



<u>Relative Performance</u>	Method	Average	Dragon 1K	Dragon 10K	Dragon 100k	Balls	Trimesh1	Trimesh2	Trimesh3	Trimesh_14au
Sample Solution	BSP	4.321	1.069	1.238	2.267	0.523	1.529	7.635	3.104	17.207
1030119 & 0926572	BVH	1.024	1.000	1.000	1.064	1.104	1.000	1.000	1.000	1.000
1121141 & 1261294	BVH	1.495	1.365	1.409	1.311	1.000	1.514	1.826	2.042	1.919
1369747 & 1222561	BVH	1.503	1.279	1.500	1.120	1.583	1.485	1.706	1.845	1.836
1121903 & 1137261	BVH	1.713	1.607	1.460	1.153	3.161	1.002	1.972	1.635	1.404
1470683 & 1425096	BVH	2.009	1.539	1.382	1.000	2.547	1.508	3.221	2.869	2.007
1122016 & 1123464	Octree	26.554	10.661	13.159	16.877	42.233	12.240	59.410	31.297	45.820
1222489 & 1424986	BVH	36.566	1.920	1.738	1.362	3.367	46.891	197.584	3.102	58.987
1030125 & 1424936	k-d Tree	70.415	24.562	28.639	1.977	49.130	43.702	137.572	207.320	93.092
1430813 & 1427506	BVH	405.199	23.177	110.079	601.231	8.501	1348.901	384.262	360.243	283.341
1130418 & 1028607	BVH	638.765	45.406	340.921	1863.613	46.932	1199.857	521.041	453.589	2531.842

**Note:** Each box in the above table is a measure of performance relative to the fastest student solution (not the sample solution)

**Raw Times in Seconds**

	Method	Average	Dragon 1K	Dragon 10K	Dragon 100k	Balls	Trimesh1	Trimesh2	Trimesh3	Trimesh_14au
Sample Solution	BSP	13.8358	0.9633	1.4654	5.5500	2.3730	1.7781	51.3200	10.5994	36.6371
1030119 & 0926572	BVH	2.8910	0.9012	1.1841	2.6040	5.0105	1.1630	6.7217	3.4146	2.1292
1121141 & 1261294	BVH	4.4676	1.2304	1.6679	3.2105	4.5370	1.7613	12.2750	6.9718	4.0867
1369747 & 1222561	BVH	4.5321	1.1530	1.7768	2.7430	7.1840	1.7267	11.4643	6.3008	3.9082
1121903 & 1137261	BVH	5.4167	1.4478	1.7283	2.8220	14.3400	1.1655	13.2585	5.5828	2.9890
1470683 & 1425096	BVH	6.8128	1.3866	1.6364	2.4481	11.5570	1.7541	21.6510	9.7954	4.2734
1122016 & 1123464	Octree	109.5142	9.6070	15.5820	41.3160	191.6100	14.2354	399.3390	106.8667	97.5577
1222489 & 1424986	BVH	192.6521	1.7298	2.0577	3.3337	15.2741	54.5355	1328.1027	10.5911	125.5927
1030125 & 1424936	k-d Tree	270.6825	22.1340	33.9122	4.8410	222.9020	50.8266	924.7209	707.9146	198.2084
1430813 & 1427506	BVH	955.8436	20.8863	130.3497	1471.8800	38.5699	1568.7977	2582.8971	1230.0866	603.2814
1130418 & 1028607	BVH	2132.1448	40.9176	403.7000	4562.3300	212.9300	1395.4568	3502.2800	1548.8269	5390.7170