

mass\_A

t(s)	x(cm)	y(cm)	r(cm)	r(m)	Eeff(J/m^3)	E(intitial)	v(y)cm/s	v (cm/s)	v(m/s)
0.484	-0.487	4.922	4.946	0.04946	-2.6803179	132.9261	-48.26	48.27	0.4827
0.488	-0.493	4.747	4.772	0.04772	-2.5784673	132.9261	-46.04	46.05	0.4605
0.492	-0.497	4.52	4.547	0.04547	-2.4244696	132.9261	-43.83	43.91	0.4391
0.496	-0.488	4.363	4.39	0.0439	-2.3001	132.9261	-52.3	52.32	0.5232
0.501	-0.475	4.154	4.181	0.04181	-2.1094784	132.9261	-50.47	50.57	0.5057
0.505	-0.479	3.927	3.956	0.03956	-1.8665007	132.9261	-44.21	44.36	0.4436
0.509	-0.502	3.733	3.767	0.03767	-1.6258602	132.9261	-44.08	44.11	0.4411
0.513	-0.509	3.558	3.594	0.03594	-1.3701868	132.9261	-50.34	50.36	0.5036
0.517	-0.515	3.365	3.404	0.03404	-1.0420767	132.9261	-50.22	50.23	0.5023
0.521	-0.519	3.138	3.18	0.0318	-0.5758991	132.9261	-41.74	41.82	0.4182
0.526	-0.507	2.946	2.99	0.0299	-0.0947544	132.9261	-48.38	48.5	0.485
0.53	-0.497	2.79	2.834	0.02834	0.37520935	132.9261	-48.38	48.5	0.485
0.534	-0.535	2.543	2.598	0.02598	1.2541593	132.9261	-41.87	41.87	0.4187
0.538	-0.526	2.386	2.443	0.02443	1.97540189	132.9261	-46.04	46.05	0.4605
0.542	-0.531	2.193	2.257	0.02257	3.04484354	132.9261	-50.34	50.36	0.5036
0.546	-0.52	2.002	2.068	0.02068	4.44058072	132.9261	-46.3	46.43	0.4643
0.551	-0.541	1.773	1.854	0.01854	6.56459415	132.9261	-46.3	46.43	0.4643
0.555	-0.549	1.616	1.706	0.01706	8.52392275	132.9261	-52.3	52.32	0.5232
0.559	-0.57	1.387	1.5	0.015	12.2759957	132.9261	-50.22	50.23	0.5023
0.563	-0.54	1.179	1.297	0.01297	17.8569855	132.9261	-48.26	48.27	0.4827
0.567	-0.562	0.968	1.12	0.0112	25.3995762	132.9261	-50.34	50.36	0.5036
0.571	-0.551	0.777	0.952	0.00952	36.7909517	132.9261	-48.38	48.5	0.485
0.576	-0.572	0.548	0.792	0.00792	55.0521563	132.9261	-46.42	46.75	0.4675
0.58	-0.579	0.373	0.689	0.00689	74.1107446	132.9261	-56.73	56.8	0.568
0.584	-0.618	0.161	0.639	0.00639	86.855021	132.9261	-55.85	57.07	0.5707
0.588	-0.602	#####	0.611	0.00611	138.138268	132.9261	-55.34	58.88	0.5888
0.592	-0.52	-0.305	0.603	0.00603	121.902656	132.9261	-57.43	60.89	0.6089
0.596	-0.435	-0.562	0.71	0.0071	69.5433438	132.9261	-49.46	51.26	0.5126
0.601	-0.351	-0.784	0.859	0.00859	46.1607098	132.9261	-49.46	51.26	0.5126
0.605	-0.322	-0.974	1.026	0.01026	31.0830495	132.9261	-49.08	52.9	0.529
0.609	-0.239	-1.196	1.22	0.0122	20.7367748	132.9261	-47.25	49.7	0.497
0.613	-0.158	-1.384	1.393	0.01393	14.913736	132.9261	-45.29	47.17	0.4717
0.617	-0.111	-1.59	1.594	0.01594	10.3833398	132.9261	-40.86	44.31	0.4431
0.621	#####	-1.761	1.762	0.01762	7.72432229	132.9261	-44.78	49.7	0.497
0.626	#####	-1.931	1.932	0.01932	5.70833427	132.9261	-45.03	48.27	0.4827
0.63	0.132	-2.135	2.139	0.02139	3.87272027	132.9261	-39.02	41.08	0.4108
0.634	0.177	-2.307	2.314	0.02314	2.68955687	132.9261	-38.9	41.66	0.4166
0.638	0.239	-2.46	2.472	0.02472	1.83006426	132.9261	-45.16	47.68	0.4768
0.642	0.302	-2.631	2.649	0.02649	1.04411492	132.9261	-47.12	50.27	0.5027
0.646	0.367	-2.837	2.861	0.02861	0.28831284	132.9261	-48.96	53.6	0.536
0.651	0.448	-3.024	3.057	0.03057	-0.2747607	132.9261	-47.12	50.27	0.5027
0.655	0.549	-3.246	3.292	0.03292	-0.82102	132.9261	-39.28	40.22	0.4022
0.659	0.594	-3.418	3.469	0.03469	-1.1605243	132.9261	-39.15	40.6	0.406
0.663	0.621	-3.573	3.627	0.03627	-1.4218746	132.9261	-42.82	46.99	0.4699
0.667	0.684	-3.744	3.806	0.03806	-1.6785888	132.9261	-47	50.92	0.5092

0.672	0.782	-3.93	4.007	0.04007	-1.9254103	132.9261	-49.21	52.27	0.5227
0.676	0.847	-4.136	4.222	0.04222	-2.1493343	132.9261	-42.95	46.28	0.4628
0.68	0.929	-4.341	4.439	0.04439	-2.3405332	132.9261	-39.02	41.08	0.4108
0.684	0.991	-4.494	4.602	0.04602	-2.464617	132.9261	-36.94	39.06	0.3906
0.688	1.036	-4.666	4.78	0.0478	-2.5834634	132.9261	-40.86	44.31	0.4431
0.692	1.097	-4.803	4.926	0.04926	-2.6693164	132.9261	-39.15	40.6	0.406
0.697	1.179	-5.007	5.144	0.05144	-2.7800227	132.9261	-39.4	39.95	0.3995
0.701	1.187	-5.129	5.265	0.05265	-2.8331852	132.9261	-55.6	57.83	0.5783
0.705	1.234	-5.336	5.477	0.05477	-2.913241	132.9261	-49.21	52.27	0.5227
0.709	1.32	-5.593	5.746	0.05746	-2.9926001	132.9261	-40.61	45.86	0.4586
0.713	1.381	-5.746	5.91	0.0591	-3.0295741	132.9261	-44.91	48.95	0.4895
0.717	1.497	-5.932	6.118	0.06118	-3.0646487	132.9261	-41.24	42.65	0.4265
0.722	1.544	-6.121	6.313	0.06313	-3.0859168	132.9261	-32.89	34.48	0.3448
0.726	1.588	-6.276	6.473	0.06473	-3.0951797	132.9261	-41.24	42.65	0.4265
0.73	1.63	-6.395	6.6	0.066	-3.0973646	132.9261	-47.25	49.7	0.497
0.734	1.679	-6.62	6.829	0.06829	-3.089916	132.9261	-39.28	40.22	0.4022
0.738	1.759	-6.789	7.014	0.07014	-3.0733529	132.9261	-45.54	46.43	0.4643
0.742	1.751	-6.947	7.164	0.07164	-3.0531154	132.9261	-44.91	48.95	0.4895
0.747	1.834	-7.169	7.4	0.074	-3.0091802	132.9261			
0.751	1.913	-7.322	7.568	0.07568	-2.96912	132.9261			