere	52.53	702	57.2	0.3784	0.6115	0
1006	Group 1	Sphere	53.01	680.6	60.92	0.4414	0.3807	0
1007	Group 1	Sphere	53.07	677.9	133.9	0.3374	0.518	0
1008	Group 1	Sphere	52.06	703	243.1	0.5325	0.4533	0
1009	Group 1	Sphere	51.24	704.6	78.05	0.4347	0.3693	0
1010	Group 1	Sphere	52.92	684.4	248.9	0.2528	0.2772	0
1011	Group 1	Sphere	50.26	711.6	279.5	0.3314	0.2581	0
1012	Group 1	Sphere	52.69	694.8	213.7	0.5788	0.3015	0
1013	Group 1	Sphere	52.84	688.2	349.9	0.4119	0.7382	0
1014	Group 1	Sphere	51.06	706.6	139.3	0.6195	0.4905	0
1015	Group 1	Sphere	51.02	707	83.17	0.6563	0.2918	0
1016	Group 1	Sphere	52.07	703	303.5	0.8818	0.2716	0
1017	Group 1	Sphere	52.64	697	264.5	0.3489	0.7156	0
1018	Group 1	Sphere	53.05	678.8	93.46	0.3939	0.5424	0
1019	Group 1	Sphere	52.53	702.2	84.4	0.6246	0.8273	0
1020	Group 1	Sphere	51.11	706.1	186.8	0.5145	0.4287	0
1021	Group 1	Sphere	52.77	691	68.34	0.2917	0.4369	0
1022	Group 1	Sphere	50.53	710.7	288.6	0.6587	0.3241	0
1023	Group 1	Sphere	52.72	693.3	94.91	0.2948	0.1184	0
1024	Group 1	Sphere	52.87	686.9	217	0.4571	0.5469	0
1025	Group 1	Sphere	50.58	710.5	52.67	0.7408	0.6405	0
1026	Group 1	Sphere	52.59	699.2	261.8	0.3646	0.6363	0
1027	Group 1	Sphere	52.56	700.5	116.9	0.5139	0.4404	0
1028	Group 1	Sphere	52.6	698.9	170.3	0.5657	0.3201	0
1029	Group 1	Sphere	52.99	681.5	266	0.5822	0.2322	0
1030	Group 1	Sphere	52.56	700.8	357.1	0.3726	0.4717	0
1031	Group 1	Sphere	50.78	709.7	92.74	0.4381	0.382	0
1032	Group 1	Sphere	52.54	701.6	226.8	0.4302	0.4341	0
1033	Group 1	Sphere	51.52	703.3	326.5	0.1552	0.4664	0
1034	Group 1	Sphere	51.33	703.6	308.5	0.5973	0.4622	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1035	Group 1	Sphere	50.31	711.4	182.6	0.4743	0.7043	0
1036	Group 1	Sphere	52.82	689.1	259.6	0.5546	0.6103	0
1037	Group 1	Sphere	52.92	684.6	305.4	0.4878	0.5579	0
1038	Group 1	Sphere	51.01	707.1	325.8	0.5211	0.3361	0
1039	Group 1	Sphere	52.74	692.7	350.6	0.5078	0.1384	0
1040	Group 1	Sphere	52.58	699.8	181.8	0.6844	0.4449	0
1041	Group 1	Sphere	51.23	704.7	137.3	0.394	0.6414	0
1042	Group 1	Sphere	52.66	696.1	221.7	0.5064	0.5402	0
1043	Group 1	Sphere	51.18	705.3	141.2	0.7082	0.4166	0
1044	Group 1	Sphere	53.03	679.7	93.91	0.4389	0.5086	0
1045	Group 1	Sphere	52.74	692.8	70.3	0.5574	0.3515	0
1046	Group 1	Sphere	51.04	706.8	188.4	0.4952	0.5376	0
1047	Group 1	Sphere	51.2	705	265.4	0.2646	0.4355	0
1048	Group 1	Sphere	52.83	688.3	168.7	0.585	0.3608	0
1049	Group 1	Sphere	52.63	697.5	51.88	0.5492	0.5558	0
1050	Group 1	Sphere	52.65	696.5	223.3	0.5039	0.4945	0
1051	Group 1	Sphere	53.07	677.7	236.8	0.5853	0.4444	0
1052	Group 1	Sphere	51.93	703.1	314.5	0.2081	0.5808	0
1053	Group 1	Sphere	50.91	708.3	310.8	0.6394	0.6994	0
1054	Group 1	Sphere	52.53	701.8	290.6	0.52	0.2959	0
1055	Group 1	Sphere	50.77	709.9	54.27	0.9404	0.659	0
1056	Group 1	Sphere	52.95	682.9	201.3	0.3477	0.6952	0
1057	Group 1	Sphere	50.37	711.2	205.6	0.5614	0.7256	0
1058	Group 1	Sphere	52.77	691.4	129.5	0.426	0.1567	0
1059	Group 1	Sphere	50.45	710.9	74.94	0.5282	0.3647	0
1060	Group 1	Sphere	52.58	699.7	342.7	0.4947	0.5727	0
1061	Group 1	Sphere	52.89	685.8	301.6	0.5947	0.3775	0
1062	Group 1	Sphere	52.78	690.6	66.46	0.5787	0.5846	0
1063	Group 1	Sphere	53.03	679.4	348.8	0.7073	0.4495	0
1064	Group 1	Sphere	51.37	703.4	159.6	0.4233	0.5935	0
1065	Group 1	Sphere	52.73	693.1	3.397	0.5983	0.6519	0
1066	Group 1	Sphere	52.88	686.3	220.1	0.5663	0.4256	0
1067	Group 1	Sphere	52.69	694.9	63.6	0.6939	0.4971	0
1068	Group 1	Sphere	52.66	696.3	15.16	0.4682	0.5337	0
1069	Group 1	Sphere	53.02	679.9	153.7	0.7228	0.7263	0
1070	Group 1	Sphere	52.14	703	238.3	0.31	0.4881	0
1071	Group 1	Sphere	52.68	695.4	108.5	0.6838	0.4362	0
1072	Group 1	Sphere	52.68	695.5	174.9	0.1954	0.3918	0
1073	Group 1	Sphere	51.23	704.7	168.2	0.2349	0.7122	0
1074	Group 1	Sphere	51.26	704.4	34.32	0.7215	0.6913	0
1075	Group 1	Sphere	51.3	703.9	5.356	0.3292	0.7901	0
1076	Group 1	Sphere	51.15	705.6	132.7	0.5191	0.657	0
1077	Group 1	Sphere	52.94	683.4	66.6	0.9033	0.4056	0
1078	Group 1	Sphere	51.02	707.1	1.902	0.3741	0.692	0
1079	Group 1	Sphere	50.93	708	229.1	0.4962	0.6606	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1080	Group 1	Sphere	52.84	687.9	275.2	0.4592	0.6099	0
1081	Group 1	Sphere	53	680.9	316.2	0.7554	0.6814	0
1082	Group 1	Sphere	50.84	709.1	2.951	0.1731	0.5152	0
1083	Group 1	Sphere	51.67	703.2	197.6	0.3994	0.677	0
1084	Group 1	Sphere	52.84	688	152.6	0.5377	0.4781	0
1085	Group 1	Sphere	52.54	701.8	245.9	0.5318	0.6253	0
1086	Group 1	Sphere	52.8	690	28.76	0.5359	0.6629	0
1087	Group 1	Sphere	52.88	686.1	315.7	0.4781	0.596	0
1088	Group 1	Sphere	53.02	680.1	274.3	0.5044	0.6108	0
1089	Group 1	Sphere	52.79	690.5	87.19	0.2306	0.2202	0
1090	Group 1	Sphere	52.62	698	237.2	0.5577	0.4017	0
1091	Group 1	Sphere	52.85	687.6	199.4	0.2615	0.1527	0
1092	Group 1	Sphere	52.65	696.7	114.3	0.59	0.4206	0
1093	Group 1	Sphere	52.94	683.5	38.08	0.6093	0.5012	0
1094	Group 1	Sphere	52.82	688.8	319.3	0.6596	0.4611	0
1095	Group 1	Sphere	52.54	701.7	15.82	0.5568	0.5068	0
1096	Group 1	Sphere	52.95	683.1	200.3	0.7657	0.9378	0
1097	Group 1	Sphere	52.9	685.5	4.987	0.2938	0.1649	0
1098	Group 1	Sphere	52.69	694.9	100.6	0.3343	0.4193	0
1099	Group 1	Sphere	52.69	694.6	298.5	0.3677	0.4955	0
1100	Group 1	Sphere	53.05	678.4	177.6	0.6087	0.3354	0
1101	Group 1	Sphere	52.73	693.2	347.7	0.4325	0.6021	0
1102	Group 1	Sphere	50.78	709.8	50.56	0.4769	0.2788	0
1103	Group 1	Sphere	51.2	705	298.9	0.4163	0.3814	0
1104	Group 1	Sphere	50.89	708.5	168.1	0.6491	0.3336	0
1105	Group 1	Sphere	51.14	705.8	332.2	0.4288	0.7848	0
1106	Group 1	Sphere	53.01	680.2	198	0.3126	0.3521	0
1107	Group 1	Sphere	51.32	703.7	20.01	0.7502	0.2294	0
1108	Group 1	Sphere	51.24	704.6	303.9	0.7294	0.6496	0
1109	Group 1	Sphere	52.75	692.2	8.291	0.3552	0.6016	0
1110	Group 1	Sphere	52.9	685.4	46.27	0.8476	0.6664	0
1111	Group 1	Sphere	51.22	704.8	54.37	0.5954	0.3794	0
1112	Group 1	Sphere	52.88	686.4	125.7	0.4099	0.2705	0
1113	Group 1	Sphere	53.1	676.5	82.58	0.4075	0.559	0
1114	Group 1	Sphere	53.03	679.6	282.3	0.3865	0.3678	0
1115	Group 1	Sphere	50.55	710.6	118.6	0.6535	0.3789	0
1116	Group 1	Sphere	52.64	697.1	3.897	0.4157	0.4655	0
1117	Group 1	Sphere	53.02	679.8	344.7	0.4919	0.5067	0
1118	Group 1	Sphere	50.96	707.7	97.15	0.4333	0.4045	0
1119	Group 1	Sphere	52.7	694.4	26.04	0.4096	0.337	0
1120	Group 1	Sphere	52.94	683.5	118.9	0.689	0.5901	0
1121	Group 1	Sphere	52.73	693	7.202	0.5773	0.5731	0
1122	Group 1	Sphere	52.98	681.8	270.5	0.6904	0.4639	0
1123	Group 1	Sphere	52.76	691.7	51.49	0.6652	0.2222	0
1124	Group 1	Sphere	51.11	706	76.23	0.3716	0.5393	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1125	Group 1	Sphere	52.99	681.1	252.5	0.4042	0.4198	0
1126	Group 1	Sphere	50.88	708.7	207.3	0.2853	0.5616	0
1127	Group 1	Sphere	52.73	693	83.05	0.5506	0.3892	0
1128	Group 1	Sphere	52.68	695.1	179.4	0.7175	0.408	0
1129	Group 1	Sphere	52.7	694.4	45.61	0.3202	0.5379	0
1130	Group 1	Sphere	50.84	709.1	78.24	0.5478	0.4701	0
1131	Group 1	Sphere	52.93	684.2	30.36	0.3587	0.2572	0
1132	Group 1	Sphere	52.92	684.6	174.3	0.3639	0.3486	0
1133	Group 1	Sphere	52.7	694.3	328.1	0.2644	0.7035	0
1134	Group 1	Sphere	53.03	679.3	288.2	0.6794	0.5193	0
1135	Group 1	Sphere	52.53	702.1	235.2	0.5645	0.2126	0
1136	Group 1	Sphere	52.92	684.6	148.8	0.6742	0.582	0
1137	Group 1	Sphere	52.86	687	147.5	0.7127	0.5884	0
1138	Group 1	Sphere	50.28	711.5	25.71	0.4658	0.4304	0
1139	Group 1	Sphere	52.61	698.3	82.24	0.5563	0.646	0
1140	Group 1	Sphere	52.84	688.1	295.3	0.3353	0.6929	0
1141	Group 1	Sphere	50.98	707.5	321	0.4648	0.5572	0
1142	Group 1	Sphere	52.94	683.4	311.9	0.5542	0.4067	0
1143	Group 1	Sphere	52.81	689.2	214.6	0.5498	0.4036	0
1144	Group 1	Sphere	52.9	685.2	204.4	0.4531	0.5117	0
1145	Group 1	Sphere	53.01	680.5	240.3	0.646	0.3878	0
1146	Group 1	Sphere	52.85	687.7	16.52	0.6628	0.5868	0
1147	Group 1	Sphere	52.55	701.3	116.3	0.6926	0.5455	0
1148	Group 1	Sphere	50.92	708.2	352.4	0.5726	0.5321	0
1149	Group 1	Sphere	52.85	687.5	350.7	0.5691	0.811	0
1150	Group 1	Sphere	50.99	707.4	245.7	0.4606	0.4603	0
1151	Group 1	Sphere	53.03	679.7	134.4	0.6858	0.3635	0
1152	Group 1	Sphere	53.09	676.9	181	0.3538	0.4712	0
1153	Group 1	Sphere	52.87	686.6	46.71	0.4394	0.2627	0
1154	Group 1	Sphere	52.75	692.1	234.8	0.4271	0.3904	0
1155	Group 1	Sphere	51.22	704.8	77.62	0.5297	0.6293	0
1156	Group 1	Sphere	52.28	702.8	156.5	0.3531	0.2924	0
1157	Group 1	Sphere	50.75	710	73.4	0.4675	0.4106	0
1158	Group 1	Sphere	52.66	696.3	193.9	0.5594	0.8159	0
1159	Group 1	Sphere	52.71	694.2	278.1	0.5668	0.4517	0
1160	Group 1	Sphere	52.85	687.7	212.7	0.5168	0.5302	0
1161	Group 1	Sphere	52.59	699.1	359	0.611	0.396	0
1162	Group 1	Sphere	52.92	684.4	17.71	0.4474	0.472	0
1163	Group 1	Sphere	52.85	687.5	336	0.5465	0.326	0
1164	Group 1	Sphere	50.67	710.2	145	0.4623	0.612	0
1165	Group 1	Sphere	52.78	690.9	77.25	0.4718	0.4673	0
1166	Group 1	Sphere	52.9	685.2	152.3	0.4194	0.4239	0
1167	Group 1	Sphere	52.81	689.5	142.4	0.614	0.8333	0
1168	Group 1	Sphere	53.03	679.5	292	0.7262	0.4707	0
1169	Group 1	Sphere	52.94	683.4	136.2	0.7102	0.499	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1170	Group 1	Sphere	52.91	684.7	296.5	0.44	0.5425	0
1171	Group 1	Sphere	50.29	711.4	184.8	0.475	0.788	0
1172	Group 1	Sphere	53.05	678.5	249.6	0.4259	0.5595	0
1173	Group 1	Sphere	52.76	691.6	268.5	0.8331	0.4321	0
1174	Group 1	Sphere	52.81	689.5	136.9	0.5081	0.6041	0
1175	Group 1	Sphere	53.06	678.2	305	0.5906	0.4901	0
1176	Group 1	Sphere	52.63	697.7	319.7	0.4537	0.2904	0
1177	Group 1	Sphere	52.79	690.3	254.5	0.4365	0.6852	0
1178	Group 1	Sphere	50.72	710.1	72.79	0.2588	0.5697	0
1179	Group 1	Sphere	53.03	679.4	98.54	0.4693	0.8185	0
1180	Group 1	Sphere	51.03	706.9	118.1	0.4766	0.5257	0
1181	Group 1	Sphere	52.91	685.1	39.8	0.6493	0.1821	0
1182	Group 1	Sphere	50.52	710.7	32.01	0.6361	0.4769	0
1183	Group 1	Sphere	53.09	676.6	289	0.5521	0.5051	0
1184	Group 1	Sphere	52.87	686.5	320.2	0.6252	0.4129	0
1185	Group 1	Sphere	52.61	698.7	157.3	0.3144	0.4939	0
1186	Group 1	Sphere	50.92	708.1	2.272	0.7806	0.5527	0
1187	Group 1	Sphere	50.85	708.9	10.03	0.4245	0.4832	0
1188	Group 1	Sphere	51.24	704.5	261.7	0.4315	0.5186	0
1189	Group 1	Sphere	51.3	704	238.3	0.2824	0.5396	0
1190	Group 1	Sphere	50.97	707.7	112.4	0.5395	0.44	0
1191	Group 1	Sphere	50.9	708.4	21.96	0.5237	0.3532	0
1192	Group 1	Sphere	52.83	688.7	22.79	0.3621	0.5072	0
1193	Group 1	Sphere	52.84	688	18.65	0.5849	0.3459	0
1194	Group 1	Sphere	52.95	683.3	43.93	0.5733	0.37	0
1195	Group 1	Sphere	52.87	686.8	42.23	0.3337	0.3268	0
1196	Group 1	Sphere	52.56	700.6	209	0.3585	0.5757	0
1197	Group 1	Sphere	52.59	699.5	90.44	0.4027	0.4615	0
1198	Group 1	Sphere	52.82	689.1	309	0.7606	0.5224	0
1199	Group 1	Sphere	52.97	682.1	222.8	0.3493	0.4291	0
1200	Group 1	Sphere	51.2	705.1	175.8	0.317	0.6842	0
1201	Group 1	Sphere	52.78	690.8	239.2	0.6105	0.4273	0
1202	Group 1	Sphere	51.1	706.2	128.5	0.4559	0.495	0
1203	Group 1	Sphere	52.8	690	87.07	0.6908	0.6175	0
1204	Group 1	Sphere	52.57	700.2	222.9	0.5091	0.4032	0
1205	Group 1	Sphere	52.75	692.3	113.8	0.4722	0.359	0
1206	Group 1	Sphere	52.71	693.9	116.4	0.5306	0.1959	0
1207	Group 1	Sphere	52.64	697.1	199.5	0.5089	0.807	0
1208	Group 1	Sphere	52.47	702.7	149.7	0.5181	0.5325	0
1209	Group 1	Sphere	52.57	700.5	99.17	0.6065	0.6125	0
1210	Group 1	Sphere	52.79	690.2	163.6	0.4491	0.7238	0
1211	Group 1	Sphere	52.56	700.8	227.8	0.5491	0.5583	0
1212	Group 1	Sphere	52.85	687.6	147.1	0.5372	0.4458	0
1213	Group 1	Sphere	52.69	694.8	317.4	0.4759	0.5112	0
1214	Group 1	Sphere	52.9	685.3	289.7	0.5675	0.5415	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1215	Group 1	Sphere	53.05	678.5	31.08	0.5778	0.5164	0
1216	Group 1	Sphere	52.99	681.4	238.7	0.6543	0.4128	0
1217	Group 1	Sphere	50.93	708.1	278.4	0.4571	0.6903	0
1218	Group 1	Sphere	52.67	695.7	314.7	0.3398	0.4909	0
1219	Group 1	Sphere	52.74	692.5	282.8	0.8181	0.7977	0
1220	Group 1	Sphere	52.58	700	107.7	0.4972	0.5343	0
1221	Group 1	Sphere	53.05	678.7	341.3	0.4459	0.628	0
1222	Group 1	Sphere	52.89	685.7	18.3	0.6152	0.3308	0
1223	Group 1	Sphere	52.67	696	107	0.3199	0.4559	0
1224	Group 1	Sphere	52.96	682.5	336.3	0.3812	0.487	0
1225	Group 1	Sphere	53.03	679.4	92.04	0.5413	0.7205	0
1226	Group 1	Sphere	51.08	706.3	219.6	0.6676	0.4262	0
1227	Group 1	Sphere	52.56	700.9	102.4	0.4	0.8591	0
1228	Group 1	Sphere	50.34	711.3	310.5	0.6073	0.5211	0
1229	Group 1	Sphere	52.89	685.8	266.3	0.3191	0.5461	0
1230	Group 1	Sphere	50.56	710.6	135.1	0.4221	0.5854	0
1231	Group 1	Sphere	52.39	702.7	217.3	0.6208	0.519	0
1232	Group 1	Sphere	51.07	706.5	226.9	0.4927	0.6299	0
1233	Group 1	Sphere	53.03	679.6	316.7	0.2664	0.2354	0
1234	Group 1	Sphere	51.11	706.1	211.4	0.4976	0.489	0
1235	Group 1	Sphere	52.62	697.9	20.96	0.5768	0.5216	0
1236	Group 1	Sphere	52.63	697.5	205.2	0.6776	0.5314	0
1237	Group 1	Sphere	51.13	705.9	127.8	0.3281	0.3927	0
1238	Group 1	Sphere	52.87	686.9	70.01	0.4717	0.5078	0
1239	Group 1	Sphere	50.65	710.3	354.7	0.1662	0.8601	0
1240	Group 1	Sphere	52.63	697.4	200.6	0.3025	0.6613	0
1241	Group 1	Sphere	52.68	695.1	184.3	0.7054	0.4455	0
1242	Group 1	Sphere	52.79	690.4	232.2	0.6467	0.3935	0
1243	Group 1	Sphere	52.71	693.7	166.8	0.5113	0.5763	0
1244	Group 1	Sphere	52.55	701.1	349.1	0.522	0.6423	0
1245	Group 1	Sphere	52.67	695.6	311.7	0.5748	0.4798	0
1246	Group 1	Sphere	53.09	676.7	155	0.5745	0.4886	0
1247	Group 1	Sphere	52.93	683.9	121.1	0.6509	0.4147	0
1248	Group 1	Sphere	52.61	698.6	229.5	0.2971	0.2231	0
1249	Group 1	Sphere	51.77	703.2	1.383	0.1981	0.7018	0
1250	Group 1	Sphere	53.1	676.3	336.7	0.5408	0.5236	0
1251	Group 1	Sphere	52.78	690.7	94.01	0.7842	0.5663	0
1252	Group 1	Sphere	51.33	703.6	250.2	0.1173	0.2787	0
1253	Group 1	Sphere	53.01	680.5	273	0.3512	0.2148	0
1254	Group 1	Sphere	52.85	687.5	248.4	0.4424	0.3888	0
1255	Group 1	Sphere	52.64	697.1	266.8	0.6221	0.5812	0
1256	Group 1	Sphere	52.97	682.2	123.2	0.797	0.5929	0
1257	Group 1	Sphere	52.82	689	72.4	0.4083	0.5009	0
1258	Group 1	Sphere	51.19	705.2	259	0.48	0.6277	0
1259	Group 1	Sphere	53.1	676.5	215.9	0.7208	0.6411	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1260	Group 1	Sphere	52.8	689.7	302.1	0.8123	0.6478	0
1261	Group 1	Sphere	50.88	708.7	79.02	0.4964	0.4596	0
1262	Group 1	Sphere	53.02	679.8	187.4	0.5585	0.5355	0
1263	Group 1	Sphere	52.95	683.3	150.1	0.635	0.4138	0
1264	Group 1	Sphere	52.83	688.5	158.2	0.4713	0.4961	0
1265	Group 1	Sphere	52.65	696.8	172.9	0.6078	0.5034	0
1266	Group 1	Sphere	52.83	688.3	125.5	0.5644	0.5082	0
1267	Group 1	Sphere	52.88	686.1	109.1	0.6881	0.5476	0
1268	Group 1	Sphere	52.84	688.2	237.8	0.6831	0.3039	0
1269	Group 1	Sphere	52.32	702.8	34.02	0.2976	0.2487	0
1270	Group 1	Sphere	52.77	691.4	63.78	0.4908	0.5905	0
1271	Group 1	Sphere	52.98	681.9	146.1	0.5109	0.3098	0
1272	Group 1	Sphere	52.61	698.5	318.4	0.542	0.6171	0
1273	Group 1	Sphere	52.89	685.6	43.34	0.5633	0.7941	0
1274	Group 1	Sphere	52.89	686	320.7	0.668	0.5786	0
1275	Group 1	Sphere	50.8	709.5	228.7	0.3773	0.7654	0
1276	Group 1	Sphere	51.27	704.3	160.1	0.6976	0.7103	0
1277	Group 1	Sphere	52.65	696.9	169.7	0.5679	0.8415	0
1278	Group 1	Sphere	51.84	703.2	335.5	0.3519	0.6159	0
1279	Group 1	Sphere	52.83	688.6	113.6	0.3817	0.6489	0
1280	Group 1	Sphere	52.61	698.4	273.4	0.3389	0.4008	0
1281	Group 1	Sphere	52.93	684.2	10.15	0.6205	0.4979	0
1282	Group 1	Sphere	52.52	702.5	239.7	0.3962	0.5567	0
1283	Group 1	Sphere	53.09	676.7	81.77	0.7315	0.4277	0
1284	Group 1	Sphere	52.76	691.7	220.9	0.5967	0.4283	0
1285	Group 1	Sphere	53.08	677.4	67.6	0.7569	0.3709	0
1286	Group 1	Sphere	53.05	678.6	247.4	0.7065	0.6289	0
1287	Group 1	Sphere	53	681.1	173.8	0.6372	0.2642	0
1288	Group 1	Sphere	52.81	689.6	346.8	0.3209	0.5515	0
1289	Group 1	Sphere	52.57	700.2	352.5	0.4789	0.2422	0
1290	Group 1	Sphere	52.86	687	158.9	0.3786	0.4113	0
1291	Group 1	Sphere	52.68	695.1	313.4	0.526	0.4819	0
1292	Group 1	Sphere	52.75	692.2	277.6	0.5731	0.334	0
1293	Group 1	Sphere	52.93	684	172.4	0.336	0.6932	0
1294	Group 1	Sphere	52.83	688.7	322.5	0.5053	0.6823	0
1295	Group 1	Sphere	51.92	703.1	155.5	0.4699	0.5713	0
1296	Group 1	Sphere	50.74	710	20.33	0.3439	0.2099	0
1297	Group 1	Sphere	51.57	703.3	207.9	0.587	0.5815	0
1298	Group 1	Sphere	52.62	697.9	143.7	0.7595	0.5252	0
1299	Group 1	Sphere	51	707.3	230.9	0.6511	0.1017	0
1300	Group 1	Sphere	52.87	686.7	220.5	0.4441	0.4233	0
1301	Group 1	Sphere	53	680.7	351.1	0.6474	0.5497	0
1302	Group 1	Sphere	52.67	695.6	160.4	0.5555	0.7095	0
1303	Group 1	Sphere	53.09	676.8	218.1	0.5524	0.2006	0
1304	Group 1	Sphere	52.59	699.4	323.4	0.4336	0.399	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1305	Group 1	Sphere	50.98	707.5	201	0.6084	0.6146	0
1306	Group 1	Sphere	53.01	680.4	85.83	0.6332	0.5291	0
1307	Group 1	Sphere	52.97	682.1	59.81	0.5355	0.4953	0
1308	Group 1	Sphere	52.86	687.1	203.7	0.529	0.5383	0
1309	Group 1	Sphere	53.07	677.5	313.6	0.3499	0.6576	0
1310	Group 1	Sphere	50.97	707.6	161.6	0.341	0.5803	0
1311	Group 1	Sphere	52.79	690.2	84.87	0.7746	0.4987	0
1312	Group 1	Sphere	52.85	687.4	296	0.4888	0.6512	0
1313	Group 1	Sphere	50.81	709.4	306	0.2292	0.6638	0
1314	Group 1	Sphere	52.53	702.1	140.1	0.3946	0.3075	0
1315	Group 1	Sphere	52.62	698	314.3	0.6397	0.5979	0
1316	Group 1	Sphere	51.09	706.3	337.9	0.6642	0.6036	0
1317	Group 1	Sphere	52.84	688.2	14.91	0.5157	0.6957	0
1318	Group 1	Sphere	52.95	682.9	139.8	0.4833	0.4742	0
1319	Group 1	Sphere	52.64	697.2	95.34	0.3732	0.6644	0
1320	Group 1	Sphere	52.92	684.3	345.5	0.8535	0.4062	0
1321	Group 1	Sphere	52.78	690.8	193.1	0.6767	0.6074	0
1322	Group 1	Sphere	50.8	709.5	247.9	0.6363	0.4842	0
1323	Group 1	Sphere	53.1	676.5	218.7	0.6713	0.4467	0
1324	Group 1	Sphere	51.35	703.4	150.3	0.5557	0.4756	0
1325	Group 1	Sphere	50.46	710.9	61.25	0.2671	0.3471	0
1326	Group 1	Sphere	51.14	705.7	89.23	0.4576	0.3249	0
1327	Group 1	Sphere	52.86	687.4	287.6	0.2989	0.6987	0
1328	Group 1	Sphere	52.73	693.2	227.5	0.4427	0.5539	0
1329	Group 1	Sphere	50.21	711.7	4.382	0.5511	0.266	0
1330	Group 1	Sphere	52.9	685.2	58.32	0.6003	0.6756	0
1331	Group 1	Sphere	52.84	687.9	12.15	0.3973	0.2055	0
1332	Group 1	Sphere	51.31	703.8	158.7	0.5977	0.6537	0
1333	Group 1	Sphere	52.56	700.7	274.4	0.5738	0.3729	0
1334	Group 1	Sphere	52.66	696.4	81.47	0.4761	0.462	0
1335	Group 1	Sphere	50.38	711.2	107.5	0.4866	0.4775	0
1336	Group 1	Sphere	51.08	706.4	202.6	0.4893	0.2074	0
1337	Group 1	Sphere	52.68	695.3	170.4	0.4113	0.3197	0
1338	Group 1	Sphere	52.92	684.5	316.9	0.4064	0.8484	0
1339	Group 1	Sphere	52.9	685.5	224.1	0.4899	0.4146	0
1340	Group 1	Sphere	53.01	680.4	23.29	0.3888	0.4269	0
1341	Group 1	Sphere	52.56	700.8	47.71	0.3239	0.5939	0
1342	Group 1	Sphere	53.02	679.9	51.19	0.6964	0.5143	0
1343	Group 1	Sphere	50.47	710.9	285.9	0.3253	0.6437	0
1344	Group 1	Sphere	51.21	704.9	221.8	0.4828	0.4434	0
1345	Group 1	Sphere	52.82	688.9	55.86	0.479	0.7742	0
1346	Group 1	Sphere	52.89	685.7	165	0.4493	0.3643	0
1347	Group 1	Sphere	51.29	704.1	303.3	0.4922	0.39	0
1348	Group 1	Sphere	52.88	686.5	122.7	0.4455	0.3421	0
1349	Group 1	Sphere	52.96	682.8	71.4	0.7525	0.4374	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1350	Group 1	Sphere	51.96	703.1	208.3	0.701	0.4313	0
1351	Group 1	Sphere	52.95	683.2	102.7	0.6732	0.3969	0
1352	Group 1	Sphere	52.54	701.4	138.9	0.3668	0.4393	0
1353	Group 1	Sphere	52.6	699.1	203.8	0.5049	0.4011	0
1354	Group 1	Sphere	50.98	707.6	91.44	0.4445	0.5674	0
1355	Group 1	Sphere	52.93	684.1	241.2	0.3908	0.5637	0
1356	Group 1	Sphere	52.93	684.1	213	0.2263	0.4408	0
1357	Group 1	Sphere	53.02	680.1	196.7	0.639	0.6581	0
1358	Group 1	Sphere	50.61	710.4	353.5	0.2763	0.321	0
1359	Group 1	Sphere	52.93	683.9	89.58	0.6272	0.4074	0
1360	Group 1	Sphere	53.03	679.3	182.2	0.07286	0.8727	0
1361	Group 1	Sphere	50.96	707.8	117.5	0.531	0.4651	0
1362	Group 1	Sphere	52.99	681.4	52.33	0.54	0.5622	0
1363	Group 1	Sphere	50.98	707.5	210.9	0.451	0.3564	0
1364	Group 1	Sphere	53.01	680.6	63.17	0.4066	0.7592	0
1365	Group 1	Sphere	53.06	678.1	355.2	0.5833	0.5121	0
1366	Group 1	Sphere	52.86	687.2	151.3	0.2955	0.5608	0
1367	Group 1	Sphere	52.65	696.5	270.9	0.4128	0.4646	0
1368	Group 1	Sphere	52.75	692	262.3	0.5924	0.548	0
1369	Group 1	Sphere	52.75	692	338.9	0.6473	0.08805	0
1370	Group 1	Sphere	52.98	681.7	218.2	0.5316	0.328	0
1371	Group 1	Sphere	52.97	682.1	339.9	0.4936	0.6241	0
1372	Group 1	Sphere	52.6	698.8	43.07	0.743	0.4861	0
1373	Group 1	Sphere	52.82	689	225.7	0.5103	0.5769	0
1374	Group 1	Sphere	52.72	693.7	291	0.431	0.5032	0
1375	Group 1	Sphere	52.55	701	235.6	0.7415	0.3739	0
1376	Group 1	Sphere	52.53	702.3	257.7	0.3756	0.5632	0
1377	Group 1	Sphere	52.95	683.2	120.8	0.6455	0.4536	0
1378	Group 1	Sphere	50.96	707.8	272.4	0.6146	0.5172	0
1379	Group 1	Sphere	52.55	701	32.46	0.6986	0.5419	0
1380	Group 1	Sphere	50.69	710.2	184.6	0.3914	0.7288	0
1381	Group 1	Sphere	52.86	687.2	7.79	0.5122	0.766	0
1382	Group 1	Sphere	51.03	706.9	117.1	0.4619	0.6001	0
1383	Group 1	Sphere	52.93	683.9	36.58	0.1501	0.3833	0
1384	Group 1	Sphere	52.88	686.4	230	0.5764	0.1587	0
1385	Group 1	Sphere	53.04	679.1	255.7	0.6722	0.4566	0
1386	Group 1	Sphere	50.81	709.4	102	0.5619	0.6131	0
1387	Group 1	Sphere	52.77	691.4	33.22	0.6855	0.4659	0
1388	Group 1	Sphere	52.66	696.3	192.5	0.5591	0.2948	0
1389	Group 1	Sphere	52.8	689.8	251	0.3027	0.4855	0
1390	Group 1	Sphere	52.9	685.4	312.9	0.5998	0.4998	0
1391	Group 1	Sphere	52.57	700.1	224.8	0.5277	0.433	0
1392	Group 1	Sphere	52.96	682.6	293.5	0.5638	0.6062	0
1393	Group 1	Sphere	52.73	692.9	171.1	0.7792	0.6266	0
1394	Group 1	Sphere	53.09	676.9	262.5	0.249	0.6507	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1395	Group 1	Sphere	53.08	677.2	119.7	0.4308	0.5283	0
1396	Group 1	Sphere	52.79	690.2	69.82	0.7344	0.7193	0
1397	Group 1	Sphere	52.87	686.6	135.8	0.5058	0.4982	0
1398	Group 1	Sphere	52.93	684	271.6	0.8724	0.6676	0
1399	Group 1	Sphere	50.51	710.7	6.962	0.6973	0.5914	0
1400	Group 1	Sphere	52.8	690.1	22.44	0.563	0.6739	0
1401	Group 1	Sphere	51.1	706.2	268.7	0.7038	0.2821	0
1402	Group 1	Sphere	52.67	695.8	179.2	0.5806	0.4827	0
1403	Group 1	Sphere	52.61	698.3	301.9	0.4225	0.5518	0
1404	Group 1	Sphere	52.64	696.9	188.7	0.3401	0.4484	0
1405	Group 1	Sphere	52.97	682.3	110.4	0.4405	0.6028	0
1406	Group 1	Sphere	53.05	678.4	359.3	0.5815	0.5649	0
1407	Group 1	Sphere	53.04	679.1	230.4	0.6783	0.5718	0
1408	Group 1	Sphere	53.04	679.3	335.7	0.8422	0.4731	0
1409	Group 1	Sphere	52.53	702	191.9	0.6504	0.2862	0
1410	Group 1	Sphere	53.06	678	189.8	0.5445	0.5096	0
1411	Group 1	Sphere	53	680.8	100.2	0.3505	0.3347	0
1412	Group 1	Sphere	52.58	700	73.45	0.3076	0.1888	0
1413	Group 1	Sphere	52.53	702.2	181.1	0.3382	0.6143	0
1414	Group 1	Sphere	52.97	682.2	263.8	0.5827	0.174	0
1415	Group 1	Sphere	52.96	682.6	141	0.4174	0.5271	0
1416	Group 1	Sphere	52.64	697	279.1	0.3867	0.2521	0
1417	Group 1	Sphere	52.89	686	28.3	0.6137	0.3914	0
1418	Group 1	Sphere	52.96	682.7	233.9	0.3729	0.3944	0
1419	Group 1	Sphere	50.79	709.6	208.5	0.6667	0.5983	0
1420	Group 1	Sphere	50.82	709.3	96.49	0.7896	0.6971	0
1421	Group 1	Sphere	52.64	697.3	271.1	0.6614	0.5239	0
1422	Group 1	Sphere	51.75	703.2	342.1	0.4275	0.3001	0
1423	Group 1	Sphere	51.65	703.2	118	0.5268	0.6076	0
1424	Group 1	Sphere	52.92	684.7	325.7	0.655	0.5101	0
1425	Group 1	Sphere	52.72	693.5	70.85	0.6014	0.7271	0
1426	Group 1	Sphere	52.91	684.9	339.5	0.5414	0.4325	0
1427	Group 1	Sphere	52.76	691.6	200	0.2213	0.6558	0
1428	Group 1	Sphere	52.67	695.5	48.94	0.6408	0.4317	0
1429	Group 1	Sphere	52.79	690.1	19.52	0.4078	0.5139	0
1430	Group 1	Sphere	53	680.9	196.9	0.91	0.3881	0
1431	Group 1	Sphere	51.26	704.3	298.2	0.6483	0.2688	0
1432	Group 1	Sphere	52.85	687.8	5.949	0.6806	0.5666	0
1433	Group 1	Sphere	50.79	709.7	293.1	0.5248	0.5201	0
1434	Group 1	Sphere	52.55	701.1	236.3	0.6541	0.7402	0
1435	Group 1	Sphere	52.79	690.3	148.1	0.4957	0.5389	0
1436	Group 1	Sphere	53.03	679.6	103.8	0.3974	0.4696	0
1437	Group 1	Sphere	52	703.1	27.34	0.4941	0.5861	0
1438	Group 1	Sphere	52.69	694.7	45.22	0.7456	0.8324	0
1439	Group 1	Sphere	52.99	681.2	195.6	0.424	0.3853	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1440	Group 1	Sphere	52.61	698.3	358	0.4583	0.7326	0
1441	Group 1	Sphere	52.61	698.5	331.2	0.1608	0.3406	0
1442	Group 1	Sphere	52.52	702.6	50.1	0.1833	0.4546	0
1443	Group 1	Sphere	51.08	706.4	315	0.4103	0.3481	0
1444	Group 1	Sphere	50.65	710.3	244.7	0.3465	0.8219	0
1445	Group 1	Sphere	51.48	703.3	55.62	0.4541	0.5005	0
1446	Group 1	Sphere	50.78	709.7	106.5	0.4997	0.6622	0
1447	Group 1	Sphere	53	680.8	79.65	0.5126	0.607	0
1448	Group 1	Sphere	50.87	708.7	99.43	0.4732	0.556	0
1449	Group 1	Sphere	52.8	689.7	261.2	0.6412	0.4693	0
1450	Group 1	Sphere	52.63	697.4	260.4	0.3323	0.444	0
1451	Group 1	Sphere	52.86	687.1	195.9	0.3151	0.5759	0
1452	Group 1	Sphere	53.08	677.1	39.16	0.6258	0.5541	0
1453	Group 1	Sphere	50.92	708.2	286.4	0.45	0.7139	0
1454	Group 1	Sphere	52.98	681.6	9.617	0.395	0.3845	0
1455	Group 1	Sphere	52.59	699.2	126.5	0.228	0.405	0
1456	Group 1	Sphere	50.97	707.6	68.65	0.7334	0.4607	0
1457	Group 1	Sphere	51.25	704.5	101	0.6322	0.463	0
1458	Group 1	Sphere	52.96	682.5	307.7	0.5917	0.5521	0
1459	Group 1	Sphere	52.6	698.7	251.5	0.5862	0.4512	0
1460	Group 1	Sphere	52.58	700	260.2	0.2894	0.5509	0
1461	Group 1	Sphere	52.52	702.5	24.59	0.5887	0.6835	0
1462	Group 1	Sphere	50.84	709.1	349.4	0.7757	0.5345	0
1463	Group 1	Sphere	53.01	680.3	340.5	0.3796	0.5446	0
1464	Group 1	Sphere	52.53	701.9	138.4	0.5889	0.5452	0
1465	Group 1	Sphere	50.99	707.4	259.7	0.548	0.5407	0
1466	Group 1	Sphere	53.06	678	127.8	0.7282	0.4752	0
1467	Group 1	Sphere	52.82	689.2	233.1	0.5939	0.9008	0
1468	Group 1	Sphere	52.65	696.6	162.3	0.599	0.5116	0
1469	Group 1	Sphere	52.88	686.2	150.6	0.487	0.7568	0
1470	Group 1	Sphere	51.07	706.5	264	0.5351	0.4208	0
1471	Group 1	Sphere	52.73	693.1	252	0.4342	0.2596	0
1472	Group 1	Sphere	50.63	710.3	87.7	0.3595	0.6889	0
1473	Group 1	Sphere	52.98	681.7	14.42	0.5721	0.4813	0
1474	Group 1	Sphere	52.96	682.7	325.3	0.5718	0.2512	0
1475	Group 1	Sphere	52.8	689.9	228	0.6524	0.6649	0
1476	Group 1	Sphere	50.99	707.4	30.06	0.3703	0.2394	0
1477	Group 1	Sphere	52.82	688.8	19.38	0.5463	0.5047	0
1478	Group 1	Sphere	52.67	695.9	299.7	0.5086	0.4188	0
1479	Group 1	Sphere	52.57	700.1	84.08	0.4329	0.5707	0
1480	Group 1	Sphere	52.93	684.2	40	0.2798	0.171	0
1481	Group 1	Sphere	52.54	701.6	337.7	0.4836	0.3431	0
1482	Group 1	Sphere	52.61	698.6	177.8	0.4135	0.3391	0
1483	Group 1	Sphere	52.94	683.7	334.1	0.6055	0.5991	0
1484	Group 1	Sphere	50.86	708.9	281.8	0.8645	0.5442	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1485	Group 1	Sphere	52.45	702.7	97.65	0.6417	0.7182	0
1486	Group 1	Sphere	52.74	692.6	187.1	0.3847	0.4928	0
1487	Group 1	Sphere	51.13	705.8	174.1	0.354	0.64	0
1488	Group 1	Sphere	52.76	691.7	293.9	0.3933	0.5103	0
1489	Group 1	Sphere	53.04	679	300.8	0.1104	0.4864	0
1490	Group 1	Sphere	52.5	702.7	289.4	0.3687	0.7768	0
1491	Group 1	Sphere	52.74	692.6	228.4	0.2801	0.4502	0
1492	Group 1	Sphere	52.87	686.8	327.4	0.4905	0.528	0
1493	Group 1	Sphere	50.22	711.7	284.2	0.6311	0.4551	0
1494	Group 1	Sphere	50.64	710.3	48.26	0.5137	0.4919	0
1495	Group 1	Sphere	52.83	688.6	219.4	0.6238	0.4157	0
1496	Group 1	Sphere	53.07	677.7	219	0.4131	0.4726	0
1497	Group 1	Sphere	52.6	699	353.9	0.2391	0.2473	0
1498	Group 1	Sphere	52.74	692.4	18.78	0.3547	0.8002	0
1499	Group 1	Sphere	52.8	690.1	141.9	0.6559	0.469	0
1500	Group 1	Sphere	51.31	703.8	255.2	0.5324	0.459	0
1501	Group 1	Sphere	53.08	677.3	183	0.3918	0.2752	0
1502	Group 1	Sphere	50.55	710.6	328.6	0.2156	0.7542	0
1503	Group 1	Sphere	52.71	693.9	164.1	0.6937	0.7166	0
1504	Group 1	Sphere	52.73	693.3	186.4	0.2512	0.3661	0
1505	Group 1	Sphere	52.72	693.5	307.8	0.5937	0.5544	0
1506	Group 1	Sphere	50.74	710	5.482	0.443	0.4974	0
1507	Group 1	Sphere	52.76	691.5	333.1	0.4505	0.4899	0
1508	Group 1	Sphere	52.92	684.5	291.3	0.3839	0.5836	0
1509	Group 1	Sphere	51.28	704.1	157.9	0.3878	0.5092	0
1510	Group 1	Sphere	53.06	678.1	50.94	0.4881	0.7627	0
1511	Group 1	Sphere	52.8	689.9	71.15	0.4201	0.3978	0
1512	Group 1	Sphere	51.34	703.4	244.4	0.8022	0.6228	0
1513	Group 1	Sphere	53.04	679.2	279	0.7371	0.7699	0
1514	Group 1	Sphere	52.97	682.3	341	0.3987	0.3745	0
1515	Group 1	Sphere	52.58	699.8	155.6	0.7829	0.3254	0
1516	Group 1	Sphere	52.63	697.5	58.02	0.6191	0.6316	0
1517	Group 1	Sphere	50.94	707.9	185.9	0.3559	0.5733	0
1518	Group 1	Sphere	52.62	698.2	188.2	0.6694	0.4251	0
1519	Group 1	Sphere	52.66	696.2	46.9	0.4819	0.4922	0
1520	Group 1	Sphere	53.02	680.2	94.66	0.4855	0.4461	0
1521	Group 1	Sphere	52.69	694.7	343.1	0.1999	0.3933	0
1522	Group 1	Sphere	52.54	701.5	185.3	0.5801	0.7085	0
1523	Group 1	Sphere	52.57	700.1	357	0.543	0.443	0
1524	Group 1	Sphere	51.18	705.2	339.7	0.6813	0.6869	0
1525	Group 1	Sphere	53.1	676.4	80.08	0.5711	0.1433	0
1526	Group 1	Sphere	52.78	691	57.34	0.6163	0.5569	0
1527	Group 1	Sphere	53.02	680	295	0.5761	0.2897	0
1528	Group 1	Sphere	52.74	692.4	249.5	0.5032	0.5088	0
1529	Group 1	Sphere	51.01	707.2	42.07	0.5293	0.6689	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1530	Group 1	Sphere	52.68	695.4	132.8	0.4451	0.3182	0
1531	Group 1	Sphere	53.08	677.2	359.9	0.4678	0.5246	0
1532	Group 1	Sphere	52.67	695.7	197.8	0.4911	0.5399	0
1533	Group 1	Sphere	52.83	688.5	316	0.6605	0.3385	0
1534	Group 1	Sphere	50.95	707.9	355.8	0.7001	0.3144	0
1535	Group 1	Sphere	52.78	691	231.3	0.5177	0.526	0
1536	Group 1	Sphere	50.77	709.8	226.3	0.4367	0.2503	0
1537	Group 1	Sphere	52.55	701.3	355.6	0.3657	0.4181	0
1538	Group 1	Sphere	51.16	705.5	81.1	0.7986	0.5825	0
1539	Group 1	Sphere	50.31	711.4	177.1	0.4018	0.7579	0
1540	Group 1	Sphere	51.31	703.8	331.7	0.5368	0.6166	0
1541	Group 1	Sphere	52.73	692.8	90.18	0.5484	0.33	0
1542	Group 1	Sphere	52.91	685	33.82	0.7677	0.4993	0
1543	Group 1	Sphere	52.74	692.8	318.9	0.5931	0.4867	0
1544	Group 1	Sphere	52.52	702.3	21.73	0.4213	0.8847	0
1545	Group 1	Sphere	52.62	697.8	351.4	0.322	0.2545	0
1546	Group 1	Sphere	52.62	698.1	343.7	0.6123	0.2993	0
1547	Group 1	Sphere	52.75	692.1	345.9	0.2422	0.5684	0
1548	Group 1	Sphere	52.8	689.9	307.2	0.2906	0.5141	0
1549	Group 1	Sphere	52.72	693.6	346.4	0.7468	0.3906	0
1550	Group 1	Sphere	52.98	681.6	157.4	0.4705	0.3999	0
1551	Group 1	Sphere	52.72	693.3	55.31	0.4519	0.5021	0
1552	Group 1	Sphere	52.64	697.2	85.44	0.5242	0.6615	0
1553	Group 1	Sphere	50.9	708.5	14.15	0.5827	0.3979	0
1554	Group 1	Sphere	50.78	709.8	273.7	0.6166	0.6674	0
1555	Group 1	Sphere	52.79	690.4	114.7	0.4851	0.7356	0
1556	Group 1	Sphere	51.29	704	304.7	0.6686	0.6829	0
1557	Group 1	Sphere	53.09	677	85.16	0.4089	0.2613	0
1558	Group 1	Sphere	52.52	702.5	121.5	0.4653	0.385	0
1559	Group 1	Sphere	53.09	676.9	80.76	0.5596	0.4399	0
1560	Group 1	Sphere	52.54	701.6	49.68	0.6047	0.2449	0
1561	Group 1	Sphere	50.41	711.1	112.2	0.1819	0.6354	0
1562	Group 1	Sphere	51.04	706.8	352	0.503	0.6251	0
1563	Group 1	Sphere	52.83	688.5	322.8	0.6422	0.5679	0
1564	Group 1	Sphere	53.06	678.3	17.62	0.4147	0.4153	0
1565	Group 1	Sphere	51.04	706.8	253.8	0.3093	0.3611	0
1566	Group 1	Sphere	52.69	694.7	46.04	0.5283	0.395	0
1567	Group 1	Sphere	53.01	680.6	36.95	0.6188	0.6226	0
1568	Group 1	Sphere	51.27	704.2	134.7	0.7166	0.7452	0
1569	Group 1	Sphere	50.85	709	16.64	0.5101	0.6246	0
1570	Group 1	Sphere	52.88	686.1	175.1	0.5252	0.6728	0
1571	Group 1	Sphere	52.94	683.6	294.8	0.5118	0.5494	0
1572	Group 1	Sphere	52.66	696.1	62.1	0.5449	0.6793	0
1573	Group 1	Sphere	52.76	691.7	196.3	0.5048	0.4222	0
1574	Group 1	Sphere	52.99	681.2	354.3	0.3791	0.2974	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1575	Group 1	Sphere	52.55	701	252.8	0.5565	0.5839	0
1576	Group 1	Sphere	51.25	704.4	244.9	0.318	0.3987	0
1577	Group 1	Sphere	51.13	705.8	97.31	0.2405	0.6196	0
1578	Group 1	Sphere	53.1	676.5	64.99	0.4234	0.4116	0
1579	Group 1	Sphere	52.73	693	349.7	0.6219	0.4216	0
1580	Group 1	Sphere	52.54	701.7	122.9	0.3897	0.3295	0
1581	Group 1	Sphere	52.89	685.9	180.5	0.4626	0.497	0
1582	Group 1	Sphere	52.53	701.9	111.9	0.5071	0.06236	0
1583	Group 1	Sphere	50.82	709.3	328.8	0.4597	0.3148	0
1584	Group 1	Sphere	53.09	677	183.8	0.5346	0.5276	0
1585	Group 1	Sphere	52.98	681.6	135.5	0.3525	0.638	0
1586	Group 1	Sphere	50.88	708.6	206.6	0.2841	0.5134	0
1587	Group 1	Sphere	52.98	682	76.46	0.4502	0.5484	0
1588	Group 1	Sphere	50.49	710.8	0.896	0.534	0.566	0
1589	Group 1	Sphere	53.02	680	161.2	0.6434	0.5504	0
1590	Group 1	Sphere	53.08	677.3	236.1	0.5793	0.609	0
1591	Group 1	Sphere	52.79	690.5	193.6	0.5273	0.376	0
1592	Group 1	Sphere	52.74	692.4	353.9	0.4797	0.6659	0
1593	Group 1	Sphere	50.77	709.9	122	0.5387	0.5413	0
1594	Group 1	Sphere	50.8	709.6	207.5	0.6866	0.4941	0
1595	Group 1	Sphere	51.7	703.2	344.5	0.8237	0.3167	0
1596	Group 1	Sphere	52.69	694.9	190.8	0.5333	0.4028	0
1597	Group 1	Sphere	52.69	695	30.6	0.506	0.7436	0
1598	Group 1	Sphere	52.97	682	93	0.4986	0.6982	0
1599	Group 1	Sphere	52.73	693.2	23.59	0.5532	0.6807	0
1600	Group 1	Sphere	53.09	677	130.7	0.5427	0.653	0
1601	Group 1	Sphere	50.88	708.6	340.7	0.4462	0.3581	0
1602	Group 1	Sphere	52.31	702.8	126.3	0.4031	0.5775	0
1603	Group 1	Sphere	52.71	693.9	358.9	0.2186	0.504	0
1604	Group 1	Sphere	52.71	693.8	48.97	0.3693	0.648	0
1605	Group 1	Sphere	52.89	685.8	270.3	0.3678	0.5172	0
1606	Group 1	Sphere	53.07	677.7	147.7	0.4276	0.5863	0
1607	Group 1	Sphere	53.05	678.7	176.2	0.4254	0.529	0
1608	Group 1	Sphere	51.32	703.7	137.7	0.6226	0.7174	0
1609	Group 1	Sphere	52.9	685.3	162	0.4567	0.5477	0
1610	Group 1	Sphere	51.27	704.2	194.8	0.5037	0.5374	0
1611	Group 1	Sphere	52.77	691.1	13.08	0.3892	0.4412	0
1612	Group 1	Sphere	52.9	685.5	40.82	0.4296	0.4704	0
1613	Group 1	Sphere	52.88	686.1	277	0.6755	0.3657	0
1614	Group 1	Sphere	51.16	705.5	75.38	0.724	0.55	0
1615	Group 1	Sphere	52.66	696	330	0.4696	0.3993	0
1616	Group 1	Sphere	51.12	706	276	0.5264	0.2647	0
1617	Group 1	Sphere	53.09	676.6	60.53	0.4402	0.3732	0
1618	Group 1	Sphere	52.56	700.5	330.6	0.2179	0.4878	0
1619	Group 1	Sphere	52.83	688.4	25.27	0.4172	0.6329	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1620	Group 1	Sphere	52.59	699.5	163.2	0.4183	0.3748	0
1621	Group 1	Sphere	52.56	700.7	153.9	0.8281	0.4096	0
1622	Group 1	Sphere	52.63	697.6	347.1	0.5671	0.6886	0
1623	Group 1	Sphere	50.93	708.1	255.6	0.6569	0.4577	0
1624	Group 1	Sphere	51.06	706.6	11.66	0.704	0.3764	0
1625	Group 1	Sphere	53.01	680.3	88.62	0.4166	0.4384	0
1626	Group 1	Sphere	53.06	678.3	276.6	0.3007	0.2801	0
1627	Group 1	Sphere	52.94	683.7	241.9	0.3045	0.65	0
1628	Group 1	Sphere	53.08	677.1	306.4	0.4823	0.553	0
1629	Group 1	Sphere	51.25	704.5	4.041	0.3778	0.5891	0
1630	Group 1	Sphere	53.02	679.9	250.4	0.4004	0.4582	0
1631	Group 1	Sphere	52.99	681.3	133.4	0.5438	0.6371	0
1632	Group 1	Sphere	51.12	705.9	285.5	0.6058	0.5106	0
1633	Group 1	Sphere	53.06	678	332.6	0.63	0.3722	0
1634	Group 1	Sphere	52.81	689.2	144.1	0.2114	0.4932	0
1635	Group 1	Sphere	51.03	707	53.48	0.3235	0.5491	0
1636	Group 1	Sphere	52.62	698.2	43.72	0.5239	0.3134	0
1637	Group 1	Sphere	50.72	710.1	284.5	0.3713	0.6749	0
1638	Group 1	Sphere	52.98	681.8	216.7	0.3921	0.2848	0
1639	Group 1	Sphere	52.55	701.3	300.3	0.602	0.344	0
1640	Group 1	Sphere	52.99	681.2	209.4	0.3136	0.6554	0
1641	Group 1	Sphere	53.05	678.8	86.41	0.5257	0.5749	0
1642	Group 1	Sphere	51.11	706	59.13	0.2564	0.268	0
1643	Group 1	Sphere	50.35	711.3	253.4	0.5914	0.3858	0
1644	Group 1	Sphere	52.78	690.8	128.9	0.3083	0.6439	0
1645	Group 1	Sphere	53.05	678.6	103.6	0.3828	0.4477	0
1646	Group 1	Sphere	52.89	686	146.6	0.5865	0.3602	0
1647	Group 1	Sphere	50.86	708.9	192	0.5985	0.6336	0
1648	Group 1	Sphere	52.84	688	69.1	0.8044	0.2981	0
1649	Group 1	Sphere	52.91	684.9	223.6	0.2737	0.4498	0
1650	Group 1	Sphere	52.74	692.6	139.2	0.5018	0.4808	0
1651	Group 1	Sphere	53.08	677.1	280.3	0.4061	0.3417	0
1652	Group 1	Sphere	52.71	694.1	131.8	0.5425	0.6376	0
1653	Group 1	Sphere	53.08	677.3	149.1	0.5223	0.5358	0
1654	Group 1	Sphere	52.6	698.8	0.3481	0.3761	0.7069	0
1655	Group 1	Sphere	52.63	697.6	303	0.4746	0.4684	0
1656	Group 1	Sphere	51.34	703.5	281.4	0.4756	0.3157	0
1657	Group 1	Sphere	53.07	677.8	324.4	0.5383	0.7227	0
1658	Group 1	Sphere	52.62	698	27.65	0.643	0.5365	0
1659	Group 1	Sphere	52.62	698.1	299.3	0.7121	0.5875	0
1660	Group 1	Sphere	52.94	683.8	31.49	0.6253	0.5691	0
1661	Group 1	Sphere	52.62	698	245.3	0.6172	0.3019	0
1662	Group 1	Sphere	52.58	699.6	178.8	0.5404	0.4532	0
1663	Group 1	Sphere	52.71	693.8	2.763	0.5948	0.282	0
1664	Group 1	Sphere	52.57	700.3	242.9	0.3448	0.6744	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1665	Group 1	Sphere	52.7	694.3	98.17	0.4777	0.5844	0
1666	Group 1	Sphere	52.54	701.4	195.2	0.3709	0.4635	0
1667	Group 1	Sphere	52.75	691.9	56.78	0.6575	0.5209	0
1668	Group 1	Sphere	52.97	682.2	108.9	0.4124	0.3504	0
1669	Group 1	Sphere	51.17	705.4	86.27	0.5393	0.4346	0
1670	Group 1	Sphere	53.03	679.5	29.75	0.5185	0.6876	0
1671	Group 1	Sphere	53.06	678.4	257.3	0.7916	0.4525	0
1672	Group 1	Sphere	52.66	696.1	292.3	0.2819	0.4876	0
1673	Group 1	Sphere	53	681	240	0.6314	0.5265	0
1674	Group 1	Sphere	53	681	321.7	0.5871	0.6391	0
1675	Group 1	Sphere	50.95	707.8	122.1	0.591	0.4894	0
1676	Group 1	Sphere	52.67	695.8	267.8	0.4298	0.4666	0
1677	Group 1	Sphere	52.95	683	89.86	0.5229	0.4543	0
1678	Group 1	Sphere	53.07	677.6	24.33	0.4266	0.3618	0
1679	Group 1	Sphere	52.57	700.5	263.2	0.4485	0.5608	0
1680	Group 1	Sphere	52.6	699.1	206	0.6326	0.6112	0
1681	Group 1	Sphere	52.56	700.9	346	0.4604	0.9182	0
1682	Group 1	Sphere	53	680.8	11.12	0.4848	0.5024	0
1683	Group 1	Sphere	53.04	679	6.204	0.5455	0.409	0
1684	Group 1	Sphere	52.83	688.7	127.1	0.5435	0.6011	0
1685	Group 1	Sphere	52.82	689.1	42.61	0.4814	0.5965	0
1686	Group 1	Sphere	52.69	694.7	164.7	0.1787	0.3569	0
1687	Group 1	Sphere	52.67	695.9	283.8	0.4979	0.5995	0
1688	Group 1	Sphere	52.96	682.6	292.7	0.2576	0.3838	0
1689	Group 1	Sphere	52.88	686.3	334.1	0.3664	0.4427	0
1690	Group 1	Sphere	51.86	703.1	286.8	0.2767	0.5931	0
1691	Group 1	Sphere	52.52	702.4	65.73	0.5604	0.6216	0
1692	Group 1	Sphere	52.87	686.6	294.3	0.272	0.6946	0
1693	Group 1	Sphere	52.86	687.3	95.66	0.7318	0.5219	0
1694	Group 1	Sphere	52.91	685	62.55	0.4007	0.4552	0
1695	Group 1	Sphere	52.66	696.2	171.4	0.3111	0.3237	0
1696	Group 1	Sphere	50.83	709.2	169.1	0.4013	0.3771	0
1697	Group 1	Sphere	52.91	685.1	297.8	0.4179	0.4005	0
1698	Group 1	Sphere	51.16	705.4	180.3	0.4217	0.6091	0
1699	Group 1	Sphere	51.19	705.1	165.4	0.5686	0.4828	0
1700	Group 1	Sphere	50.23	711.6	256.2	0.2867	0.5317	0
1701	Group 1	Sphere	52.76	691.9	202	0.6067	0.4111	0
1702	Group 1	Sphere	51.35	703.4	64.39	0.2438	0.5923	0
1703	Group 1	Sphere	50.59	710.5	65.46	0.3009	0.4366	0
1704	Group 1	Sphere	52.82	688.9	299.9	0.3117	0.4774	0
1705	Group 1	Sphere	53	680.6	324.2	0.664	0.4845	0
1706	Group 1	Sphere	52.86	687	172.5	0.3824	0.5155	0
1707	Group 1	Sphere	52.79	690.4	148.7	0.6132	0.5459	0
1708	Group 1	Sphere	52.53	702	53.26	0.3263	0.5986	0
1709	Group 1	Sphere	53.07	677.9	106.8	0.3284	0.4061	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1710	Group 1	Sphere	50.91	708.3	343.9	0.4602	0.7933	0
1711	Group 1	Sphere	52.84	688.1	201.9	0.5837	0.3373	0
1712	Group 1	Sphere	51.15	705.7	10.72	0.4614	0.2371	0
1713	Group 1	Sphere	52.54	701.5	189.2	0.3955	0.6261	0
1714	Group 1	Sphere	52.59	699.5	78.73	0.5472	0.5061	0
1715	Group 1	Sphere	52.75	692.3	247.3	0.6816	0.3968	0
1716	Group 1	Sphere	52.95	683	341.7	0.6028	0.4134	0
1717	Group 1	Sphere	52.81	689.4	8.844	0.8882	0.3228	0
1718	Group 1	Sphere	52.68	695.5	39.5	0.4378	0.7517	0
1719	Group 1	Sphere	50.2	711.7	136.6	0.5304	0.3125	0
1720	Group 1	Sphere	50.59	710.5	198.4	0.3746	0.5016	0
1721	Group 1	Sphere	52.85	687.6	214	0.6005	0.5334	0
1722	Group 1	Sphere	52.77	691.1	44.66	0.4874	0.6543	0
1723	Group 1	Sphere	53.07	677.8	332.7	0.4861	0.5436	0
1724	Group 1	Sphere	51.02	707.1	321.2	0.3053	0.4225	0
1725	Group 1	Sphere	52.6	698.9	132.2	0.3927	0.7222	0
1726	Group 1	Sphere	52.24	702.9	98.85	0.1874	0.3675	0
1727	Group 1	Sphere	52.93	684.1	215	0.6341	0.4335	0
1728	Group 1	Sphere	52.93	683.8	128.5	0.4046	0.6359	0
1729	Group 1	Sphere	52.57	700.2	66.13	0.5882	0.202	0
1730	Group 1	Sphere	52.36	702.8	187.8	0.4439	0.3756	0
1731	Group 1	Sphere	52.22	702.9	323.2	0.4022	0.303	0
1732	Group 1	Sphere	51.43	703.3	276.5	0.7384	0.5851	0
1733	Group 1	Sphere	52.74	692.5	266.4	0.5336	0.5973	0
1734	Group 1	Sphere	50.35	711.2	170.8	0.4668	0.3597	0
1735	Group 1	Sphere	52.99	681.3	199	0.442	0.8027	0
1736	Group 1	Sphere	51.23	704.7	241.6	0.3297	0.7477	0
1737	Group 1	Sphere	52.81	689.3	234.2	0.5962	0.4761	0
1738	Group 1	Sphere	51.28	704.1	295.6	0.7107	0.7306	0
1739	Group 1	Sphere	52.89	685.9	211.3	0.4897	0.4626	0
1740	Group 1	Sphere	52.74	692.7	163	0.4478	0.4804	0
1741	Group 1	Sphere	50.82	709.3	151.6	0.5625	0.3627	0
1742	Group 1	Sphere	52.65	696.6	204.5	0.8411	0.7447	0
1743	Group 1	Sphere	53	681	348.2	0.7515	0.7411	0
1744	Group 1	Sphere	52.6	698.9	202.8	0.4484	0.7055	0
1745	Group 1	Sphere	52.62	697.8	324.9	0.4111	0.4506	0
1746	Group 1	Sphere	52.86	687.1	171.7	0.3854	0.3546	0
1747	Group 1	Sphere	52.87	686.5	108.3	0.4467	0.4334	0
1748	Group 1	Sphere	51.07	706.5	145.5	0.5025	0.564	0
1749	Group 1	Sphere	52.98	681.9	29.17	0.6046	0.6708	0
1750	Group 1	Sphere	52.98	681.9	111	0.5299	0.5791	0
1751	Group 1	Sphere	51.21	704.9	232.4	0.4435	0.6446	0
1752	Group 1	Sphere	53.04	678.9	133.9	0.5015	0.3714	0
1753	Group 1	Sphere	52.65	696.5	73.97	0.7027	0.4471	0
1754	Group 1	Sphere	52.59	699.3	76.79	0.3871	0.3068	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1755	Group 1	Sphere	52.79	690.5	286.9	0.4186	0.2872	0
1756	Group 1	Sphere	52.56	700.8	154.3	0.3613	0.6272	0
1757	Group 1	Sphere	52.65	696.8	75.81	0.4886	0.5897	0
1758	Group 1	Sphere	52.73	693.1	144.5	0.4387	0.5028	0
1759	Group 1	Sphere	52.66	696.2	146.4	0.7573	0.7791	0
1760	Group 1	Sphere	52.87	686.7	38.77	0.6022	0.7301	0
1761	Group 1	Sphere	52.65	696.7	297.7	0.6179	0.3958	0
1762	Group 1	Sphere	52.68	695.4	262.8	0.3752	0.3823	0
1763	Group 1	Sphere	53.05	678.5	91.03	0.3634	0.7132	0
1764	Group 1	Sphere	52.76	691.8	285.3	0.815	0.3554	0
1765	Group 1	Sphere	51.32	703.7	213.2	0.5897	0.3805	0
1766	Group 1	Sphere	51.06	706.6	289.9	0.26	0.3497	0
1767	Group 1	Sphere	50.26	711.5	145.2	0.7	0.5431	0
1768	Group 1	Sphere	51.24	704.6	64.52	0.288	0.7536	0
1769	Group 1	Sphere	52.99	681.5	358.4	0.4544	0.6389	0
1770	Group 1	Sphere	52.58	699.7	275.7	0.5649	0.4679	0
1771	Group 1	Sphere	52.82	688.8	224.3	0.525	0.5332	0
1772	Group 1	Sphere	52.81	689.5	9.216	0.3433	0.4296	0
1773	Group 1	Sphere	51	707.2	264.7	0.497	0.4764	0
1774	Group 1	Sphere	51.01	707.2	212.1	0.3346	0.3323	0
1775	Group 1	Sphere	53.01	680.4	79.41	0.1274	0.2551	0
1776	Group 1	Sphere	53.04	679.2	246.9	0.484	0.735	0
1777	Group 1	Sphere	52.57	700.4	17.11	0.7143	0.3115	0
1778	Group 1	Sphere	52.6	699	25.19	0.7089	0.6782	0
1779	Group 1	Sphere	52.57	700.3	72.03	0.644	0.4524	0
1780	Group 1	Sphere	52.64	697	88.32	0.1355	0.3539	0
1781	Group 1	Sphere	52.96	682.6	123.9	0.5443	0.378	0
1782	Group 1	Sphere	52.77	691.2	190.9	0.3966	0.4835	0
1783	Group 1	Sphere	52.91	685.1	334.6	0.3268	0.4583	0
1784	Group 1	Sphere	51.21	704.9	277.6	0.7624	0.6084	0
1785	Group 1	Sphere	52.92	684.3	309.5	0.3856	0.4347	0
1786	Group 1	Sphere	52.7	694.2	191.3	0.558	0.8431	0
1787	Group 1	Sphere	52.91	684.8	15.93	0.5687	0.5249	0
1788	Group 1	Sphere	50.8	709.5	217.8	0.4347	0.7501	0
1789	Group 1	Sphere	51.17	705.4	115.1	0.4035	0.3671	0
1790	Group 1	Sphere	53.08	677.4	109.9	0.4523	0.2249	0
1791	Group 1	Sphere	52.63	697.4	242.3	0.4734	0.4933	0
1792	Group 1	Sphere	50.61	710.4	153	0.2694	0.4917	0
1793	Group 1	Sphere	52.85	687.7	13.88	0.6656	0.3433	0
1794	Group 1	Sphere	52.7	694.4	109.6	0.4152	0.3282	0
1795	Group 1	Sphere	51.16	705.5	111.3	0.1439	0.5601	0
1796	Group 1	Sphere	52.91	685	321.8	0.2373	0.5054	0
1797	Group 1	Sphere	52.8	689.7	112.9	0.4207	0.5801	0
1798	Group 1	Sphere	52.7	694.2	250.7	0.4992	0.6235	0
1799	Group 1	Sphere	52.55	701.2	58.73	0.4636	0.8826	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1800	Group 1	Sphere	52.61	698.4	26.78	0.5798	0.7677	0
1801	Group 1	Sphere	50.92	708.2	123.7	0.6103	0.6006	0
1802	Group 1	Sphere	51.07	706.5	189.6	0.6119	0.4475	0
1803	Group 1	Sphere	50.89	708.5	205.4	0.3307	0.1272	0
1804	Group 1	Sphere	52.52	702.4	105.2	0.4845	0.2276	0
1805	Group 1	Sphere	50.9	708.4	246.3	0.6382	0.5878	0
1806	Group 1	Sphere	50.87	708.8	333.6	0.4211	0.3393	0
1807	Group 1	Sphere	52.72	693.6	101.2	0.2341	0.2175	0
1808	Group 1	Sphere	52.65	696.6	99.73	0.5206	0.7067	0
1809	Group 1	Sphere	52.52	702.6	257.9	0.4644	0.3538	0
1810	Group 1	Sphere	52.97	682.4	140.5	0.4291	0.2342	0
1811	Group 1	Sphere	52.7	694.5	243.7	0.2241	0.516	0
1812	Group 1	Sphere	52.61	698.6	180	0.6376	0.358	0
1813	Group 1	Sphere	52.7	694.2	67.9	0.6303	0.5058	0
1814	Group 1	Sphere	53.06	678.2	138	0.6916	0.3176	0
1815	Group 1	Sphere	52.66	696	47.97	0.369	0.5305	0
1816	Group 1	Sphere	52.86	687.3	311.3	0.5528	0.5795	0
1817	Group 1	Sphere	52.77	691.4	26.38	0.2624	0.3652	0
1818	Group 1	Sphere	52.54	701.8	71.97	0.5549	0.4809	0
1819	Group 1	Sphere	51.05	706.7	192.7	0.3063	0.4248	0
1820	Group 1	Sphere	50.85	709	190.4	0.3802	0.5294	0
1821	Group 1	Sphere	50.81	709.4	343	0.578	0.2967	0
1822	Group 1	Sphere	52.81	689.4	269.3	0.3631	0.6026	0
1823	Group 1	Sphere	52.86	687.2	338.7	0.3652	0.5349	0
1824	Group 1	Sphere	51.31	703.9	182	0.4551	0.1848	0
1825	Group 1	Sphere	52.91	684.7	210.2	0.3038	0.3799	0
1826	Group 1	Sphere	52.81	689.4	323.7	0.8295	0.6163	0
1827	Group 1	Sphere	52.85	687.8	141.5	0.4554	0.4492	0
1828	Group 1	Sphere	51	707.3	115.3	0.6158	0.5886	0
1829	Group 1	Sphere	52.8	689.8	225.7	0.5961	0.5003	0
1830	Group 1	Sphere	52.58	699.6	329.2	0.7937	0.5779	0
1831	Group 1	Sphere	52.7	694.5	95.97	0.6038	0.53	0
1832	Group 1	Sphere	52.68	695.3	169.4	0.6626	0.513	0
1833	Group 1	Sphere	52.68	695.2	326.9	0.5695	0.4668	0
1834	Group 1	Sphere	53.07	677.6	33	0.6126	0.6471	0
1835	Group 1	Sphere	53.05	678.6	296.7	0.3475	0.3327	0
1836	Group 1	Sphere	52.65	696.4	6.8	0.4532	0.3048	0
1837	Group 1	Sphere	50.94	707.9	214.5	0.5105	0.6192	0
1838	Group 1	Sphere	52.92	684.3	54.79	0.2712	0.4486	0
1839	Group 1	Sphere	52.82	688.9	151.1	0.3606	0.2882	0
1840	Group 1	Sphere	51.62	703.2	345.1	0.5154	0.383	0
1841	Group 1	Sphere	51.1	706.2	153.2	0.7199	0.5182	0
1842	Group 1	Sphere	52.72	693.5	127.4	0.5704	0.456	0
1843	Group 1	Sphere	52.52	702.4	256.7	0.8089	0.5044	0
1844	Group 1	Sphere	52.94	683.6	327	0.4084	0.387	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1845	Group 1	Sphere	53.02	680	254.9	0.3163	0.4098	0
1846	Group 1	Sphere	51.28	704.2	178.5	0.2848	0.46	0
1847	Group 1	Sphere	52.56	700.6	60.21	0.6339	0.7807	0
1848	Group 1	Sphere	52.73	692.9	348.1	0.4588	0.8095	0
1849	Group 1	Sphere	52.95	683.1	74.65	0.6294	0.3109	0
1850	Group 1	Sphere	52.64	697.3	203.1	0.4725	0.7832	0
1851	Group 1	Sphere	52.78	690.6	274.7	0.5163	0.3316	0
1852	Group 1	Sphere	52.95	683.2	271.8	0.7281	0.3093	0
1853	Group 1	Sphere	52.91	684.8	104.6	0.5502	0.5907	0
1854	Group 1	Sphere	52.67	695.5	105.8	0.2779	0.3061	0
1855	Group 1	Sphere	51.3	703.9	280.7	0.4562	0.7488	0
1856	Group 1	Sphere	52.72	693.6	106	0.2017	0.6302	0
1857	Group 1	Sphere	50.33	711.3	308.7	0.5512	0.5723	0
1858	Group 1	Sphere	51.22	704.8	129.6	0.5604	0.4642	0
1859	Group 1	Sphere	52.83	688.4	1.462	0.5712	0.4789	0
1860	Group 1	Sphere	50.83	709.2	176.7	0.6276	0.2432	0
1861	Group 1	Sphere	52.89	685.6	91.12	0.4638	0.6703	0
1862	Group 1	Sphere	52.95	683	290.2	0.4358	0.3862	0
1863	Group 1	Sphere	52.59	699.3	96.34	0.4951	0.468	0
1864	Group 1	Sphere	51.05	706.7	233.4	0.6287	0.3925	0
1865	Group 1	Sphere	52.57	700.3	44.42	0.5193	0.4792	0
1866	Group 1	Sphere	52.94	683.7	131.9	0.4706	0.6189	0
1867	Group 1	Sphere	52.77	691.2	166.2	0.4689	0.7715	0
1868	Group 1	Sphere	50.94	708	301.2	0.3575	0.5709	0
1869	Group 1	Sphere	52.67	695.7	41.54	0.6612	0.6717	0
1870	Group 1	Sphere	53.1	676.4	28.96	0.5877	0.6211	0
1871	Group 1	Sphere	51.09	706.3	164.5	0.4981	0.3402	0
1872	Group 1	Sphere	52.69	695	37.44	0.4249	0.5203	0
1873	Group 1	Sphere	52.68	695.2	160.6	0.7252	0.2837	0
1874	Group 1	Sphere	52.7	694.6	92.17	0.6351	0.4964	0
1875	Group 1	Sphere	52.87	686.7	130.3	0.628	0.4078	0
1876	Group 1	Sphere	52.63	697.7	11.33	0.1034	0.4023	0
1877	Group 1	Sphere	53.09	676.7	243.5	0.3806	0.5149	0
1878	Group 1	Sphere	50.19	711.8	32.38	0.675	0.555	0
1879	Group 1	Sphere	52.79	690.3	12.43	0.4809	0.4212	0
1880	Group 1	Sphere	52.84	688	241.2	0.3834	0.4176	0
1881	Group 1	Sphere	53.02	680.1	267.9	0.4199	0.115	0
1882	Group 1	Sphere	52.77	691.3	125.2	0.6876	0.7333	0
1883	Group 1	Sphere	52.03	703	281.1	0.4052	0.4911	0
1884	Group 1	Sphere	52.77	691.3	357.7	0.575	0.5753	0
1885	Group 1	Sphere	52.71	694	110.7	0.5458	0.635	0
1886	Group 1	Sphere	52.76	691.8	67.1	0.5611	0.5585	0
1887	Group 1	Sphere	52.55	701.3	74.28	0.7866	0.6184	0
1888	Group 1	Sphere	50.95	707.8	234.6	0.5379	0.4183	0
1889	Group 1	Sphere	50.39	711.1	270	0.4281	0.5643	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1890	Group 1	Sphere	52.97	682.4	258.1	0.3418	0.4234	0
1891	Group 1	Sphere	50.27	711.5	258.8	0.5173	0.569	0
1892	Group 1	Sphere	50.41	711.1	231.7	0.4472	0.6054	0
1893	Group 1	Sphere	52.97	682.4	194.2	0.3766	0.4301	0
1894	Group 1	Sphere	52.88	686.2	56.23	0.2704	0.2399	0
1895	Group 1	Sphere	52.71	694	166.7	0.293	0.3445	0
1896	Group 1	Sphere	52.98	681.7	253.8	0.3901	0.4746	0
1897	Group 1	Sphere	53.07	677.6	272.9	0.5363	0.7112	0
1898	Group 1	Sphere	51.12	705.9	143.2	0.3328	0.1924	0
1899	Group 1	Sphere	52.58	699.9	209.7	0.325	0.5552	0
1900	Group 1	Sphere	53.02	679.8	216.1	0.5475	0.5654	0
1901	Group 1	Sphere	52.89	685.6	283.3	0.5094	0.5828	0
1902	Group 1	Sphere	53.06	678.3	302.7	0.4652	0.604	0
1903	Group 1	Sphere	52.59	699.3	329.6	0.2995	0.2887	0
1904	Group 1	Sphere	52.59	699.4	356.4	0.5655	0.6048	0
1905	Group 1	Sphere	53.04	679.2	47.31	0.4149	0.574	0
1906	Group 1	Sphere	52.11	703	87.9	0.515	0.6139	0
1907	Group 1	Sphere	52.81	689.6	21.5	0.4784	0.356	0
1908	Group 1	Sphere	50.83	709.2	337.1	0.2541	0.5646	0
1909	Group 1	Sphere	52.65	696.7	230.1	0.4937	0.6595	0
1910	Group 1	Sphere	50.5	710.8	124.9	0.502	0.4382	0
1911	Group 1	Sphere	52.77	691.1	159.5	0.674	0.5613	0
1912	Group 1	Sphere	52.62	697.8	61.88	0.5518	0.2937	0
1913	Group 1	Sphere	50.91	708.3	304.4	0.4056	0.4573	0
1914	Group 1	Sphere	53.08	677.5	221.1	0.7156	0.6209	0
1915	Group 1	Sphere	50.42	711	38.36	0.4412	0.4591	0
1916	Group 1	Sphere	53.04	679.1	352.9	0.3881	0.5361	0
1917	Group 1	Sphere	51.18	705.3	35.58	0.5196	0.6454	0
1918	Group 1	Sphere	52.41	702.7	104.8	0.3461	0.3466	0
1919	Group 1	Sphere	53.06	678.2	103	0.5003	0.5231	0
1920	Group 1	Sphere	52.96	682.7	269.2	0.432	0.761	0
1921	Group 1	Sphere	53.08	677.3	335.1	0.5074	0.5532	0
1922	Group 1	Sphere	52.76	691.5	307	0.2502	0.6694	0
1923	Group 1	Sphere	52.94	683.6	34.68	0.6583	0.4087	0
1924	Group 1	Sphere	52.87	686.8	115.8	0.399	0.482	0
1925	Group 1	Sphere	53	680.7	142.8	0.4685	0.3944	0
1926	Group 1	Sphere	53.01	680.3	154.5	0.57	0.404	0
1927	Group 1	Sphere	52.78	690.7	62.75	0.2041	0.537	0
1928	Group 1	Sphere	52.77	691.2	279.9	0.5005	0.6429	0
1929	Group 1	Sphere	52.71	694	12.78	0.5927	0.4748	0
1930	Group 1	Sphere	52.69	695	267.2	0.3615	0.5745	0
1931	Group 1	Sphere	52.55	701.1	13.42	0.5331	0.6565	0
1932	Group 1	Sphere	53.07	677.8	49.94	0.4375	0.3687	0
1933	Group 1	Sphere	52.78	690.9	281.9	0.6264	0.5956	0
1934	Group 1	Sphere	51.15	705.6	215.6	0.2449	0.5782	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1935	Group 1	Sphere	52.99	681.3	297.1	0.5537	0.5243	0
1936	Group 1	Sphere	53	681	35.75	0.5842	0.634	0
1937	Group 1	Sphere	52.58	699.7	104.3	0.5217	0.5226	0
1938	Group 1	Sphere	52.6	698.9	101.6	0.4515	0.5309	0
1939	Group 1	Sphere	50.43	711	248.3	0.6954	0.2727	0
1940	Group 1	Sphere	52.57	700.4	207	0.3424	0.5126	0
1941	Group 1	Sphere	53.04	679	156.1	0.4362	0.6528	0
1942	Group 1	Sphere	52.98	681.5	20.87	0.1702	0.3081	0
1943	Group 1	Sphere	52.52	702.3	80.37	0.4141	0.417	0
1944	Group 1	Sphere	52.97	682	162.5	0.4525	0.4448	0
1945	Group 1	Sphere	52.84	688.3	59.66	0.5008	0.5197	0
1946	Group 1	Sphere	52.72	693.7	177.3	0.3981	0.5917	0
1947	Group 1	Sphere	53.07	677.5	173.4	0.5172	0.3219	0
1948	Group 1	Sphere	52.58	699.9	212	0.6705	0.3699	0
1949	Group 1	Sphere	53.04	678.9	37.63	0.4771	0.5169	0
1950	Group 1	Sphere	50.25	711.6	256.6	0.523	0.2754	0
1951	Group 1	Sphere	52.71	694.1	240.6	0.3565	0.4513	0
1952	Group 1	Sphere	50.48	710.8	222.2	0.2125	0.4784	0
1953	Group 1	Sphere	52.81	689.3	41.17	0.5362	0.6467	0
1954	Group 1	Sphere	52.93	683.9	356.5	0.6785	0.4722	0
1955	Group 1	Sphere	50.86	708.8	185.5	0.3429	0.5438	0
1956	Group 1	Sphere	52.8	689.7	167.5	0.7189	0.5674	0
1957	Group 1	Sphere	50.7	710.1	232.7	0.5158	0.1942	0
1958	Group 1	Sphere	52.75	692.1	27.83	0.618	0.4266	0
1959	Group 1	Sphere	51.14	705.7	167.1	0.6095	0.5699	0
1960	Group 1	Sphere	53.05	678.8	36.25	0.6519	0.3457	0
1961	Group 1	Sphere	51.33	703.6	83.87	0.5133	0.6153	0
1962	Group 1	Sphere	52.7	694.5	312.7	0.5623	0.4202	0
1963	Group 1	Sphere	51.5	703.3	285	0.6449	0.5273	0
1964	Group 1	Sphere	52.92	684.5	331.3	0.3452	0.677	0
1965	Group 1	Sphere	52.91	684.9	35.19	0.4615	0.6723	0
1966	Group 1	Sphere	52.63	697.7	156.9	0.7667	0.4739	0
1967	Group 1	Sphere	50.87	708.8	113.1	0.3154	0.4417	0
1968	Group 1	Sphere	52.15	702.9	69.29	0.4587	0.597	0
1969	Group 1	Sphere	52.2	702.9	194.5	0.4865	0.3512	0
1970	Group 1	Sphere	52.54	701.5	40.66	0.5811	0.6789	0
1971	Group 1	Sphere	51.4	703.3	265	0.4802	0.3625	0
1972	Group 1	Sphere	52.6	698.7	120.1	0.4994	0.4162	0
1973	Group 1	Sphere	52.55	701.2	8.016	0.3841	0.3875	0
1974	Group 1	Sphere	52.67	695.8	23.87	0.7365	0.7008	0
1975	Group 1	Sphere	52.78	690.7	317.8	0.463	0.4357	0
1976	Group 1	Sphere	52.59	699.4	120.5	0.7438	0.439	0
1977	Group 1	Sphere	51.26	704.4	330.2	0.474	0.4379	0
1978	Group 1	Sphere	52.64	697.3	260.9	0.748	0.4244	0
1979	Group 1	Sphere	52.64	696.9	131.1	0.7703	0.4306	0

Run ID	Rock Type	Shape	X (m)	Y (m)	Rotation (deg)	VX (m/s)	VY (m/s)	VR (deg/s)
1980	Group 1	Sphere	50.69	710.2	283.6	0.1916	0.4797	0
1981	Group 1	Sphere	52.53	701.9	0.4727	0.4826	0.6307	0
1982	Group 1	Sphere	52.75	692.3	310	0.5131	0.4568	0
1983	Group 1	Sphere	52.58	699.7	306.1	0.6704	0.6326	0
1984	Group 1	Sphere	52.83	688.6	119.3	0.5757	0.412	0
1985	Group 1	Sphere	52.61	698.2	237.3	0.4805	0.3717	0
1986	Group 1	Sphere	52.94	683.3	175.5	0.2751	0.6205	0
1987	Group 1	Sphere	52.96	682.8	53.88	0.3228	0.5952	0
1988	Group 1	Sphere	52.74	692.5	251.7	0.4914	0.6056	0
1989	Group 1	Sphere	52.72	693.4	143.3	0.3569	0.485	0
1990	Group 1	Sphere	51.18	705.2	210.6	0.247	0.632	0
1991	Group 1	Sphere	52.75	692	165.9	0.6033	0.2738	0
1992	Group 1	Sphere	52.88	686.3	291.9	0.4663	0.7383	0
1993	Group 1	Sphere	53.09	676.8	225.1	0.3599	0.4735	0
1994	Group 1	Sphere	52.72	693.4	338.3	0.4929	0.5947	0
1995	Group 1	Sphere	51.82	703.2	183.5	0.337	0.5625	0
1996	Group 1	Sphere	51.04	706.9	57.8	0.521	0.3495	0
1997	Group 1	Sphere	51.34	703.5	318	0.07838	0.5465	0
1998	Group 1	Sphere	52.61	698.5	312.4	0.7727	0.1771	0
1999	Group 1	Sphere	51.19	705.1	309.7	0.2887	0.7024	0

Generated Rock Geometries

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
0	5651	2600	0.1	0.6235	0.891	1460
1	5863	2600	0.1	0.6235	0.891	1552
2	6021	2600	0.1	0.6235	0.891	1622
3	5744	2600	0.1	0.6235	0.891	1500
4	5890	2600	0.1	0.6235	0.891	1564
5	5653	2600	0.1	0.6235	0.891	1460
6	5690	2600	0.1	0.6235	0.891	1476
7	5888	2600	0.1	0.6235	0.891	1563
8	5607	2600	0.1	0.6235	0.891	1441
9	5823	2600	0.1	0.6235	0.891	1535
10	5716	2600	0.1	0.6235	0.891	1488
11	5608	2600	0.1	0.6235	0.891	1441
12	5826	2600	0.1	0.6235	0.891	1536
13	5847	2600	0.1	0.6235	0.891	1545
14	5958	2600	0.1	0.6235	0.891	1594
15	5933	2600	0.1	0.6235	0.891	1583
16	5856	2600	0.1	0.6235	0.891	1549
17	5791	2600	0.1	0.6235	0.891	1520
18	5725	2600	0.1	0.6235	0.891	1492
19	5817	2600	0.1	0.6235	0.891	1532
20	5912	2600	0.1	0.6235	0.891	1574
21	5745	2600	0.1	0.6235	0.891	1500
22	5907	2600	0.1	0.6235	0.891	1571
23	5813	2600	0.1	0.6235	0.891	1530
24	5729	2600	0.1	0.6235	0.891	1493
25	5746	2600	0.1	0.6235	0.891	1501
26	5646	2600	0.1	0.6235	0.891	1457
27	5926	2600	0.1	0.6235	0.891	1580
28	5809	2600	0.1	0.6235	0.891	1528
29	5760	2600	0.1	0.6235	0.891	1507
30	5648	2600	0.1	0.6235	0.891	1458
31	5814	2600	0.1	0.6235	0.891	1531
32	5538	2600	0.1	0.6235	0.891	1411
33	5755	2600	0.1	0.6235	0.891	1505
34	5661	2600	0.1	0.6235	0.891	1464
35	5780	2600	0.1	0.6235	0.891	1516
36	5880	2600	0.1	0.6235	0.891	1560
37	5830	2600	0.1	0.6235	0.891	1537
38	5949	2600	0.1	0.6235	0.891	1590
39	5867	2600	0.1	0.6235	0.891	1554
40	5744	2600	0.1	0.6235	0.891	1500
41	5765	2600	0.1	0.6235	0.891	1509
42	5807	2600	0.1	0.6235	0.891	1527
43	5715	2600	0.1	0.6235	0.891	1487
44	5802	2600	0.1	0.6235	0.891	1525

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
45	5757	2600	0.1	0.6235	0.891	1505
46	5702	2600	0.1	0.6235	0.891	1482
47	5881	2600	0.1	0.6235	0.891	1560
48	5878	2600	0.1	0.6235	0.891	1558
49	5770	2600	0.1	0.6235	0.891	1511
50	5689	2600	0.1	0.6235	0.891	1476
51	5923	2600	0.1	0.6235	0.891	1578
52	5838	2600	0.1	0.6235	0.891	1541
53	5657	2600	0.1	0.6235	0.891	1462
54	5771	2600	0.1	0.6235	0.891	1512
55	5843	2600	0.1	0.6235	0.891	1543
56	6025	2600	0.1	0.6235	0.891	1624
57	5698	2600	0.1	0.6235	0.891	1480
58	5742	2600	0.1	0.6235	0.891	1499
59	5766	2600	0.1	0.6235	0.891	1509
60	5864	2600	0.1	0.6235	0.891	1552
61	5661	2600	0.1	0.6235	0.891	1464
62	5840	2600	0.1	0.6235	0.891	1542
63	5666	2600	0.1	0.6235	0.891	1466
64	5810	2600	0.1	0.6235	0.891	1529
65	5816	2600	0.1	0.6235	0.891	1531
66	5792	2600	0.1	0.6235	0.891	1521
67	5897	2600	0.1	0.6235	0.891	1567
68	5696	2600	0.1	0.6235	0.891	1479
69	5647	2600	0.1	0.6235	0.891	1458
70	5618	2600	0.1	0.6235	0.891	1445
71	5789	2600	0.1	0.6235	0.891	1519
72	5645	2600	0.1	0.6235	0.891	1457
73	5749	2600	0.1	0.6235	0.891	1502
74	5696	2600	0.1	0.6235	0.891	1479
75	5739	2600	0.1	0.6235	0.891	1498
76	5643	2600	0.1	0.6235	0.891	1456
77	5905	2600	0.1	0.6235	0.891	1570
78	5822	2600	0.1	0.6235	0.891	1534
79	5623	2600	0.1	0.6235	0.891	1448
80	5881	2600	0.1	0.6235	0.891	1560
81	5805	2600	0.1	0.6235	0.891	1527
82	5604	2600	0.1	0.6235	0.891	1440
83	5969	2600	0.1	0.6235	0.891	1599
84	5823	2600	0.1	0.6235	0.891	1534
85	5885	2600	0.1	0.6235	0.891	1562
86	5982	2600	0.1	0.6235	0.891	1605
87	5804	2600	0.1	0.6235	0.891	1526
88	5708	2600	0.1	0.6235	0.891	1484
89	5751	2600	0.1	0.6235	0.891	1503

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
90	5822	2600	0.1	0.6235	0.891	1534
91	5921	2600	0.1	0.6235	0.891	1577
92	5844	2600	0.1	0.6235	0.891	1543
93	5746	2600	0.1	0.6235	0.891	1501
94	5801	2600	0.1	0.6235	0.891	1525
95	5735	2600	0.1	0.6235	0.891	1496
96	5723	2600	0.1	0.6235	0.891	1490
97	5678	2600	0.1	0.6235	0.891	1471
98	5898	2600	0.1	0.6235	0.891	1568
99	5665	2600	0.1	0.6235	0.891	1465
100	5731	2600	0.1	0.6235	0.891	1494
101	5794	2600	0.1	0.6235	0.891	1522
102	5700	2600	0.1	0.6235	0.891	1481
103	5846	2600	0.1	0.6235	0.891	1545
104	5918	2600	0.1	0.6235	0.891	1576
105	5803	2600	0.1	0.6235	0.891	1526
106	5804	2600	0.1	0.6235	0.891	1526
107	5789	2600	0.1	0.6235	0.891	1520
108	5728	2600	0.1	0.6235	0.891	1493
109	5863	2600	0.1	0.6235	0.891	1552
110	5654	2600	0.1	0.6235	0.891	1461
111	5838	2600	0.1	0.6235	0.891	1541
112	5751	2600	0.1	0.6235	0.891	1503
113	5817	2600	0.1	0.6235	0.891	1532
114	5776	2600	0.1	0.6235	0.891	1514
115	5935	2600	0.1	0.6235	0.891	1584
116	5777	2600	0.1	0.6235	0.891	1514
117	5856	2600	0.1	0.6235	0.891	1549
118	5779	2600	0.1	0.6235	0.891	1515
119	5759	2600	0.1	0.6235	0.891	1506
120	5723	2600	0.1	0.6235	0.891	1491
121	5780	2600	0.1	0.6235	0.891	1516
122	5801	2600	0.1	0.6235	0.891	1525
123	5733	2600	0.1	0.6235	0.891	1495
124	5860	2600	0.1	0.6235	0.891	1551
125	5726	2600	0.1	0.6235	0.891	1492
126	5849	2600	0.1	0.6235	0.891	1546
127	5797	2600	0.1	0.6235	0.891	1523
128	5831	2600	0.1	0.6235	0.891	1538
129	5803	2600	0.1	0.6235	0.891	1526
130	5972	2600	0.1	0.6235	0.891	1600
131	5846	2600	0.1	0.6235	0.891	1545
132	5729	2600	0.1	0.6235	0.891	1493
133	5845	2600	0.1	0.6235	0.891	1544
134	5924	2600	0.1	0.6235	0.891	1579

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
135	5801	2600	0.1	0.6235	0.891	1525
136	5767	2600	0.1	0.6235	0.891	1510
137	5694	2600	0.1	0.6235	0.891	1478
138	5852	2600	0.1	0.6235	0.891	1547
139	5775	2600	0.1	0.6235	0.891	1513
140	5855	2600	0.1	0.6235	0.891	1548
141	5754	2600	0.1	0.6235	0.891	1504
142	5637	2600	0.1	0.6235	0.891	1453
143	5836	2600	0.1	0.6235	0.891	1540
144	5814	2600	0.1	0.6235	0.891	1530
145	5621	2600	0.1	0.6235	0.891	1447
146	5984	2600	0.1	0.6235	0.891	1606
147	5836	2600	0.1	0.6235	0.891	1540
148	5777	2600	0.1	0.6235	0.891	1514
149	5778	2600	0.1	0.6235	0.891	1515
150	5892	2600	0.1	0.6235	0.891	1565
151	5788	2600	0.1	0.6235	0.891	1519
152	5676	2600	0.1	0.6235	0.891	1470
153	5966	2600	0.1	0.6235	0.891	1598
154	5909	2600	0.1	0.6235	0.891	1572
155	5664	2600	0.1	0.6235	0.891	1465
156	5855	2600	0.1	0.6235	0.891	1549
157	5706	2600	0.1	0.6235	0.891	1484
158	5913	2600	0.1	0.6235	0.891	1574
159	5724	2600	0.1	0.6235	0.891	1491
160	6052	2600	0.1	0.6235	0.891	1636
161	5640	2600	0.1	0.6235	0.891	1455
162	5737	2600	0.1	0.6235	0.891	1497
163	5816	2600	0.1	0.6235	0.891	1531
164	5638	2600	0.1	0.6235	0.891	1454
165	5857	2600	0.1	0.6235	0.891	1549
166	5754	2600	0.1	0.6235	0.891	1504
167	5776	2600	0.1	0.6235	0.891	1514
168	5736	2600	0.1	0.6235	0.891	1496
169	5897	2600	0.1	0.6235	0.891	1567
170	5700	2600	0.1	0.6235	0.891	1480
171	5894	2600	0.1	0.6235	0.891	1566
172	5716	2600	0.1	0.6235	0.891	1488
173	5800	2600	0.1	0.6235	0.891	1524
174	5679	2600	0.1	0.6235	0.891	1472
175	5671	2600	0.1	0.6235	0.891	1468
176	5771	2600	0.1	0.6235	0.891	1512
177	5626	2600	0.1	0.6235	0.891	1449
178	5852	2600	0.1	0.6235	0.891	1547
179	5837	2600	0.1	0.6235	0.891	1541

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
180	5633	2600	0.1	0.6235	0.891	1452
181	5842	2600	0.1	0.6235	0.891	1543
182	5583	2600	0.1	0.6235	0.891	1430
183	5719	2600	0.1	0.6235	0.891	1489
184	5700	2600	0.1	0.6235	0.891	1481
185	5829	2600	0.1	0.6235	0.891	1537
186	5796	2600	0.1	0.6235	0.891	1522
187	5669	2600	0.1	0.6235	0.891	1467
188	5952	2600	0.1	0.6235	0.891	1591
189	5714	2600	0.1	0.6235	0.891	1487
190	5889	2600	0.1	0.6235	0.891	1564
191	5854	2600	0.1	0.6235	0.891	1548
192	5797	2600	0.1	0.6235	0.891	1523
193	5791	2600	0.1	0.6235	0.891	1520
194	5793	2600	0.1	0.6235	0.891	1521
195	5824	2600	0.1	0.6235	0.891	1535
196	5731	2600	0.1	0.6235	0.891	1494
197	5892	2600	0.1	0.6235	0.891	1565
198	5847	2600	0.1	0.6235	0.891	1545
199	5820	2600	0.1	0.6235	0.891	1533
200	5635	2600	0.1	0.6235	0.891	1453
201	5750	2600	0.1	0.6235	0.891	1502
202	5844	2600	0.1	0.6235	0.891	1544
203	5725	2600	0.1	0.6235	0.891	1492
204	5656	2600	0.1	0.6235	0.891	1461
205	5794	2600	0.1	0.6235	0.891	1522
206	5745	2600	0.1	0.6235	0.891	1500
207	5684	2600	0.1	0.6235	0.891	1474
208	5781	2600	0.1	0.6235	0.891	1516
209	5838	2600	0.1	0.6235	0.891	1541
210	5771	2600	0.1	0.6235	0.891	1512
211	5853	2600	0.1	0.6235	0.891	1548
212	5898	2600	0.1	0.6235	0.891	1567
213	5747	2600	0.1	0.6235	0.891	1501
214	5869	2600	0.1	0.6235	0.891	1555
215	5944	2600	0.1	0.6235	0.891	1588
216	5852	2600	0.1	0.6235	0.891	1547
217	5869	2600	0.1	0.6235	0.891	1555
218	5693	2600	0.1	0.6235	0.891	1478
219	5592	2600	0.1	0.6235	0.891	1434
220	5774	2600	0.1	0.6235	0.891	1513
221	5758	2600	0.1	0.6235	0.891	1506
222	5697	2600	0.1	0.6235	0.891	1479
223	5858	2600	0.1	0.6235	0.891	1550
224	5805	2600	0.1	0.6235	0.891	1527

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
225	5876	2600	0.1	0.6235	0.891	1558
226	5911	2600	0.1	0.6235	0.891	1573
227	5827	2600	0.1	0.6235	0.891	1536
228	6042	2600	0.1	0.6235	0.891	1632
229	5695	2600	0.1	0.6235	0.891	1479
230	5818	2600	0.1	0.6235	0.891	1532
231	5591	2600	0.1	0.6235	0.891	1434
232	5741	2600	0.1	0.6235	0.891	1498
233	5817	2600	0.1	0.6235	0.891	1532
234	6003	2600	0.1	0.6235	0.891	1614
235	5877	2600	0.1	0.6235	0.891	1558
236	5814	2600	0.1	0.6235	0.891	1531
237	5845	2600	0.1	0.6235	0.891	1544
238	5833	2600	0.1	0.6235	0.891	1539
239	5925	2600	0.1	0.6235	0.891	1580
240	5835	2600	0.1	0.6235	0.891	1540
241	5778	2600	0.1	0.6235	0.891	1515
242	5749	2600	0.1	0.6235	0.891	1502
243	5606	2600	0.1	0.6235	0.891	1441
244	5811	2600	0.1	0.6235	0.891	1529
245	5770	2600	0.1	0.6235	0.891	1511
246	5796	2600	0.1	0.6235	0.891	1522
247	5766	2600	0.1	0.6235	0.891	1510
248	5887	2600	0.1	0.6235	0.891	1563
249	5790	2600	0.1	0.6235	0.891	1520
250	5769	2600	0.1	0.6235	0.891	1511
251	5920	2600	0.1	0.6235	0.891	1577
252	5727	2600	0.1	0.6235	0.891	1492
253	5910	2600	0.1	0.6235	0.891	1573
254	5765	2600	0.1	0.6235	0.891	1509
255	5759	2600	0.1	0.6235	0.891	1507
256	5748	2600	0.1	0.6235	0.891	1501
257	5698	2600	0.1	0.6235	0.891	1480
258	5694	2600	0.1	0.6235	0.891	1478
259	5833	2600	0.1	0.6235	0.891	1539
260	5866	2600	0.1	0.6235	0.891	1553
261	5925	2600	0.1	0.6235	0.891	1579
262	5688	2600	0.1	0.6235	0.891	1475
263	5785	2600	0.1	0.6235	0.891	1517
264	5807	2600	0.1	0.6235	0.891	1527
265	5677	2600	0.1	0.6235	0.891	1471
266	6061	2600	0.1	0.6235	0.891	1640
267	5874	2600	0.1	0.6235	0.891	1557
268	5872	2600	0.1	0.6235	0.891	1556
269	5755	2600	0.1	0.6235	0.891	1505

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
270	5783	2600	0.1	0.6235	0.891	1517
271	5918	2600	0.1	0.6235	0.891	1576
272	5864	2600	0.1	0.6235	0.891	1552
273	5675	2600	0.1	0.6235	0.891	1470
274	5729	2600	0.1	0.6235	0.891	1493
275	5867	2600	0.1	0.6235	0.891	1554
276	5711	2600	0.1	0.6235	0.891	1485
277	5836	2600	0.1	0.6235	0.891	1540
278	5687	2600	0.1	0.6235	0.891	1475
279	5895	2600	0.1	0.6235	0.891	1566
280	5722	2600	0.1	0.6235	0.891	1490
281	5684	2600	0.1	0.6235	0.891	1474
282	5779	2600	0.1	0.6235	0.891	1515
283	5857	2600	0.1	0.6235	0.891	1549
284	5922	2600	0.1	0.6235	0.891	1578
285	5589	2600	0.1	0.6235	0.891	1433
286	5871	2600	0.1	0.6235	0.891	1555
287	5597	2600	0.1	0.6235	0.891	1436
288	5732	2600	0.1	0.6235	0.891	1495
289	5742	2600	0.1	0.6235	0.891	1499
290	5685	2600	0.1	0.6235	0.891	1474
291	5526	2600	0.1	0.6235	0.891	1406
292	5734	2600	0.1	0.6235	0.891	1496
293	5719	2600	0.1	0.6235	0.891	1489
294	5962	2600	0.1	0.6235	0.891	1596
295	5833	2600	0.1	0.6235	0.891	1539
296	5829	2600	0.1	0.6235	0.891	1537
297	5861	2600	0.1	0.6235	0.891	1551
298	5903	2600	0.1	0.6235	0.891	1570
299	5720	2600	0.1	0.6235	0.891	1489
300	5774	2600	0.1	0.6235	0.891	1513
301	5960	2600	0.1	0.6235	0.891	1595
302	5935	2600	0.1	0.6235	0.891	1584
303	5670	2600	0.1	0.6235	0.891	1468
304	5906	2600	0.1	0.6235	0.891	1571
305	5807	2600	0.1	0.6235	0.891	1527
306	5821	2600	0.1	0.6235	0.891	1534
307	5851	2600	0.1	0.6235	0.891	1547
308	5748	2600	0.1	0.6235	0.891	1502
309	5865	2600	0.1	0.6235	0.891	1553
310	5862	2600	0.1	0.6235	0.891	1552
311	5848	2600	0.1	0.6235	0.891	1545
312	5858	2600	0.1	0.6235	0.891	1550
313	5799	2600	0.1	0.6235	0.891	1524
314	5980	2600	0.1	0.6235	0.891	1604

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
315	5693	2600	0.1	0.6235	0.891	1478
316	5768	2600	0.1	0.6235	0.891	1510
317	5751	2600	0.1	0.6235	0.891	1503
318	5920	2600	0.1	0.6235	0.891	1577
319	5853	2600	0.1	0.6235	0.891	1547
320	5847	2600	0.1	0.6235	0.891	1545
321	5829	2600	0.1	0.6235	0.891	1537
322	5883	2600	0.1	0.6235	0.891	1561
323	5739	2600	0.1	0.6235	0.891	1498
324	5978	2600	0.1	0.6235	0.891	1603
325	5819	2600	0.1	0.6235	0.891	1532
326	5539	2600	0.1	0.6235	0.891	1412
327	5687	2600	0.1	0.6235	0.891	1475
328	5875	2600	0.1	0.6235	0.891	1557
329	5761	2600	0.1	0.6235	0.891	1507
330	5879	2600	0.1	0.6235	0.891	1559
331	5869	2600	0.1	0.6235	0.891	1555
332	5687	2600	0.1	0.6235	0.891	1475
333	5634	2600	0.1	0.6235	0.891	1452
334	5747	2600	0.1	0.6235	0.891	1501
335	5740	2600	0.1	0.6235	0.891	1498
336	5757	2600	0.1	0.6235	0.891	1505
337	5812	2600	0.1	0.6235	0.891	1530
338	5870	2600	0.1	0.6235	0.891	1555
339	5789	2600	0.1	0.6235	0.891	1519
340	5840	2600	0.1	0.6235	0.891	1542
341	5842	2600	0.1	0.6235	0.891	1542
342	5939	2600	0.1	0.6235	0.891	1585
343	5827	2600	0.1	0.6235	0.891	1536
344	5888	2600	0.1	0.6235	0.891	1563
345	5721	2600	0.1	0.6235	0.891	1490
346	5788	2600	0.1	0.6235	0.891	1519
347	5770	2600	0.1	0.6235	0.891	1511
348	5644	2600	0.1	0.6235	0.891	1457
349	5815	2600	0.1	0.6235	0.891	1531
350	5796	2600	0.1	0.6235	0.891	1522
351	5779	2600	0.1	0.6235	0.891	1515
352	5738	2600	0.1	0.6235	0.891	1497
353	5668	2600	0.1	0.6235	0.891	1467
354	5707	2600	0.1	0.6235	0.891	1484
355	5899	2600	0.1	0.6235	0.891	1568
356	5874	2600	0.1	0.6235	0.891	1557
357	5568	2600	0.1	0.6235	0.891	1424
358	5819	2600	0.1	0.6235	0.891	1533
359	5759	2600	0.1	0.6235	0.891	1506

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
360	5872	2600	0.1	0.6235	0.891	1556
361	5704	2600	0.1	0.6235	0.891	1483
362	5896	2600	0.1	0.6235	0.891	1566
363	5901	2600	0.1	0.6235	0.891	1569
364	5885	2600	0.1	0.6235	0.891	1562
365	5896	2600	0.1	0.6235	0.891	1567
366	5889	2600	0.1	0.6235	0.891	1563
367	5861	2600	0.1	0.6235	0.891	1551
368	6013	2600	0.1	0.6235	0.891	1619
369	5667	2600	0.1	0.6235	0.891	1467
370	5722	2600	0.1	0.6235	0.891	1490
371	5839	2600	0.1	0.6235	0.891	1541
372	5699	2600	0.1	0.6235	0.891	1480
373	5959	2600	0.1	0.6235	0.891	1594
374	5882	2600	0.1	0.6235	0.891	1561
375	5820	2600	0.1	0.6235	0.891	1533
376	5674	2600	0.1	0.6235	0.891	1469
377	5730	2600	0.1	0.6235	0.891	1494
378	5927	2600	0.1	0.6235	0.891	1580
379	5841	2600	0.1	0.6235	0.891	1542
380	5826	2600	0.1	0.6235	0.891	1536
381	5831	2600	0.1	0.6235	0.891	1538
382	5875	2600	0.1	0.6235	0.891	1557
383	5738	2600	0.1	0.6235	0.891	1497
384	5767	2600	0.1	0.6235	0.891	1510
385	5884	2600	0.1	0.6235	0.891	1561
386	5676	2600	0.1	0.6235	0.891	1470
387	5868	2600	0.1	0.6235	0.891	1554
388	5745	2600	0.1	0.6235	0.891	1500
389	5740	2600	0.1	0.6235	0.891	1498
390	5721	2600	0.1	0.6235	0.891	1490
391	6005	2600	0.1	0.6235	0.891	1615
392	5743	2600	0.1	0.6235	0.891	1499
393	5877	2600	0.1	0.6235	0.891	1558
394	5672	2600	0.1	0.6235	0.891	1469
395	5792	2600	0.1	0.6235	0.891	1521
396	5915	2600	0.1	0.6235	0.891	1575
397	5744	2600	0.1	0.6235	0.891	1500
398	5732	2600	0.1	0.6235	0.891	1495
399	5692	2600	0.1	0.6235	0.891	1477
400	5781	2600	0.1	0.6235	0.891	1516
401	5912	2600	0.1	0.6235	0.891	1574
402	5496	2600	0.1	0.6235	0.891	1393
403	5764	2600	0.1	0.6235	0.891	1509
404	5811	2600	0.1	0.6235	0.891	1529

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
405	5725	2600	0.1	0.6235	0.891	1491
406	5732	2600	0.1	0.6235	0.891	1494
407	5759	2600	0.1	0.6235	0.891	1506
408	5785	2600	0.1	0.6235	0.891	1518
409	5678	2600	0.1	0.6235	0.891	1471
410	5831	2600	0.1	0.6235	0.891	1538
411	6045	2600	0.1	0.6235	0.891	1633
412	5650	2600	0.1	0.6235	0.891	1459
413	5705	2600	0.1	0.6235	0.891	1483
414	5787	2600	0.1	0.6235	0.891	1518
415	5917	2600	0.1	0.6235	0.891	1576
416	5950	2600	0.1	0.6235	0.891	1590
417	5680	2600	0.1	0.6235	0.891	1472
418	5659	2600	0.1	0.6235	0.891	1463
419	5808	2600	0.1	0.6235	0.891	1528
420	5826	2600	0.1	0.6235	0.891	1536
421	5672	2600	0.1	0.6235	0.891	1469
422	5813	2600	0.1	0.6235	0.891	1530
423	5709	2600	0.1	0.6235	0.891	1485
424	5790	2600	0.1	0.6235	0.891	1520
425	5886	2600	0.1	0.6235	0.891	1562
426	5804	2600	0.1	0.6235	0.891	1526
427	5691	2600	0.1	0.6235	0.891	1477
428	5910	2600	0.1	0.6235	0.891	1573
429	5741	2600	0.1	0.6235	0.891	1499
430	5735	2600	0.1	0.6235	0.891	1496
431	5851	2600	0.1	0.6235	0.891	1547
432	5743	2600	0.1	0.6235	0.891	1499
433	5956	2600	0.1	0.6235	0.891	1593
434	5816	2600	0.1	0.6235	0.891	1531
435	5953	2600	0.1	0.6235	0.891	1592
436	5883	2600	0.1	0.6235	0.891	1561
437	5814	2600	0.1	0.6235	0.891	1530
438	5837	2600	0.1	0.6235	0.891	1540
439	5769	2600	0.1	0.6235	0.891	1511
440	5919	2600	0.1	0.6235	0.891	1577
441	5879	2600	0.1	0.6235	0.891	1559
442	5857	2600	0.1	0.6235	0.891	1549
443	5800	2600	0.1	0.6235	0.891	1524
444	5942	2600	0.1	0.6235	0.891	1587
445	5717	2600	0.1	0.6235	0.891	1488
446	5880	2600	0.1	0.6235	0.891	1560
447	5847	2600	0.1	0.6235	0.891	1545
448	5937	2600	0.1	0.6235	0.891	1585
449	5675	2600	0.1	0.6235	0.891	1470

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
450	5711	2600	0.1	0.6235	0.891	1485
451	5658	2600	0.1	0.6235	0.891	1463
452	5730	2600	0.1	0.6235	0.891	1494
453	5987	2600	0.1	0.6235	0.891	1607
454	5884	2600	0.1	0.6235	0.891	1561
455	5966	2600	0.1	0.6235	0.891	1598
456	5779	2600	0.1	0.6235	0.891	1515
457	5929	2600	0.1	0.6235	0.891	1581
458	5807	2600	0.1	0.6235	0.891	1527
459	5960	2600	0.1	0.6235	0.891	1595
460	5701	2600	0.1	0.6235	0.891	1481
461	5695	2600	0.1	0.6235	0.891	1479
462	5760	2600	0.1	0.6235	0.891	1507
463	5680	2600	0.1	0.6235	0.891	1472
464	5808	2600	0.1	0.6235	0.891	1528
465	5806	2600	0.1	0.6235	0.891	1527
466	5726	2600	0.1	0.6235	0.891	1492
467	5889	2600	0.1	0.6235	0.891	1563
468	5810	2600	0.1	0.6235	0.891	1528
469	5858	2600	0.1	0.6235	0.891	1550
470	5903	2600	0.1	0.6235	0.891	1570
471	5782	2600	0.1	0.6235	0.891	1517
472	5867	2600	0.1	0.6235	0.891	1554
473	5824	2600	0.1	0.6235	0.891	1535
474	5904	2600	0.1	0.6235	0.891	1570
475	5734	2600	0.1	0.6235	0.891	1495
476	5605	2600	0.1	0.6235	0.891	1440
477	5673	2600	0.1	0.6235	0.891	1469
478	5914	2600	0.1	0.6235	0.891	1574
479	5870	2600	0.1	0.6235	0.891	1555
480	5795	2600	0.1	0.6235	0.891	1522
481	5737	2600	0.1	0.6235	0.891	1497
482	5629	2600	0.1	0.6235	0.891	1450
483	5752	2600	0.1	0.6235	0.891	1503
484	5782	2600	0.1	0.6235	0.891	1516
485	5549	2600	0.1	0.6235	0.891	1416
486	5948	2600	0.1	0.6235	0.891	1590
487	5595	2600	0.1	0.6235	0.891	1436
488	5905	2600	0.1	0.6235	0.891	1571
489	5730	2600	0.1	0.6235	0.891	1494
490	5747	2600	0.1	0.6235	0.891	1501
491	5783	2600	0.1	0.6235	0.891	1517
492	5941	2600	0.1	0.6235	0.891	1587
493	5812	2600	0.1	0.6235	0.891	1530
494	5660	2600	0.1	0.6235	0.891	1463

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
495	5848	2600	0.1	0.6235	0.891	1545
496	5795	2600	0.1	0.6235	0.891	1522
497	5733	2600	0.1	0.6235	0.891	1495
498	5769	2600	0.1	0.6235	0.891	1511
499	5630	2600	0.1	0.6235	0.891	1450
500	5850	2600	0.1	0.6235	0.891	1546
501	5860	2600	0.1	0.6235	0.891	1551
502	5652	2600	0.1	0.6235	0.891	1460
503	5657	2600	0.1	0.6235	0.891	1462
504	5934	2600	0.1	0.6235	0.891	1584
505	5747	2600	0.1	0.6235	0.891	1501
506	5977	2600	0.1	0.6235	0.891	1602
507	5737	2600	0.1	0.6235	0.891	1497
508	5773	2600	0.1	0.6235	0.891	1512
509	5714	2600	0.1	0.6235	0.891	1487
510	5718	2600	0.1	0.6235	0.891	1488
511	5955	2600	0.1	0.6235	0.891	1593
512	5838	2600	0.1	0.6235	0.891	1541
513	5866	2600	0.1	0.6235	0.891	1553
514	5778	2600	0.1	0.6235	0.891	1514
515	5727	2600	0.1	0.6235	0.891	1492
516	5843	2600	0.1	0.6235	0.891	1543
517	5882	2600	0.1	0.6235	0.891	1560
518	5761	2600	0.1	0.6235	0.891	1507
519	5631	2600	0.1	0.6235	0.891	1451
520	5711	2600	0.1	0.6235	0.891	1486
521	5813	2600	0.1	0.6235	0.891	1530
522	5773	2600	0.1	0.6235	0.891	1512
523	5663	2600	0.1	0.6235	0.891	1465
524	6010	2600	0.1	0.6235	0.891	1618
525	5922	2600	0.1	0.6235	0.891	1578
526	5854	2600	0.1	0.6235	0.891	1548
527	5738	2600	0.1	0.6235	0.891	1497
528	5782	2600	0.1	0.6235	0.891	1516
529	5824	2600	0.1	0.6235	0.891	1535
530	5807	2600	0.1	0.6235	0.891	1528
531	5701	2600	0.1	0.6235	0.891	1481
532	5670	2600	0.1	0.6235	0.891	1468
533	6036	2600	0.1	0.6235	0.891	1629
534	5905	2600	0.1	0.6235	0.891	1571
535	5832	2600	0.1	0.6235	0.891	1538
536	5727	2600	0.1	0.6235	0.891	1492
537	5525	2600	0.1	0.6235	0.891	1406
538	5835	2600	0.1	0.6235	0.891	1540
539	5901	2600	0.1	0.6235	0.891	1569

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
540	5937	2600	0.1	0.6235	0.891	1584
541	5588	2600	0.1	0.6235	0.891	1433
542	5692	2600	0.1	0.6235	0.891	1477
543	5862	2600	0.1	0.6235	0.891	1551
544	5749	2600	0.1	0.6235	0.891	1502
545	5802	2600	0.1	0.6235	0.891	1525
546	5825	2600	0.1	0.6235	0.891	1535
547	5892	2600	0.1	0.6235	0.891	1565
548	5902	2600	0.1	0.6235	0.891	1569
549	5644	2600	0.1	0.6235	0.891	1456
550	5622	2600	0.1	0.6235	0.891	1447
551	5635	2600	0.1	0.6235	0.891	1453
552	5924	2600	0.1	0.6235	0.891	1579
553	5873	2600	0.1	0.6235	0.891	1557
554	5755	2600	0.1	0.6235	0.891	1505
555	5764	2600	0.1	0.6235	0.891	1509
556	5648	2600	0.1	0.6235	0.891	1458
557	5930	2600	0.1	0.6235	0.891	1582
558	5801	2600	0.1	0.6235	0.891	1525
559	5712	2600	0.1	0.6235	0.891	1486
560	5996	2600	0.1	0.6235	0.891	1611
561	5733	2600	0.1	0.6235	0.891	1495
562	5915	2600	0.1	0.6235	0.891	1575
563	5728	2600	0.1	0.6235	0.891	1493
564	5790	2600	0.1	0.6235	0.891	1520
565	5713	2600	0.1	0.6235	0.891	1486
566	5809	2600	0.1	0.6235	0.891	1528
567	5602	2600	0.1	0.6235	0.891	1438
568	5773	2600	0.1	0.6235	0.891	1512
569	5717	2600	0.1	0.6235	0.891	1488
570	5879	2600	0.1	0.6235	0.891	1559
571	5677	2600	0.1	0.6235	0.891	1471
572	5793	2600	0.1	0.6235	0.891	1521
573	5832	2600	0.1	0.6235	0.891	1538
574	5750	2600	0.1	0.6235	0.891	1502
575	5944	2600	0.1	0.6235	0.891	1588
576	5876	2600	0.1	0.6235	0.891	1557
577	5685	2600	0.1	0.6235	0.891	1474
578	5852	2600	0.1	0.6235	0.891	1547
579	5861	2600	0.1	0.6235	0.891	1551
580	5752	2600	0.1	0.6235	0.891	1503
581	5762	2600	0.1	0.6235	0.891	1508
582	5756	2600	0.1	0.6235	0.891	1505
583	5855	2600	0.1	0.6235	0.891	1548
584	5718	2600	0.1	0.6235	0.891	1489

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
585	5901	2600	0.1	0.6235	0.891	1569
586	5815	2600	0.1	0.6235	0.891	1531
587	5816	2600	0.1	0.6235	0.891	1531
588	5768	2600	0.1	0.6235	0.891	1510
589	5837	2600	0.1	0.6235	0.891	1540
590	5826	2600	0.1	0.6235	0.891	1536
591	5849	2600	0.1	0.6235	0.891	1546
592	5775	2600	0.1	0.6235	0.891	1513
593	5820	2600	0.1	0.6235	0.891	1533
594	5620	2600	0.1	0.6235	0.891	1446
595	5939	2600	0.1	0.6235	0.891	1586
596	5712	2600	0.1	0.6235	0.891	1486
597	5625	2600	0.1	0.6235	0.891	1448
598	5823	2600	0.1	0.6235	0.891	1534
599	5969	2600	0.1	0.6235	0.891	1599
600	5871	2600	0.1	0.6235	0.891	1556
601	5812	2600	0.1	0.6235	0.891	1529
602	5739	2600	0.1	0.6235	0.891	1498
603	5804	2600	0.1	0.6235	0.891	1526
604	5831	2600	0.1	0.6235	0.891	1538
605	5806	2600	0.1	0.6235	0.891	1527
606	5798	2600	0.1	0.6235	0.891	1524
607	5795	2600	0.1	0.6235	0.891	1522
608	5785	2600	0.1	0.6235	0.891	1518
609	5766	2600	0.1	0.6235	0.891	1509
610	5775	2600	0.1	0.6235	0.891	1513
611	5713	2600	0.1	0.6235	0.891	1487
612	5810	2600	0.1	0.6235	0.891	1529
613	5614	2600	0.1	0.6235	0.891	1444
614	5797	2600	0.1	0.6235	0.891	1523
615	5758	2600	0.1	0.6235	0.891	1506
616	5896	2600	0.1	0.6235	0.891	1567
617	5575	2600	0.1	0.6235	0.891	1427
618	5786	2600	0.1	0.6235	0.891	1518
619	5685	2600	0.1	0.6235	0.891	1474
620	5845	2600	0.1	0.6235	0.891	1544
621	5743	2600	0.1	0.6235	0.891	1500
622	5848	2600	0.1	0.6235	0.891	1546
623	5799	2600	0.1	0.6235	0.891	1524
624	5767	2600	0.1	0.6235	0.891	1510
625	5768	2600	0.1	0.6235	0.891	1510
626	5627	2600	0.1	0.6235	0.891	1449
627	5784	2600	0.1	0.6235	0.891	1517
628	5878	2600	0.1	0.6235	0.891	1559
629	5713	2600	0.1	0.6235	0.891	1486

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
630	5894	2600	0.1	0.6235	0.891	1565
631	5641	2600	0.1	0.6235	0.891	1455
632	5764	2600	0.1	0.6235	0.891	1508
633	5730	2600	0.1	0.6235	0.891	1494
634	5704	2600	0.1	0.6235	0.891	1482
635	5697	2600	0.1	0.6235	0.891	1479
636	5868	2600	0.1	0.6235	0.891	1554
637	5860	2600	0.1	0.6235	0.891	1551
638	5811	2600	0.1	0.6235	0.891	1529
639	5857	2600	0.1	0.6235	0.891	1549
640	5853	2600	0.1	0.6235	0.891	1548
641	5834	2600	0.1	0.6235	0.891	1539
642	5956	2600	0.1	0.6235	0.891	1593
643	5667	2600	0.1	0.6235	0.891	1467
644	5709	2600	0.1	0.6235	0.891	1485
645	5835	2600	0.1	0.6235	0.891	1540
646	5742	2600	0.1	0.6235	0.891	1499
647	5686	2600	0.1	0.6235	0.891	1475
648	5722	2600	0.1	0.6235	0.891	1490
649	5689	2600	0.1	0.6235	0.891	1476
650	5789	2600	0.1	0.6235	0.891	1519
651	5741	2600	0.1	0.6235	0.891	1499
652	5776	2600	0.1	0.6235	0.891	1514
653	5783	2600	0.1	0.6235	0.891	1517
654	5690	2600	0.1	0.6235	0.891	1477
655	5801	2600	0.1	0.6235	0.891	1525
656	5666	2600	0.1	0.6235	0.891	1466
657	5632	2600	0.1	0.6235	0.891	1451
658	5757	2600	0.1	0.6235	0.891	1506
659	5663	2600	0.1	0.6235	0.891	1465
660	5709	2600	0.1	0.6235	0.891	1484
661	5720	2600	0.1	0.6235	0.891	1489
662	5599	2600	0.1	0.6235	0.891	1437
663	5702	2600	0.1	0.6235	0.891	1482
664	5868	2600	0.1	0.6235	0.891	1554
665	5667	2600	0.1	0.6235	0.891	1466
666	5703	2600	0.1	0.6235	0.891	1482
667	5799	2600	0.1	0.6235	0.891	1524
668	5679	2600	0.1	0.6235	0.891	1472
669	5938	2600	0.1	0.6235	0.891	1585
670	5793	2600	0.1	0.6235	0.891	1521
671	5651	2600	0.1	0.6235	0.891	1460
672	5821	2600	0.1	0.6235	0.891	1534
673	5823	2600	0.1	0.6235	0.891	1534
674	5706	2600	0.1	0.6235	0.891	1483

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
675	5849	2600	0.1	0.6235	0.891	1546
676	5708	2600	0.1	0.6235	0.891	1484
677	5786	2600	0.1	0.6235	0.891	1518
678	5754	2600	0.1	0.6235	0.891	1504
679	5859	2600	0.1	0.6235	0.891	1550
680	5716	2600	0.1	0.6235	0.891	1488
681	5756	2600	0.1	0.6235	0.891	1505
682	5907	2600	0.1	0.6235	0.891	1571
683	5765	2600	0.1	0.6235	0.891	1509
684	5691	2600	0.1	0.6235	0.891	1477
685	5999	2600	0.1	0.6235	0.891	1613
686	5818	2600	0.1	0.6235	0.891	1532
687	5840	2600	0.1	0.6235	0.891	1542
688	5929	2600	0.1	0.6235	0.891	1581
689	5673	2600	0.1	0.6235	0.891	1469
690	5850	2600	0.1	0.6235	0.891	1546
691	5814	2600	0.1	0.6235	0.891	1530
692	5830	2600	0.1	0.6235	0.891	1537
693	5854	2600	0.1	0.6235	0.891	1548
694	5891	2600	0.1	0.6235	0.891	1564
695	5975	2600	0.1	0.6235	0.891	1602
696	5753	2600	0.1	0.6235	0.891	1504
697	5681	2600	0.1	0.6235	0.891	1473
698	5721	2600	0.1	0.6235	0.891	1490
699	5744	2600	0.1	0.6235	0.891	1500
700	5787	2600	0.1	0.6235	0.891	1519
701	5780	2600	0.1	0.6235	0.891	1516
702	5802	2600	0.1	0.6235	0.891	1525
703	5704	2600	0.1	0.6235	0.891	1483
704	5932	2600	0.1	0.6235	0.891	1583
705	5910	2600	0.1	0.6235	0.891	1572
706	5699	2600	0.1	0.6235	0.891	1480
707	5995	2600	0.1	0.6235	0.891	1610
708	5548	2600	0.1	0.6235	0.891	1415
709	5879	2600	0.1	0.6235	0.891	1559
710	5893	2600	0.1	0.6235	0.891	1565
711	5800	2600	0.1	0.6235	0.891	1524
712	5915	2600	0.1	0.6235	0.891	1575
713	5710	2600	0.1	0.6235	0.891	1485
714	5777	2600	0.1	0.6235	0.891	1514
715	5893	2600	0.1	0.6235	0.891	1565
716	5806	2600	0.1	0.6235	0.891	1527
717	5787	2600	0.1	0.6235	0.891	1519
718	5797	2600	0.1	0.6235	0.891	1523
719	5714	2600	0.1	0.6235	0.891	1487

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
720	5841	2600	0.1	0.6235	0.891	1542
721	6007	2600	0.1	0.6235	0.891	1616
722	5871	2600	0.1	0.6235	0.891	1556
723	5760	2600	0.1	0.6235	0.891	1507
724	5787	2600	0.1	0.6235	0.891	1519
725	5842	2600	0.1	0.6235	0.891	1543
726	5843	2600	0.1	0.6235	0.891	1543
727	5870	2600	0.1	0.6235	0.891	1555
728	5788	2600	0.1	0.6235	0.891	1519
729	5696	2600	0.1	0.6235	0.891	1479
730	5680	2600	0.1	0.6235	0.891	1472
731	5776	2600	0.1	0.6235	0.891	1514
732	5724	2600	0.1	0.6235	0.891	1491
733	5613	2600	0.1	0.6235	0.891	1443
734	5772	2600	0.1	0.6235	0.891	1512
735	5785	2600	0.1	0.6235	0.891	1518
736	5851	2600	0.1	0.6235	0.891	1546
737	5767	2600	0.1	0.6235	0.891	1510
738	5803	2600	0.1	0.6235	0.891	1525
739	5738	2600	0.1	0.6235	0.891	1497
740	5619	2600	0.1	0.6235	0.891	1446
741	5763	2600	0.1	0.6235	0.891	1508
742	5895	2600	0.1	0.6235	0.891	1566
743	5693	2600	0.1	0.6235	0.891	1477
744	6030	2600	0.1	0.6235	0.891	1627
745	5762	2600	0.1	0.6235	0.891	1508
746	5829	2600	0.1	0.6235	0.891	1537
747	5999	2600	0.1	0.6235	0.891	1612
748	5859	2600	0.1	0.6235	0.891	1550
749	5682	2600	0.1	0.6235	0.891	1473
750	5610	2600	0.1	0.6235	0.891	1442
751	5974	2600	0.1	0.6235	0.891	1601
752	5825	2600	0.1	0.6235	0.891	1535
753	5791	2600	0.1	0.6235	0.891	1521
754	5793	2600	0.1	0.6235	0.891	1521
755	5866	2600	0.1	0.6235	0.891	1553
756	5740	2600	0.1	0.6235	0.891	1498
757	5783	2600	0.1	0.6235	0.891	1517
758	5784	2600	0.1	0.6235	0.891	1517
759	5772	2600	0.1	0.6235	0.891	1512
760	5772	2600	0.1	0.6235	0.891	1512
761	5965	2600	0.1	0.6235	0.891	1597
762	5928	2600	0.1	0.6235	0.891	1581
763	5559	2600	0.1	0.6235	0.891	1420
764	5819	2600	0.1	0.6235	0.891	1533

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
765	5808	2600	0.1	0.6235	0.891	1528
766	5642	2600	0.1	0.6235	0.891	1456
767	5767	2600	0.1	0.6235	0.891	1510
768	5513	2600	0.1	0.6235	0.891	1401
769	5946	2600	0.1	0.6235	0.891	1589
770	5820	2600	0.1	0.6235	0.891	1533
771	5769	2600	0.1	0.6235	0.891	1511
772	5970	2600	0.1	0.6235	0.891	1600
773	5798	2600	0.1	0.6235	0.891	1523
774	5742	2600	0.1	0.6235	0.891	1499
775	5585	2600	0.1	0.6235	0.891	1431
776	5839	2600	0.1	0.6235	0.891	1541
777	5846	2600	0.1	0.6235	0.891	1545
778	5840	2600	0.1	0.6235	0.891	1542
779	5781	2600	0.1	0.6235	0.891	1516
780	5630	2600	0.1	0.6235	0.891	1450
781	5753	2600	0.1	0.6235	0.891	1504
782	5729	2600	0.1	0.6235	0.891	1493
783	5876	2600	0.1	0.6235	0.891	1558
784	5762	2600	0.1	0.6235	0.891	1508
785	5734	2600	0.1	0.6235	0.891	1496
786	5812	2600	0.1	0.6235	0.891	1530
787	5710	2600	0.1	0.6235	0.891	1485
788	5777	2600	0.1	0.6235	0.891	1514
789	5682	2600	0.1	0.6235	0.891	1473
790	5724	2600	0.1	0.6235	0.891	1491
791	5830	2600	0.1	0.6235	0.891	1537
792	5882	2600	0.1	0.6235	0.891	1560
793	5746	2600	0.1	0.6235	0.891	1501
794	5824	2600	0.1	0.6235	0.891	1535
795	5828	2600	0.1	0.6235	0.891	1536
796	5710	2600	0.1	0.6235	0.891	1485
797	5863	2600	0.1	0.6235	0.891	1552
798	5757	2600	0.1	0.6235	0.891	1505
799	5654	2600	0.1	0.6235	0.891	1461
800	5943	2600	0.1	0.6235	0.891	1587
801	5611	2600	0.1	0.6235	0.891	1443
802	5706	2600	0.1	0.6235	0.891	1483
803	5655	2600	0.1	0.6235	0.891	1461
804	5751	2600	0.1	0.6235	0.891	1503
805	5748	2600	0.1	0.6235	0.891	1502
806	5908	2600	0.1	0.6235	0.891	1572
807	5804	2600	0.1	0.6235	0.891	1526
808	5725	2600	0.1	0.6235	0.891	1491
809	5828	2600	0.1	0.6235	0.891	1537

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
810	5827	2600	0.1	0.6235	0.891	1536
811	5887	2600	0.1	0.6235	0.891	1562
812	5683	2600	0.1	0.6235	0.891	1473
813	5819	2600	0.1	0.6235	0.891	1533
814	5763	2600	0.1	0.6235	0.891	1508
815	5826	2600	0.1	0.6235	0.891	1536
816	5715	2600	0.1	0.6235	0.891	1487
817	5927	2600	0.1	0.6235	0.891	1581
818	5772	2600	0.1	0.6235	0.891	1512
819	5794	2600	0.1	0.6235	0.891	1522
820	5670	2600	0.1	0.6235	0.891	1468
821	5774	2600	0.1	0.6235	0.891	1513
822	5726	2600	0.1	0.6235	0.891	1492
823	5785	2600	0.1	0.6235	0.891	1518
824	5752	2600	0.1	0.6235	0.891	1503
825	5702	2600	0.1	0.6235	0.891	1481
826	5886	2600	0.1	0.6235	0.891	1562
827	5792	2600	0.1	0.6235	0.891	1521
828	5884	2600	0.1	0.6235	0.891	1561
829	5599	2600	0.1	0.6235	0.891	1437
830	5917	2600	0.1	0.6235	0.891	1576
831	5758	2600	0.1	0.6235	0.891	1506
832	5698	2600	0.1	0.6235	0.891	1480
833	5573	2600	0.1	0.6235	0.891	1426
834	5930	2600	0.1	0.6235	0.891	1582
835	5673	2600	0.1	0.6235	0.891	1469
836	5811	2600	0.1	0.6235	0.891	1529
837	5706	2600	0.1	0.6235	0.891	1483
838	5845	2600	0.1	0.6235	0.891	1544
839	5809	2600	0.1	0.6235	0.891	1528
840	5761	2600	0.1	0.6235	0.891	1507
841	5688	2600	0.1	0.6235	0.891	1476
842	5774	2600	0.1	0.6235	0.891	1513
843	5562	2600	0.1	0.6235	0.891	1421
844	5636	2600	0.1	0.6235	0.891	1453
845	5774	2600	0.1	0.6235	0.891	1513
846	5784	2600	0.1	0.6235	0.891	1517
847	5872	2600	0.1	0.6235	0.891	1556
848	6086	2600	0.1	0.6235	0.891	1652
849	5718	2600	0.1	0.6235	0.891	1488
850	5563	2600	0.1	0.6235	0.891	1422
851	5776	2600	0.1	0.6235	0.891	1514
852	5794	2600	0.1	0.6235	0.891	1522
853	5834	2600	0.1	0.6235	0.891	1539
854	5685	2600	0.1	0.6235	0.891	1474

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
855	5703	2600	0.1	0.6235	0.891	1482
856	5877	2600	0.1	0.6235	0.891	1558
857	5748	2600	0.1	0.6235	0.891	1502
858	5708	2600	0.1	0.6235	0.891	1484
859	5746	2600	0.1	0.6235	0.891	1501
860	5799	2600	0.1	0.6235	0.891	1524
861	5757	2600	0.1	0.6235	0.891	1506
862	5941	2600	0.1	0.6235	0.891	1586
863	5790	2600	0.1	0.6235	0.891	1520
864	5707	2600	0.1	0.6235	0.891	1484
865	5750	2600	0.1	0.6235	0.891	1502
866	5764	2600	0.1	0.6235	0.891	1508
867	5664	2600	0.1	0.6235	0.891	1465
868	5694	2600	0.1	0.6235	0.891	1478
869	5841	2600	0.1	0.6235	0.891	1542
870	5719	2600	0.1	0.6235	0.891	1489
871	5740	2600	0.1	0.6235	0.891	1498
872	5662	2600	0.1	0.6235	0.891	1464
873	5817	2600	0.1	0.6235	0.891	1532
874	5833	2600	0.1	0.6235	0.891	1539
875	5683	2600	0.1	0.6235	0.891	1473
876	5836	2600	0.1	0.6235	0.891	1540
877	5727	2600	0.1	0.6235	0.891	1493
878	5900	2600	0.1	0.6235	0.891	1568
879	5650	2600	0.1	0.6235	0.891	1459
880	5861	2600	0.1	0.6235	0.891	1551
881	5822	2600	0.1	0.6235	0.891	1534
882	5890	2600	0.1	0.6235	0.891	1564
883	5798	2600	0.1	0.6235	0.891	1523
884	5571	2600	0.1	0.6235	0.891	1425
885	5690	2600	0.1	0.6235	0.891	1476
886	5825	2600	0.1	0.6235	0.891	1535
887	5624	2600	0.1	0.6235	0.891	1448
888	5715	2600	0.1	0.6235	0.891	1487
889	5875	2600	0.1	0.6235	0.891	1557
890	5781	2600	0.1	0.6235	0.891	1516
891	5778	2600	0.1	0.6235	0.891	1515
892	5792	2600	0.1	0.6235	0.891	1521
893	5859	2600	0.1	0.6235	0.891	1550
894	5953	2600	0.1	0.6235	0.891	1592
895	5753	2600	0.1	0.6235	0.891	1504
896	5764	2600	0.1	0.6235	0.891	1509
897	5770	2600	0.1	0.6235	0.891	1511
898	5839	2600	0.1	0.6235	0.891	1542
899	5873	2600	0.1	0.6235	0.891	1556

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
900	5701	2600	0.1	0.6235	0.891	1481
901	5888	2600	0.1	0.6235	0.891	1563
902	5616	2600	0.1	0.6235	0.891	1445
903	5899	2600	0.1	0.6235	0.891	1568
904	5951	2600	0.1	0.6235	0.891	1591
905	5815	2600	0.1	0.6235	0.891	1531
906	5553	2600	0.1	0.6235	0.891	1418
907	5720	2600	0.1	0.6235	0.891	1490
908	5864	2600	0.1	0.6235	0.891	1553
909	5933	2600	0.1	0.6235	0.891	1583
910	5756	2600	0.1	0.6235	0.891	1505
911	5799	2600	0.1	0.6235	0.891	1524
912	5795	2600	0.1	0.6235	0.891	1522
913	5828	2600	0.1	0.6235	0.891	1536
914	5891	2600	0.1	0.6235	0.891	1564
915	5900	2600	0.1	0.6235	0.891	1568
916	5884	2600	0.1	0.6235	0.891	1561
917	5657	2600	0.1	0.6235	0.891	1462
918	5649	2600	0.1	0.6235	0.891	1459
919	5723	2600	0.1	0.6235	0.891	1491
920	5947	2600	0.1	0.6235	0.891	1589
921	5750	2600	0.1	0.6235	0.891	1503
922	5656	2600	0.1	0.6235	0.891	1462
923	5850	2600	0.1	0.6235	0.891	1546
924	5805	2600	0.1	0.6235	0.891	1526
925	5986	2600	0.1	0.6235	0.891	1607
926	5766	2600	0.1	0.6235	0.891	1509
927	5832	2600	0.1	0.6235	0.891	1538
928	5865	2600	0.1	0.6235	0.891	1553
929	5681	2600	0.1	0.6235	0.891	1473
930	5791	2600	0.1	0.6235	0.891	1520
931	5835	2600	0.1	0.6235	0.891	1540
932	5796	2600	0.1	0.6235	0.891	1523
933	5803	2600	0.1	0.6235	0.891	1526
934	5760	2600	0.1	0.6235	0.891	1507
935	5816	2600	0.1	0.6235	0.891	1531
936	5732	2600	0.1	0.6235	0.891	1495
937	5614	2600	0.1	0.6235	0.891	1444
938	5782	2600	0.1	0.6235	0.891	1516
939	5865	2600	0.1	0.6235	0.891	1553
940	5752	2600	0.1	0.6235	0.891	1503
941	5628	2600	0.1	0.6235	0.891	1450
942	5856	2600	0.1	0.6235	0.891	1549
943	5990	2600	0.1	0.6235	0.891	1608
944	5704	2600	0.1	0.6235	0.891	1482

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
945	5603	2600	0.1	0.6235	0.891	1439
946	5717	2600	0.1	0.6235	0.891	1488
947	5577	2600	0.1	0.6235	0.891	1428
948	5755	2600	0.1	0.6235	0.891	1504
949	5661	2600	0.1	0.6235	0.891	1464
950	5821	2600	0.1	0.6235	0.891	1533
951	5585	2600	0.1	0.6235	0.891	1431
952	5829	2600	0.1	0.6235	0.891	1537
953	5669	2600	0.1	0.6235	0.891	1467
954	5659	2600	0.1	0.6235	0.891	1463
955	5762	2600	0.1	0.6235	0.891	1508
956	5805	2600	0.1	0.6235	0.891	1526
957	5640	2600	0.1	0.6235	0.891	1455
958	5902	2600	0.1	0.6235	0.891	1569
959	5720	2600	0.1	0.6235	0.891	1489
960	5761	2600	0.1	0.6235	0.891	1507
961	5580	2600	0.1	0.6235	0.891	1429
962	5786	2600	0.1	0.6235	0.891	1518
963	5735	2600	0.1	0.6235	0.891	1496
964	5982	2600	0.1	0.6235	0.891	1605
965	5916	2600	0.1	0.6235	0.891	1576
966	5913	2600	0.1	0.6235	0.891	1574
967	5786	2600	0.1	0.6235	0.891	1518
968	5809	2600	0.1	0.6235	0.891	1528
969	5771	2600	0.1	0.6235	0.891	1512
970	5736	2600	0.1	0.6235	0.891	1496
971	5844	2600	0.1	0.6235	0.891	1544
972	5947	2600	0.1	0.6235	0.891	1589
973	5931	2600	0.1	0.6235	0.891	1582
974	5754	2600	0.1	0.6235	0.891	1504
975	5818	2600	0.1	0.6235	0.891	1532
976	5731	2600	0.1	0.6235	0.891	1494
977	5639	2600	0.1	0.6235	0.891	1454
978	5617	2600	0.1	0.6235	0.891	1445
979	5834	2600	0.1	0.6235	0.891	1539
980	5646	2600	0.1	0.6235	0.891	1458
981	5909	2600	0.1	0.6235	0.891	1572
982	5675	2600	0.1	0.6235	0.891	1470
983	6019	2600	0.1	0.6235	0.891	1621
984	5810	2600	0.1	0.6235	0.891	1529
985	5638	2600	0.1	0.6235	0.891	1454
986	5780	2600	0.1	0.6235	0.891	1515
987	5992	2600	0.1	0.6235	0.891	1609
988	5908	2600	0.1	0.6235	0.891	1572
989	5963	2600	0.1	0.6235	0.891	1596

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
990	5734	2600	0.1	0.6235	0.891	1496
991	5821	2600	0.1	0.6235	0.891	1533
992	5705	2600	0.1	0.6235	0.891	1483
993	5737	2600	0.1	0.6235	0.891	1497
994	5692	2600	0.1	0.6235	0.891	1477
995	5843	2600	0.1	0.6235	0.891	1543
996	5736	2600	0.1	0.6235	0.891	1496
997	5712	2600	0.1	0.6235	0.891	1486
998	5763	2600	0.1	0.6235	0.891	1508
999	5789	2600	0.1	0.6235	0.891	1520
1000	5623	2600	0.1	0.6235	0.891	1447
1001	5758	2600	0.1	0.6235	0.891	1506
1002	5659	2600	0.1	0.6235	0.891	1463
1003	5829	2600	0.1	0.6235	0.891	1537
1004	5911	2600	0.1	0.6235	0.891	1573
1005	5669	2600	0.1	0.6235	0.891	1467
1006	5747	2600	0.1	0.6235	0.891	1501
1007	5860	2600	0.1	0.6235	0.891	1551
1008	5921	2600	0.1	0.6235	0.891	1578
1009	5739	2600	0.1	0.6235	0.891	1498
1010	5636	2600	0.1	0.6235	0.891	1453
1011	5795	2600	0.1	0.6235	0.891	1522
1012	5824	2600	0.1	0.6235	0.891	1535
1013	5710	2600	0.1	0.6235	0.891	1485
1014	5812	2600	0.1	0.6235	0.891	1530
1015	5783	2600	0.1	0.6235	0.891	1517
1016	6018	2600	0.1	0.6235	0.891	1621
1017	5833	2600	0.1	0.6235	0.891	1539
1018	5968	2600	0.1	0.6235	0.891	1598
1019	5803	2600	0.1	0.6235	0.891	1526
1020	5744	2600	0.1	0.6235	0.891	1500
1021	5773	2600	0.1	0.6235	0.891	1513
1022	5954	2600	0.1	0.6235	0.891	1592
1023	5723	2600	0.1	0.6235	0.891	1491
1024	5763	2600	0.1	0.6235	0.891	1508
1025	5551	2600	0.1	0.6235	0.891	1417
1026	5781	2600	0.1	0.6235	0.891	1516
1027	5643	2600	0.1	0.6235	0.891	1456
1028	5931	2600	0.1	0.6235	0.891	1582
1029	5918	2600	0.1	0.6235	0.891	1576
1030	5771	2600	0.1	0.6235	0.891	1512
1031	5873	2600	0.1	0.6235	0.891	1557
1032	5672	2600	0.1	0.6235	0.891	1468
1033	5725	2600	0.1	0.6235	0.891	1491
1034	5778	2600	0.1	0.6235	0.891	1515

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1035	5794	2600	0.1	0.6235	0.891	1521
1036	5822	2600	0.1	0.6235	0.891	1534
1037	5815	2600	0.1	0.6235	0.891	1531
1038	5746	2600	0.1	0.6235	0.891	1501
1039	5906	2600	0.1	0.6235	0.891	1571
1040	5804	2600	0.1	0.6235	0.891	1526
1041	5626	2600	0.1	0.6235	0.891	1449
1042	5776	2600	0.1	0.6235	0.891	1514
1043	5813	2600	0.1	0.6235	0.891	1530
1044	5706	2600	0.1	0.6235	0.891	1484
1045	5815	2600	0.1	0.6235	0.891	1531
1046	5863	2600	0.1	0.6235	0.891	1552
1047	5796	2600	0.1	0.6235	0.891	1523
1048	5763	2600	0.1	0.6235	0.891	1508
1049	6013	2600	0.1	0.6235	0.891	1619
1050	5797	2600	0.1	0.6235	0.891	1523
1051	5853	2600	0.1	0.6235	0.891	1547
1052	5637	2600	0.1	0.6235	0.891	1453
1053	5838	2600	0.1	0.6235	0.891	1541
1054	5827	2600	0.1	0.6235	0.891	1536
1055	5785	2600	0.1	0.6235	0.891	1517
1056	5663	2600	0.1	0.6235	0.891	1465
1057	5765	2600	0.1	0.6235	0.891	1509
1058	5991	2600	0.1	0.6235	0.891	1609
1059	5749	2600	0.1	0.6235	0.891	1502
1060	5718	2600	0.1	0.6235	0.891	1489
1061	5822	2600	0.1	0.6235	0.891	1534
1062	5800	2600	0.1	0.6235	0.891	1524
1063	5653	2600	0.1	0.6235	0.891	1460
1064	5763	2600	0.1	0.6235	0.891	1508
1065	5825	2600	0.1	0.6235	0.891	1535
1066	5810	2600	0.1	0.6235	0.891	1529
1067	5772	2600	0.1	0.6235	0.891	1512
1068	5649	2600	0.1	0.6235	0.891	1459
1069	5689	2600	0.1	0.6235	0.891	1476
1070	5652	2600	0.1	0.6235	0.891	1460
1071	5778	2600	0.1	0.6235	0.891	1515
1072	5771	2600	0.1	0.6235	0.891	1511
1073	5827	2600	0.1	0.6235	0.891	1536
1074	5875	2600	0.1	0.6235	0.891	1557
1075	5751	2600	0.1	0.6235	0.891	1503
1076	5697	2600	0.1	0.6235	0.891	1479
1077	5612	2600	0.1	0.6235	0.891	1443
1078	5615	2600	0.1	0.6235	0.891	1444
1079	5683	2600	0.1	0.6235	0.891	1473

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1080	5757	2600	0.1	0.6235	0.891	1505
1081	5746	2600	0.1	0.6235	0.891	1501
1082	5900	2600	0.1	0.6235	0.891	1568
1083	5989	2600	0.1	0.6235	0.891	1608
1084	5850	2600	0.1	0.6235	0.891	1546
1085	5574	2600	0.1	0.6235	0.891	1427
1086	5735	2600	0.1	0.6235	0.891	1496
1087	5779	2600	0.1	0.6235	0.891	1515
1088	5892	2600	0.1	0.6235	0.891	1565
1089	5816	2600	0.1	0.6235	0.891	1531
1090	5759	2600	0.1	0.6235	0.891	1506
1091	5799	2600	0.1	0.6235	0.891	1524
1092	5857	2600	0.1	0.6235	0.891	1549
1093	5594	2600	0.1	0.6235	0.891	1435
1094	5558	2600	0.1	0.6235	0.891	1420
1095	5785	2600	0.1	0.6235	0.891	1518
1096	5865	2600	0.1	0.6235	0.891	1553
1097	5806	2600	0.1	0.6235	0.891	1527
1098	5855	2600	0.1	0.6235	0.891	1548
1099	5670	2600	0.1	0.6235	0.891	1468
1100	5886	2600	0.1	0.6235	0.891	1562
1101	5738	2600	0.1	0.6235	0.891	1497
1102	5793	2600	0.1	0.6235	0.891	1521
1103	5627	2600	0.1	0.6235	0.891	1449
1104	5887	2600	0.1	0.6235	0.891	1563
1105	5774	2600	0.1	0.6235	0.891	1513
1106	5787	2600	0.1	0.6235	0.891	1519
1107	5741	2600	0.1	0.6235	0.891	1499
1108	5858	2600	0.1	0.6235	0.891	1550
1109	5643	2600	0.1	0.6235	0.891	1456
1110	5719	2600	0.1	0.6235	0.891	1489
1111	5799	2600	0.1	0.6235	0.891	1524
1112	5833	2600	0.1	0.6235	0.891	1539
1113	5864	2600	0.1	0.6235	0.891	1553
1114	5912	2600	0.1	0.6235	0.891	1574
1115	5887	2600	0.1	0.6235	0.891	1563
1116	5696	2600	0.1	0.6235	0.891	1479
1117	5767	2600	0.1	0.6235	0.891	1510
1118	5769	2600	0.1	0.6235	0.891	1511
1119	5570	2600	0.1	0.6235	0.891	1425
1120	5651	2600	0.1	0.6235	0.891	1459
1121	5893	2600	0.1	0.6235	0.891	1565
1122	5555	2600	0.1	0.6235	0.891	1419
1123	5828	2600	0.1	0.6235	0.891	1536
1124	5806	2600	0.1	0.6235	0.891	1527

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1125	5769	2600	0.1	0.6235	0.891	1511
1126	5730	2600	0.1	0.6235	0.891	1494
1127	5769	2600	0.1	0.6235	0.891	1511
1128	5665	2600	0.1	0.6235	0.891	1465
1129	5767	2600	0.1	0.6235	0.891	1510
1130	5889	2600	0.1	0.6235	0.891	1563
1131	5835	2600	0.1	0.6235	0.891	1540
1132	5710	2600	0.1	0.6235	0.891	1485
1133	5835	2600	0.1	0.6235	0.891	1540
1134	5888	2600	0.1	0.6235	0.891	1563
1135	5946	2600	0.1	0.6235	0.891	1589
1136	5669	2600	0.1	0.6235	0.891	1467
1137	5909	2600	0.1	0.6235	0.891	1572
1138	5767	2600	0.1	0.6235	0.891	1510
1139	5871	2600	0.1	0.6235	0.891	1555
1140	5817	2600	0.1	0.6235	0.891	1532
1141	5717	2600	0.1	0.6235	0.891	1488
1142	5849	2600	0.1	0.6235	0.891	1546
1143	5846	2600	0.1	0.6235	0.891	1544
1144	5795	2600	0.1	0.6235	0.891	1522
1145	5796	2600	0.1	0.6235	0.891	1523
1146	5772	2600	0.1	0.6235	0.891	1512
1147	5715	2600	0.1	0.6235	0.891	1487
1148	5665	2600	0.1	0.6235	0.891	1466
1149	5739	2600	0.1	0.6235	0.891	1498
1150	5780	2600	0.1	0.6235	0.891	1515
1151	5908	2600	0.1	0.6235	0.891	1572
1152	5780	2600	0.1	0.6235	0.891	1515
1153	5888	2600	0.1	0.6235	0.891	1563
1154	5982	2600	0.1	0.6235	0.891	1605
1155	5859	2600	0.1	0.6235	0.891	1550
1156	5871	2600	0.1	0.6235	0.891	1556
1157	6004	2600	0.1	0.6235	0.891	1615
1158	5708	2600	0.1	0.6235	0.891	1484
1159	5878	2600	0.1	0.6235	0.891	1559
1160	5788	2600	0.1	0.6235	0.891	1519
1161	5762	2600	0.1	0.6235	0.891	1508
1162	5807	2600	0.1	0.6235	0.891	1527
1163	5822	2600	0.1	0.6235	0.891	1534
1164	5681	2600	0.1	0.6235	0.891	1473
1165	5947	2600	0.1	0.6235	0.891	1589
1166	5740	2600	0.1	0.6235	0.891	1498
1167	5847	2600	0.1	0.6235	0.891	1545
1168	5545	2600	0.1	0.6235	0.891	1414
1169	5719	2600	0.1	0.6235	0.891	1489

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1170	5750	2600	0.1	0.6235	0.891	1503
1171	5686	2600	0.1	0.6235	0.891	1475
1172	5800	2600	0.1	0.6235	0.891	1524
1173	5848	2600	0.1	0.6235	0.891	1545
1174	5741	2600	0.1	0.6235	0.891	1498
1175	5842	2600	0.1	0.6235	0.891	1543
1176	5708	2600	0.1	0.6235	0.891	1484
1177	5751	2600	0.1	0.6235	0.891	1503
1178	5899	2600	0.1	0.6235	0.891	1568
1179	5777	2600	0.1	0.6235	0.891	1514
1180	5766	2600	0.1	0.6235	0.891	1509
1181	5862	2600	0.1	0.6235	0.891	1552
1182	5648	2600	0.1	0.6235	0.891	1458
1183	5742	2600	0.1	0.6235	0.891	1499
1184	5822	2600	0.1	0.6235	0.891	1534
1185	5721	2600	0.1	0.6235	0.891	1490
1186	5785	2600	0.1	0.6235	0.891	1518
1187	5670	2600	0.1	0.6235	0.891	1468
1188	5839	2600	0.1	0.6235	0.891	1542
1189	5770	2600	0.1	0.6235	0.891	1511
1190	5889	2600	0.1	0.6235	0.891	1564
1191	5743	2600	0.1	0.6235	0.891	1500
1192	5603	2600	0.1	0.6235	0.891	1439
1193	5782	2600	0.1	0.6235	0.891	1516
1194	5810	2600	0.1	0.6235	0.891	1529
1195	5761	2600	0.1	0.6235	0.891	1507
1196	5772	2600	0.1	0.6235	0.891	1512
1197	5649	2600	0.1	0.6235	0.891	1459
1198	5856	2600	0.1	0.6235	0.891	1549
1199	5906	2600	0.1	0.6235	0.891	1571
1200	5608	2600	0.1	0.6235	0.891	1441
1201	5810	2600	0.1	0.6235	0.891	1529
1202	5801	2600	0.1	0.6235	0.891	1525
1203	5834	2600	0.1	0.6235	0.891	1539
1204	5748	2600	0.1	0.6235	0.891	1501
1205	5736	2600	0.1	0.6235	0.891	1496
1206	5831	2600	0.1	0.6235	0.891	1538
1207	5975	2600	0.1	0.6235	0.891	1602
1208	5900	2600	0.1	0.6235	0.891	1568
1209	5834	2600	0.1	0.6235	0.891	1539
1210	5734	2600	0.1	0.6235	0.891	1495
1211	5663	2600	0.1	0.6235	0.891	1465
1212	5779	2600	0.1	0.6235	0.891	1515
1213	5847	2600	0.1	0.6235	0.891	1545
1214	5877	2600	0.1	0.6235	0.891	1558

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1215	5750	2600	0.1	0.6235	0.891	1502
1216	5838	2600	0.1	0.6235	0.891	1541
1217	5905	2600	0.1	0.6235	0.891	1571
1218	5773	2600	0.1	0.6235	0.891	1512
1219	5782	2600	0.1	0.6235	0.891	1516
1220	5697	2600	0.1	0.6235	0.891	1480
1221	5698	2600	0.1	0.6235	0.891	1480
1222	5775	2600	0.1	0.6235	0.891	1513
1223	5679	2600	0.1	0.6235	0.891	1472
1224	5798	2600	0.1	0.6235	0.891	1523
1225	5705	2600	0.1	0.6235	0.891	1483
1226	5895	2600	0.1	0.6235	0.891	1566
1227	5655	2600	0.1	0.6235	0.891	1462
1228	5818	2600	0.1	0.6235	0.891	1532
1229	5852	2600	0.1	0.6235	0.891	1547
1230	5848	2600	0.1	0.6235	0.891	1545
1231	5687	2600	0.1	0.6235	0.891	1475
1232	5945	2600	0.1	0.6235	0.891	1588
1233	5686	2600	0.1	0.6235	0.891	1475
1234	5734	2600	0.1	0.6235	0.891	1496
1235	5721	2600	0.1	0.6235	0.891	1490
1236	5568	2600	0.1	0.6235	0.891	1424
1237	5862	2600	0.1	0.6235	0.891	1552
1238	5674	2600	0.1	0.6235	0.891	1470
1239	5873	2600	0.1	0.6235	0.891	1556
1240	5823	2600	0.1	0.6235	0.891	1535
1241	5779	2600	0.1	0.6235	0.891	1515
1242	5599	2600	0.1	0.6235	0.891	1437
1243	5656	2600	0.1	0.6235	0.891	1461
1244	5883	2600	0.1	0.6235	0.891	1561
1245	5944	2600	0.1	0.6235	0.891	1588
1246	5812	2600	0.1	0.6235	0.891	1530
1247	5864	2600	0.1	0.6235	0.891	1552
1248	5760	2600	0.1	0.6235	0.891	1507
1249	5885	2600	0.1	0.6235	0.891	1562
1250	5898	2600	0.1	0.6235	0.891	1568
1251	5639	2600	0.1	0.6235	0.891	1454
1252	6054	2600	0.1	0.6235	0.891	1637
1253	5821	2600	0.1	0.6235	0.891	1533
1254	5693	2600	0.1	0.6235	0.891	1477
1255	5647	2600	0.1	0.6235	0.891	1458
1256	5716	2600	0.1	0.6235	0.891	1488
1257	5878	2600	0.1	0.6235	0.891	1558
1258	5904	2600	0.1	0.6235	0.891	1570
1259	5809	2600	0.1	0.6235	0.891	1528

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1260	5757	2600	0.1	0.6235	0.891	1506
1261	5715	2600	0.1	0.6235	0.891	1487
1262	5802	2600	0.1	0.6235	0.891	1525
1263	5865	2600	0.1	0.6235	0.891	1553
1264	5847	2600	0.1	0.6235	0.891	1545
1265	5749	2600	0.1	0.6235	0.891	1502
1266	5747	2600	0.1	0.6235	0.891	1501
1267	5681	2600	0.1	0.6235	0.891	1472
1268	5856	2600	0.1	0.6235	0.891	1549
1269	5652	2600	0.1	0.6235	0.891	1460
1270	5804	2600	0.1	0.6235	0.891	1526
1271	5891	2600	0.1	0.6235	0.891	1565
1272	5680	2600	0.1	0.6235	0.891	1472
1273	5735	2600	0.1	0.6235	0.891	1496
1274	5831	2600	0.1	0.6235	0.891	1538
1275	5826	2600	0.1	0.6235	0.891	1536
1276	5673	2600	0.1	0.6235	0.891	1469
1277	5720	2600	0.1	0.6235	0.891	1489
1278	5797	2600	0.1	0.6235	0.891	1523
1279	5727	2600	0.1	0.6235	0.891	1492
1280	5849	2600	0.1	0.6235	0.891	1546
1281	5818	2600	0.1	0.6235	0.891	1532
1282	5814	2600	0.1	0.6235	0.891	1530
1283	5678	2600	0.1	0.6235	0.891	1471
1284	5638	2600	0.1	0.6235	0.891	1454
1285	5744	2600	0.1	0.6235	0.891	1500
1286	5683	2600	0.1	0.6235	0.891	1473
1287	5799	2600	0.1	0.6235	0.891	1524
1288	5798	2600	0.1	0.6235	0.891	1524
1289	5688	2600	0.1	0.6235	0.891	1475
1290	5671	2600	0.1	0.6235	0.891	1468
1291	5783	2600	0.1	0.6235	0.891	1517
1292	6039	2600	0.1	0.6235	0.891	1631
1293	5932	2600	0.1	0.6235	0.891	1583
1294	5624	2600	0.1	0.6235	0.891	1448
1295	5682	2600	0.1	0.6235	0.891	1473
1296	5883	2600	0.1	0.6235	0.891	1561
1297	5725	2600	0.1	0.6235	0.891	1492
1298	5591	2600	0.1	0.6235	0.891	1434
1299	5707	2600	0.1	0.6235	0.891	1484
1300	5654	2600	0.1	0.6235	0.891	1461
1301	5805	2600	0.1	0.6235	0.891	1527
1302	5675	2600	0.1	0.6235	0.891	1470
1303	5791	2600	0.1	0.6235	0.891	1520
1304	5836	2600	0.1	0.6235	0.891	1540

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1305	5783	2600	0.1	0.6235	0.891	1517
1306	5976	2600	0.1	0.6235	0.891	1602
1307	5694	2600	0.1	0.6235	0.891	1478
1308	5819	2600	0.1	0.6235	0.891	1532
1309	5734	2600	0.1	0.6235	0.891	1495
1310	5876	2600	0.1	0.6235	0.891	1558
1311	5667	2600	0.1	0.6235	0.891	1466
1312	5844	2600	0.1	0.6235	0.891	1544
1313	5933	2600	0.1	0.6235	0.891	1583
1314	5844	2600	0.1	0.6235	0.891	1543
1315	5755	2600	0.1	0.6235	0.891	1505
1316	5801	2600	0.1	0.6235	0.891	1525
1317	5625	2600	0.1	0.6235	0.891	1449
1318	5759	2600	0.1	0.6235	0.891	1506
1319	5738	2600	0.1	0.6235	0.891	1497
1320	5585	2600	0.1	0.6235	0.891	1431
1321	5850	2600	0.1	0.6235	0.891	1546
1322	5830	2600	0.1	0.6235	0.891	1537
1323	5664	2600	0.1	0.6235	0.891	1465
1324	5756	2600	0.1	0.6235	0.891	1505
1325	5860	2600	0.1	0.6235	0.891	1551
1326	5911	2600	0.1	0.6235	0.891	1573
1327	5817	2600	0.1	0.6235	0.891	1532
1328	5915	2600	0.1	0.6235	0.891	1575
1329	5745	2600	0.1	0.6235	0.891	1500
1330	5887	2600	0.1	0.6235	0.891	1562
1331	5646	2600	0.1	0.6235	0.891	1457
1332	5931	2600	0.1	0.6235	0.891	1582
1333	6028	2600	0.1	0.6235	0.891	1625
1334	5745	2600	0.1	0.6235	0.891	1500
1335	5950	2600	0.1	0.6235	0.891	1591
1336	5736	2600	0.1	0.6235	0.891	1496
1337	5825	2600	0.1	0.6235	0.891	1535
1338	5684	2600	0.1	0.6235	0.891	1474
1339	5804	2600	0.1	0.6235	0.891	1526
1340	5778	2600	0.1	0.6235	0.891	1515
1341	5685	2600	0.1	0.6235	0.891	1474
1342	5920	2600	0.1	0.6235	0.891	1577
1343	5806	2600	0.1	0.6235	0.891	1527
1344	5835	2600	0.1	0.6235	0.891	1539
1345	5673	2600	0.1	0.6235	0.891	1469
1346	5910	2600	0.1	0.6235	0.891	1573
1347	5666	2600	0.1	0.6235	0.891	1466
1348	5657	2600	0.1	0.6235	0.891	1462
1349	5798	2600	0.1	0.6235	0.891	1523

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1350	5597	2600	0.1	0.6235	0.891	1436
1351	5667	2600	0.1	0.6235	0.891	1467
1352	5925	2600	0.1	0.6235	0.891	1580
1353	5797	2600	0.1	0.6235	0.891	1523
1354	5970	2600	0.1	0.6235	0.891	1600
1355	5884	2600	0.1	0.6235	0.891	1561
1356	5711	2600	0.1	0.6235	0.891	1485
1357	5837	2600	0.1	0.6235	0.891	1540
1358	5780	2600	0.1	0.6235	0.891	1515
1359	5826	2600	0.1	0.6235	0.891	1535
1360	5610	2600	0.1	0.6235	0.891	1442
1361	5923	2600	0.1	0.6235	0.891	1579
1362	5823	2600	0.1	0.6235	0.891	1534
1363	5750	2600	0.1	0.6235	0.891	1503
1364	5883	2600	0.1	0.6235	0.891	1561
1365	5755	2600	0.1	0.6235	0.891	1505
1366	5832	2600	0.1	0.6235	0.891	1538
1367	5781	2600	0.1	0.6235	0.891	1516
1368	5939	2600	0.1	0.6235	0.891	1586
1369	5812	2600	0.1	0.6235	0.891	1529
1370	5770	2600	0.1	0.6235	0.891	1511
1371	5792	2600	0.1	0.6235	0.891	1521
1372	5955	2600	0.1	0.6235	0.891	1593
1373	5701	2600	0.1	0.6235	0.891	1481
1374	5695	2600	0.1	0.6235	0.891	1478
1375	5733	2600	0.1	0.6235	0.891	1495
1376	5859	2600	0.1	0.6235	0.891	1550
1377	6049	2600	0.1	0.6235	0.891	1635
1378	5761	2600	0.1	0.6235	0.891	1507
1379	5717	2600	0.1	0.6235	0.891	1488
1380	5711	2600	0.1	0.6235	0.891	1486
1381	5655	2600	0.1	0.6235	0.891	1461
1382	5894	2600	0.1	0.6235	0.891	1566
1383	5796	2600	0.1	0.6235	0.891	1523
1384	5973	2600	0.1	0.6235	0.891	1601
1385	5707	2600	0.1	0.6235	0.891	1484
1386	5805	2600	0.1	0.6235	0.891	1526
1387	5832	2600	0.1	0.6235	0.891	1538
1388	5823	2600	0.1	0.6235	0.891	1534
1389	5830	2600	0.1	0.6235	0.891	1538
1390	5922	2600	0.1	0.6235	0.891	1578
1391	5876	2600	0.1	0.6235	0.891	1558
1392	5768	2600	0.1	0.6235	0.891	1510
1393	5811	2600	0.1	0.6235	0.891	1529
1394	5772	2600	0.1	0.6235	0.891	1512

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1395	5838	2600	0.1	0.6235	0.891	1541
1396	5837	2600	0.1	0.6235	0.891	1541
1397	5777	2600	0.1	0.6235	0.891	1514
1398	5785	2600	0.1	0.6235	0.891	1518
1399	5874	2600	0.1	0.6235	0.891	1557
1400	5824	2600	0.1	0.6235	0.891	1535
1401	5765	2600	0.1	0.6235	0.891	1509
1402	5723	2600	0.1	0.6235	0.891	1491
1403	5762	2600	0.1	0.6235	0.891	1507
1404	5821	2600	0.1	0.6235	0.891	1533
1405	5894	2600	0.1	0.6235	0.891	1565
1406	5752	2600	0.1	0.6235	0.891	1503
1407	5722	2600	0.1	0.6235	0.891	1490
1408	6072	2600	0.1	0.6235	0.891	1645
1409	5808	2600	0.1	0.6235	0.891	1528
1410	5843	2600	0.1	0.6235	0.891	1543
1411	5794	2600	0.1	0.6235	0.891	1522
1412	5809	2600	0.1	0.6235	0.891	1528
1413	5773	2600	0.1	0.6235	0.891	1512
1414	5827	2600	0.1	0.6235	0.891	1536
1415	5959	2600	0.1	0.6235	0.891	1595
1416	5898	2600	0.1	0.6235	0.891	1567
1417	5709	2600	0.1	0.6235	0.891	1485
1418	5717	2600	0.1	0.6235	0.891	1488
1419	5770	2600	0.1	0.6235	0.891	1511
1420	5690	2600	0.1	0.6235	0.891	1476
1421	5934	2600	0.1	0.6235	0.891	1583
1422	5798	2600	0.1	0.6235	0.891	1523
1423	5705	2600	0.1	0.6235	0.891	1483
1424	5814	2600	0.1	0.6235	0.891	1530
1425	5839	2600	0.1	0.6235	0.891	1541
1426	5702	2600	0.1	0.6235	0.891	1482
1427	5996	2600	0.1	0.6235	0.891	1611
1428	5731	2600	0.1	0.6235	0.891	1494
1429	5940	2600	0.1	0.6235	0.891	1586
1430	5629	2600	0.1	0.6235	0.891	1450
1431	5793	2600	0.1	0.6235	0.891	1521
1432	5863	2600	0.1	0.6235	0.891	1552
1433	5692	2600	0.1	0.6235	0.891	1477
1434	5747	2600	0.1	0.6235	0.891	1501
1435	6000	2600	0.1	0.6235	0.891	1613
1436	5927	2600	0.1	0.6235	0.891	1580
1437	5820	2600	0.1	0.6235	0.891	1533
1438	5808	2600	0.1	0.6235	0.891	1528
1439	5675	2600	0.1	0.6235	0.891	1470

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1440	5774	2600	0.1	0.6235	0.891	1513
1441	5762	2600	0.1	0.6235	0.891	1508
1442	5809	2600	0.1	0.6235	0.891	1528
1443	5750	2600	0.1	0.6235	0.891	1502
1444	5749	2600	0.1	0.6235	0.891	1502
1445	5805	2600	0.1	0.6235	0.891	1526
1446	5808	2600	0.1	0.6235	0.891	1528
1447	5841	2600	0.1	0.6235	0.891	1542
1448	5940	2600	0.1	0.6235	0.891	1586
1449	5858	2600	0.1	0.6235	0.891	1550
1450	5963	2600	0.1	0.6235	0.891	1596
1451	5753	2600	0.1	0.6235	0.891	1504
1452	5651	2600	0.1	0.6235	0.891	1460
1453	5733	2600	0.1	0.6235	0.891	1495
1454	5821	2600	0.1	0.6235	0.891	1533
1455	5824	2600	0.1	0.6235	0.891	1535
1456	5779	2600	0.1	0.6235	0.891	1515
1457	5801	2600	0.1	0.6235	0.891	1525
1458	5885	2600	0.1	0.6235	0.891	1562
1459	5851	2600	0.1	0.6235	0.891	1547
1460	5820	2600	0.1	0.6235	0.891	1533
1461	5767	2600	0.1	0.6235	0.891	1510
1462	5781	2600	0.1	0.6235	0.891	1516
1463	5755	2600	0.1	0.6235	0.891	1505
1464	5731	2600	0.1	0.6235	0.891	1494
1465	5823	2600	0.1	0.6235	0.891	1534
1466	5660	2600	0.1	0.6235	0.891	1464
1467	5870	2600	0.1	0.6235	0.891	1555
1468	5875	2600	0.1	0.6235	0.891	1557
1469	5519	2600	0.1	0.6235	0.891	1403
1470	5788	2600	0.1	0.6235	0.891	1519
1471	5711	2600	0.1	0.6235	0.891	1486
1472	5969	2600	0.1	0.6235	0.891	1599
1473	5869	2600	0.1	0.6235	0.891	1554
1474	5775	2600	0.1	0.6235	0.891	1513
1475	5916	2600	0.1	0.6235	0.891	1575
1476	5843	2600	0.1	0.6235	0.891	1543
1477	5771	2600	0.1	0.6235	0.891	1512
1478	5695	2600	0.1	0.6235	0.891	1478
1479	5840	2600	0.1	0.6235	0.891	1542
1480	5790	2600	0.1	0.6235	0.891	1520
1481	5768	2600	0.1	0.6235	0.891	1510
1482	5766	2600	0.1	0.6235	0.891	1510
1483	5866	2600	0.1	0.6235	0.891	1553
1484	5973	2600	0.1	0.6235	0.891	1601

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1485	5952	2600	0.1	0.6235	0.891	1592
1486	5739	2600	0.1	0.6235	0.891	1498
1487	5941	2600	0.1	0.6235	0.891	1587
1488	5724	2600	0.1	0.6235	0.891	1491
1489	5627	2600	0.1	0.6235	0.891	1449
1490	5762	2600	0.1	0.6235	0.891	1508
1491	5829	2600	0.1	0.6235	0.891	1537
1492	5702	2600	0.1	0.6235	0.891	1481
1493	5757	2600	0.1	0.6235	0.891	1505
1494	5712	2600	0.1	0.6235	0.891	1486
1495	5949	2600	0.1	0.6235	0.891	1590
1496	5729	2600	0.1	0.6235	0.891	1493
1497	5679	2600	0.1	0.6235	0.891	1472
1498	5699	2600	0.1	0.6235	0.891	1480
1499	5811	2600	0.1	0.6235	0.891	1529
1500	5912	2600	0.1	0.6235	0.891	1574
1501	5786	2600	0.1	0.6235	0.891	1518
1502	5929	2600	0.1	0.6235	0.891	1581
1503	5754	2600	0.1	0.6235	0.891	1504
1504	5999	2600	0.1	0.6235	0.891	1612
1505	5896	2600	0.1	0.6235	0.891	1566
1506	5677	2600	0.1	0.6235	0.891	1471
1507	5754	2600	0.1	0.6235	0.891	1504
1508	5889	2600	0.1	0.6235	0.891	1564
1509	5881	2600	0.1	0.6235	0.891	1560
1510	5691	2600	0.1	0.6235	0.891	1477
1511	5641	2600	0.1	0.6235	0.891	1455
1512	5777	2600	0.1	0.6235	0.891	1514
1513	5857	2600	0.1	0.6235	0.891	1549
1514	5807	2600	0.1	0.6235	0.891	1527
1515	5680	2600	0.1	0.6235	0.891	1472
1516	5719	2600	0.1	0.6235	0.891	1489
1517	5704	2600	0.1	0.6235	0.891	1483
1518	5814	2600	0.1	0.6235	0.891	1531
1519	5674	2600	0.1	0.6235	0.891	1469
1520	5871	2600	0.1	0.6235	0.891	1555
1521	6027	2600	0.1	0.6235	0.891	1625
1522	5904	2600	0.1	0.6235	0.891	1570
1523	5731	2600	0.1	0.6235	0.891	1494
1524	5882	2600	0.1	0.6235	0.891	1560
1525	5726	2600	0.1	0.6235	0.891	1492
1526	5867	2600	0.1	0.6235	0.891	1554
1527	5842	2600	0.1	0.6235	0.891	1543
1528	5901	2600	0.1	0.6235	0.891	1569
1529	5732	2600	0.1	0.6235	0.891	1495

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1530	5902	2600	0.1	0.6235	0.891	1569
1531	5631	2600	0.1	0.6235	0.891	1451
1532	6006	2600	0.1	0.6235	0.891	1615
1533	5744	2600	0.1	0.6235	0.891	1500
1534	5729	2600	0.1	0.6235	0.891	1493
1535	5737	2600	0.1	0.6235	0.891	1497
1536	5733	2600	0.1	0.6235	0.891	1495
1537	5760	2600	0.1	0.6235	0.891	1507
1538	5910	2600	0.1	0.6235	0.891	1573
1539	6010	2600	0.1	0.6235	0.891	1617
1540	5920	2600	0.1	0.6235	0.891	1577
1541	5879	2600	0.1	0.6235	0.891	1559
1542	5701	2600	0.1	0.6235	0.891	1481
1543	5875	2600	0.1	0.6235	0.891	1558
1544	5829	2600	0.1	0.6235	0.891	1537
1545	5752	2600	0.1	0.6235	0.891	1503
1546	5869	2600	0.1	0.6235	0.891	1554
1547	5944	2600	0.1	0.6235	0.891	1588
1548	5802	2600	0.1	0.6235	0.891	1525
1549	6033	2600	0.1	0.6235	0.891	1628
1550	5929	2600	0.1	0.6235	0.891	1581
1551	5926	2600	0.1	0.6235	0.891	1580
1552	5784	2600	0.1	0.6235	0.891	1517
1553	5794	2600	0.1	0.6235	0.891	1522
1554	5820	2600	0.1	0.6235	0.891	1533
1555	5786	2600	0.1	0.6235	0.891	1518
1556	5764	2600	0.1	0.6235	0.891	1508
1557	5831	2600	0.1	0.6235	0.891	1538
1558	5683	2600	0.1	0.6235	0.891	1473
1559	5727	2600	0.1	0.6235	0.891	1492
1560	5815	2600	0.1	0.6235	0.891	1531
1561	5661	2600	0.1	0.6235	0.891	1464
1562	5724	2600	0.1	0.6235	0.891	1491
1563	5742	2600	0.1	0.6235	0.891	1499
1564	5871	2600	0.1	0.6235	0.891	1556
1565	5803	2600	0.1	0.6235	0.891	1526
1566	5873	2600	0.1	0.6235	0.891	1556
1567	5710	2600	0.1	0.6235	0.891	1485
1568	5716	2600	0.1	0.6235	0.891	1488
1569	5734	2600	0.1	0.6235	0.891	1496
1570	5791	2600	0.1	0.6235	0.891	1520
1571	5713	2600	0.1	0.6235	0.891	1486
1572	5856	2600	0.1	0.6235	0.891	1549
1573	5759	2600	0.1	0.6235	0.891	1507
1574	5671	2600	0.1	0.6235	0.891	1468

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1575	5983	2600	0.1	0.6235	0.891	1605
1576	5657	2600	0.1	0.6235	0.891	1462
1577	5835	2600	0.1	0.6235	0.891	1540
1578	5685	2600	0.1	0.6235	0.891	1475
1579	5720	2600	0.1	0.6235	0.891	1489
1580	5884	2600	0.1	0.6235	0.891	1561
1581	5924	2600	0.1	0.6235	0.891	1579
1582	5604	2600	0.1	0.6235	0.891	1440
1583	5880	2600	0.1	0.6235	0.891	1559
1584	5791	2600	0.1	0.6235	0.891	1520
1585	5775	2600	0.1	0.6235	0.891	1513
1586	5914	2600	0.1	0.6235	0.891	1575
1587	5764	2600	0.1	0.6235	0.891	1508
1588	5696	2600	0.1	0.6235	0.891	1479
1589	5872	2600	0.1	0.6235	0.891	1556
1590	5990	2600	0.1	0.6235	0.891	1608
1591	5853	2600	0.1	0.6235	0.891	1548
1592	5758	2600	0.1	0.6235	0.891	1506
1593	5756	2600	0.1	0.6235	0.891	1505
1594	5839	2600	0.1	0.6235	0.891	1542
1595	5937	2600	0.1	0.6235	0.891	1585
1596	5619	2600	0.1	0.6235	0.891	1446
1597	5705	2600	0.1	0.6235	0.891	1483
1598	5608	2600	0.1	0.6235	0.891	1441
1599	5733	2600	0.1	0.6235	0.891	1495
1600	5602	2600	0.1	0.6235	0.891	1439
1601	5488	2600	0.1	0.6235	0.891	1390
1602	5957	2600	0.1	0.6235	0.891	1594
1603	5729	2600	0.1	0.6235	0.891	1493
1604	5936	2600	0.1	0.6235	0.891	1584
1605	5649	2600	0.1	0.6235	0.891	1459
1606	5993	2600	0.1	0.6235	0.891	1610
1607	5952	2600	0.1	0.6235	0.891	1591
1608	5838	2600	0.1	0.6235	0.891	1541
1609	5654	2600	0.1	0.6235	0.891	1461
1610	5872	2600	0.1	0.6235	0.891	1556
1611	5660	2600	0.1	0.6235	0.891	1463
1612	5839	2600	0.1	0.6235	0.891	1541
1613	5935	2600	0.1	0.6235	0.891	1584
1614	5640	2600	0.1	0.6235	0.891	1455
1615	5668	2600	0.1	0.6235	0.891	1467
1616	5880	2600	0.1	0.6235	0.891	1560
1617	5716	2600	0.1	0.6235	0.891	1488
1618	5779	2600	0.1	0.6235	0.891	1515
1619	5589	2600	0.1	0.6235	0.891	1433

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1620	5979	2600	0.1	0.6235	0.891	1603
1621	5816	2600	0.1	0.6235	0.891	1531
1622	5751	2600	0.1	0.6235	0.891	1503
1623	5735	2600	0.1	0.6235	0.891	1496
1624	5744	2600	0.1	0.6235	0.891	1500
1625	5817	2600	0.1	0.6235	0.891	1532
1626	5630	2600	0.1	0.6235	0.891	1450
1627	5808	2600	0.1	0.6235	0.891	1528
1628	5788	2600	0.1	0.6235	0.891	1519
1629	5901	2600	0.1	0.6235	0.891	1569
1630	5936	2600	0.1	0.6235	0.891	1584
1631	5623	2600	0.1	0.6235	0.891	1447
1632	5700	2600	0.1	0.6235	0.891	1481
1633	5869	2600	0.1	0.6235	0.891	1555
1634	5792	2600	0.1	0.6235	0.891	1521
1635	5986	2600	0.1	0.6235	0.891	1606
1636	5730	2600	0.1	0.6235	0.891	1494
1637	5688	2600	0.1	0.6235	0.891	1476
1638	5919	2600	0.1	0.6235	0.891	1577
1639	5688	2600	0.1	0.6235	0.891	1476
1640	5645	2600	0.1	0.6235	0.891	1457
1641	5930	2600	0.1	0.6235	0.891	1582
1642	5695	2600	0.1	0.6235	0.891	1479
1643	5752	2600	0.1	0.6235	0.891	1503
1644	5606	2600	0.1	0.6235	0.891	1440
1645	6021	2600	0.1	0.6235	0.891	1623
1646	5740	2600	0.1	0.6235	0.891	1498
1647	5840	2600	0.1	0.6235	0.891	1542
1648	5769	2600	0.1	0.6235	0.891	1511
1649	5914	2600	0.1	0.6235	0.891	1575
1650	5865	2600	0.1	0.6235	0.891	1553
1651	5728	2600	0.1	0.6235	0.891	1493
1652	5597	2600	0.1	0.6235	0.891	1436
1653	5826	2600	0.1	0.6235	0.891	1536
1654	5841	2600	0.1	0.6235	0.891	1543
1655	5867	2600	0.1	0.6235	0.891	1554
1656	5851	2600	0.1	0.6235	0.891	1547
1657	5512	2600	0.1	0.6235	0.891	1400
1658	5761	2600	0.1	0.6235	0.891	1507
1659	5903	2600	0.1	0.6235	0.891	1570
1660	5984	2600	0.1	0.6235	0.891	1606
1661	5782	2600	0.1	0.6235	0.891	1517
1662	5539	2600	0.1	0.6235	0.891	1412
1663	5698	2600	0.1	0.6235	0.891	1480
1664	5595	2600	0.1	0.6235	0.891	1436

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1665	5963	2600	0.1	0.6235	0.891	1596
1666	5777	2600	0.1	0.6235	0.891	1514
1667	5846	2600	0.1	0.6235	0.891	1544
1668	5737	2600	0.1	0.6235	0.891	1497
1669	5828	2600	0.1	0.6235	0.891	1537
1670	5732	2600	0.1	0.6235	0.891	1495
1671	5858	2600	0.1	0.6235	0.891	1550
1672	5709	2600	0.1	0.6235	0.891	1484
1673	5635	2600	0.1	0.6235	0.891	1453
1674	5584	2600	0.1	0.6235	0.891	1431
1675	5703	2600	0.1	0.6235	0.891	1482
1676	5661	2600	0.1	0.6235	0.891	1464
1677	5895	2600	0.1	0.6235	0.891	1566
1678	5786	2600	0.1	0.6235	0.891	1518
1679	5774	2600	0.1	0.6235	0.891	1513
1680	5677	2600	0.1	0.6235	0.891	1471
1681	5845	2600	0.1	0.6235	0.891	1544
1682	5862	2600	0.1	0.6235	0.891	1551
1683	5867	2600	0.1	0.6235	0.891	1554
1684	5819	2600	0.1	0.6235	0.891	1532
1685	5756	2600	0.1	0.6235	0.891	1505
1686	5814	2600	0.1	0.6235	0.891	1530
1687	5689	2600	0.1	0.6235	0.891	1476
1688	5748	2600	0.1	0.6235	0.891	1502
1689	5632	2600	0.1	0.6235	0.891	1451
1690	5799	2600	0.1	0.6235	0.891	1524
1691	5833	2600	0.1	0.6235	0.891	1539
1692	5590	2600	0.1	0.6235	0.891	1434
1693	5859	2600	0.1	0.6235	0.891	1550
1694	5617	2600	0.1	0.6235	0.891	1445
1695	5646	2600	0.1	0.6235	0.891	1458
1696	5672	2600	0.1	0.6235	0.891	1469
1697	5861	2600	0.1	0.6235	0.891	1551
1698	5857	2600	0.1	0.6235	0.891	1549
1699	5713	2600	0.1	0.6235	0.891	1486
1700	5700	2600	0.1	0.6235	0.891	1480
1701	5743	2600	0.1	0.6235	0.891	1499
1702	5787	2600	0.1	0.6235	0.891	1519
1703	5880	2600	0.1	0.6235	0.891	1559
1704	5788	2600	0.1	0.6235	0.891	1519
1705	5768	2600	0.1	0.6235	0.891	1510
1706	5786	2600	0.1	0.6235	0.891	1518
1707	5739	2600	0.1	0.6235	0.891	1498
1708	5712	2600	0.1	0.6235	0.891	1486
1709	5578	2600	0.1	0.6235	0.891	1428

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1710	5863	2600	0.1	0.6235	0.891	1552
1711	5697	2600	0.1	0.6235	0.891	1480
1712	5792	2600	0.1	0.6235	0.891	1521
1713	5817	2600	0.1	0.6235	0.891	1532
1714	5824	2600	0.1	0.6235	0.891	1535
1715	5718	2600	0.1	0.6235	0.891	1488
1716	5743	2600	0.1	0.6235	0.891	1499
1717	5813	2600	0.1	0.6235	0.891	1530
1718	5943	2600	0.1	0.6235	0.891	1587
1719	5573	2600	0.1	0.6235	0.891	1426
1720	5784	2600	0.1	0.6235	0.891	1517
1721	5709	2600	0.1	0.6235	0.891	1485
1722	5764	2600	0.1	0.6235	0.891	1509
1723	5870	2600	0.1	0.6235	0.891	1555
1724	5715	2600	0.1	0.6235	0.891	1487
1725	5810	2600	0.1	0.6235	0.891	1528
1726	5788	2600	0.1	0.6235	0.891	1519
1727	5914	2600	0.1	0.6235	0.891	1574
1728	5782	2600	0.1	0.6235	0.891	1516
1729	5699	2600	0.1	0.6235	0.891	1480
1730	5826	2600	0.1	0.6235	0.891	1536
1731	5676	2600	0.1	0.6235	0.891	1470
1732	5807	2600	0.1	0.6235	0.891	1527
1733	5843	2600	0.1	0.6235	0.891	1543
1734	5805	2600	0.1	0.6235	0.891	1527
1735	5704	2600	0.1	0.6235	0.891	1483
1736	5855	2600	0.1	0.6235	0.891	1548
1737	5803	2600	0.1	0.6235	0.891	1526
1738	5766	2600	0.1	0.6235	0.891	1509
1739	5754	2600	0.1	0.6235	0.891	1504
1740	5913	2600	0.1	0.6235	0.891	1574
1741	5960	2600	0.1	0.6235	0.891	1595
1742	5723	2600	0.1	0.6235	0.891	1491
1743	5846	2600	0.1	0.6235	0.891	1545
1744	5685	2600	0.1	0.6235	0.891	1474
1745	5816	2600	0.1	0.6235	0.891	1532
1746	5848	2600	0.1	0.6235	0.891	1545
1747	5830	2600	0.1	0.6235	0.891	1537
1748	5728	2600	0.1	0.6235	0.891	1493
1749	5692	2600	0.1	0.6235	0.891	1477
1750	5681	2600	0.1	0.6235	0.891	1473
1751	5917	2600	0.1	0.6235	0.891	1576
1752	5861	2600	0.1	0.6235	0.891	1551
1753	5728	2600	0.1	0.6235	0.891	1493
1754	5908	2600	0.1	0.6235	0.891	1572

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1755	5730	2600	0.1	0.6235	0.891	1494
1756	5659	2600	0.1	0.6235	0.891	1463
1757	5657	2600	0.1	0.6235	0.891	1462
1758	5925	2600	0.1	0.6235	0.891	1579
1759	5714	2600	0.1	0.6235	0.891	1487
1760	5745	2600	0.1	0.6235	0.891	1500
1761	5812	2600	0.1	0.6235	0.891	1529
1762	5746	2600	0.1	0.6235	0.891	1501
1763	5563	2600	0.1	0.6235	0.891	1422
1764	5748	2600	0.1	0.6235	0.891	1501
1765	5843	2600	0.1	0.6235	0.891	1543
1766	5890	2600	0.1	0.6235	0.891	1564
1767	5754	2600	0.1	0.6235	0.891	1504
1768	5890	2600	0.1	0.6235	0.891	1564
1769	5662	2600	0.1	0.6235	0.891	1464
1770	5795	2600	0.1	0.6235	0.891	1522
1771	5728	2600	0.1	0.6235	0.891	1493
1772	5614	2600	0.1	0.6235	0.891	1444
1773	5810	2600	0.1	0.6235	0.891	1529
1774	5693	2600	0.1	0.6235	0.891	1478
1775	5778	2600	0.1	0.6235	0.891	1514
1776	5782	2600	0.1	0.6235	0.891	1516
1777	5852	2600	0.1	0.6235	0.891	1547
1778	5907	2600	0.1	0.6235	0.891	1571
1779	5765	2600	0.1	0.6235	0.891	1509
1780	5828	2600	0.1	0.6235	0.891	1537
1781	5694	2600	0.1	0.6235	0.891	1478
1782	5707	2600	0.1	0.6235	0.891	1484
1783	5950	2600	0.1	0.6235	0.891	1590
1784	5882	2600	0.1	0.6235	0.891	1560
1785	5791	2600	0.1	0.6235	0.891	1520
1786	5727	2600	0.1	0.6235	0.891	1492
1787	5851	2600	0.1	0.6235	0.891	1547
1788	5796	2600	0.1	0.6235	0.891	1523
1789	5665	2600	0.1	0.6235	0.891	1466
1790	5916	2600	0.1	0.6235	0.891	1575
1791	5699	2600	0.1	0.6235	0.891	1480
1792	5770	2600	0.1	0.6235	0.891	1511
1793	5789	2600	0.1	0.6235	0.891	1520
1794	5634	2600	0.1	0.6235	0.891	1452
1795	5948	2600	0.1	0.6235	0.891	1590
1796	5701	2600	0.1	0.6235	0.891	1481
1797	5855	2600	0.1	0.6235	0.891	1549
1798	5726	2600	0.1	0.6235	0.891	1492
1799	5852	2600	0.1	0.6235	0.891	1547

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1800	5856	2600	0.1	0.6235	0.891	1549
1801	5851	2600	0.1	0.6235	0.891	1547
1802	5854	2600	0.1	0.6235	0.891	1548
1803	5721	2600	0.1	0.6235	0.891	1490
1804	5620	2600	0.1	0.6235	0.891	1446
1805	5793	2600	0.1	0.6235	0.891	1521
1806	5854	2600	0.1	0.6235	0.891	1548
1807	5828	2600	0.1	0.6235	0.891	1537
1808	5934	2600	0.1	0.6235	0.891	1583
1809	5761	2600	0.1	0.6235	0.891	1508
1810	5722	2600	0.1	0.6235	0.891	1490
1811	5820	2600	0.1	0.6235	0.891	1533
1812	5791	2600	0.1	0.6235	0.891	1520
1813	5764	2600	0.1	0.6235	0.891	1509
1814	5565	2600	0.1	0.6235	0.891	1423
1815	5892	2600	0.1	0.6235	0.891	1565
1816	5642	2600	0.1	0.6235	0.891	1456
1817	5693	2600	0.1	0.6235	0.891	1478
1818	5615	2600	0.1	0.6235	0.891	1444
1819	5896	2600	0.1	0.6235	0.891	1567
1820	6009	2600	0.1	0.6235	0.891	1617
1821	5687	2600	0.1	0.6235	0.891	1475
1822	5901	2600	0.1	0.6235	0.891	1569
1823	5868	2600	0.1	0.6235	0.891	1554
1824	5878	2600	0.1	0.6235	0.891	1559
1825	5923	2600	0.1	0.6235	0.891	1578
1826	5926	2600	0.1	0.6235	0.891	1580
1827	5724	2600	0.1	0.6235	0.891	1491
1828	5800	2600	0.1	0.6235	0.891	1524
1829	5819	2600	0.1	0.6235	0.891	1533
1830	5776	2600	0.1	0.6235	0.891	1514
1831	5848	2600	0.1	0.6235	0.891	1546
1832	5672	2600	0.1	0.6235	0.891	1469
1833	5877	2600	0.1	0.6235	0.891	1558
1834	5919	2600	0.1	0.6235	0.891	1577
1835	5638	2600	0.1	0.6235	0.891	1454
1836	5885	2600	0.1	0.6235	0.891	1562
1837	5613	2600	0.1	0.6235	0.891	1443
1838	5747	2600	0.1	0.6235	0.891	1501
1839	5898	2600	0.1	0.6235	0.891	1567
1840	5732	2600	0.1	0.6235	0.891	1495
1841	5731	2600	0.1	0.6235	0.891	1494
1842	5811	2600	0.1	0.6235	0.891	1529
1843	5784	2600	0.1	0.6235	0.891	1517
1844	5535	2600	0.1	0.6235	0.891	1410

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1845	5960	2600	0.1	0.6235	0.891	1595
1846	5633	2600	0.1	0.6235	0.891	1452
1847	5635	2600	0.1	0.6235	0.891	1452
1848	5904	2600	0.1	0.6235	0.891	1570
1849	5815	2600	0.1	0.6235	0.891	1531
1850	5818	2600	0.1	0.6235	0.891	1532
1851	5724	2600	0.1	0.6235	0.891	1491
1852	5771	2600	0.1	0.6235	0.891	1512
1853	5826	2600	0.1	0.6235	0.891	1536
1854	5891	2600	0.1	0.6235	0.891	1564
1855	5582	2600	0.1	0.6235	0.891	1430
1856	5849	2600	0.1	0.6235	0.891	1546
1857	5718	2600	0.1	0.6235	0.891	1488
1858	5790	2600	0.1	0.6235	0.891	1520
1859	5966	2600	0.1	0.6235	0.891	1598
1860	5942	2600	0.1	0.6235	0.891	1587
1861	5713	2600	0.1	0.6235	0.891	1486
1862	5893	2600	0.1	0.6235	0.891	1565
1863	5766	2600	0.1	0.6235	0.891	1509
1864	5703	2600	0.1	0.6235	0.891	1482
1865	5845	2600	0.1	0.6235	0.891	1544
1866	5621	2600	0.1	0.6235	0.891	1447
1867	5830	2600	0.1	0.6235	0.891	1538
1868	5753	2600	0.1	0.6235	0.891	1504
1869	5579	2600	0.1	0.6235	0.891	1429
1870	5907	2600	0.1	0.6235	0.891	1572
1871	5742	2600	0.1	0.6235	0.891	1499
1872	5836	2600	0.1	0.6235	0.891	1540
1873	5921	2600	0.1	0.6235	0.891	1578
1874	5718	2600	0.1	0.6235	0.891	1489
1875	5714	2600	0.1	0.6235	0.891	1487
1876	5832	2600	0.1	0.6235	0.891	1539
1877	5738	2600	0.1	0.6235	0.891	1497
1878	5740	2600	0.1	0.6235	0.891	1498
1879	5787	2600	0.1	0.6235	0.891	1518
1880	5860	2600	0.1	0.6235	0.891	1551
1881	5776	2600	0.1	0.6235	0.891	1514
1882	5691	2600	0.1	0.6235	0.891	1477
1883	6066	2600	0.1	0.6235	0.891	1643
1884	5865	2600	0.1	0.6235	0.891	1553
1885	5775	2600	0.1	0.6235	0.891	1513
1886	5831	2600	0.1	0.6235	0.891	1538
1887	5868	2600	0.1	0.6235	0.891	1554
1888	5703	2600	0.1	0.6235	0.891	1482
1889	5692	2600	0.1	0.6235	0.891	1477

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1890	5886	2600	0.1	0.6235	0.891	1562
1891	5816	2600	0.1	0.6235	0.891	1531
1892	5642	2600	0.1	0.6235	0.891	1456
1893	5783	2600	0.1	0.6235	0.891	1517
1894	5928	2600	0.1	0.6235	0.891	1581
1895	5844	2600	0.1	0.6235	0.891	1544
1896	5755	2600	0.1	0.6235	0.891	1504
1897	5807	2600	0.1	0.6235	0.891	1527
1898	5784	2600	0.1	0.6235	0.891	1517
1899	5873	2600	0.1	0.6235	0.891	1556
1900	5751	2600	0.1	0.6235	0.891	1503
1901	5845	2600	0.1	0.6235	0.891	1544
1902	5877	2600	0.1	0.6235	0.891	1558
1903	5805	2600	0.1	0.6235	0.891	1526
1904	5759	2600	0.1	0.6235	0.891	1506
1905	5860	2600	0.1	0.6235	0.891	1550
1906	5789	2600	0.1	0.6235	0.891	1520
1907	5795	2600	0.1	0.6235	0.891	1522
1908	5713	2600	0.1	0.6235	0.891	1486
1909	5618	2600	0.1	0.6235	0.891	1445
1910	5645	2600	0.1	0.6235	0.891	1457
1911	5781	2600	0.1	0.6235	0.891	1516
1912	5742	2600	0.1	0.6235	0.891	1499
1913	5803	2600	0.1	0.6235	0.891	1526
1914	5529	2600	0.1	0.6235	0.891	1407
1915	5956	2600	0.1	0.6235	0.891	1593
1916	5690	2600	0.1	0.6235	0.891	1476
1917	5706	2600	0.1	0.6235	0.891	1483
1918	5840	2600	0.1	0.6235	0.891	1542
1919	5893	2600	0.1	0.6235	0.891	1565
1920	5964	2600	0.1	0.6235	0.891	1597
1921	5813	2600	0.1	0.6235	0.891	1530
1922	5726	2600	0.1	0.6235	0.891	1492
1923	5879	2600	0.1	0.6235	0.891	1559
1924	5837	2600	0.1	0.6235	0.891	1541
1925	5850	2600	0.1	0.6235	0.891	1546
1926	5667	2600	0.1	0.6235	0.891	1467
1927	5853	2600	0.1	0.6235	0.891	1548
1928	5909	2600	0.1	0.6235	0.891	1572
1929	5714	2600	0.1	0.6235	0.891	1487
1930	5741	2600	0.1	0.6235	0.891	1498
1931	5752	2600	0.1	0.6235	0.891	1503
1932	5789	2600	0.1	0.6235	0.891	1519
1933	5842	2600	0.1	0.6235	0.891	1543
1934	5702	2600	0.1	0.6235	0.891	1482

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1935	5737	2600	0.1	0.6235	0.891	1497
1936	5756	2600	0.1	0.6235	0.891	1505
1937	5800	2600	0.1	0.6235	0.891	1524
1938	5866	2600	0.1	0.6235	0.891	1553
1939	5825	2600	0.1	0.6235	0.891	1535
1940	5736	2600	0.1	0.6235	0.891	1496
1941	5720	2600	0.1	0.6235	0.891	1490
1942	5836	2600	0.1	0.6235	0.891	1540
1943	5745	2600	0.1	0.6235	0.891	1500
1944	5803	2600	0.1	0.6235	0.891	1525
1945	5820	2600	0.1	0.6235	0.891	1533
1946	5792	2600	0.1	0.6235	0.891	1521
1947	5836	2600	0.1	0.6235	0.891	1540
1948	5722	2600	0.1	0.6235	0.891	1490
1949	5882	2600	0.1	0.6235	0.891	1560
1950	5917	2600	0.1	0.6235	0.891	1576
1951	5760	2600	0.1	0.6235	0.891	1507
1952	5601	2600	0.1	0.6235	0.891	1438
1953	5881	2600	0.1	0.6235	0.891	1560
1954	5867	2600	0.1	0.6235	0.891	1554
1955	5658	2600	0.1	0.6235	0.891	1463
1956	5978	2600	0.1	0.6235	0.891	1603
1957	5758	2600	0.1	0.6235	0.891	1506
1958	5854	2600	0.1	0.6235	0.891	1548
1959	5749	2600	0.1	0.6235	0.891	1502
1960	5682	2600	0.1	0.6235	0.891	1473
1961	5676	2600	0.1	0.6235	0.891	1470
1962	5707	2600	0.1	0.6235	0.891	1484
1963	5801	2600	0.1	0.6235	0.891	1525
1964	5954	2600	0.1	0.6235	0.891	1592
1965	5768	2600	0.1	0.6235	0.891	1510
1966	5897	2600	0.1	0.6235	0.891	1567
1967	5833	2600	0.1	0.6235	0.891	1539
1968	5897	2600	0.1	0.6235	0.891	1567
1969	5864	2600	0.1	0.6235	0.891	1552
1970	5697	2600	0.1	0.6235	0.891	1479
1971	5678	2600	0.1	0.6235	0.891	1471
1972	5753	2600	0.1	0.6235	0.891	1504
1973	5773	2600	0.1	0.6235	0.891	1513
1974	5630	2600	0.1	0.6235	0.891	1450
1975	5760	2600	0.1	0.6235	0.891	1507
1976	5757	2600	0.1	0.6235	0.891	1506
1977	5967	2600	0.1	0.6235	0.891	1598
1978	5938	2600	0.1	0.6235	0.891	1585
1979	5845	2600	0.1	0.6235	0.891	1544

Run ID	Mass (kg)	Density (kg/m ³)	Size (m)	Area (m ²)	Depth (m)	Moment of Inertia
1980	5799	2600	0.1	0.6235	0.891	1524
1981	5802	2600	0.1	0.6235	0.891	1525
1982	5793	2600	0.1	0.6235	0.891	1521
1983	5789	2600	0.1	0.6235	0.891	1519
1984	5874	2600	0.1	0.6235	0.891	1557
1985	5834	2600	0.1	0.6235	0.891	1539
1986	5790	2600	0.1	0.6235	0.891	1520
1987	5809	2600	0.1	0.6235	0.891	1528
1988	5684	2600	0.1	0.6235	0.891	1474
1989	5903	2600	0.1	0.6235	0.891	1570
1990	5814	2600	0.1	0.6235	0.891	1530
1991	5725	2600	0.1	0.6235	0.891	1492
1992	5741	2600	0.1	0.6235	0.891	1499
1993	5774	2600	0.1	0.6235	0.891	1513
1994	5841	2600	0.1	0.6235	0.891	1542
1995	5704	2600	0.1	0.6235	0.891	1482
1996	5765	2600	0.1	0.6235	0.891	1509
1997	5794	2600	0.1	0.6235	0.891	1522
1998	5736	2600	0.1	0.6235	0.891	1497
1999	5899	2600	0.1	0.6235	0.891	1568

Path Results Summary

ID	Compute Time (s)	Events	Stopping Reason	End Loc
0	0	55	Stopped	249.6
1	0	54	Stopped	210
2	0	50	Stopped	212.2
3	0	86	Stopped	194.3
4	0	135	Stopped	223.5
5	0	53	Stopped	212.7
6	0	55	Stopped	194.3
7	0	80	Stopped	128.4
8	0	51	Stopped	128.4
9	0	76	Stopped	207.6
10	0	37	Stopped	126.6
11	0	31	Stopped	88.36
12	0	46	Stopped	194.3
13	0	65	Stopped	210
14	0	10	Stopped	12.73
15	0	74	Stopped	128.4
16	0	63	Stopped	128.4
17	0	58	Stopped	226.9
18	0	60	Stopped	128.4
19	0	54	Stopped	128.4
20	0	51	Stopped	231.7
21	0	84	Stopped	128.4
22	0	55	Stopped	128.4
23	0	45	Stopped	234.5
24	0	62	Stopped	128.4
25	0	70	Stopped	128.4
26	0	56	Stopped	237.2
27	0	55	Stopped	236.2
28	0	77	Stopped	230.2
29	0	62	Stopped	274.1
30	0	56	Stopped	229.7
31	0	45	Stopped	128
32	0	75	Stopped	233.3
33	0	79	Stopped	243.2
34	0	52	Stopped	229.9
35	0	55	Stopped	212.6
36	0	49	Stopped	128.3
37	0	52	Stopped	128.4
38	0	48	Stopped	247.9
39	0	58	Stopped	128.4
40	0	95	Stopped	207.8
41	0	68	Stopped	230.9
42	0	110	Stopped	194.3
43	0	134	Stopped	223.5
44	0	39	Stopped	236.1

ID	Compute Time (s)	Events	Stopping Reason	End Loc
45	0	45	Stopped	128.3
46	0	121	Stopped	222.2
47	0	75	Stopped	128.4
48	0	58	Stopped	232.8
49	0	65	Stopped	255.9
50	0	89	Stopped	221.9
51	0	59	Stopped	128.4
52	0	42	Stopped	128.4
53	0	52	Stopped	128.2
54	0	22	Stopped	9.336
55	0	67	Stopped	207.5
56	0	52	Stopped	233.1
57	0	67	Stopped	128.4
58	0	93	Stopped	223.5
59	0	107	Stopped	222.3
60	0	5	Stopped	44.57
61	0	5	Stopped	44.89
62	0	50	Stopped	242.2
63	0	9	Stopped	10.88
64	0	27	Stopped	67.95
65	0	25	Stopped	194.2
66	0	51	Stopped	126.4
67	0	48	Stopped	226.8
68	0	73	Stopped	128.4
69	0	59	Stopped	195.7
70	0	87	Stopped	207.5
71	0	62	Stopped	230.3
72	0	80	Stopped	128.4
73	0	72	Stopped	128.4
74	0	5	Stopped	35
75	0	63	Stopped	200.1
76	0	54	Stopped	128.4
77	0	44	Stopped	229.9
78	0	81	Stopped	200.1
79	0	58	Stopped	241.9
80	0	90	Stopped	238.3
81	0	69	Stopped	269.6
82	0	37	Stopped	230.2
83	0	7	Stopped	12.42
84	0	128	Stopped	222.1
85	0	76	Stopped	223.5
86	0	42	Stopped	126.3
87	0	31	Stopped	86.94
88	0	59	Stopped	210.8
89	0	96	Stopped	222.1

ID	Compute Time (s)	Events	Stopping Reason	End Loc
90	0	69	Stopped	227.3
91	0	36	Stopped	128.4
92	0	52	Stopped	192.3
93	0	84	Stopped	128.4
94	0	71	Stopped	212.6
95	0	29	Stopped	9.336
96	0	33	Stopped	103.3
97	0	49	Stopped	231.5
98	0	52	Stopped	210.9
99	0	65	Stopped	227.7
100	0	72	Stopped	253.8
101	0	52	Stopped	242.3
102	0	20	Stopped	9.336
103	0	99	Stopped	128.4
104	0	82	Stopped	229.5
105	0	62	Stopped	128.4
106	0	38	Stopped	66.52
107	0	38	Stopped	236.8
108	0	43	Stopped	233.9
109	0	44	Stopped	195.6
110	0	63	Stopped	241.3
111	0	70	Stopped	128.4
112	0	7	Stopped	14.18
113	0	103	Stopped	223.5
114	0	62	Stopped	128.4
115	0	59	Stopped	128.4
116	0	60	Stopped	240.1
117	0	61	Stopped	233.6
118	0	69	Stopped	194.3
119	0	66	Stopped	194.3
120	0	98	Stopped	105.6
121	0	56	Stopped	240
122	0	59	Stopped	105.6
123	0	7	Stopped	15.29
124	0	69	Stopped	224.3
125	0	33	Stopped	127.9
126	0	9	Stopped	10.84
127	0	49	Stopped	228.4
128	0	68	Stopped	128.4
129	0	70	Stopped	211.1
130	0	83	Stopped	128.4
131	0	63	Stopped	228.9
132	0	106	Stopped	200.1
133	0	136	Stopped	223.5
134	0	52	Stopped	209.8

ID	Compute Time (s)	Events	Stopping Reason	End Loc
135	0	51	Stopped	270.2
136	0	64	Stopped	200.1
137	0	45	Stopped	128.4
138	0	109	Stopped	221.9
139	0	76	Stopped	247.6
140	0	64	Stopped	128.4
141	0	95	Stopped	222.2
142	0	48	Stopped	212.6
143	0	55	Stopped	207.8
144	0	53	Stopped	128.4
145	0	52	Stopped	194.3
146	0	5	Stopped	33.22
147	0	80	Stopped	128.4
148	0	61	Stopped	236.2
149	0	133	Stopped	223.5
150	0	69	Stopped	212.9
151	0	44	Stopped	11.09
152	0	30	Stopped	224.6
153	0	67	Stopped	211
154	0	80	Stopped	128.4
155	0	54	Stopped	194.3
156	0	63	Stopped	228.5
157	0	69	Stopped	128.4
158	0	46	Stopped	127.8
159	0	51	Stopped	232.1
160	0	73	Stopped	128.4
161	0	5	Stopped	15.33
162	0	58	Stopped	244.2
163	0	93	Stopped	222
164	0	60	Stopped	128.4
165	0	91	Stopped	200.1
166	0	50	Stopped	233.3
167	0	47	Stopped	128.4
168	0	54	Stopped	228.6
169	0	44	Stopped	209.7
170	0	128	Stopped	222.3
171	0	23	Stopped	196
172	0	47	Stopped	128
173	0	64	Stopped	227
174	0	61	Stopped	237.3
175	0	91	Stopped	222.1
176	0	6	Stopped	11.06
177	0	66	Stopped	128.4
178	0	45	Stopped	126.5
179	0	58	Stopped	256

ID	Compute Time (s)	Events	Stopping Reason	End Loc
180	0	83	Stopped	227.3
181	0	47	Stopped	212.8
182	0	56	Stopped	230.6
183	0	77	Stopped	234.7
184	0	7	Stopped	10.95
185	0	49	Stopped	230.5
186	0	55	Stopped	250
187	0	92	Stopped	222
188	0	63	Stopped	242.6
189	0	56	Stopped	236.2
190	0	51	Stopped	105.6
191	0	53	Stopped	126.1
192	0	68	Stopped	200.1
193	0	50	Stopped	127.9
194	0	5	Stopped	14.58
195	0	56	Stopped	228.5
196	0	66	Stopped	239.5
197	0	78	Stopped	257.9
198	0	65	Stopped	255.1
199	0	74	Stopped	229.5
200	0	80	Stopped	207.9
201	0	49	Stopped	128
202	0	99	Stopped	221.7
203	0	70	Stopped	223.5
204	0	41	Stopped	128.3
205	0	12	Stopped	12.74
206	0	39	Stopped	128.1
207	0	72	Stopped	249.3
208	0	66	Stopped	226.6
209	0	51	Stopped	200.1
210	0	50	Stopped	244.7
211	0	54	Stopped	242.4
212	0	54	Stopped	230.4
213	0	44	Stopped	234.2
214	0	65	Stopped	242.3
215	0	49	Stopped	233.8
216	0	44	Stopped	212.9
217	0	24	Stopped	103.1
218	0	7	Stopped	44.7
219	0	74	Stopped	228.1
220	0	56	Stopped	232.8
221	0	81	Stopped	250.1
222	0	64	Stopped	242.7
223	0	10	Stopped	12.5
224	0	72	Stopped	229.6

ID	Compute Time (s)	Events	Stopping Reason	End Loc
225	0	49	Stopped	128.4
226	0	33	Stopped	195.9
227	0	78	Stopped	207.9
228	0	67	Stopped	232.3
229	0	98	Stopped	200.1
230	0	9	Stopped	11.01
231	0	45	Stopped	233.4
232	0	50	Stopped	239.7
233	0	64	Stopped	230.4
234	0	82	Stopped	200.1
235	0	67	Stopped	229.8
236	0	66	Stopped	222.1
237	0	86	Stopped	223.5
238	0	64	Stopped	232.8
239	0	60	Stopped	201
240	0	84	Stopped	232.5
241	0	49	Stopped	264.2
242	0	66	Stopped	233.5
243	0	67	Stopped	236.3
244	0	69	Stopped	128.4
245	0	35	Stopped	9.336
246	0	65	Stopped	128.4
247	0	61	Stopped	227.5
248	0	51	Stopped	239.7
249	0	36	Stopped	128
250	0	10	Stopped	12.59
251	0	65	Stopped	242.4
252	0	55	Stopped	229.5
253	0	53	Stopped	207.9
254	0	122	Stopped	222.1
255	0	56	Stopped	230.9
256	0	48	Stopped	240.4
257	0	36	Stopped	226.8
258	0	91	Stopped	222.1
259	0	44	Stopped	126.6
260	0	30	Stopped	9.336
261	0	31	Stopped	9.336
262	0	72	Stopped	223.5
263	0	75	Stopped	128.4
264	0	53	Stopped	128.4
265	0	73	Stopped	128.4
266	0	38	Stopped	128.4
267	0	94	Stopped	232.4
268	0	54	Stopped	210.8
269	0	18	Stopped	9.336

ID	Compute Time (s)	Events	Stopping Reason	End Loc
270	0	60	Stopped	245.3
271	0	53	Stopped	229.6
272	0	54	Stopped	239.6
273	0	51	Stopped	128
274	0	44	Stopped	105.6
275	0	110	Stopped	200.1
276	0	57	Stopped	128
277	0	57	Stopped	228
278	0	68	Stopped	128.4
279	0	73	Stopped	128.4
280	0	66	Stopped	128.4
281	0	92	Stopped	222.1
282	0	76	Stopped	228.6
283	0	58	Stopped	207.6
284	0	56	Stopped	232.6
285	0	7	Stopped	10.9
286	0	84	Stopped	223.5
287	0	41	Stopped	234.3
288	0	7	Stopped	14.19
289	0	12	Stopped	14.46
290	0	68	Stopped	242.5
291	0	67	Stopped	244.7
292	0	51	Stopped	236.7
293	0	102	Stopped	222
294	0	56	Stopped	232.7
295	0	150	Stopped	223.5
296	0	95	Stopped	128.4
297	0	74	Stopped	207
298	0	57	Stopped	105.6
299	0	80	Stopped	232
300	0	115	Stopped	222
301	0	75	Stopped	211.1
302	0	52	Stopped	236.5
303	0	43	Stopped	126.1
304	0	55	Stopped	128.1
305	0	62	Stopped	207.8
306	0	64	Stopped	230.9
307	0	5	Stopped	44.45
308	0	5	Stopped	12.57
309	0	92	Stopped	230.7
310	0	103	Stopped	105.6
311	0	87	Stopped	223.5
312	0	79	Stopped	236.8
313	0	71	Stopped	128.4
314	0	52	Stopped	240.2

ID	Compute Time (s)	Events	Stopping Reason	End Loc
315	0	109	Stopped	235.5
316	0	6	Stopped	10.62
317	0	64	Stopped	242.2
318	0	52	Stopped	123.6
319	0	78	Stopped	207.3
320	0	65	Stopped	233.9
321	0	50	Stopped	236.8
322	0	57	Stopped	232.2
323	0	49	Stopped	194.3
324	0	5	Stopped	12.44
325	0	100	Stopped	207.5
326	0	41	Stopped	228.4
327	0	78	Stopped	128.4
328	0	5	Stopped	14.29
329	0	50	Stopped	128.4
330	0	42	Stopped	128.4
331	0	56	Stopped	240
332	0	11	Stopped	10.59
333	0	71	Stopped	242.5
334	0	66	Stopped	229.8
335	0	53	Stopped	231.6
336	0	41	Stopped	105.6
337	0	8	Stopped	10.75
338	0	36	Stopped	229.5
339	0	37	Stopped	67.97
340	0	62	Stopped	128.4
341	0	81	Stopped	105.6
342	0	72	Stopped	128.4
343	0	75	Stopped	128.4
344	0	28	Stopped	194.2
345	0	60	Stopped	232.2
346	0	55	Stopped	228.4
347	0	54	Stopped	242.5
348	0	51	Stopped	236.3
349	0	63	Stopped	105.6
350	0	79	Stopped	224.9
351	0	8	Stopped	10.78
352	0	74	Stopped	232.4
353	0	68	Stopped	234
354	0	76	Stopped	200.1
355	0	67	Stopped	128.4
356	0	56	Stopped	212.6
357	0	85	Stopped	200.1
358	0	39	Stopped	128.4
359	0	5	Stopped	34.81

ID	Compute Time (s)	Events	Stopping Reason	End Loc
360	0	65	Stopped	212.4
361	0	88	Stopped	128.4
362	0	65	Stopped	222.2
363	0	60	Stopped	236.7
364	0	57	Stopped	194.3
365	0	90	Stopped	210.6
366	0	67	Stopped	232.5
367	0	44	Stopped	234.7
368	0	61	Stopped	265.9
369	0	87	Stopped	200.1
370	0	66	Stopped	128.4
371	0	24	Stopped	194.2
372	0	62	Stopped	233.6
373	0	25	Stopped	104.9
374	0	71	Stopped	200.9
375	0	64	Stopped	210
376	0	48	Stopped	234.7
377	0	51	Stopped	253.6
378	0	54	Stopped	195.7
379	0	34	Stopped	238.3
380	0	57	Stopped	229.8
381	0	107	Stopped	236.5
382	0	81	Stopped	207.3
383	0	80	Stopped	236.6
384	0	45	Stopped	233.3
385	0	22	Stopped	67.84
386	0	87	Stopped	246.6
387	0	57	Stopped	241.5
388	0	30	Stopped	67.86
389	0	61	Stopped	235.1
390	0	5	Stopped	15.71
391	0	49	Stopped	196
392	0	37	Stopped	11.09
393	0	79	Stopped	264.6
394	0	44	Stopped	244.8
395	0	7	Stopped	14.09
396	0	60	Stopped	194.3
397	0	73	Stopped	233.6
398	0	25	Stopped	9.336
399	0	59	Stopped	128.4
400	0	15	Stopped	88.75
401	0	81	Stopped	224.3
402	0	7	Stopped	10.85
403	0	56	Stopped	194.3
404	0	60	Stopped	228.7

ID	Compute Time (s)	Events	Stopping Reason	End Loc
405	0	78	Stopped	128.4
406	0	112	Stopped	223.5
407	0	136	Stopped	222.2
408	0	32	Stopped	104.6
409	0	59	Stopped	128.4
410	0	29	Stopped	9.336
411	0	56	Stopped	128.4
412	0	72	Stopped	247.7
413	0	105	Stopped	222
414	0	72	Stopped	128.4
415	0	49	Stopped	128.4
416	0	99	Stopped	223.5
417	0	11	Stopped	14.51
418	0	47	Stopped	241.5
419	0	45	Stopped	128.4
420	0	123	Stopped	128.4
421	0	96	Stopped	200.1
422	0	53	Stopped	231.7
423	0	74	Stopped	236.3
424	0	56	Stopped	128.4
425	0	74	Stopped	200.1
426	0	35	Stopped	104.6
427	0	54	Stopped	212.9
428	0	99	Stopped	200.1
429	0	72	Stopped	128.4
430	0	75	Stopped	128.4
431	0	56	Stopped	232.4
432	0	63	Stopped	227.8
433	0	62	Stopped	194.3
434	0	52	Stopped	240.1
435	0	59	Stopped	236.2
436	0	38	Stopped	128.3
437	0	6	Stopped	10.7
438	0	47	Stopped	227.7
439	0	49	Stopped	232.7
440	0	45	Stopped	105.6
441	0	71	Stopped	105.6
442	0	151	Stopped	223.5
443	0	79	Stopped	200.1
444	0	54	Stopped	128.1
445	0	54	Stopped	229.7
446	0	27	Stopped	240.7
447	0	15	Stopped	10.81
448	0	75	Stopped	228.4
449	0	51	Stopped	207.5

ID	Compute Time (s)	Events	Stopping Reason	End Loc
450	0	132	Stopped	222.2
451	0	49	Stopped	128.3
452	0	63	Stopped	228.7
453	0	71	Stopped	128.4
454	0	5	Stopped	14.22
455	0	74	Stopped	251.9
456	0	68	Stopped	234.9
457	0	74	Stopped	242.1
458	0	70	Stopped	230.6
459	0	42	Stopped	230.7
460	0	56	Stopped	233.9
461	0	66	Stopped	231.8
462	0	138	Stopped	223.5
463	0	77	Stopped	252.4
464	0	9	Stopped	12.54
465	0	52	Stopped	212.6
466	0	51	Stopped	236.7
467	0	61	Stopped	128.4
468	0	73	Stopped	194.3
469	0	33	Stopped	66.52
470	0	108	Stopped	223.5
471	0	7	Stopped	15.45
472	0	68	Stopped	128.4
473	0	4	Stopped	10.66
474	0	78	Stopped	243.2
475	0	71	Stopped	128.4
476	0	41	Stopped	229.5
477	0	15	Stopped	11.07
478	0	71	Stopped	230.7
479	0	67	Stopped	207.3
480	0	13	Stopped	10.83
481	0	103	Stopped	223.5
482	0	47	Stopped	240.7
483	0	50	Stopped	253.4
484	0	51	Stopped	194.3
485	0	34	Stopped	128.4
486	0	54	Stopped	128.2
487	0	96	Stopped	207.7
488	0	43	Stopped	264.8
489	0	62	Stopped	128.4
490	0	39	Stopped	195.6
491	0	49	Stopped	128.4
492	0	65	Stopped	128.4
493	0	13	Stopped	10.84
494	0	51	Stopped	212.7

ID	Compute Time (s)	Events	Stopping Reason	End Loc
495	0	97	Stopped	222.1
496	0	47	Stopped	201
497	0	66	Stopped	232
498	0	69	Stopped	245.4
499	0	65	Stopped	236.5
500	0	63	Stopped	230.6
501	0	57	Stopped	200.9
502	0	50	Stopped	244
503	0	69	Stopped	128.4
504	0	21	Stopped	9.336
505	0	79	Stopped	222.2
506	0	27	Stopped	100.1
507	0	42	Stopped	228.5
508	0	52	Stopped	232.8
509	0	49	Stopped	228
510	0	103	Stopped	223.5
511	0	57	Stopped	242.6
512	0	92	Stopped	222
513	0	70	Stopped	128.4
514	0	94	Stopped	224.6
515	0	34	Stopped	195.6
516	0	13	Stopped	11.04
517	0	62	Stopped	242.4
518	0	98	Stopped	200.1
519	0	4	Stopped	10.98
520	0	48	Stopped	230.4
521	0	53	Stopped	126.6
522	0	96	Stopped	221.9
523	0	18	Stopped	65.14
524	0	57	Stopped	246.8
525	0	88	Stopped	230.2
526	0	54	Stopped	128.4
527	0	69	Stopped	232.5
528	0	67	Stopped	128.4
529	0	67	Stopped	226.9
530	0	65	Stopped	128.4
531	0	78	Stopped	194.3
532	0	45	Stopped	128.3
533	0	51	Stopped	195.7
534	0	88	Stopped	200.1
535	0	76	Stopped	234.9
536	0	86	Stopped	194.3
537	0	101	Stopped	200.1
538	0	23	Stopped	201.2
539	0	69	Stopped	210.9

ID	Compute Time (s)	Events	Stopping Reason	End Loc
540	0	65	Stopped	128.4
541	0	60	Stopped	212.5
542	0	48	Stopped	231.8
543	0	58	Stopped	128.4
544	0	70	Stopped	128.4
545	0	43	Stopped	231.6
546	0	54	Stopped	128.4
547	0	40	Stopped	212.5
548	0	67	Stopped	231.8
549	0	66	Stopped	128.4
550	0	52	Stopped	222.3
551	0	74	Stopped	221.9
552	0	75	Stopped	128.4
553	0	49	Stopped	212.9
554	0	77	Stopped	244.2
555	0	19	Stopped	103.2
556	0	76	Stopped	128.4
557	0	51	Stopped	250
558	0	57	Stopped	255.4
559	0	55	Stopped	230.1
560	0	46	Stopped	230.7
561	0	67	Stopped	128.4
562	0	57	Stopped	233.7
563	0	48	Stopped	237
564	0	53	Stopped	207.8
565	0	57	Stopped	241.3
566	0	73	Stopped	128.4
567	0	55	Stopped	229.4
568	0	46	Stopped	128.4
569	0	50	Stopped	232.4
570	0	19	Stopped	9.336
571	0	59	Stopped	128.4
572	0	55	Stopped	128.4
573	0	46	Stopped	271.8
574	0	71	Stopped	242.4
575	0	55	Stopped	86.94
576	0	59	Stopped	209.8
577	0	25	Stopped	9.336
578	0	67	Stopped	255.8
579	0	30	Stopped	103.2
580	0	51	Stopped	105.6
581	0	50	Stopped	240.3
582	0	71	Stopped	256
583	0	70	Stopped	233.7
584	0	53	Stopped	128.4

ID	Compute Time (s)	Events	Stopping Reason	End Loc
585	0	58	Stopped	128.3
586	0	9	Stopped	11.05
587	0	140	Stopped	223.5
588	0	73	Stopped	244.1
589	0	59	Stopped	230.8
590	0	69	Stopped	128.4
591	0	87	Stopped	128.2
592	0	7	Stopped	14.26
593	0	72	Stopped	212.6
594	0	59	Stopped	232.1
595	0	68	Stopped	128.3
596	0	66	Stopped	242.5
597	0	5	Stopped	33.12
598	0	62	Stopped	128.4
599	0	88	Stopped	207.6
600	0	84	Stopped	221.8
601	0	108	Stopped	223.5
602	0	56	Stopped	229.5
603	0	69	Stopped	237
604	0	77	Stopped	229.5
605	0	40	Stopped	200.9
606	0	73	Stopped	128.4
607	0	59	Stopped	212.2
608	0	7	Stopped	14.29
609	0	72	Stopped	105.6
610	0	60	Stopped	128.4
611	0	70	Stopped	207.9
612	0	50	Stopped	230.7
613	0	59	Stopped	194.3
614	0	53	Stopped	128.4
615	0	5	Stopped	12.41
616	0	23	Stopped	9.336
617	0	87	Stopped	200.1
618	0	45	Stopped	194.3
619	0	81	Stopped	237.3
620	0	37	Stopped	238.4
621	0	34	Stopped	194.1
622	0	53	Stopped	210
623	0	105	Stopped	105.6
624	0	73	Stopped	230.8
625	0	5	Stopped	15.51
626	0	68	Stopped	128.3
627	0	89	Stopped	128.4
628	0	69	Stopped	128.4
629	0	49	Stopped	210.9

ID	Compute Time (s)	Events	Stopping Reason	End Loc
630	0	95	Stopped	208.1
631	0	65	Stopped	228.7
632	0	82	Stopped	248.6
633	0	47	Stopped	236.9
634	0	44	Stopped	128.4
635	0	55	Stopped	207.5
636	0	27	Stopped	100.2
637	0	71	Stopped	253.5
638	0	49	Stopped	195.7
639	0	39	Stopped	66.52
640	0	67	Stopped	235
641	0	41	Stopped	126
642	0	51	Stopped	249.4
643	0	84	Stopped	200.1
644	0	41	Stopped	128.2
645	0	38	Stopped	230.9
646	0	69	Stopped	201.8
647	0	47	Stopped	227.7
648	0	106	Stopped	222.2
649	0	60	Stopped	229.6
650	0	5	Stopped	34.99
651	0	39	Stopped	231.1
652	0	65	Stopped	212.7
653	0	68	Stopped	128.4
654	0	75	Stopped	200.1
655	0	14	Stopped	9.336
656	0	99	Stopped	222.2
657	0	60	Stopped	240.7
658	0	46	Stopped	128
659	0	46	Stopped	126.4
660	0	87	Stopped	200.1
661	0	56	Stopped	194.3
662	0	45	Stopped	242.2
663	0	45	Stopped	210.9
664	0	79	Stopped	223.5
665	0	100	Stopped	222.2
666	0	82	Stopped	232.7
667	0	41	Stopped	66.52
668	0	5	Stopped	34.79
669	0	50	Stopped	209.7
670	0	54	Stopped	209.3
671	0	53	Stopped	230.7
672	0	45	Stopped	128.4
673	0	24	Stopped	84.03
674	0	51	Stopped	241.3

ID	Compute Time (s)	Events	Stopping Reason	End Loc
675	0	68	Stopped	128.4
676	0	77	Stopped	227.5
677	0	21	Stopped	103.2
678	0	61	Stopped	128.4
679	0	124	Stopped	223.5
680	0	55	Stopped	128.4
681	0	30	Stopped	195.7
682	0	68	Stopped	207.4
683	0	51	Stopped	128.4
684	0	102	Stopped	200.1
685	0	46	Stopped	192.5
686	0	81	Stopped	212.9
687	0	52	Stopped	229.5
688	0	78	Stopped	194.3
689	0	67	Stopped	200.1
690	0	72	Stopped	239.1
691	0	13	Stopped	11.03
692	0	42	Stopped	245.4
693	0	105	Stopped	222
694	0	98	Stopped	221.8
695	0	118	Stopped	222
696	0	12	Stopped	14.54
697	0	75	Stopped	231
698	0	55	Stopped	240
699	0	126	Stopped	222
700	0	75	Stopped	238.5
701	0	57	Stopped	232
702	0	35	Stopped	231.8
703	0	72	Stopped	224.3
704	0	74	Stopped	128.4
705	0	71	Stopped	128.4
706	0	76	Stopped	242.7
707	0	86	Stopped	223.5
708	0	5	Stopped	44.87
709	0	111	Stopped	223.5
710	0	84	Stopped	128.4
711	0	45	Stopped	233.9
712	0	47	Stopped	212.9
713	0	92	Stopped	222.2
714	0	71	Stopped	234.7
715	0	103	Stopped	222
716	0	82	Stopped	128.3
717	0	85	Stopped	235.1
718	0	74	Stopped	200.1
719	0	41	Stopped	250.1

ID	Compute Time (s)	Events	Stopping Reason	End Loc
720	0	108	Stopped	222.3
721	0	59	Stopped	209.5
722	0	54	Stopped	231
723	0	45	Stopped	231
724	0	32	Stopped	9.336
725	0	75	Stopped	232.2
726	0	43	Stopped	209.8
727	0	71	Stopped	228.6
728	0	60	Stopped	232.4
729	0	5	Stopped	12.63
730	0	56	Stopped	210.4
731	0	5	Stopped	44.51
732	0	51	Stopped	232.1
733	0	68	Stopped	194.3
734	0	63	Stopped	251.6
735	0	112	Stopped	222.2
736	0	57	Stopped	239.4
737	0	60	Stopped	207.7
738	0	60	Stopped	208.1
739	0	95	Stopped	222.2
740	0	101	Stopped	222
741	0	54	Stopped	230.6
742	0	67	Stopped	228.9
743	0	83	Stopped	231.8
744	0	8	Stopped	10.94
745	0	112	Stopped	221.9
746	0	167	Stopped	223.5
747	0	87	Stopped	128.4
748	0	57	Stopped	205.3
749	0	55	Stopped	222.3
750	0	72	Stopped	232.4
751	0	80	Stopped	250.2
752	0	5	Stopped	44.9
753	0	78	Stopped	242.5
754	0	9	Stopped	11.05
755	0	118	Stopped	222.3
756	0	89	Stopped	223.5
757	0	74	Stopped	234.3
758	0	7	Stopped	34.97
759	0	51	Stopped	209.8
760	0	37	Stopped	126.3
761	0	7	Stopped	12.32
762	0	61	Stopped	207.8
763	0	20	Stopped	9.336
764	0	61	Stopped	212.6

ID	Compute Time (s)	Events	Stopping Reason	End Loc
765	0	69	Stopped	200.1
766	0	66	Stopped	242.7
767	0	66	Stopped	209.7
768	0	6	Stopped	10.75
769	0	54	Stopped	230.7
770	0	52	Stopped	245.2
771	0	66	Stopped	105.6
772	0	7	Stopped	15.7
773	0	85	Stopped	226.7
774	0	27	Stopped	84.03
775	0	69	Stopped	105.6
776	0	45	Stopped	230.1
777	0	34	Stopped	195.9
778	0	76	Stopped	128.4
779	0	46	Stopped	234.9
780	0	92	Stopped	249.5
781	0	96	Stopped	223.5
782	0	115	Stopped	222.1
783	0	104	Stopped	249.3
784	0	64	Stopped	242.1
785	0	39	Stopped	194.1
786	0	61	Stopped	234.3
787	0	55	Stopped	126.2
788	0	46	Stopped	228.5
789	0	53	Stopped	128.3
790	0	34	Stopped	127.9
791	0	84	Stopped	207.6
792	0	63	Stopped	243
793	0	112	Stopped	222.1
794	0	73	Stopped	249.3
795	0	80	Stopped	222
796	0	55	Stopped	126.6
797	0	88	Stopped	128.4
798	0	45	Stopped	242.5
799	0	54	Stopped	238.4
800	0	69	Stopped	229.6
801	0	108	Stopped	222.1
802	0	80	Stopped	223.5
803	0	72	Stopped	207.7
804	0	61	Stopped	244.2
805	0	79	Stopped	212.8
806	0	111	Stopped	222.1
807	0	52	Stopped	128.3
808	0	86	Stopped	200.1
809	0	61	Stopped	105.6

ID	Compute Time (s)	Events	Stopping Reason	End Loc
810	0	7	Stopped	34.91
811	0	5	Stopped	33.19
812	0	39	Stopped	66.52
813	0	47	Stopped	201
814	0	61	Stopped	128.4
815	0	38	Stopped	229.1
816	0	5	Stopped	14.14
817	0	92	Stopped	222.1
818	0	5	Stopped	15.49
819	0	48	Stopped	86.94
820	0	85	Stopped	207.3
821	0	54	Stopped	235
822	0	64	Stopped	128.4
823	0	66	Stopped	234.7
824	0	69	Stopped	267.8
825	0	42	Stopped	231.4
826	0	75	Stopped	234.7
827	0	75	Stopped	225.2
828	0	49	Stopped	126.3
829	0	93	Stopped	210.2
830	0	46	Stopped	195.9
831	0	55	Stopped	128.4
832	0	7	Stopped	15.59
833	0	86	Stopped	223.5
834	0	155	Stopped	306.9
835	0	68	Stopped	200.1
836	0	60	Stopped	237.1
837	0	83	Stopped	200.1
838	0	60	Stopped	128.4
839	0	39	Stopped	194.1
840	0	68	Stopped	128.1
841	0	37	Stopped	126
842	0	22	Stopped	100.1
843	0	26	Stopped	194
844	0	49	Stopped	232.8
845	0	57	Stopped	242.9
846	0	79	Stopped	105.6
847	0	75	Stopped	128.4
848	0	60	Stopped	210.9
849	0	31	Stopped	9.335
850	0	52	Stopped	105.6
851	0	70	Stopped	207.4
852	0	61	Stopped	128.4
853	0	60	Stopped	242.6
854	0	10	Stopped	12.73

ID	Compute Time (s)	Events	Stopping Reason	End Loc
855	0	41	Stopped	226
856	0	62	Stopped	241.3
857	0	14	Stopped	66.84
858	0	72	Stopped	223.5
859	0	102	Stopped	223.5
860	0	59	Stopped	128.4
861	0	48	Stopped	105.6
862	0	62	Stopped	128.4
863	0	78	Stopped	194.3
864	0	72	Stopped	230.8
865	0	62	Stopped	128.1
866	0	41	Stopped	127.9
867	0	83	Stopped	236.4
868	0	96	Stopped	222.3
869	0	47	Stopped	237.4
870	0	44	Stopped	211.1
871	0	98	Stopped	221.9
872	0	20	Stopped	9.336
873	0	76	Stopped	207.8
874	0	61	Stopped	207.8
875	0	61	Stopped	228.4
876	0	95	Stopped	200.1
877	0	5	Stopped	14.5
878	0	74	Stopped	230.2
879	0	42	Stopped	128.4
880	0	166	Stopped	222.1
881	0	84	Stopped	128.4
882	0	65	Stopped	194.3
883	0	63	Stopped	232.7
884	0	81	Stopped	208
885	0	104	Stopped	247.8
886	0	87	Stopped	200.1
887	0	65	Stopped	212.6
888	0	81	Stopped	232.8
889	0	37	Stopped	9.336
890	0	38	Stopped	195.9
891	0	74	Stopped	243
892	0	88	Stopped	128.4
893	0	50	Stopped	123.4
894	0	88	Stopped	128.4
895	0	50	Stopped	128
896	0	137	Stopped	223.5
897	0	41	Stopped	192.5
898	0	74	Stopped	128.4
899	0	57	Stopped	194.3

ID	Compute Time (s)	Events	Stopping Reason	End Loc
900	0	50	Stopped	246.6
901	0	128	Stopped	222
902	0	96	Stopped	221.9
903	0	5	Stopped	12.79
904	0	42	Stopped	126.5
905	0	72	Stopped	255.2
906	0	95	Stopped	200.1
907	0	59	Stopped	233.7
908	0	9	Stopped	84.03
909	0	61	Stopped	192.5
910	0	55	Stopped	212.3
911	0	5	Stopped	12.4
912	0	103	Stopped	222.2
913	0	66	Stopped	209.9
914	0	56	Stopped	128.4
915	0	48	Stopped	105.6
916	0	29	Stopped	127.9
917	0	71	Stopped	212.7
918	0	74	Stopped	207.6
919	0	50	Stopped	227.8
920	0	34	Stopped	233.6
921	0	85	Stopped	223.5
922	0	31	Stopped	126.4
923	0	29	Stopped	194.2
924	0	72	Stopped	212.5
925	0	45	Stopped	232.1
926	0	85	Stopped	224.4
927	0	29	Stopped	126.5
928	0	128	Stopped	223.5
929	0	42	Stopped	229.2
930	0	37	Stopped	128.4
931	0	9	Stopped	10.98
932	0	97	Stopped	223.5
933	0	51	Stopped	227.9
934	0	75	Stopped	232.6
935	0	125	Stopped	222.2
936	0	7	Stopped	44.68
937	0	49	Stopped	236
938	0	77	Stopped	256
939	0	61	Stopped	194.3
940	0	48	Stopped	228.5
941	0	12	Stopped	12.67
942	0	40	Stopped	126.6
943	0	60	Stopped	230.3
944	0	40	Stopped	239.1

ID	Compute Time (s)	Events	Stopping Reason	End Loc
945	0	57	Stopped	229
946	0	151	Stopped	306.9
947	0	76	Stopped	229.6
948	0	50	Stopped	239.7
949	0	100	Stopped	222
950	0	21	Stopped	9.335
951	0	4	Stopped	10.88
952	0	61	Stopped	128.4
953	0	35	Stopped	100.1
954	0	128	Stopped	223.5
955	0	89	Stopped	212.7
956	0	93	Stopped	128.4
957	0	31	Stopped	9.336
958	0	92	Stopped	226.5
959	0	70	Stopped	128.4
960	0	69	Stopped	128.4
961	0	75	Stopped	229.5
962	0	60	Stopped	234.7
963	0	87	Stopped	223.5
964	0	70	Stopped	207.4
965	0	5	Stopped	12.78
966	0	25	Stopped	226.2
967	0	43	Stopped	192.4
968	0	100	Stopped	128.4
969	0	62	Stopped	229.5
970	0	83	Stopped	200.1
971	0	101	Stopped	200.1
972	0	65	Stopped	230.9
973	0	90	Stopped	128.4
974	0	62	Stopped	241.7
975	0	70	Stopped	247.9
976	0	85	Stopped	222.2
977	0	5	Stopped	14.35
978	0	61	Stopped	237.3
979	0	66	Stopped	226.2
980	0	97	Stopped	221.8
981	0	77	Stopped	128.4
982	0	75	Stopped	105.6
983	0	102	Stopped	221.9
984	0	57	Stopped	209.7
985	0	5	Stopped	33.18
986	0	51	Stopped	241.9
987	0	49	Stopped	233.7
988	0	86	Stopped	242.4
989	0	70	Stopped	232.4

ID	Compute Time (s)	Events	Stopping Reason	End Loc
990	0	79	Stopped	242.1
991	0	118	Stopped	223.5
992	0	65	Stopped	210.4
993	0	3	Stopped	14.52
994	0	48	Stopped	236.3
995	0	61	Stopped	229.1
996	0	59	Stopped	246.4
997	0	83	Stopped	207.3
998	0	92	Stopped	223.5
999	0	61	Stopped	128.4
1000	0	44	Stopped	236
1001	0	52	Stopped	128.4
1002	0	112	Stopped	222.3
1003	0	53	Stopped	244.3
1004	0	60	Stopped	105.6
1005	0	22	Stopped	128.4
1006	0	42	Stopped	227.3
1007	0	34	Stopped	126.5
1008	0	68	Stopped	194.3
1009	0	11	Stopped	67.03
1010	0	25	Stopped	128.2
1011	0	64	Stopped	232.7
1012	0	30	Stopped	229.8
1013	0	46	Stopped	242.6
1014	0	43	Stopped	250.1
1015	0	51	Stopped	200.9
1016	0	85	Stopped	235.6
1017	0	40	Stopped	233.6
1018	0	38	Stopped	128.4
1019	0	43	Stopped	212.6
1020	0	55	Stopped	128.4
1021	0	47	Stopped	238.5
1022	0	59	Stopped	242.1
1023	0	44	Stopped	128.4
1024	0	52	Stopped	232.4
1025	0	46	Stopped	229.3
1026	0	83	Stopped	200.1
1027	0	70	Stopped	207.4
1028	0	24	Stopped	128.2
1029	0	48	Stopped	128.4
1030	0	97	Stopped	222
1031	0	62	Stopped	128.4
1032	0	42	Stopped	128.4
1033	0	77	Stopped	207.8
1034	0	80	Stopped	230.5

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1035	0	43	Stopped	230.9
1036	0	48	Stopped	233.8
1037	0	24	Stopped	128.2
1038	0	45	Stopped	194.3
1039	0	26	Stopped	240.3
1040	0	53	Stopped	242.5
1041	0	40	Stopped	128.4
1042	0	30	Stopped	126.5
1043	0	69	Stopped	242.3
1044	0	26	Stopped	128.3
1045	0	47	Stopped	207.6
1046	0	37	Stopped	228.5
1047	0	59	Stopped	237.5
1048	0	67	Stopped	235.1
1049	0	19	Stopped	128
1050	0	76	Stopped	200.1
1051	0	47	Stopped	200.1
1052	0	48	Stopped	237.3
1053	0	43	Stopped	128
1054	0	56	Stopped	258.7
1055	0	43	Stopped	210.8
1056	0	27	Stopped	128.4
1057	0	53	Stopped	128.4
1058	0	41	Stopped	209.6
1059	0	46	Stopped	235.1
1060	0	100	Stopped	223.5
1061	0	21	Stopped	227.2
1062	0	41	Stopped	128.4
1063	0	48	Stopped	242.4
1064	0	85	Stopped	194.3
1065	0	62	Stopped	128.4
1066	0	62	Stopped	237
1067	0	49	Stopped	229.5
1068	0	121	Stopped	223.5
1069	0	47	Stopped	225.2
1070	0	64	Stopped	200.1
1071	0	49	Stopped	212.7
1072	0	30	Stopped	128.3
1073	0	54	Stopped	128.4
1074	0	37	Stopped	210.9
1075	0	36	Stopped	126.4
1076	0	61	Stopped	229.2
1077	0	41	Stopped	232.7
1078	0	65	Stopped	128.4
1079	0	31	Stopped	128.4

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1080	0	44	Stopped	236.5
1081	0	65	Stopped	225.2
1082	0	129	Stopped	223.5
1083	0	68	Stopped	232.5
1084	0	44	Stopped	192.5
1085	0	37	Stopped	212.8
1086	0	50	Stopped	251.2
1087	0	61	Stopped	128.4
1088	0	42	Stopped	247.7
1089	0	47	Stopped	240.2
1090	0	45	Stopped	229.6
1091	0	36	Stopped	128.4
1092	0	49	Stopped	194.9
1093	0	69	Stopped	200.1
1094	0	45	Stopped	229.1
1095	0	42	Stopped	208.1
1096	0	69	Stopped	207.5
1097	0	36	Stopped	230.2
1098	0	53	Stopped	128.4
1099	0	36	Stopped	210.4
1100	0	37	Stopped	246.6
1101	0	68	Stopped	223.5
1102	0	118	Stopped	223.5
1103	0	61	Stopped	128.4
1104	0	32	Stopped	128.4
1105	0	40	Stopped	228.4
1106	0	26	Stopped	128.4
1107	0	46	Stopped	194.3
1108	0	29	Stopped	67.87
1109	0	47	Stopped	231.1
1110	0	72	Stopped	237.1
1111	0	27	Stopped	128.3
1112	0	70	Stopped	237.4
1113	0	69	Stopped	128.4
1114	0	57	Stopped	242
1115	0	22	Stopped	85.57
1116	0	52	Stopped	232.7
1117	0	46	Stopped	230.8
1118	0	83	Stopped	223.5
1119	0	74	Stopped	200.1
1120	0	43	Stopped	210.4
1121	0	98	Stopped	222.1
1122	0	42	Stopped	234.9
1123	0	102	Stopped	222
1124	0	39	Stopped	194.3

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1125	0	80	Stopped	222
1126	0	76	Stopped	240.8
1127	0	65	Stopped	253.6
1128	0	111	Stopped	222.3
1129	0	45	Stopped	128.4
1130	0	22	Stopped	128.3
1131	0	48	Stopped	251.4
1132	0	34	Stopped	126.6
1133	0	102	Stopped	222
1134	0	39	Stopped	250.1
1135	0	37	Stopped	237.2
1136	0	30	Stopped	195.8
1137	0	45	Stopped	194.9
1138	0	64	Stopped	230.9
1139	0	54	Stopped	207.6
1140	0	48	Stopped	228.7
1141	0	37	Stopped	192.5
1142	0	41	Stopped	194.3
1143	0	43	Stopped	128.4
1144	0	59	Stopped	128.4
1145	0	30	Stopped	228.7
1146	0	39	Stopped	232.7
1147	0	94	Stopped	222
1148	0	55	Stopped	247.6
1149	0	32	Stopped	232.4
1150	0	32	Stopped	200.9
1151	0	56	Stopped	236.5
1152	0	47	Stopped	229.8
1153	0	71	Stopped	221.9
1154	0	41	Stopped	208.1
1155	0	33	Stopped	66.52
1156	0	68	Stopped	221.9
1157	0	60	Stopped	207.9
1158	0	42	Stopped	236.4
1159	0	57	Stopped	200.1
1160	0	48	Stopped	251.9
1161	0	58	Stopped	200.1
1162	0	52	Stopped	251.7
1163	0	38	Stopped	252.9
1164	0	31	Stopped	229.2
1165	0	35	Stopped	212.5
1166	0	22	Stopped	128.2
1167	0	30	Stopped	126.5
1168	0	56	Stopped	230.4
1169	0	47	Stopped	239.7

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1170	0	22	Stopped	128.2
1171	0	84	Stopped	200.1
1172	0	41	Stopped	256
1173	0	80	Stopped	200.1
1174	0	46	Stopped	226.7
1175	0	62	Stopped	207.5
1176	0	52	Stopped	247.8
1177	0	40	Stopped	208.2
1178	0	68	Stopped	233.3
1179	0	44	Stopped	233.8
1180	0	43	Stopped	229.7
1181	0	47	Stopped	229
1182	0	36	Stopped	126.4
1183	0	84	Stopped	222.2
1184	0	40	Stopped	235
1185	0	37	Stopped	128.4
1186	0	57	Stopped	128.4
1187	0	63	Stopped	236.8
1188	0	46	Stopped	241.7
1189	0	104	Stopped	200.1
1190	0	79	Stopped	222.2
1191	0	44	Stopped	229.5
1192	0	109	Stopped	223.5
1193	0	23	Stopped	226.7
1194	0	83	Stopped	222
1195	0	30	Stopped	196
1196	0	25	Stopped	128.4
1197	0	35	Stopped	230.4
1198	0	34	Stopped	209.9
1199	0	36	Stopped	126.6
1200	0	31	Stopped	66.52
1201	0	54	Stopped	205.4
1202	0	33	Stopped	239.5
1203	0	25	Stopped	126.3
1204	0	107	Stopped	223.5
1205	0	41	Stopped	245.9
1206	0	38	Stopped	212.6
1207	0	22	Stopped	128.3
1208	0	32	Stopped	230.5
1209	0	41	Stopped	128.4
1210	0	89	Stopped	222.1
1211	0	30	Stopped	126.5
1212	0	44	Stopped	235.7
1213	0	57	Stopped	207.4
1214	0	23	Stopped	195.9

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1215	0	65	Stopped	207.9
1216	0	39	Stopped	236.7
1217	0	104	Stopped	222.1
1218	0	53	Stopped	209.8
1219	0	49	Stopped	233.1
1220	0	82	Stopped	208.1
1221	0	61	Stopped	128.4
1222	0	39	Stopped	230.2
1223	0	89	Stopped	223.5
1224	0	44	Stopped	237.1
1225	0	58	Stopped	258.3
1226	0	67	Stopped	223.5
1227	0	109	Stopped	207.8
1228	0	36	Stopped	194.3
1229	0	59	Stopped	128.4
1230	0	66	Stopped	128.4
1231	0	44	Stopped	251.5
1232	0	17	Stopped	195.8
1233	0	54	Stopped	128.4
1234	0	17	Stopped	194.1
1235	0	38	Stopped	205.3
1236	0	56	Stopped	233.5
1237	0	45	Stopped	233.2
1238	0	33	Stopped	194.3
1239	0	80	Stopped	223.5
1240	0	69	Stopped	223.5
1241	0	54	Stopped	241.9
1242	0	69	Stopped	207.9
1243	0	51	Stopped	236.2
1244	0	28	Stopped	128.2
1245	0	53	Stopped	233.3
1246	0	51	Stopped	128.4
1247	0	52	Stopped	212.6
1248	0	59	Stopped	223.5
1249	0	19	Stopped	64.1
1250	0	54	Stopped	194.3
1251	0	59	Stopped	200.1
1252	0	22	Stopped	65.25
1253	0	84	Stopped	222.3
1254	0	42	Stopped	225.6
1255	0	30	Stopped	128.3
1256	0	49	Stopped	239.8
1257	0	57	Stopped	229.7
1258	0	71	Stopped	200.1
1259	0	48	Stopped	194.3

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1260	0	41	Stopped	194.3
1261	0	53	Stopped	245.3
1262	0	34	Stopped	255.8
1263	0	48	Stopped	236.5
1264	0	49	Stopped	209.4
1265	0	55	Stopped	207.8
1266	0	123	Stopped	223.5
1267	0	47	Stopped	229.2
1268	0	40	Stopped	253.1
1269	0	47	Stopped	128.4
1270	0	53	Stopped	207.5
1271	0	100	Stopped	223.5
1272	0	61	Stopped	200.1
1273	0	51	Stopped	234.5
1274	0	34	Stopped	229.6
1275	0	76	Stopped	128.4
1276	0	29	Stopped	126.2
1277	0	110	Stopped	222.1
1278	0	17	Stopped	63.89
1279	0	69	Stopped	225.5
1280	0	55	Stopped	128.4
1281	0	22	Stopped	123.5
1282	0	42	Stopped	128.4
1283	0	85	Stopped	228.5
1284	0	77	Stopped	207.8
1285	0	98	Stopped	222.2
1286	0	63	Stopped	229.5
1287	0	28	Stopped	126.3
1288	0	25	Stopped	128.4
1289	0	30	Stopped	128.2
1290	0	27	Stopped	226.1
1291	0	40	Stopped	251.1
1292	0	100	Stopped	222
1293	0	43	Stopped	128.4
1294	0	30	Stopped	126.5
1295	0	52	Stopped	232.8
1296	0	58	Stopped	225
1297	0	26	Stopped	65.09
1298	0	51	Stopped	242.3
1299	0	47	Stopped	205.2
1300	0	82	Stopped	222.3
1301	0	64	Stopped	208
1302	0	40	Stopped	244.5
1303	0	53	Stopped	229.6
1304	0	69	Stopped	128.4

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1305	0	120	Stopped	223.5
1306	0	55	Stopped	200.1
1307	0	35	Stopped	128.4
1308	0	50	Stopped	256.1
1309	0	33	Stopped	229.9
1310	0	37	Stopped	126.2
1311	0	39	Stopped	232.2
1312	0	63	Stopped	267.4
1313	0	65	Stopped	200.1
1314	0	61	Stopped	128.4
1315	0	32	Stopped	251.6
1316	0	40	Stopped	236.8
1317	0	50	Stopped	238.2
1318	0	61	Stopped	200.1
1319	0	38	Stopped	232.6
1320	0	91	Stopped	223.5
1321	0	48	Stopped	253.6
1322	0	37	Stopped	229.3
1323	0	42	Stopped	232.4
1324	0	54	Stopped	232.5
1325	0	18	Stopped	84.03
1326	0	41	Stopped	194.3
1327	0	61	Stopped	128.4
1328	0	31	Stopped	229.1
1329	0	55	Stopped	207.6
1330	0	52	Stopped	234.3
1331	0	57	Stopped	128.4
1332	0	16	Stopped	67.01
1333	0	25	Stopped	228
1334	0	42	Stopped	236.4
1335	0	41	Stopped	246.6
1336	0	47	Stopped	233.3
1337	0	54	Stopped	236.9
1338	0	29	Stopped	128.4
1339	0	30	Stopped	126.5
1340	0	49	Stopped	212.9
1341	0	91	Stopped	222.2
1342	0	68	Stopped	200.1
1343	0	34	Stopped	233.9
1344	0	33	Stopped	66.52
1345	0	42	Stopped	230.9
1346	0	30	Stopped	126.5
1347	0	13	Stopped	66.89
1348	0	93	Stopped	222
1349	0	53	Stopped	207.3

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1350	0	99	Stopped	221.9
1351	0	37	Stopped	229.8
1352	0	47	Stopped	238.2
1353	0	47	Stopped	194.3
1354	0	49	Stopped	207.6
1355	0	50	Stopped	128.4
1356	0	45	Stopped	251.2
1357	0	56	Stopped	232.4
1358	0	41	Stopped	256.1
1359	0	34	Stopped	209.7
1360	0	47	Stopped	242.5
1361	0	45	Stopped	212.3
1362	0	50	Stopped	212.6
1363	0	67	Stopped	243.2
1364	0	30	Stopped	126.6
1365	0	64	Stopped	207.3
1366	0	60	Stopped	128.4
1367	0	65	Stopped	128.4
1368	0	68	Stopped	230.1
1369	0	35	Stopped	210.6
1370	0	53	Stopped	253
1371	0	58	Stopped	128.4
1372	0	53	Stopped	238.2
1373	0	53	Stopped	255.8
1374	0	42	Stopped	205.2
1375	0	53	Stopped	212.7
1376	0	41	Stopped	239.1
1377	0	45	Stopped	232.1
1378	0	61	Stopped	247.6
1379	0	78	Stopped	222
1380	0	55	Stopped	230.3
1381	0	54	Stopped	255.8
1382	0	111	Stopped	223.5
1383	0	103	Stopped	221.9
1384	0	69	Stopped	200.1
1385	0	42	Stopped	232.5
1386	0	40	Stopped	209.7
1387	0	56	Stopped	207.5
1388	0	50	Stopped	242.4
1389	0	35	Stopped	229.5
1390	0	43	Stopped	128.1
1391	0	38	Stopped	232.4
1392	0	57	Stopped	232
1393	0	39	Stopped	232.7
1394	0	48	Stopped	230.7

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1395	0	47	Stopped	222
1396	0	49	Stopped	212.7
1397	0	49	Stopped	234.5
1398	0	52	Stopped	223.5
1399	0	51	Stopped	224.6
1400	0	56	Stopped	229.5
1401	0	49	Stopped	128.4
1402	0	54	Stopped	229.1
1403	0	60	Stopped	234.3
1404	0	46	Stopped	229.7
1405	0	29	Stopped	228.6
1406	0	38	Stopped	208.3
1407	0	27	Stopped	227.2
1408	0	61	Stopped	207.5
1409	0	36	Stopped	250
1410	0	47	Stopped	230.8
1411	0	60	Stopped	128.4
1412	0	79	Stopped	200.1
1413	0	49	Stopped	227.9
1414	0	47	Stopped	228.3
1415	0	53	Stopped	232.3
1416	0	37	Stopped	249.6
1417	0	42	Stopped	227.9
1418	0	54	Stopped	251.9
1419	0	53	Stopped	247.5
1420	0	49	Stopped	231.6
1421	0	21	Stopped	195.7
1422	0	19	Stopped	63.95
1423	0	97	Stopped	207.6
1424	0	48	Stopped	242.1
1425	0	41	Stopped	128.2
1426	0	38	Stopped	230.7
1427	0	50	Stopped	252.5
1428	0	67	Stopped	243.3
1429	0	57	Stopped	255.7
1430	0	42	Stopped	128.4
1431	0	47	Stopped	210.6
1432	0	49	Stopped	229.5
1433	0	49	Stopped	205.3
1434	0	56	Stopped	234.7
1435	0	104	Stopped	222
1436	0	60	Stopped	128.4
1437	0	80	Stopped	221.9
1438	0	43	Stopped	226.4
1439	0	26	Stopped	128.4

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1440	0	51	Stopped	236.4
1441	0	79	Stopped	222.2
1442	0	47	Stopped	194.3
1443	0	49	Stopped	212.6
1444	0	50	Stopped	232.5
1445	0	57	Stopped	228.9
1446	0	35	Stopped	210.9
1447	0	79	Stopped	222.2
1448	0	37	Stopped	128.4
1449	0	75	Stopped	200.1
1450	0	99	Stopped	221.9
1451	0	44	Stopped	210
1452	0	72	Stopped	222.1
1453	0	45	Stopped	250.2
1454	0	35	Stopped	233.9
1455	0	113	Stopped	200.1
1456	0	66	Stopped	251.8
1457	0	62	Stopped	105.6
1458	0	52	Stopped	229.3
1459	0	43	Stopped	128.4
1460	0	56	Stopped	229.6
1461	0	20	Stopped	128.3
1462	0	53	Stopped	232.7
1463	0	60	Stopped	128.3
1464	0	41	Stopped	236.4
1465	0	56	Stopped	232.6
1466	0	44	Stopped	230.3
1467	0	57	Stopped	200.1
1468	0	31	Stopped	128.4
1469	0	45	Stopped	253.1
1470	0	103	Stopped	222.2
1471	0	40	Stopped	234.7
1472	0	48	Stopped	200.9
1473	0	47	Stopped	228.5
1474	0	35	Stopped	128.4
1475	0	43	Stopped	242
1476	0	96	Stopped	230.3
1477	0	31	Stopped	229
1478	0	70	Stopped	242.6
1479	0	59	Stopped	229.4
1480	0	48	Stopped	207.9
1481	0	32	Stopped	126.5
1482	0	79	Stopped	222
1483	0	62	Stopped	225.6
1484	0	85	Stopped	200.1

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1485	0	62	Stopped	257.5
1486	0	62	Stopped	128.4
1487	0	59	Stopped	128.4
1488	0	71	Stopped	222.3
1489	0	54	Stopped	192.5
1490	0	63	Stopped	128.4
1491	0	32	Stopped	233.9
1492	0	49	Stopped	233.3
1493	0	86	Stopped	223.5
1494	0	31	Stopped	228.6
1495	0	95	Stopped	222.1
1496	0	42	Stopped	248.9
1497	0	34	Stopped	226.3
1498	0	52	Stopped	233.9
1499	0	37	Stopped	244.4
1500	0	29	Stopped	67.9
1501	0	42	Stopped	228.7
1502	0	69	Stopped	200.9
1503	0	49	Stopped	233.2
1504	0	105	Stopped	207.3
1505	0	61	Stopped	223.5
1506	0	53	Stopped	194.3
1507	0	42	Stopped	248.5
1508	0	54	Stopped	228.4
1509	0	26	Stopped	67.94
1510	0	48	Stopped	244.7
1511	0	42	Stopped	128.4
1512	0	77	Stopped	128.4
1513	0	49	Stopped	228.1
1514	0	61	Stopped	205.3
1515	0	58	Stopped	248
1516	0	34	Stopped	228.5
1517	0	51	Stopped	233.8
1518	0	56	Stopped	207.5
1519	0	32	Stopped	126.6
1520	0	52	Stopped	251
1521	0	49	Stopped	256.1
1522	0	33	Stopped	229.6
1523	0	93	Stopped	200.1
1524	0	65	Stopped	194.3
1525	0	59	Stopped	128.4
1526	0	91	Stopped	222.2
1527	0	43	Stopped	128.4
1528	0	38	Stopped	128.4
1529	0	50	Stopped	229.1

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1530	0	63	Stopped	276.1
1531	0	103	Stopped	223.5
1532	0	32	Stopped	210.1
1533	0	61	Stopped	256.2
1534	0	53	Stopped	128.4
1535	0	54	Stopped	258.7
1536	0	40	Stopped	233.7
1537	0	62	Stopped	128.4
1538	0	116	Stopped	222
1539	0	50	Stopped	235.6
1540	0	110	Stopped	222.1
1541	0	35	Stopped	194.3
1542	0	68	Stopped	200.1
1543	0	55	Stopped	233.3
1544	0	41	Stopped	247.9
1545	0	55	Stopped	237.3
1546	0	34	Stopped	268.2
1547	0	48	Stopped	226.9
1548	0	45	Stopped	207.6
1549	0	63	Stopped	207.5
1550	0	61	Stopped	128.4
1551	0	66	Stopped	200.1
1552	0	43	Stopped	227
1553	0	31	Stopped	195.6
1554	0	71	Stopped	200.1
1555	0	67	Stopped	128.4
1556	0	30	Stopped	66.52
1557	0	53	Stopped	128.4
1558	0	34	Stopped	228.5
1559	0	45	Stopped	229.1
1560	0	105	Stopped	222
1561	0	66	Stopped	255.1
1562	0	38	Stopped	231
1563	0	34	Stopped	228.5
1564	0	56	Stopped	207.3
1565	0	40	Stopped	232.6
1566	0	38	Stopped	128.4
1567	0	56	Stopped	231
1568	0	20	Stopped	67.83
1569	0	89	Stopped	221.9
1570	0	28	Stopped	126.4
1571	0	39	Stopped	226.8
1572	0	45	Stopped	244.7
1573	0	35	Stopped	194.3
1574	0	101	Stopped	222.1

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1575	0	21	Stopped	196
1576	0	21	Stopped	66.61
1577	0	47	Stopped	231.6
1578	0	48	Stopped	238.6
1579	0	42	Stopped	237.2
1580	0	49	Stopped	232.4
1581	0	30	Stopped	212.7
1582	0	46	Stopped	230.8
1583	0	35	Stopped	231
1584	0	49	Stopped	238
1585	0	24	Stopped	128.2
1586	0	52	Stopped	205.4
1587	0	56	Stopped	232.8
1588	0	35	Stopped	229.2
1589	0	73	Stopped	200.1
1590	0	36	Stopped	128.4
1591	0	26	Stopped	238.6
1592	0	30	Stopped	126.5
1593	0	129	Stopped	223.5
1594	0	45	Stopped	234.7
1595	0	44	Stopped	103.2
1596	0	47	Stopped	234.3
1597	0	92	Stopped	222.3
1598	0	25	Stopped	128.3
1599	0	50	Stopped	208
1600	0	23	Stopped	128.3
1601	0	58	Stopped	245.4
1602	0	51	Stopped	128.4
1603	0	52	Stopped	234.5
1604	0	77	Stopped	200.1
1605	0	44	Stopped	209.6
1606	0	66	Stopped	234.9
1607	0	92	Stopped	222
1608	0	17	Stopped	65.23
1609	0	65	Stopped	207.8
1610	0	51	Stopped	194.3
1611	0	49	Stopped	128.4
1612	0	92	Stopped	222
1613	0	37	Stopped	194.3
1614	0	84	Stopped	223.5
1615	0	32	Stopped	128.4
1616	0	54	Stopped	228
1617	0	39	Stopped	251.3
1618	0	55	Stopped	128.4
1619	0	47	Stopped	231.9

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1620	0	29	Stopped	128.3
1621	0	62	Stopped	234.7
1622	0	48	Stopped	225.7
1623	0	52	Stopped	248.3
1624	0	30	Stopped	128.4
1625	0	46	Stopped	201.2
1626	0	36	Stopped	246.7
1627	0	44	Stopped	234.9
1628	0	44	Stopped	231.8
1629	0	95	Stopped	200.9
1630	0	59	Stopped	257.3
1631	0	55	Stopped	200.1
1632	0	44	Stopped	194.3
1633	0	45	Stopped	210.6
1634	0	54	Stopped	128.4
1635	0	60	Stopped	207.5
1636	0	39	Stopped	253.8
1637	0	93	Stopped	207.4
1638	0	50	Stopped	230.1
1639	0	37	Stopped	251.1
1640	0	97	Stopped	227.3
1641	0	49	Stopped	232.4
1642	0	92	Stopped	222.1
1643	0	40	Stopped	126.5
1644	0	45	Stopped	128.3
1645	0	26	Stopped	245.5
1646	0	49	Stopped	233.8
1647	0	31	Stopped	231
1648	0	38	Stopped	232.7
1649	0	31	Stopped	128.4
1650	0	22	Stopped	192.4
1651	0	41	Stopped	128.4
1652	0	33	Stopped	228.6
1653	0	108	Stopped	222
1654	0	44	Stopped	212.8
1655	0	70	Stopped	128.4
1656	0	54	Stopped	194.3
1657	0	68	Stopped	200.1
1658	0	79	Stopped	223.5
1659	0	46	Stopped	210.3
1660	0	37	Stopped	233.5
1661	0	67	Stopped	207.7
1662	0	95	Stopped	229.9
1663	0	36	Stopped	128.4
1664	0	36	Stopped	128.4

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1665	0	51	Stopped	207.8
1666	0	45	Stopped	231.9
1667	0	56	Stopped	128.4
1668	0	57	Stopped	200.1
1669	0	58	Stopped	251.4
1670	0	51	Stopped	128
1671	0	42	Stopped	240
1672	0	34	Stopped	194.3
1673	0	45	Stopped	231.8
1674	0	78	Stopped	222.1
1675	0	57	Stopped	237.4
1676	0	70	Stopped	222.1
1677	0	54	Stopped	211
1678	0	44	Stopped	194.3
1679	0	51	Stopped	208
1680	0	56	Stopped	207.8
1681	0	15	Stopped	196
1682	0	39	Stopped	210
1683	0	47	Stopped	128.4
1684	0	28	Stopped	128.3
1685	0	51	Stopped	233.6
1686	0	101	Stopped	222
1687	0	26	Stopped	201.1
1688	0	22	Stopped	128.4
1689	0	63	Stopped	128.4
1690	0	52	Stopped	232.6
1691	0	55	Stopped	222.3
1692	0	38	Stopped	257.5
1693	0	58	Stopped	207.9
1694	0	50	Stopped	212.8
1695	0	43	Stopped	245.3
1696	0	51	Stopped	210.8
1697	0	69	Stopped	128.4
1698	0	47	Stopped	252.4
1699	0	26	Stopped	128.2
1700	0	24	Stopped	195.5
1701	0	111	Stopped	223.5
1702	0	38	Stopped	230.2
1703	0	25	Stopped	128.3
1704	0	59	Stopped	128.4
1705	0	16	Stopped	194.3
1706	0	46	Stopped	232.4
1707	0	45	Stopped	128.4
1708	0	63	Stopped	229.3
1709	0	47	Stopped	238.6

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1710	0	63	Stopped	246.7
1711	0	30	Stopped	195.9
1712	0	70	Stopped	225.8
1713	0	35	Stopped	249.6
1714	0	43	Stopped	194.3
1715	0	43	Stopped	239.1
1716	0	67	Stopped	200.1
1717	0	58	Stopped	222.1
1718	0	36	Stopped	234.4
1719	0	59	Stopped	234.4
1720	0	47	Stopped	209.8
1721	0	27	Stopped	128.3
1722	0	49	Stopped	240.7
1723	0	69	Stopped	128.4
1724	0	65	Stopped	128.4
1725	0	61	Stopped	128.4
1726	0	72	Stopped	200.1
1727	0	34	Stopped	229.4
1728	0	32	Stopped	128.4
1729	0	106	Stopped	222.3
1730	0	41	Stopped	128.4
1731	0	57	Stopped	234.8
1732	0	41	Stopped	228.9
1733	0	41	Stopped	229.5
1734	0	22	Stopped	86.94
1735	0	37	Stopped	246
1736	0	21	Stopped	67.89
1737	0	33	Stopped	228.1
1738	0	51	Stopped	212.6
1739	0	43	Stopped	252.9
1740	0	48	Stopped	232.7
1741	0	69	Stopped	221.8
1742	0	56	Stopped	242.6
1743	0	52	Stopped	212.2
1744	0	43	Stopped	232
1745	0	49	Stopped	232.8
1746	0	65	Stopped	128.4
1747	0	61	Stopped	207.7
1748	0	40	Stopped	209.8
1749	0	63	Stopped	128.4
1750	0	34	Stopped	128.4
1751	0	77	Stopped	237.1
1752	0	59	Stopped	225.8
1753	0	45	Stopped	227.5
1754	0	25	Stopped	128.3

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1755	0	39	Stopped	245.9
1756	0	25	Stopped	128.3
1757	0	36	Stopped	242.5
1758	0	39	Stopped	207.6
1759	0	151	Stopped	223.5
1760	0	24	Stopped	192.3
1761	0	67	Stopped	207.6
1762	0	32	Stopped	126.6
1763	0	44	Stopped	235.1
1764	0	49	Stopped	232.2
1765	0	85	Stopped	221.9
1766	0	94	Stopped	222.2
1767	0	50	Stopped	210
1768	0	70	Stopped	200.1
1769	0	30	Stopped	126.6
1770	0	58	Stopped	128.4
1771	0	86	Stopped	223.5
1772	0	61	Stopped	236.7
1773	0	72	Stopped	207.8
1774	0	48	Stopped	228.9
1775	0	75	Stopped	221.9
1776	0	30	Stopped	126.4
1777	0	49	Stopped	261.3
1778	0	49	Stopped	238.4
1779	0	52	Stopped	212.6
1780	0	65	Stopped	128.4
1781	0	48	Stopped	212.8
1782	0	69	Stopped	237
1783	0	57	Stopped	230.9
1784	0	54	Stopped	238
1785	0	102	Stopped	207.8
1786	0	45	Stopped	242.4
1787	0	29	Stopped	128.4
1788	0	74	Stopped	223.5
1789	0	56	Stopped	128.4
1790	0	36	Stopped	194.3
1791	0	44	Stopped	247.8
1792	0	46	Stopped	233.6
1793	0	28	Stopped	128.3
1794	0	39	Stopped	229.3
1795	0	55	Stopped	226.9
1796	0	25	Stopped	201.1
1797	0	41	Stopped	212.5
1798	0	64	Stopped	128.4
1799	0	68	Stopped	235.9

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1800	0	70	Stopped	128.4
1801	0	100	Stopped	222.2
1802	0	88	Stopped	223.5
1803	0	52	Stopped	230.7
1804	0	69	Stopped	255.7
1805	0	100	Stopped	221.9
1806	0	37	Stopped	210.8
1807	0	71	Stopped	240.2
1808	0	39	Stopped	210.9
1809	0	74	Stopped	222.3
1810	0	43	Stopped	229
1811	0	57	Stopped	229.6
1812	0	43	Stopped	227.7
1813	0	48	Stopped	234.6
1814	0	135	Stopped	223.5
1815	0	43	Stopped	212.9
1816	0	32	Stopped	127.9
1817	0	69	Stopped	232
1818	0	46	Stopped	250.8
1819	0	77	Stopped	200.1
1820	0	34	Stopped	126.5
1821	0	42	Stopped	230.3
1822	0	47	Stopped	229.5
1823	0	41	Stopped	227.8
1824	0	52	Stopped	230.9
1825	0	43	Stopped	230.1
1826	0	25	Stopped	128.4
1827	0	35	Stopped	246.4
1828	0	26	Stopped	227.8
1829	0	53	Stopped	246.2
1830	0	60	Stopped	248.4
1831	0	106	Stopped	222.2
1832	0	53	Stopped	242
1833	0	70	Stopped	128.4
1834	0	37	Stopped	249.7
1835	0	52	Stopped	225.1
1836	0	69	Stopped	128.4
1837	0	39	Stopped	194.3
1838	0	64	Stopped	236.3
1839	0	42	Stopped	229.3
1840	0	24	Stopped	65.18
1841	0	37	Stopped	194.3
1842	0	47	Stopped	207.7
1843	0	93	Stopped	225
1844	0	45	Stopped	244.7

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1845	0	50	Stopped	227.9
1846	0	54	Stopped	211.1
1847	0	41	Stopped	231.6
1848	0	98	Stopped	222
1849	0	36	Stopped	232.5
1850	0	44	Stopped	229.5
1851	0	52	Stopped	194.3
1852	0	48	Stopped	241.5
1853	0	48	Stopped	194.9
1854	0	60	Stopped	226.5
1855	0	62	Stopped	212.8
1856	0	107	Stopped	222
1857	0	53	Stopped	194.3
1858	0	48	Stopped	234.4
1859	0	43	Stopped	233.2
1860	0	45	Stopped	232.5
1861	0	48	Stopped	225.2
1862	0	48	Stopped	229.8
1863	0	26	Stopped	128.3
1864	0	34	Stopped	126.4
1865	0	42	Stopped	247.7
1866	0	61	Stopped	230.8
1867	0	36	Stopped	244.7
1868	0	46	Stopped	201.1
1869	0	61	Stopped	207.9
1870	0	42	Stopped	233.7
1871	0	53	Stopped	238.3
1872	0	36	Stopped	246.5
1873	0	28	Stopped	126.3
1874	0	20	Stopped	128.3
1875	0	54	Stopped	226.1
1876	0	31	Stopped	128.4
1877	0	64	Stopped	128.4
1878	0	76	Stopped	200.1
1879	0	50	Stopped	230.7
1880	0	50	Stopped	212.6
1881	0	41	Stopped	245.2
1882	0	28	Stopped	126.3
1883	0	59	Stopped	126
1884	0	80	Stopped	223.5
1885	0	112	Stopped	223.5
1886	0	49	Stopped	251.9
1887	0	67	Stopped	242.6
1888	0	41	Stopped	231.4
1889	0	40	Stopped	231.6

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1890	0	29	Stopped	234
1891	0	53	Stopped	233.3
1892	0	75	Stopped	200.1
1893	0	79	Stopped	200.1
1894	0	26	Stopped	128.4
1895	0	126	Stopped	223.5
1896	0	48	Stopped	234.7
1897	0	36	Stopped	128
1898	0	79	Stopped	200.1
1899	0	41	Stopped	128.4
1900	0	42	Stopped	242.3
1901	0	39	Stopped	253.5
1902	0	49	Stopped	128.4
1903	0	37	Stopped	128.4
1904	0	26	Stopped	192.4
1905	0	51	Stopped	229.6
1906	0	53	Stopped	242.4
1907	0	70	Stopped	128.4
1908	0	60	Stopped	228.5
1909	0	44	Stopped	234.3
1910	0	40	Stopped	126.4
1911	0	45	Stopped	230.2
1912	0	44	Stopped	194.3
1913	0	50	Stopped	237.3
1914	0	58	Stopped	242.6
1915	0	52	Stopped	232
1916	0	98	Stopped	223.5
1917	0	54	Stopped	249.3
1918	0	54	Stopped	251.1
1919	0	52	Stopped	240
1920	0	28	Stopped	128.4
1921	0	44	Stopped	207.3
1922	0	67	Stopped	238.4
1923	0	27	Stopped	195.7
1924	0	59	Stopped	207.6
1925	0	49	Stopped	209.8
1926	0	59	Stopped	194.3
1927	0	70	Stopped	128.4
1928	0	23	Stopped	128.1
1929	0	61	Stopped	232.5
1930	0	30	Stopped	128.4
1931	0	45	Stopped	229.5
1932	0	50	Stopped	228.1
1933	0	42	Stopped	234
1934	0	56	Stopped	236.7

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1935	0	75	Stopped	207.8
1936	0	35	Stopped	228.4
1937	0	47	Stopped	230.9
1938	0	58	Stopped	128.4
1939	0	61	Stopped	234.8
1940	0	47	Stopped	212.6
1941	0	56	Stopped	128.4
1942	0	57	Stopped	128.4
1943	0	31	Stopped	228.7
1944	0	111	Stopped	222.2
1945	0	34	Stopped	247.9
1946	0	48	Stopped	264.5
1947	0	42	Stopped	230.8
1948	0	86	Stopped	222.2
1949	0	38	Stopped	209.7
1950	0	91	Stopped	223.5
1951	0	56	Stopped	207.8
1952	0	38	Stopped	236.9
1953	0	62	Stopped	237
1954	0	25	Stopped	250.3
1955	0	50	Stopped	230.4
1956	0	60	Stopped	200.1
1957	0	34	Stopped	126.5
1958	0	20	Stopped	128.3
1959	0	38	Stopped	235.1
1960	0	66	Stopped	257.9
1961	0	24	Stopped	65.28
1962	0	39	Stopped	230.3
1963	0	20	Stopped	65.11
1964	0	70	Stopped	128.4
1965	0	85	Stopped	223.5
1966	0	97	Stopped	222.1
1967	0	56	Stopped	128.4
1968	0	62	Stopped	243.1
1969	0	64	Stopped	208
1970	0	46	Stopped	205.2
1971	0	73	Stopped	128.4
1972	0	40	Stopped	246.6
1973	0	59	Stopped	128.4
1974	0	48	Stopped	234.6
1975	0	41	Stopped	227.9
1976	0	56	Stopped	247.8
1977	0	40	Stopped	66.52
1978	0	44	Stopped	238.3
1979	0	44	Stopped	240.7

ID	Compute Time (s)	Events	Stopping Reason	End Loc
1980	0	57	Stopped	128.4
1981	0	28	Stopped	128.2
1982	0	54	Stopped	200.1
1983	0	44	Stopped	240.1
1984	0	70	Stopped	223.5
1985	0	78	Stopped	200.1
1986	0	56	Stopped	212.3
1987	0	39	Stopped	128.4
1988	0	67	Stopped	222
1989	0	77	Stopped	200.1
1990	0	31	Stopped	66.52
1991	0	47	Stopped	128.4
1992	0	48	Stopped	260.4
1993	0	45	Stopped	128.4
1994	0	30	Stopped	228.1
1995	0	19	Stopped	64.04
1996	0	57	Stopped	207.7
1997	0	22	Stopped	65.27
1998	0	28	Stopped	126.3
1999	0	28	Stopped	66.52