

Time	V_75_angleA	V_75_angleB	V_75_angleC	V_75_magA	V_75_magB	V_75_magC	I_75_angleA	I_75_angleB	I_75_angleC	I_75_magA	I_75_magB	I_75_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	27.22774982	-92.7857427	147.2058121	334883.9446	334986.4612	334866.9067	43.28263632	-76.72377225	163.2748928	1101.083058	1101.183774	1101.026757
0.04 secs	27.21225003	-92.78754586	147.2123322	334839.092	334839.227	334840.1933	43.27775634	-76.72273153	163.2778694	1101.021968	1101.014045	1101.009889
0.06 secs	27.21228069	-92.78771475	147.2122677	334839.9875	334840.0918	334840.0635	43.27782288	-76.72240724	163.2779405	1101.018668	1101.013503	1101.012257
0.08 secs	27.21227449	-92.78771731	147.2122717	334839.9812	334840.0289	334840.0473	43.277892	-76.72224383	163.2779612	1101.017399	1101.014353	1101.013617
0.1 secs	27.21227265	-92.78771911	147.2122724	334839.9821	334840.0126	334840.0399	43.27793	-76.72216209	163.2779725	1101.016806	1101.014838	1101.014291
0.12 secs	27.21227241	-92.78772085	147.2122719	334839.9884	334840.0156	334840.0369	43.2779485	-76.72211884	163.2779795	1101.016466	1101.015028	1101.014628
0.14 secs	27.21227229	-92.78772235	147.2122714	334839.9947	334840.0198	334840.0352	43.27795778	-76.72209236	163.2779843	1101.016222	1101.015076	1101.014815
0.16 secs	27.21227199	-92.78772357	147.2122711	334839.9994	334840.0213	334840.0335	43.277964	-76.72207438	163.2779872	1101.016044	1101.015102	1101.014936
0.18 secs	27.21227165	-92.78772455	147.2122709	334840.0028	334840.0214	334840.032	43.27796912	-76.72206153	163.2779889	1101.01592	1101.015139	1101.015021
0.2 secs	27.21227138	-92.78772536	147.2122708	334840.0057	334840.0214	334840.0308	43.27797339	-76.72205195	163.27799	1101.015829	1101.015178	1101.015083
0.22 secs	27.21227117	-92.78772605	147.2122707	334840.0081	334840.0217	334840.0297	43.27797684	-76.72204445	163.2779907	1101.015757	1101.015121	1101.01513
0.24 secs	27.212271	-92.78772664	147.2122706	334840.0103	334840.022	334840.0288	43.27797964	-76.72203834	163.2779914	1101.015697	1101.015235	1101.015168
0.26 secs	27.21227085	-92.78772715	147.2122705	334840.0121	334840.0223	334840.028	43.27798197	-76.72203324	163.2779919	1101.015647	1101.015255	1101.015199
0.28 secs	27.21227073	-92.78772758	147.2122704	334840.0137	334840.0224	334840.0274	43.27798393	-76.72202896	163.2779924	1101.015604	1101.015271	1101.015224
0.3 secs	27.21227062	-92.78772795	147.2122704	334840.015	334840.0226	334840.0268	43.27798561	-76.72202534	163.2779928	1101.015568	1101.015286	1101.015246
0.32 secs	27.21227052	-92.78772826	147.2122703	334840.0161	334840.0227	334840.0263	43.27798703	-76.72202227	163.2779931	1101.015537	1101.015298	1101.015264
0.34 secs	27.21227044	-92.78772853	147.2122703	334840.0171	334840.0228	334840.0259	43.27798824	-76.72201967	163.2779933	1101.015511	1101.015308	1101.01528
0.36 secs	27.21227038	-92.78772875	147.2122702	334840.0179	334840.0229	334840.0256	43.27798927	-76.72201745	163.2779936	1101.015489	1101.015317	1101.015293
0.38 secs	27.21227032	-92.78772895	147.2122702	334840.0186	334840.023	334840.0253	43.27799014	-76.72201557	163.2779938	1101.015471	1101.015325	1101.015304
0.4 secs	27.21227027	-92.78772911	147.2122702	334840.0192	334840.0231	334840.025	43.27799089	-76.72201397	163.2779939	1101.015454	1101.015331	1101.015313
0.42 secs	27.21227023	-92.78772925	147.2122701	334840.0197	334840.0232	334840.0248	43.27799152	-76.72201261	163.2779941	1101.015441	1101.015337	1101.015321
0.44 secs	27.21227019	-92.78772937	147.2122701	334840.0201	334840.0232	334840.0246	43.27799206	-76.72201145	163.2779942	1101.015429	1101.015341	1101.015328
0.46 secs	27.21227016	-92.78772947	147.2122701	334840.0205	334840.0233	334840.0245	43.27799252	-76.72201046	163.2779943	1101.015419	1101.015345	1101.015334
0.48 secs	27.21227014	-92.78772956	147.2122701	334840.0208	334840.0233	334840.0244	43.27799291	-76.72200962	163.2779944	1101.015411	1101.015349	1101.015339
0.5 secs	27.21227011	-92.78772963	147.2122701	334840.0211	334840.0233	334840.0242	43.27799325	-76.7220089	163.2779944	1101.015404	1101.015352	1101.015343
0.52 secs	66.48879032	-54.65926437	-173.979537	96235.20093	96035.12453	94462.30888	-16.5449111	-138.2425101	107.1188003	3408.199272	3120.796039	3190.267368
0.54 secs	67.05669481	-53.33771937	-173.0205593	91990.38371	91770.02983	91332.11396	-16.52052272	-137.8408108	105.2786601	3206.382631	3055.217792	3070.94362
0.56 secs	67.08775396	-52.93168211	-172.9639601	91786.88833	91864.57582	91798.77953	-17.15762064	-137.816033	103.724501	3127.33177	3052.881796	3059.987351
0.58 secs	67.053015	-52.95524847	-172.9480812	91801.76945	91796.15496	91787.4965	-17.46765747	-137.8048916	102.9699885	3089.505134	3052.237743	3055.37608
0.6 secs	67.04990642	-52.95408165	-172.9556971	91813.37039	91820.04926	91811.17559	-17.62195778	-137.7975609	102.6070953	3071.092063	3051.612185	3053.269659
0.62 secs	67.04498542	-52.95444704	-172.9538532	91815.80784	91814.18439	91815.78405	-17.69695418	-137.7949537	102.4287891	3062.185926	3051.442105	3052.299152
0.64 secs	67.04362928	-52.95440958	-172.9544976	91817.81046	91816.15924	91819.70686	-17.7339625	-137.7929036	102.3422465	3057.7935	3051.295666	3051.828096
0.66 secs	67.0427998	-52.95428018	-172.9542146	91818.31974	91815.49699	91820.96111	-17.7522294	-137.7921062	102.2990494	3055.615991	3051.237039	3051.588271
0.68 secs	67.04254902	-52.95435507	-172.9542854	91818.68194	91815.68897	91821.48233	-17.76146309	-137.7914671	102.2772508	3054.497757	3051.194884	3051.463059
0.7 secs	67.04251316	-52.95429831	-172.9542407	91818.72708	91815.67056	91821.62424	-17.7662928	-137.7911018	102.2656887	3053.899255	3051.170051	3051.390835
0.72 secs	38.26224551	-80.21999193	164.838464	269276.8218	238315.8283	270026.0714	-90	-133.3683592	53.94107587	37.4198303	1043.70858	867.2220193
0.74 secs	39.9111349	-80.15580462	160.0379604	327580.6344	327728.4603	327712.8815	-149.1373451	-75.96375653	159.6768632	9.66816E-10	4.68743E-10	6.54662E-10
0.76 secs	40.01051378	-80.02089941	159.9467621	328539.3878	328089.4777	328517.0166	-149.0651078	-75.80890345	159.6768632	9.67545E-10	5.10104E-10	6.54662E-10
0.78 secs	39.98824804	-80.00815075	159.9629132	328514.7626	328210.9302	328397.04	-150.5707106	-76.57816493	157.456939	9.92029E-10	5.14268E-10	6.52388E-10
0.8 secs	39.96317387	-80.01656378	159.9976711	328358.8789	328415.5839	328330.2108	-150.0452084	-77.05349048	158.962489	1.01035E-09	5.07437E-10	6.3339E-10
0.82 secs	39.97083836	-80.02232869	159.9967923	328331.5174	328393.1069	328364.8005	-148.9929796	-77.68055474	159.5671713	9.68277E-10	5.06194E-10	6.18732E-10
0.84 secs	39.9823017	-80.01988833	159.9837401	328373.3383	328316.852	328386.3516	-149.8148632	-78.07926146	158.5870305	9.86402E-10	5.22867E-10	6.22792E-10
0.86 secs	39.98260757	-80.01693341	159.9811942	328383.6086	328311.4998	328370.614	-150.2855736	-78.07926146	158.962489	9.94834E-10	5.22867E-10	6.3339E-10
0.88 secs	39.97946712	-80.01695934	159.9849615	328364.401	328337.7893	328354.4453	-149.5513765	-78.69006753	158.5870305	9.75871E-10	5.21722E-10	6.22792E-10
0.9 secs	39.97945366	-80.01776615	159.9862866	328351.758	328345.1016	328352.148	-150.1729153	-78.69006753	159.5671713	9.82849E-10	5.21722E-10	6.18732E-10
0.92 secs	39.98116406	-80.01769032	159.9849244	328351.8248	328337.3549	328353.4273	-150.3567069	-78.69006753	158.962489	9.9413E-10	5.21722E-10	6.3339E-10
0.94 secs	39.9820113	-80.01720299	159.9839457	328352.7404	328333.3424	328351.1587	-150.214541	-78.69006753	158.5870305	9.95539E-10	5.21722E-10	6.22792E-10
0.96 secs	39.98198648	-80.01698178	159.9840479	328349.8353	328335.4629	328347.4483	-149.8862668	-78.69006753	159.5671713	9.85688E-10	5.21722E-10	6.18732E-10
0.98 secs	39.9820323	-80.0169851	159.9842558	328346.372	328337.4234	328345.1874	-150.3567069	-78.69006753	158.5870305	9.9413E-10	5.21722E-10	6.22792E-10
1 sec	39.9823483	-80.01695718	159.9841219	328344.5924	328337.127	328344.1142	-150.214541	-78.69006753	158.5870305	9.95539E-10	5.21722E-10	6.22792E-10

Time	V_78_angleA	V_78_angleB	V_78_angleC	V_78_magA	V_78_magB	V_78_magC	I_78_angleA	I_78_angleB	I_78_angleC	I_78_magA	I_78_magB	I_78_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	27.22774982	-92.7857427	147.2058121	334883.9446	334986.4612	334866.9067	41.47752746	-78.52402779	161.4701491	996.5256555	996.6582228	996.5685206
0.04 secs	27.21225003	-92.78754586	147.2123322	334839.092	334839.227	334840.1933	41.47137838	-78.52877645	161.4715729	996.5337108	996.5282481	996.5286497
0.06 secs	27.21228069	-92.78771475	147.2122677	334839.9875	334840.0918	334840.0635	41.4715351	-78.52868696	161.4715508	996.5351038	996.5325567	996.5304878
0.08 secs	27.21227449	-92.78771731	147.2122717	334839.9812	334840.0289	334840.0473	41.47154779	-78.52859146	161.4715803	996.5343513	996.5322985	996.5312299
0.1 secs	27.21227265	-92.78771911	147.2122724	334839.9821	334840.0126	334840.0399	41.47155497	-78.52853491	161.4715945	996.533835	996.5321378	996.531635
0.12 secs	27.21227241	-92.78772085	147.2122719	334839.9884	334840.0156	334840.0369	41.47156441	-78.52849841	161.471601	996.5335121	996.5321458	996.5318851
0.14 secs	27.21227229	-92.78772235	147.2122714	334839.9947	334840.0198	334840.0352	41.47157409	-78.5284751	161.4716038	996.5333261	996.5322341	996.5320417
0.16 secs	27.21227199	-92.78772357	147.2122711	334839.9994	334840.0213	334840.0335	41.47158161	-78.52845933	161.4716055	996.533201	996.5323087	996.5321406
0.18 secs	27.21227165	-92.78772455	147.2122709	334840.0028	334840.0214	334840.032	41.47158696	-78.52844752	161.4716069	996.5330988	996.5323505	996.5322078
0.2 secs	27.21227138	-92.78772536	147.2122708	334840.0057	334840.0214	334840.0308	41.47159101	-78.52843799	161.4716081	996.5330108	996.532375	996.5322586
0.22 secs	27.21227117	-92.78772605	147.2122707	334840.0081	334840.0217	334840.0297	41.47159439	-78.52843008	161.471609	996.5329366	996.5323952	996.5322999
0.24 secs	27.212271	-92.78772664	147.2122706	334840.0103	334840.022	334840.0288	41.47159729	-78.52842347	161.4716098	996.5328751	996.5324143	996.5323343
0.26 secs	27.21227085	-92.78772715	147.2122705	334840.0121	334840.0223	334840.028	41.47159978	-78.52841793	161.4716104	996.5328238	996.5324315	996.5323633
0.28 secs	27.21227073	-92.78772758	147.2122704	334840.0137	334840.0224	334840.0274	41.47160188	-78.52841325	161.4716109	996.5327804	996.5324461	996.5323877
0.3 secs	27.21227062	-92.78772795	147.2122704	334840.015	334840.0226	334840.0268	41.47160366	-78.52840928	161.4716113	996.5327436	996.5324583	996.5324084
0.32 secs	27.21227052	-92.78772826	147.2122703	334840.0161	334840.0227	334840.0263	41.47160518	-78.52840589	161.4716117	996.5327121	996.5324686	996.5324261
0.34 secs	27.21227044	-92.78772853	147.2122703	334840.0171	334840.0228	334840.0259	41.47160646	-78.52840301	161.471612	996.5326854	996.5324774	996.5324411
0.36 secs	27.21227038	-92.78772875	147.2122702	334840.0179	334840.0229	334840.0256	41.47160756	-78.52840056	161.4716123	996.5326626	996.5324849	996.5324539
0.38 secs	27.21227032	-92.78772895	147.2122702	334840.0186	334840.023	334840.0253	41.4716085	-78.52839847	161.4716125	996.5326432	996.5324914	996.5324648
0.4 secs	27.21227027	-92.78772911	147.2122702	334840.0192	334840.0231	334840.025	41.47160929	-78.52839668	161.4716127	996.5326267	996.5324968	996.5324741
0.42 secs	27.21227023	-92.78772925	147.2122701	334840.0197	334840.0232	334840.0248	41.47160997	-78.52839516	161.4716129	996.5326126	996.5325015	996.5324821
0.44 secs	27.21227019	-92.78772937	147.2122701	334840.0201	334840.0232	334840.0246	41.47161055	-78.52839387	161.471613	996.5326006	996.5325054	996.5324888
0.46 secs	27.21227016	-92.78772947	147.2122701	334840.0205	334840.0233	334840.0245	41.47161105	-78.52839276	161.4716131	996.5325903	996.5325088	996.5324946
0.48 secs	27.21227014	-92.78772956	147.2122701	334840.0208	334840.0233	334840.0244	41.47161147	-78.52839182	161.4716132	996.5325816	996.5325117	996.5324995
0.5 secs	27.21227011	-92.78772963	147.2122701	334840.0211	334840.0233	334840.0242	41.47161183	-78.52839102	161.4716133	996.5325741	996.5325142	996.5325037
0.52 secs	66.48879032	-54.65926437	-173.979537	96235.20093	96035.12453	94462.30888	135.6961429	14.89895954	-102.3085152	1150.382006	1097.00505	1111.096288
0.54 secs	67.05669481	-53.33771937	-173.0205593	91990.38371	91770.02983	91332.11396	136.4489175	14.1958262	-103.1732808	1037.664302	1008.039545	988.1633499
0.56 secs	67.08775396	-52.93168211	-172.9639601	91786.88833	91864.57582	91798.77953	135.3616998	14.14905017	-104.4318112	1022.938516	1006.717445	996.2707754
0.58 secs	67.053015	-52.95524847	-172.9480812	91801.76945	91796.15496	91787.4965	134.8481936	14.15532415	-105.0547112	1015.574107	1006.661712	1000.540316
0.6 secs	67.04990642	-52.95408165	-172.9556971	91813.37039	91820.04926	91811.17559	134.5794377	14.15614424	-105.3581519	1011.812423	1006.286677	1002.598172
0.62 secs	67.04498542	-52.95444704	-172.9538532	91815.80784	91814.18439	91815.78405	134.4447133	14.15715814	-105.5167474	1009.926506	1006.243928	1003.705592
0.64 secs	67.04362928	-52.95440958	-172.9544976	91817.81046	91816.15924	91819.70686	134.3732591	14.15818439	-105.5969444	1008.921559	1006.145044	1004.25907
0.66 secs	67.0427998	-52.95428018	-172.9542146	91818.31974	91815.49699	91820.96111	134.3350811	14.15847102	-105.6410883	1008.379109	1006.11092	1004.556942
0.68 secs	67.04254902	-52.95435507	-172.9542854	91818.68194	91815.68897	91821.48233	134.3130716	14.15894821	-105.6659846	1008.057637	1006.074715	1004.720701
0.7 secs	67.04251316	-52.95429831	-172.9542407	91818.72708	91815.67056	91821.62424	134.2993904	14.15922429	-105.6816687	1007.852041	1006.050537	1004.818413
0.72 secs	38.26224551	-80.21999193	164.838464	269276.8218	238315.8283	270026.0714	37.40831312	-71.01675514	172.4447337	1382.118235	1083.750276	1452.35915
0.74 secs	39.9111349	-80.15580462	160.0379604	327580.6344	327728.4603	327712.8815	41.53968291	-78.77214266	161.0328636	1615.243651	1621.015379	1613.373586
0.76 secs	40.01051378	-80.02089941	159.9467621	328539.3878	328089.4777	328517.0166	41.52218378	-78.5533262	161.3126695	1615.435524	1619.053053	1615.280278
0.78 secs	39.98824804	-80.00815075	159.9629132	328514.7626	328210.9302	328397.04	41.47948245	-78.57360102	161.3563832	1615.183181	1619.955199	1615.48227
0.8 secs	39.96317387	-80.01656378	159.9976711	328358.8789	328415.5839	328330.2108	41.47364029	-78.58652998	161.356875	1615.718347	1619.663537	1616.215187
0.82 secs	39.97083836	-80.02232869	159.9967923	328331.5174	328393.1069	328364.8005	41.4697032	-78.58841369	161.3476243	1616.514639	1619.218916	1616.769181
0.84 secs	39.9823017	-80.01988833	159.9837401	328373.3383	328316.852	328386.3516	41.45524026	-78.59019725	161.3513553	1617.01336	1619.201928	1617.088445
0.86 secs	39.98260757	-80.01693341	159.9811942	328383.6086	328311.4998	328370.614	41.44000912	-78.59485369	161.3608065	1617.287894	1619.334823	1617.373348
0.88 secs	39.97946712	-80.01695934	159.9849615	328364.401	328337.7893	328354.4453	41.4304722	-78.59928944	161.3660461	1617.558863	1619.346502	1617.681746
0.9 secs	39.97945366	-80.01776615	159.9862866	328351.758	328345.1016	328352.148	41.42413314	-78.60198168	161.3677558	1617.849474	1619.283887	1617.954554
0.92 secs	39.98116406	-80.01769032	159.9849244	328351.8248	328337.3549	328353.4273	41.41791799	-78.60384551	161.3696934	1618.092825	1619.253473	1618.164035
0.94 secs	39.9820113	-80.01720299	159.9839457	328352.7404	328333.3424	328351.1587	41.4119142	-78.60570254	161.3724024	1618.275144	1619.258198	1618.332346
0.96 secs	39.98198648	-80.01698178	159.9840479	328349.8353	328335.4629	328347.4483	41.40704203	-78.60746126	161.3747111	1618.424488	1619.25997	1618.479679
0.98 secs	39.9820323	-80.0169851	159.9842558	328346.372	328337.4234	328345.1874	41.4032693	-78.60887228	161.3762687	1618.55706	1619.250153	1618.607277
1 sec	39.9823483	-80.01695718	159.9841219	328344.5924	328337.127	328344.1142	41.40010888	-78.60997337	161.3774889	1618.670969	1619.240503	1618.712823

Time	V_87_angleA	V_87_angleB	V_87_angleC	V_87_magA	V_87_magB	V_87_magC	I_87_angleA	I_87_angleB	I_87_angleC	I_87_magA	I_87_magB	I_87_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	21.18045258	-98.82561017	141.1709833	340189.9409	340234.0773	340180.8349	-145.8358207	94.15340643	-25.84204141	966.1928443	966.2090851	966.0436344
0.04 secs	21.17343603	-98.8264595	141.1734676	340169.7463	340169.8888	340170.3553	-145.8381422	94.16135728	-25.83837324	966.0722917	966.0719165	966.0647977
0.06 secs	21.1734398	-98.82654582	141.1734415	340170.177	340170.2151	340170.2705	-145.8382966	94.16149182	-25.83824313	966.0700228	966.0669203	966.0653855
0.08 secs	21.17344088	-98.82654843	141.1734407	340170.1916	340170.2303	340170.2665	-145.8382548	94.16161182	-25.83821746	966.0693196	966.0672928	966.0663613
0.1 secs	21.17344064	-98.82655083	141.1734402	340170.2011	340170.2338	340170.2619	-145.8382276	94.16167466	-25.83820422	966.0689618	966.0675538	966.0668337
0.12 secs	21.17344018	-98.82655269	141.1734399	340170.2079	340170.2349	340170.2586	-145.8382146	94.16170823	-25.83819651	966.0687326	966.0676283	966.0670558
0.14 secs	21.17343979	-98.82655413	141.1734396	340170.2132	340170.2359	340170.2564	-145.8382086	94.16173013	-25.83819124	966.0685372	966.0676021	966.067177
0.16 secs	21.17343952	-98.82655529	141.1734394	340170.2177	340170.2373	340170.2547	-145.8382042	94.16174655	-25.83818782	966.0683761	966.0675764	966.06726
0.18 secs	21.17343931	-98.82655629	141.1734391	340170.2217	340170.2385	340170.2533	-145.8382001	94.16175938	-25.83818565	966.0682517	966.067575	966.0673237
0.2 secs	21.17343912	-98.82655714	141.173439	340170.225	340170.2396	340170.2521	-145.8381963	94.16176954	-25.83818416	966.068155	966.067585	966.0673738
0.22 secs	21.17343895	-98.82655787	141.1734388	340170.2279	340170.2404	340170.251	-145.8381932	94.16177778	-25.83818299	966.0680764	966.0675943	966.0674137
0.24 secs	21.17343881	-98.82655849	141.1734387	340170.2303	340170.241	340170.2501	-145.8381906	94.16178463	-25.83818199	966.0680102	966.0676002	966.0674462
0.26 secs	21.17343868	-98.82655902	141.1734386	340170.2323	340170.2416	340170.2493	-145.8381885	94.1617904	-25.83818115	966.0679538	966.0676043	966.0674733
0.28 secs	21.17343858	-98.82655947	141.1734385	340170.2341	340170.2421	340170.2487	-145.8381867	94.1617953	-25.83818043	966.0679059	966.0676077	966.0674964
0.3 secs	21.17343849	-98.82655985	141.1734384	340170.2356	340170.2425	340170.2481	-145.8381851	94.16179947	-25.83817983	966.0678653	966.0676109	966.067516
0.32 secs	21.17343841	-98.82656018	141.1734383	340170.2369	340170.2428	340170.2476	-145.8381838	94.16180301	-25.83817932	966.0678308	966.0676137	966.0675326
0.34 secs	21.17343835	-98.82656046	141.1734383	340170.2379	340170.2431	340170.2472	-145.8381827	94.16180602	-25.83817889	966.0678014	966.0676161	966.0675468
0.36 secs	21.17343829	-98.82656069	141.1734382	340170.2389	340170.2434	340170.2469	-145.8381818	94.16180859	-25.83817851	966.0677764	966.0676182	966.067559
0.38 secs	21.17343824	-98.8265609	141.1734382	340170.2396	340170.2436	340170.2466	-145.8381809	94.16181078	-25.8381782	966.0677551	966.0676199	966.0675693
0.4 secs	21.1734382	-98.82656107	141.1734382	340170.2403	340170.2438	340170.2463	-145.8381803	94.16181264	-25.83817793	966.067737	966.0676213	966.0675781
0.42 secs	21.17343817	-98.82656121	141.1734381	340170.2409	340170.2439	340170.2461	-145.8381797	94.16181423	-25.8381777	966.0677215	966.0676226	966.0675856
0.44 secs	21.17343814	-98.82656134	141.1734381	340170.2414	340170.2441	340170.246	-145.8381792	94.16181559	-25.8381775	966.0677083	966.0676237	966.067592
0.46 secs	21.17343811	-98.82656145	141.1734381	340170.2418	340170.2442	340170.2458	-145.8381787	94.16181674	-25.83817734	966.067697	966.0676246	966.0675974
0.48 secs	21.17343809	-98.82656154	141.1734381	340170.2421	340170.2443	340170.2457	-145.8381784	94.16181773	-25.83817719	966.0676874	966.0676254	966.0676021
0.5 secs	21.17343808	-98.82656161	141.173438	340170.2424	340170.2444	340170.2456	-145.8381781	94.16181857	-25.83817707	966.0676793	966.067626	966.067606
0.52 secs	61.46007599	-64.86141401	172.6327359	142670.4335	157753.9124	136304.3567	-44.77898595	-164.8952788	77.56020315	1095.766358	1044.162753	1069.018889
0.54 secs	59.18536309	-60.72624352	179.2917785	124643.7752	124487.3027	124732.0034	-44.25342123	-166.6974229	76.14577073	998.5140532	967.9446758	947.0660468
0.56 secs	59.13437407	-60.88694012	179.105916	124809.5984	124854.363	124791.7684	-45.33059492	-166.6026603	74.83715066	983.6063215	968.1995547	957.1734383
0.58 secs	59.11878909	-60.88771708	179.1113478	124833.7352	124844.2713	124826.7269	-45.89067319	-166.6152745	74.21189231	976.2580599	967.286186	961.1412181
0.6 secs	59.1122317	-60.88747961	179.1122912	124845.2839	124845.4978	124845.9359	-46.16537623	-166.6122406	73.88702923	972.6282039	967.2845799	963.4087702
0.62 secs	59.10893968	-60.88777041	179.112943	124850.6886	124844.7547	124853.9303	-46.30980479	-166.6107362	73.72763062	970.7377987	967.0908872	964.5090132
0.64 secs	59.10761828	-60.88778972	179.1131185	124853.1794	124845.1167	124857.8139	-46.38391878	-166.6103793	73.64256844	969.7654922	967.0510996	965.0944637
0.66 secs	59.10710459	-60.8877664	179.1132592	124854.1295	124845.0958	124859.292	-46.42441006	-166.6097085	73.59769694	969.2250871	966.9944702	965.3989836
0.68 secs	59.10701042	-60.88773639	179.1133108	124854.4055	124845.1612	124859.697	-46.44744923	-166.609446	73.57159946	968.911522	966.9662487	965.5693157
0.7 secs	59.10710642	-60.88769578	179.1133396	124854.341	124845.1961	124859.5777	-46.46187877	-166.6090864	73.55547613	968.7080688	966.9391884	965.6705992
0.72 secs	26.49937615	-89.11884422	156.9174002	270059.4125	223084.5506	266765.2214	-147.1294401	104.4810111	-10.87499501	1376.611754	1028.324543	1424.327595
0.74 secs	29.53435004	-90.51531684	149.5864355	327152.3766	326574.9291	326591.7019	-143.0062152	96.82940219	-23.25025314	1603.061012	1614.700798	1602.507812
0.76 secs	29.61027394	-90.38348652	149.6295211	327606.131	327551.8211	327575.2946	-142.9231483	97.00390977	-23.06803051	1604.436612	1610.445184	1606.02488
0.78 secs	29.61451879	-90.38160966	149.630295	327591.1835	327528.8252	327577.4386	-142.9100917	97.00776894	-23.10178489	1605.89766	1609.211923	1606.705957
0.8 secs	29.61744369	-90.3807244	149.6272006	327586.4331	327515.7707	327572.78	-142.9370418	97.00763866	-23.09040916	1606.520521	1609.458266	1606.848801
0.82 secs	29.61792917	-90.37977634	149.6263575	327577.3439	327517.3745	327561.6635	-142.9634687	96.99934731	-23.06829758	1606.754473	1609.902651	1607.104394
0.84 secs	29.61802576	-90.37939081	149.6263777	327565.9412	327522.1786	327552.6273	-142.9736055	96.99157271	-23.06071554	1607.138901	1609.889116	1607.559237
0.86 secs	29.61877559	-90.37922332	149.6258827	327557.5247	327522.3208	327547.7598	-142.978677	96.98796243	-23.06059872	1607.621509	1609.714244	1607.964797
0.88 secs	29.61964609	-90.37896978	149.6251126	327551.9938	327520.4737	327544.1016	-142.9867401	96.9858462	-23.05755984	1607.999277	1609.673641	1608.235875
0.9 secs	29.62017932	-90.37868163	149.6245883	327547.1964	327519.9758	327540.1371	-142.9955505	96.98317645	-23.05204818	1608.256569	1609.719195	1608.44808
0.92 secs	29.6204986	-90.37846496	149.624302	327542.5825	327520.4862	327536.4757	-143.0020071	96.98043726	-23.04785072	1608.472679	1609.734622	1608.650961
0.94 secs	29.62081069	-90.37831406	149.6240489	327538.6551	327520.7237	327533.6573	-143.0065253	96.9783644	-23.04545069	1608.676486	1609.71451	1608.832734
0.96 secs	29.62112621	-90.37818429	149.6237799	327535.5614	327520.5565	327531.4659	-143.0104859	96.97684411	-23.04348572	1608.852058	1609.699515	1608.979081
0.98 secs	29.6213852	-90.37806332	149.6235482	327533.0312	327520.4118	327529.5756	-143.0141654	96.97552809	-23.04143997	1608.992289	1609.699183	1609.096634
1 sec	29.62158158	-90.37796022	149.6233732	327530.8556	327520.4202	327527.9227	-143.017258	96.97433602	-23.03962985	1609.106897	1609.700601	1609.196365

Time	V_46_angleA	V_46_angleB	V_46_angleC	V_46_magA	V_46_magB	V_46_magC	I_46_angleA	I_46_angleB	I_46_angleC	I_46_magA	I_46_magB	I_46_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	25.46403717	-94.54258144	145.4539944	339131.2996	339177.3179	339120.3809	75.06179807	-44.94314836	-164.9509997	336.2066139	336.276572	336.2164602
0.04 secs	25.4568067	-94.54310897	145.4568024	339109.7996	339110.1182	339110.3906	75.05284111	-44.94607484	-164.9468959	336.1972179	336.1991106	336.2036743
0.06 secs	25.45668514	-94.54327443	145.4567474	339110.0758	339109.7893	339110.1393	75.05238868	-44.94757742	-164.94761	336.2019777	336.2020856	336.2022052
0.08 secs	25.45669827	-94.54329082	145.4567141	339110.1672	339110.0972	339110.1876	75.05229718	-44.94783693	-164.9478073	336.2030343	336.2032902	336.202482
0.1 secs	25.45670542	-94.54328978	145.4567047	339110.1989	339110.2211	339110.2341	75.05225472	-44.94782365	-164.9477842	336.203189	336.2031892	336.2027922
0.12 secs	25.45670765	-94.54328752	145.4567045	339110.2044	339110.243	339110.2479	75.05222778	-44.94779575	-164.9477473	336.2031354	336.2028891	336.2028939
0.14 secs	25.45670744	-94.54328744	145.4567057	339110.2053	339110.2352	339110.246	75.05221464	-44.94779036	-164.9477348	336.2031074	336.2027498	336.2029045
0.16 secs	25.45670686	-94.54328844	145.4567062	339110.2076	339110.2292	339110.242	75.05221189	-44.94779149	-164.9477351	336.2031077	336.2027391	336.2029075
0.18 secs	25.45670647	-94.54328952	145.4567061	339110.2109	339110.2279	339110.2394	75.05221445	-44.94778995	-164.9477377	336.2031102	336.2027731	336.2029205
0.2 secs	25.45670623	-94.54329039	145.4567059	339110.2139	339110.2285	339110.2381	75.05221888	-44.94778553	-164.9477393	336.2031073	336.2028114	336.2029381
0.22 secs	25.45670605	-94.54329108	145.4567057	339110.2166	339110.2292	339110.2371	75.05222355	-44.94778019	-164.9477402	336.2031008	336.2028444	336.2029549
0.24 secs	25.4567059	-94.54329165	145.4567056	339110.2187	339110.2297	339110.2363	75.05222788	-44.94777512	-164.9477407	336.2030935	336.2028725	336.202969
0.26 secs	25.45670576	-94.54329214	145.4567055	339110.2206	339110.2301	339110.2356	75.05223175	-44.9477707	-164.9477411	336.2030868	336.2028968	336.2029807
0.28 secs	25.45670564	-94.54329255	145.4567055	339110.2221	339110.2303	339110.2349	75.05223513	-44.94776689	-164.9477415	336.203081	336.2029179	336.2029905
0.3 secs	25.45670554	-94.54329291	145.4567054	339110.2234	339110.2305	339110.2344	75.05223806	-44.94776363	-164.9477418	336.203076	336.2029362	336.2029988
0.32 secs	25.45670546	-94.54329321	145.4567053	339110.2246	339110.2307	339110.2339	75.05224058	-44.94776084	-164.9477421	336.2030716	336.2029518	336.2030058
0.34 secs	25.45670539	-94.54329347	145.4567053	339110.2255	339110.2309	339110.2335	75.05224274	-44.94775844	-164.9477424	336.2030679	336.2029652	336.2030118
0.36 secs	25.45670533	-94.54329369	145.4567053	339110.2263	339110.231	339110.2332	75.05224459	-44.9477564	-164.9477426	336.2030647	336.2029766	336.2030169
0.38 secs	25.45670527	-94.54329388	145.4567052	339110.227	339110.2311	339110.2329	75.05224617	-44.94775466	-164.9477428	336.203062	336.2029863	336.2030212
0.4 secs	25.45670523	-94.54329404	145.4567052	339110.2276	339110.2312	339110.2327	75.05224752	-44.94775317	-164.9477429	336.2030596	336.2029946	336.2030249
0.42 secs	25.45670519	-94.54329418	145.4567052	339110.2282	339110.2313	339110.2325	75.05224868	-44.9477519	-164.947743	336.2030577	336.2030017	336.203028
0.44 secs	25.45670516	-94.54329429	145.4567051	339110.2286	339110.2314	339110.2323	75.05224966	-44.94775082	-164.9477431	336.2030559	336.2030077	336.2030307
0.46 secs	25.45670513	-94.54329439	145.4567051	339110.229	339110.2315	339110.2321	75.0522505	-44.9477499	-164.9477432	336.2030545	336.2030129	336.2030329
0.48 secs	25.45670511	-94.54329448	145.4567051	339110.2293	339110.2315	339110.232	75.05225122	-44.94774911	-164.9477433	336.2030533	336.2030173	336.2030349
0.5 secs	25.45670509	-94.54329455	145.4567051	339110.2295	339110.2315	339110.2319	75.05225183	-44.94774844	-164.9477434	336.2030522	336.2030211	336.2030365
0.52 secs	65.50611413	-59.2182178	179.2751362	114394.81	122793.9156	110278.6795	151.8086216	32.5690391	-89.21050853	797.6535325	820.8309432	818.7697262
0.54 secs	62.8254186	-57.11183254	-177.1380604	102049.0415	102038.4444	102140.5112	151.6914049	30.38412263	-87.39013899	731.0673055	708.8483726	705.950969
0.56 secs	62.76661936	-57.23114673	-177.2316647	102167.1812	102165.9481	102170.0141	150.9438163	30.19578876	-88.5427589	720.1834223	707.6062816	705.8927664
0.58 secs	62.75295934	-57.25700919	-177.2521081	102212.1757	102212.3474	102196.8602	150.6145679	30.18272327	-89.1085096	714.5743513	707.5728021	706.4532629
0.6 secs	62.74823384	-57.2590606	-177.2577595	102227.6815	102232.5148	102218.8264	150.4531752	30.19470515	-89.38808183	711.7046056	707.6073574	706.8906431
0.62 secs	62.74514549	-57.25624579	-177.2564644	102231.0598	102232.9437	102229.8517	150.3707434	30.20293429	-89.5267138	710.2333902	707.5786436	707.110909
0.64 secs	62.74317754	-57.2549705	-177.2550838	102231.9901	102230.316	102234.0146	150.3272969	30.20537545	-89.59746256	709.4747627	707.5347543	707.2006948
0.66 secs	62.74222237	-57.25491273	-177.2546958	102232.7003	102229.3022	102235.428	150.3039872	30.20582641	-89.63516508	709.0711957	707.5051432	707.2383254
0.68 secs	62.74188878	-57.25506715	-177.2547168	102233.1834	102229.3257	102235.9582	150.291053	30.20616134	-89.65637663	708.8421345	707.4883925	707.2573695
0.7 secs	62.74183297	-57.25511977	-177.2547584	102233.3736	102229.4901	102236.1404	150.2833368	30.20662508	-89.66922956	708.6995281	707.4771747	707.2679601
0.72 secs	14.89514949	-101.279779	151.1858335	242051.316	180110.1028	229443.2999	160.1313656	40.35083649	-86.18764682	534.5498171	591.8836995	564.5228737
0.74 secs	18.31354258	-101.8383201	138.3216785	302361.6688	301963.7426	301578.8688	167.5554978	47.58563582	-72.67492501	630.0880571	633.8591801	632.1811369
0.76 secs	18.40335366	-101.5969494	138.4033574	302819.0592	302618.8954	302735.0277	167.5671239	47.65155499	-72.55437641	630.2024147	632.6751	632.3670541
0.78 secs	18.39329752	-101.5977907	138.4223178	302741.8451	302688.8643	302696.5351	167.5632761	47.64806407	-72.54995166	630.493302	632.6395142	632.4274822
0.8 secs	18.40455913	-101.5999863	138.414291	302737.8326	302639.6943	302722.7418	167.5682601	47.64503187	-72.53620958	630.7938927	632.671914	632.4790734
0.82 secs	18.40042894	-101.5951885	138.4138366	302732.978	302658.1267	302685.1526	167.5747847	47.64151024	-72.51963832	631.0607339	632.7127191	632.5300151
0.84 secs	18.40198971	-101.5969914	138.4139644	302709.2764	302659.0748	302687.8193	167.5796932	47.63855504	-72.50321353	631.2999188	632.7564969	632.5737899
0.86 secs	18.40428286	-101.5964459	138.4110047	302705.2587	302647.3801	302686.9337	167.5852004	47.63509208	-72.48886281	631.5111795	632.7812703	632.6295043
0.88 secs	18.40291802	-101.5953147	138.4111689	302695.99	302655.7286	302674.011	167.5894598	47.6325899	-72.47613347	631.699375	632.8056114	632.6724271
0.9 secs	18.40403955	-101.5955967	138.4102874	302687.5653	302652.7582	302673.7672	167.5926981	47.63054531	-72.46462892	631.8603503	632.8319186	632.7059916
0.92 secs	18.40451765	-101.5951928	138.4093727	302682.9486	302651.1605	302670.1749	167.5957912	47.62863617	-72.45477406	631.998372	632.8518723	632.7378225
0.94 secs	18.40446969	-101.5949349	138.4091338	302677.185	302652.8076	302666.0313	167.5984814	47.62702919	-72.44631351	632.1171792	632.8683785	632.7653419
0.96 secs	18.40494155	-101.5948224	138.4085241	302673.2581	302651.384	302664.4268	167.6007585	47.62565159	-72.43897807	632.2187747	632.8828514	632.7889698
0.98 secs	18.40507228	-101.5946223	138.4081716	302669.7831	302651.4887	302661.9413	167.6027149	47.62450493	-72.43267973	632.3063567	632.8949456	632.8092427
1 sec	18.40520802	-101.5945183	138.4079135	302666.5421	302651.6175	302660.1224	167.6043649	47.62354632	-72.42722742	632.381694	632.9055001	632.8264806

Time	V_64_angleA	V_64_angleB	V_64_angleC	V_64_magA	V_64_magB	V_64_magC	I_64_angleA	I_64_angleB	I_64_angleC	I_64_magA	I_64_magB	I_64_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	23.91887984	-96.08737716	143.9098521	345839.5781	345880.6929	345827.4271	-126.8547462	113.1414019	-6.87028568	243.852666	243.9195754	243.8719286
0.04 secs	23.91228564	-96.08766121	143.9122769	345819.8081	345820.055	345820.2091	-126.8589214	113.1401146	-6.861875564	243.8618637	243.8740162	243.8643874
0.06 secs	23.91228254	-96.0877143	143.9122658	345820.1435	345820.272	345820.2241	-126.8600348	113.1400345	-6.860587424	243.8613001	243.864189	243.8630005
0.08 secs	23.91227766	-96.08771425	143.9122726	345820.1353	345820.1997	345820.2096	-126.860423	113.1397671	-6.86037871	243.8611808	243.861433	243.8620082
0.1 secs	23.91227508	-96.08771711	143.9122742	345820.1386	345820.1729	345820.1964	-126.8605455	113.1395023	-6.860449132	243.8616544	243.8613007	243.8616546
0.12 secs	23.91227399	-96.08771942	143.9122738	345820.1446	345820.1696	345820.1914	-126.8605707	113.1393967	-6.860510923	243.8619456	243.8615742	243.8616403
0.14 secs	23.91227357	-96.08772093	143.9122733	345820.1502	345820.1724	345820.1898	-126.8605716	113.139378	-6.860528768	243.8620461	243.8617142	243.8616949
0.16 secs	23.91227332	-96.08772201	143.9122729	345820.1547	345820.1746	345820.1888	-126.8605686	113.1393862	-6.860527487	243.8620572	243.8617467	243.861736
0.18 secs	23.9122731	-96.08772291	143.9122727	345820.1583	345820.1757	345820.1877	-126.8605647	113.139398	-6.860523818	243.8620424	243.8617524	243.8617606
0.2 secs	23.91227289	-96.08772369	143.9122726	345820.1613	345820.1762	345820.1865	-126.8605601	113.1394086	-6.860521891	243.8620242	243.8617621	243.8617783
0.22 secs	23.9122727	-96.08772437	143.9122725	345820.1639	345820.1767	345820.1855	-126.8605551	113.1394181	-6.860521166	243.862007	243.8617769	243.8617936
0.24 secs	23.91227255	-96.08772495	143.9122723	345820.1662	345820.1772	345820.1846	-126.8605502	113.1394266	-6.860520794	243.8619912	243.8617922	243.8618071
0.26 secs	23.91227242	-96.08772545	143.9122722	345820.1681	345820.1775	345820.1838	-126.8605459	113.1394343	-6.860520458	243.8619769	243.8618058	243.8618189
0.28 secs	23.9122723	-96.08772587	143.9122722	345820.1697	345820.1779	345820.1832	-126.8605421	113.139441	-6.860520129	243.8619642	243.8618174	243.861829
0.3 secs	23.91227221	-96.08772623	143.9122721	345820.1711	345820.1782	345820.1826	-126.8605387	113.1394468	-6.860519834	243.8619531	243.8618272	243.8618374
0.32 secs	23.91227213	-96.08772654	143.912272	345820.1723	345820.1784	345820.1821	-126.8605359	113.1394517	-6.860519582	243.8619435	243.8618355	243.8618446
0.34 secs	23.91227206	-96.0877268	143.912272	345820.1733	345820.1786	345820.1817	-126.8605335	113.139456	-6.86051937	243.8619353	243.8618427	243.8618507
0.36 secs	23.912272	-96.08772702	143.9122719	345820.1741	345820.1788	345820.1814	-126.8605314	113.1394596	-6.860519191	243.8619283	243.8618488	243.8618559
0.38 secs	23.91227195	-96.08772721	143.9122719	345820.1749	345820.179	345820.1811	-126.8605296	113.1394626	-6.86051904	243.8619223	243.861854	243.8618603
0.4 secs	23.91227191	-96.08772737	143.9122719	345820.1755	345820.1791	345820.1809	-126.8605281	113.1394653	-6.860518911	243.8619172	243.8618584	243.861864
0.42 secs	23.91227187	-96.08772751	143.9122718	345820.176	345820.1792	345820.1807	-126.8605268	113.1394675	-6.860518801	243.8619128	243.8618622	243.8618672
0.44 secs	23.91227184	-96.08772763	143.9122718	345820.1765	345820.1793	345820.1805	-126.8605257	113.1394694	-6.860518707	243.8619091	243.8618654	243.8618699
0.46 secs	23.91227181	-96.08772773	143.9122718	345820.1769	345820.1794	345820.1803	-126.8605247	113.1394711	-6.860518628	243.8619059	243.8618682	243.8618722
0.48 secs	23.91227179	-96.08772781	143.9122718	345820.1772	345820.1795	345820.1802	-126.8605239	113.1394725	-6.86051856	243.8619032	243.8618706	243.8618742
0.5 secs	23.91227177	-96.08772788	143.9122718	345820.1775	345820.1795	345820.1801	-126.8605232	113.1394736	-6.860518502	243.8619009	243.8618726	243.8618759
0.52 secs	63.93033466	-61.59247291	176.6924956	147707.9109	160113.4831	141320.0108	-29.12959085	-150.0215283	91.10389169	746.6104849	736.6365483	731.6543043
0.54 secs	61.17532184	-58.81498891	-178.8029091	129225.7695	129181.6921	129222.6582	-28.39850088	-149.9946089	92.60611511	683.7449478	660.105254	655.9747895
0.56 secs	61.1358682	-58.89327557	-178.8997505	129363.727	129418.578	129334.1592	-29.10778934	-149.9407046	91.39386752	672.1446353	660.0250107	657.7660678
0.58 secs	61.11978085	-58.88876686	-178.8916509	129383.1977	129401.8605	129375.8124	-29.45762521	-149.9063096	90.81770495	666.2784518	659.6623658	658.4942057
0.6 secs	61.11178201	-58.88920511	-178.889775	129394.0065	129396.7801	129393.4626	-29.64223206	-149.9104146	90.5264451	663.4047982	659.3908329	658.7241774
0.62 secs	61.10825275	-58.88987007	-178.8895857	129399.9603	129396.7715	129402.0373	-29.73557553	-149.914704	90.37651365	661.9695354	659.2944086	658.846569
0.64 secs	61.10674565	-58.89011339	-178.8895872	129402.8015	129397.3338	129406.211	-29.78246736	-149.9145065	90.29894496	661.2251797	659.2686387	658.9309522
0.66 secs	61.10613719	-58.89011182	-178.8895311	129403.961	129397.5555	129408.0947	-29.80695428	-149.9130704	90.25805783	660.8220816	659.2548709	658.9809284
0.68 secs	61.10593929	-58.89006497	-178.889465	129404.3419	129397.5671	129408.7698	-29.82064125	-149.9120364	90.23536913	660.5914217	659.2412452	659.0055299
0.7 secs	61.10594219	-58.89003113	-178.8894271	129404.3915	129397.5656	129408.8543	-29.82894706	-149.9114318	90.22166215	660.4483098	659.2289016	659.0166242
0.72 secs	18.94006198	-96.00778724	153.4890156	254934.27	196538.087	248568.251	-9.940186063	-131.6092979	99.54714216	479.923765	562.9454083	507.3416293
0.74 secs	22.06829573	-98.05165314	142.0968072	315371.7947	314828.3164	314514.5166	-1.512050872	-121.5352191	118.1007868	570.9236456	575.4119385	573.9457583
0.76 secs	22.152209	-97.84581386	142.169599	315759.0097	315665.8044	315708.6391	-1.518709478	-121.4462288	118.3328741	571.0466871	573.5264485	572.7899565
0.78 secs	22.1541875	-97.84297344	142.1712459	315735.7018	315648.5118	315700.6851	-1.503651161	-121.454861	118.3401102	571.2207744	573.4988986	572.8421037
0.8 secs	22.15623487	-97.84240181	142.1686043	315722.7398	315640.4002	315694.8409	-1.500260752	-121.4582877	118.3499492	571.497867	573.4934606	572.9313283
0.82 secs	22.15672108	-97.84167741	142.1675109	315709.7137	315641.5242	315684.8613	-1.504451549	-121.4615047	118.3683342	571.7583524	573.5565238	572.9947765
0.84 secs	22.15714668	-97.84123198	142.1668033	315697.678	315643.226	315676.8332	-1.50026899	-121.4672472	118.3822299	572.0130559	573.5485133	573.112234
0.86 secs	22.15787665	-97.84087404	142.1658596	315688.5751	315642.383	315671.2971	-1.500855006	-121.4699014	118.397614	572.2388619	573.5843052	573.1743135
0.88 secs	22.15843452	-97.84055925	142.1651025	315680.823	315641.9535	315666.4444	-1.500417976	-121.4734309	118.4117375	572.4249609	573.613666	573.2405382
0.9 secs	22.15890299	-97.84027707	142.1644462	315674.4203	315641.5216	315662.3212	-1.498577988	-121.4765401	118.4226787	572.5927572	573.6224842	573.3072056
0.92 secs	22.15924929	-97.84002101	142.1639231	315669.0091	315641.3982	315658.6468	-1.498261836	-121.478701	118.4329085	572.7354735	573.6414702	573.3548596
0.94 secs	22.15954374	-97.83983301	142.1635077	315664.2968	315641.3619	315655.6546	-1.49757175	-121.4808949	118.4416717	572.8563073	573.654808	573.4005415
0.96 secs	22.15982502	-97.83967586	142.163126	315660.4357	315641.1211	315653.2489	-1.497010472	-121.4825783	118.4490751	572.9619427	573.6654453	573.4387057
0.98 secs	22.16004844	-97.83953274	142.1628072	315657.2176	315640.967	315651.1502	-1.496637452	-121.4840369	118.4555975	573.0517017	573.6758978	573.471177
1 sec	22.16023203	-97.839416	142.1625471	315654.4755	315640.8758	315649.3842	-1.496168505	-121.4853508	118.4611535	573.1288934	573.683489	573.5005351

Time	V_96_angleA	V_96_angleB	V_96_angleC	V_96_magA	V_96_magB	V_96_magC	I_96_angleA	I_96_angleB	I_96_angleC	I_96_magA	I_96_magB	I_96_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	27.90080999	-92.10458552	147.8915751	336554.2702	336598.6082	336548.9921	59.71530656	-60.29745454	179.6992048	586.3181969	586.4330466	586.2625228
0.04 secs	27.89381148	-92.10560571	147.8942826	336536.8659	336535.6479	336539.2214	59.70460914	-60.29522042	179.7047213	586.2430725	586.242754	586.2444223
0.06 secs	27.8940722	-92.10588419	147.8941409	336539.0961	336538.7785	336539.1592	59.70446779	-60.29550963	179.7047429	586.2452957	586.2421778	586.2439355
0.08 secs	27.89411365	-92.10588344	147.8941196	336539.2223	336539.1924	336539.2222	59.70454021	-60.29548654	179.70471	586.245197	586.2430328	586.2438767
0.1 secs	27.89411888	-92.10587754	147.8941163	336539.2167	336539.2469	336539.25	59.70459406	-60.29543399	179.7046908	586.2448371	586.2435283	586.243933
0.12 secs	27.89411868	-92.10587644	147.8941163	336539.2148	336539.2483	336539.2564	59.70462296	-60.29539971	179.7046825	586.2446146	586.2437764	586.2439934
0.14 secs	27.89411798	-92.10587715	147.8941165	336539.217	336539.2443	336539.2554	59.70463921	-60.29537879	179.7046801	586.244495	586.2439051	586.2440393
0.16 secs	27.89411741	-92.10587824	147.8941165	336539.2202	336539.2421	336539.2533	59.70464897	-60.29536532	179.7046798	586.244424	586.2439743	586.2440713
0.18 secs	27.894117	-92.10587924	147.8941163	336539.2234	336539.2415	336539.2516	59.70465533	-60.29535627	179.70468	586.2443787	586.2440181	586.2440943
0.2 secs	27.89411673	-92.10588006	147.8941162	336539.2263	336539.2417	336539.2504	59.70465985	-60.29534983	179.7046801	586.2443479	586.2440508	586.2441124
0.22 secs	27.89411652	-92.10588074	147.894116	336539.2287	336539.242	336539.2493	59.70466327	-60.29534493	179.7046802	586.2443255	586.244077	586.2441275
0.24 secs	27.89411634	-92.10588132	147.8941159	336539.2308	336539.2423	336539.2485	59.70466598	-60.29534098	179.7046802	586.244308	586.2440986	586.2441404
0.26 secs	27.89411619	-92.10588181	147.8941158	336539.2326	336539.2425	336539.2477	59.7046682	-60.29533771	179.7046802	586.2442939	586.2441165	586.2441516
0.28 secs	27.89411606	-92.10588224	147.8941158	336539.2341	336539.2427	336539.2471	59.70467004	-60.29533497	179.7046802	586.2442821	586.2441315	586.2441612
0.3 secs	27.89411595	-92.10588259	147.8941157	336539.2354	336539.2428	336539.2465	59.70467158	-60.29533266	179.7046803	586.2442723	586.2441441	586.2441694
0.32 secs	27.89411586	-92.1058829	147.8941156	336539.2365	336539.2429	336539.246	59.70467289	-60.2953307	179.7046803	586.244264	586.2441549	586.2441765
0.34 secs	27.89411578	-92.10588316	147.8941156	336539.2375	336539.243	336539.2456	59.70467399	-60.29532904	179.7046803	586.244257	586.244164	586.2441825
0.36 secs	27.89411571	-92.10588338	147.8941156	336539.2383	336539.2431	336539.2453	59.70467493	-60.29532762	179.7046803	586.244251	586.2441718	586.2441876
0.38 secs	27.89411566	-92.10588357	147.8941155	336539.239	336539.2432	336539.245	59.70467573	-60.29532642	179.7046803	586.244246	586.2441784	586.244192
0.4 secs	27.89411561	-92.10588373	147.8941155	336539.2396	336539.2432	336539.2448	59.70467641	-60.29532539	179.7046804	586.2442417	586.244184	586.2441957
0.42 secs	27.89411556	-92.10588387	147.8941155	336539.24	336539.2433	336539.2445	59.70467699	-60.29532452	179.7046804	586.244238	586.2441888	586.2441989
0.44 secs	27.89411553	-92.10588399	147.8941155	336539.2405	336539.2433	336539.2444	59.70467748	-60.29532377	179.7046804	586.2442349	586.2441929	586.2442016
0.46 secs	27.8941155	-92.10588409	147.8941154	336539.2408	336539.2433	336539.2442	59.7046779	-60.29532314	179.7046804	586.2442322	586.2441964	586.2442039
0.48 secs	27.89411547	-92.10588417	147.8941154	336539.2411	336539.2434	336539.2441	59.70467825	-60.2953226	179.7046804	586.2442299	586.2441993	586.2442059
0.5 secs	27.89411545	-92.10588424	147.8941154	336539.2414	336539.2434	336539.244	59.70467856	-60.29532214	179.7046804	586.244228	586.2442018	586.2442075
0.52 secs	66.34079119	-58.21646363	-179.6854029	171401.1948	183621.0132	165500.3811	-1.940133798	-123.350247	125.924463	582.9973272	492.0999219	531.9904196
0.54 secs	64.60798723	-55.13826403	-175.1460946	154183.6223	153812.2695	154588.5469	-1.296695441	-121.523543	121.0847125	566.2035875	538.5401349	550.9990708
0.56 secs	64.58205275	-55.43325808	-175.4089444	154577.3357	154525.4661	154515.6393	-1.534962479	-121.7597038	119.6729189	552.7019227	538.2512746	543.7669417
0.58 secs	64.57958014	-55.43329241	-175.429182	154622.6371	154629.8834	154596.174	-1.6281336	-121.7588919	118.9667406	545.7397908	538.5445621	541.1062552
0.6 secs	64.5737649	-55.42993794	-175.4293271	154633.5265	154637.3929	154626.8049	-1.678142103	-121.7465719	118.6254906	542.2201409	538.5458362	539.8333507
0.62 secs	64.57051909	-55.42868756	-175.4287127	154638.4398	154637.2824	154639.7154	-1.704027863	-121.7402904	118.4568236	540.4640994	538.5195153	539.1987112
0.64 secs	64.56883115	-55.4283789	-175.4282513	154640.6709	154635.9258	154644.8195	-1.717222504	-121.7373385	118.3728697	539.5860741	538.4985322	538.8792211
0.66 secs	64.56812154	-55.42837068	-175.4281428	154641.8151	154635.639	154646.926	-1.723883107	-121.7359904	118.3306307	539.1439365	538.4863996	538.7168621
0.68 secs	64.56788735	-55.42838517	-175.4281152	154642.2892	154635.6393	154647.6767	-1.727209615	-121.7352457	118.3090567	538.9173641	538.4800842	538.6334228
0.7 secs	64.56787986	-55.42838078	-175.4281063	154642.4056	154635.7232	154647.8047	-1.728872491	-121.7347694	118.2977383	538.7975537	538.4767161	538.589196
0.72 secs	30.08767234	-84.06290234	161.084241	264656.1679	220074.8746	266311.2206	25.23054177	-100.1743386	142.038403	961.0148155	968.4578605	869.4669573
0.74 secs	31.83944217	-88.22797845	151.8862489	319366.0209	318798.11	318694.8617	31.88242277	-88.4360682	151.2970521	1157.435337	1167.05826	1157.408498
0.76 secs	31.89771679	-88.09075328	151.9242821	319746.4057	319719.7553	319711.768	31.88763736	-88.19670994	151.6455804	1157.457132	1162.048589	1158.534032
0.78 secs	31.9058911	-88.08934687	151.9217697	319741.4563	319674.5492	319729.6869	31.86497388	-88.20380451	151.6612212	1157.937716	1162.090872	1158.848551
0.8 secs	31.90977129	-88.08839802	151.9181103	319739.7906	319658.0407	319726.263	31.8494937	-88.21106459	151.6711253	1158.490344	1162.069981	1159.264233
0.82 secs	31.9100923	-88.08770244	151.9178995	319728.0165	319662.812	319714.6751	31.83631909	-88.21693199	151.6797642	1159.013195	1162.033143	1159.652229
0.84 secs	31.90976944	-88.0872812	151.9184062	319715.2566	319670.7275	319703.8168	31.82326043	-88.22187025	151.6890579	1159.457381	1162.035676	1159.979043
0.86 secs	31.91043207	-88.08712557	151.9180912	319706.3631	319671.9332	319698.3834	31.81153724	-88.22639926	151.6979811	1159.828613	1162.052109	1160.262755
0.88 secs	31.9114724	-88.08688522	151.9172431	319701.1825	319669.5154	319695.0014	31.80219908	-88.23047502	151.7052281	1160.149434	1162.052764	1160.518042
0.9 secs	31.91204299	-88.0865566	151.9167127	319696.6668	319669.0563	319690.7613	31.794528	-88.23386921	151.711106	1160.427601	1162.046214	1160.739061
0.92 secs	31.91236483	-88.08632233	151.9164675	319692.0927	319669.8246	319686.8267	31.7878237	-88.23666798	151.716242	1160.663603	1162.044275	1160.924484
0.94 secs	31.9127225	-88.08617324	151.9162218	319688.2245	319670.0585	319683.9614	31.78202014	-88.2390562	151.7207535	1160.86217	1162.045571	1161.081333
0.96 secs	31.91307943	-88.08604236	151.9159532	319685.1959	319669.8702	319681.7235	31.77712199	-88.24110018	151.7245916	1161.030476	1162.046332	1161.215493
0.98 secs	31.91337565	-88.08591789	151.9157167	319682.7372	319669.6864	319679.7899	31.7730038	-88.24282394	151.7278137	1161.173975	1162.045974	1161.330181
1 sec	31.91359516	-88.08581163	151.9155457	319680.5922	319669.7134	319678.0705	31.76950791	-88.24426781	151.7305412	1161.296267	1162.045429	1161.427804

Time	V_69_angleA	V_69_angleB	V_69_angleC	V_69_magA	V_69_magB	V_69_magC	I_69_angleA	I_69_angleB	I_69_angleC	I_69_magA	I_69_magB	I_69_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	23.91887984	-96.08737716	143.9098521	345839.5781	345880.6929	345827.4271	-135.8924752	104.1121778	-15.88627747	512.7015962	512.6615931	512.7176515
0.04 secs	23.91228564	-96.08766121	143.9122769	345819.8081	345820.055	345820.2091	-135.8869923	104.1134315	-15.88502855	512.7243654	512.7062626	512.7185983
0.06 secs	23.91228254	-96.0877143	143.9122658	345820.1435	345820.272	345820.2241	-135.8855582	104.114137	-15.88528034	512.7254105	512.7209636	512.7208247
0.08 secs	23.91227766	-96.08771425	143.9122726	345820.1353	345820.1997	345820.2096	-135.8853004	104.1145302	-15.88524565	512.7236405	512.7221985	512.7216063
0.1 secs	23.91227508	-96.08771711	143.9122742	345820.1386	345820.1729	345820.1964	-135.8852512	104.1146659	-15.88520922	512.7228635	512.7220007	512.7217885
0.12 secs	23.91227399	-96.08771942	143.9122738	345820.1446	345820.1696	345820.1914	-135.8852309	104.1147192	-15.8851935	512.7225483	512.7219032	512.7218389
0.14 secs	23.91227357	-96.08772093	143.9122733	345820.1502	345820.1724	345820.1898	-135.8852187	104.1147454	-15.88518837	512.7223955	512.7218961	512.7218666
0.16 secs	23.91227332	-96.08772201	143.9122729	345820.1547	345820.1746	345820.1888	-135.8852105	104.1147609	-15.8851869	512.7223092	512.7219169	512.7218905
0.18 secs	23.9122731	-96.08772291	143.9122727	345820.1583	345820.1757	345820.1877	-135.8852048	104.1147715	-15.88518623	512.7222531	512.7219378	512.7219116
0.2 secs	23.91227289	-96.08772369	143.9122726	345820.1613	345820.1762	345820.1865	-135.8852008	104.1147795	-15.88518566	512.7222125	512.7219535	512.7219294
0.22 secs	23.9122727	-96.08772437	143.9122725	345820.1639	345820.1767	345820.1855	-135.8851977	104.1147857	-15.88518514	512.7221816	512.7219653	512.7219442
0.24 secs	23.91227255	-96.08772495	143.9122723	345820.1662	345820.1772	345820.1846	-135.8851953	104.1147908	-15.88518468	512.7221572	512.7219748	512.7219568
0.26 secs	23.91227242	-96.08772545	143.9122722	345820.1681	345820.1775	345820.1838	-135.8851932	104.1147949	-15.88518431	512.7221374	512.7219829	512.7219674
0.28 secs	23.9122723	-96.08772587	143.9122722	345820.1697	345820.1779	345820.1832	-135.8851916	104.1147984	-15.88518399	512.722121	512.7219898	512.7219766
0.3 secs	23.91227221	-96.08772623	143.9122721	345820.1711	345820.1782	345820.1826	-135.8851902	104.1148013	-15.88518371	512.7221073	512.7219956	512.7219844
0.32 secs	23.91227213	-96.08772654	143.912272	345820.1723	345820.1784	345820.1821	-135.885189	104.1148038	-15.88518348	512.7220958	512.7220006	512.7219911
0.34 secs	23.91227206	-96.0877268	143.912272	345820.1733	345820.1786	345820.1817	-135.885188	104.1148059	-15.88518328	512.722086	512.7220048	512.7219969
0.36 secs	23.912272	-96.08772702	143.9122719	345820.1741	345820.1788	345820.1814	-135.8851871	104.1148077	-15.88518311	512.7220777	512.7220084	512.7220018
0.38 secs	23.91227195	-96.08772721	143.9122719	345820.1749	345820.179	345820.1811	-135.8851864	104.1148092	-15.88518296	512.7220706	512.7220114	512.7220059
0.4 secs	23.91227191	-96.08772737	143.9122719	345820.1755	345820.1791	345820.1809	-135.8851858	104.1148105	-15.88518284	512.7220646	512.722014	512.7220095
0.42 secs	23.91227187	-96.08772751	143.9122718	345820.176	345820.1792	345820.1807	-135.8851853	104.1148116	-15.88518273	512.7220595	512.7220162	512.7220125
0.44 secs	23.91227184	-96.08772763	143.9122718	345820.1765	345820.1793	345820.1805	-135.8851848	104.1148125	-15.88518264	512.7220551	512.7220181	512.7220151
0.46 secs	23.91227181	-96.08772773	143.9122718	345820.1769	345820.1794	345820.1803	-135.8851844	104.1148133	-15.88518256	512.7220514	512.7220197	512.7220173
0.48 secs	23.91227179	-96.08772781	143.9122718	345820.1772	345820.1795	345820.1802	-135.8851841	104.114814	-15.8851825	512.7220482	512.7220211	512.7220192
0.5 secs	23.91227177	-96.08772788	143.9122718	345820.1775	345820.1795	345820.1801	-135.8851838	104.1148146	-15.88518244	512.7220455	512.7220222	512.7220208
0.52 secs	63.93033466	-61.59247291	176.6924956	147707.9109	160113.4831	141320.0108	175.1677681	53.03724695	-59.85199109	660.1219063	587.0998904	606.796907
0.54 secs	61.17532184	-58.81498891	-178.8029091	129225.7695	129181.6921	129222.6582	175.9950363	55.16179267	-62.23709583	631.3509639	604.5870311	610.6134852
0.56 secs	61.1358682	-58.89327557	-178.8997505	129363.727	129418.578	129334.1592	175.7317651	55.41095453	-63.329933	616.0517518	602.6446464	606.5025637
0.58 secs	61.11978085	-58.88876686	-178.8916509	129383.1977	129401.8605	129375.8124	175.5907904	55.44291091	-63.91128406	608.8539911	601.8975893	604.0522393
0.6 secs	61.11178201	-58.88920511	-178.889775	129394.0065	129396.7801	129393.4626	175.5241311	55.44787326	-64.21601788	605.3550218	601.7360928	602.8579081
0.62 secs	61.10825275	-58.88987007	-178.8895857	129399.9603	129396.7715	129402.0373	175.4916981	55.45091195	-64.36945602	603.6175916	601.6851506	602.2821348
0.64 secs	61.10674565	-58.89011339	-178.8895872	129402.8015	129397.3338	129406.211	175.4758099	55.45274142	-64.44651241	602.750506	601.668286	602.0001351
0.66 secs	61.10613719	-58.89011182	-178.8895311	129403.961	129397.5555	129408.0947	175.467947	55.45401082	-64.48521258	602.3126095	601.6599863	601.8597536
0.68 secs	61.10593929	-58.89006497	-178.889465	129404.3419	129397.5671	129408.7698	175.4639861	55.45473743	-64.50493502	602.0879374	601.6549485	601.78742
0.7 secs	61.10594219	-58.89003113	-178.8894271	129404.3915	129397.5656	129408.8543	175.4619509	55.45518551	-64.51524468	601.9689436	601.6513769	601.748682
0.72 secs	18.94006198	-96.00778724	153.4890156	254934.27	196538.087	248568.251	-162.3388856	73.63273258	-44.41393993	966.543798	963.2029405	891.6472863
0.74 secs	22.06829573	-98.05165314	142.0968072	315371.7947	314828.3164	314514.5166	-155.778395	84.0077021	-36.26834812	1154.169672	1164.155938	1155.438125
0.76 secs	22.152209	-97.84581386	142.169599	315759.0097	315665.8044	315708.6391	-155.7558631	84.19469424	-35.97514486	1154.603694	1159.676915	1156.43177
0.78 secs	22.1541875	-97.84297344	142.1712459	315735.7018	315648.5118	315700.6851	-155.7641134	84.18948272	-35.96699356	1155.290713	1159.499269	1156.783326
0.8 secs	22.15623487	-97.84240181	142.1686043	315722.7398	315640.4002	315694.8409	-155.7778498	84.18427496	-35.95420611	1155.898151	1159.522576	1157.114059
0.82 secs	22.15672108	-97.84167741	142.1675109	315709.7137	315641.5242	315684.8613	-155.7911523	84.17841325	-35.9398152	1156.412087	1159.579503	1157.432236
0.84 secs	22.15714668	-97.84123198	142.1668033	315697.678	315643.226	315676.8332	-155.8005068	84.17266505	-35.9283825	1156.875931	1159.586128	1157.750907
0.86 secs	22.15787665	-97.84087404	142.1658596	315688.5751	315642.383	315671.2971	-155.808138	84.16790666	-35.91887666	1157.285554	1159.581557	1158.03111
0.88 secs	22.15843452	-97.84055925	142.1651025	315680.823	315641.9535	315666.4444	-155.8153018	84.16408299	-35.91021964	1157.633841	1159.590604	1158.26202
0.9 secs	22.15890299	-97.84027707	142.1644462	315674.4203	315641.5216	315662.3212	-155.8216841	84.16083251	-35.90250283	1157.926978	1159.605186	1158.456387
0.92 secs	22.15924929	-97.84002101	142.1639231	315669.0091	315641.3982	315658.6468	-155.8269414	84.15797907	-35.89597899	1158.175648	1159.614949	1158.625327
0.94 secs	22.15954374	-97.83983301	142.1635077	315664.2968	315641.3619	315655.6546	-155.8312487	84.1555571	-35.89056851	1158.388408	1159.619708	1158.771149
0.96 secs	22.15982502	-97.83967586	142.163126	315660.4357	315641.1211	315653.2489	-155.8349318	84.15355123	-35.88597695	1158.569687	1159.623887	1158.894496
0.98 secs	22.16004844	-97.83953274	142.1628072	315657.2176	315640.967	315651.1502	-155.8381188	84.15185998	-35.88201268	1158.723036	1159.628757	1158.998799
1 sec	22.16023203	-97.839416	142.1625471	315654.4755	315640.8758	315649.3842	-155.8408249	84.15042064	-35.87862826	1158.853141	1159.632939	1159.08783



Time	V_89_angleA	V_89_angleB	V_89_angleC	V_89_magA	V_89_magB	V_89_magC	I_89_angleA	I_89_angleB	I_89_angleC	I_89_magA	I_89_magB	I_89_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	21.18045258	-98.82561017	141.1709833	340189.9409	340234.0773	340180.8349	-148.4618476	91.53808859	-28.46028579	1075.188577	1075.154049	1075.170277
0.04 secs	21.17343603	-98.8264595	141.1734676	340169.7463	340169.8888	340170.3553	-148.4621446	91.53781641	-28.46150679	1075.176859	1075.162621	1075.169108
0.06 secs	21.1734398	-98.82654582	141.1734415	340170.177	340170.2151	340170.2705	-148.4617335	91.5381486	-28.46166224	1075.173961	1075.171144	1075.170638
0.08 secs	21.17344088	-98.82654843	141.1734407	340170.1916	340170.2303	340170.2665	-148.4617242	91.5382046	-28.46168886	1075.17242	1075.170888	1075.170497
0.1 secs	21.17344064	-98.82655083	141.1734402	340170.2011	340170.2338	340170.2619	-148.4617349	91.53820196	-28.46170397	1075.172064	1075.170714	1075.170364
0.12 secs	21.17344018	-98.82655269	141.1734399	340170.2079	340170.2349	340170.2586	-148.4617338	91.53820484	-28.46171078	1075.171934	1075.170776	1075.170358
0.14 secs	21.17343979	-98.82655413	141.1734396	340170.2132	340170.2359	340170.2564	-148.4617298	91.53821386	-28.46171197	1075.171807	1075.170816	1075.170396
0.16 secs	21.17343952	-98.82655529	141.1734394	340170.2177	340170.2373	340170.2547	-148.4617257	91.53822449	-28.461711	1075.171678	1075.170824	1075.170443
0.18 secs	21.17343931	-98.82655629	141.1734391	340170.2217	340170.2385	340170.2533	-148.4617221	91.53823472	-28.46170956	1075.171559	1075.170824	1075.170491
0.2 secs	21.17343912	-98.82655714	141.173439	340170.225	340170.2396	340170.2521	-148.4617189	91.53824397	-28.46170817	1075.171454	1075.170825	1075.170536
0.22 secs	21.17343895	-98.82655787	141.1734388	340170.2279	340170.2404	340170.251	-148.4617161	91.5382521	-28.46170693	1075.171363	1075.170826	1075.170578
0.24 secs	21.17343881	-98.82655849	141.1734387	340170.2303	340170.241	340170.2501	-148.4617136	91.53825917	-28.46170583	1075.171285	1075.170826	1075.170614
0.26 secs	21.17343868	-98.82655902	141.1734386	340170.2323	340170.2416	340170.2493	-148.4617115	91.53826526	-28.46170488	1075.171217	1075.170827	1075.170645
0.28 secs	21.17343858	-98.82655947	141.1734385	340170.2341	340170.2421	340170.2487	-148.4617097	91.53827047	-28.46170405	1075.171159	1075.170827	1075.170672
0.3 secs	21.17343849	-98.82655985	141.1734384	340170.2356	340170.2425	340170.2481	-148.4617082	91.53827493	-28.46170335	1075.17111	1075.170827	1075.170695
0.32 secs	21.17343841	-98.82656018	141.1734383	340170.2369	340170.2428	340170.2476	-148.4617069	91.53827873	-28.46170275	1075.171068	1075.170827	1075.170715
0.34 secs	21.17343835	-98.82656046	141.1734383	340170.2379	340170.2431	340170.2472	-148.4617058	91.53828198	-28.46170224	1075.171032	1075.170827	1075.170731
0.36 secs	21.17343829	-98.82656069	141.1734382	340170.2389	340170.2434	340170.2469	-148.4617049	91.53828474	-28.4617018	1075.171001	1075.170827	1075.170745
0.38 secs	21.17343824	-98.8265609	141.1734382	340170.2396	340170.2436	340170.2466	-148.4617041	91.53828709	-28.46170143	1075.170975	1075.170827	1075.170758
0.4 secs	21.1734382	-98.82656107	141.1734382	340170.2403	340170.2438	340170.2463	-148.4617034	91.5382891	-28.46170111	1075.170952	1075.170827	1075.170768
0.42 secs	21.17343817	-98.82656121	141.1734381	340170.2409	340170.2439	340170.2461	-148.4617028	91.53829081	-28.46170084	1075.170933	1075.170827	1075.170777
0.44 secs	21.17343814	-98.82656134	141.1734381	340170.2414	340170.2441	340170.246	-148.4617023	91.53829227	-28.46170061	1075.170917	1075.170827	1075.170784
0.46 secs	21.17343811	-98.82656145	141.1734381	340170.2418	340170.2442	340170.2458	-148.4617019	91.53829351	-28.46170042	1075.170903	1075.170827	1075.17079
0.48 secs	21.17343809	-98.82656154	141.1734381	340170.2421	340170.2443	340170.2457	-148.4617015	91.53829456	-28.46170025	1075.170892	1075.170827	1075.170796
0.5 secs	21.17343808	-98.82656161	141.173438	340170.2424	340170.2444	340170.2456	-148.4617012	91.53829546	-28.46170011	1075.170882	1075.170827	1075.170801
0.52 secs	61.46007599	-64.86141401	172.6327359	142670.4335	157753.9124	136304.3567	-177.5472139	61.80205622	-54.48021738	1016.145523	949.7449706	974.9698317
0.54 secs	59.18536309	-60.72624352	179.2917785	124643.7752	124487.3027	124732.0034	-179.390364	60.05760589	-57.22362004	959.3229222	913.7025237	929.5323509
0.56 secs	59.13437407	-60.88694012	179.105916	124809.5984	124854.363	124791.7684	-179.5332603	60.26434067	-58.45510269	934.2493359	912.3902386	920.6887067
0.58 secs	59.11878909	-60.88771708	179.1113478	124833.7352	124844.2713	124826.7269	-179.6246611	60.28501896	-59.09576984	922.1275155	911.5395753	915.6275673
0.6 secs	59.1122317	-60.88747961	179.1122912	124845.2839	124845.4978	124845.9359	-179.6659596	60.29249022	-59.42553423	916.1897207	911.3834899	913.2221475
0.62 secs	59.10893968	-60.88777041	179.112943	124850.6886	124844.7547	124853.9303	-179.685862	60.29721753	-59.58934725	913.2643122	911.3349132	912.0678082
0.64 secs	59.10761828	-60.88778972	179.1131185	124853.1794	124845.1167	124857.8139	-179.6958794	60.29942902	-59.66948645	911.835567	911.3076534	911.5070798
0.66 secs	59.10710459	-60.8877664	179.1132592	124854.1295	124845.0958	124859.292	-179.7009134	60.30025057	-59.70815995	911.1505277	911.2942966	911.2384511
0.68 secs	59.10701042	-60.88773639	179.1133108	124854.4055	124845.1612	124859.697	-179.7034076	60.3004626	-59.72632108	910.8334	911.2896796	911.114919
0.7 secs	59.10710642	-60.88769578	179.1133396	124854.341	124845.1961	124859.5777	-179.7046308	60.30041132	-59.73434522	910.6974414	911.289332	911.0629561
0.72 secs	26.49937615	-89.11884422	156.9174002	270059.4125	223084.5506	266765.2214	-125.504495	88.58948822	-42.06253827	375.4760251	507.2587965	297.4126719
0.74 secs	29.53435004	-90.51531684	149.5864355	327152.3766	326574.9291	326591.7019	-120.2988497	119.7672659	-0.316964155	378.2502162	376.9917953	377.3536075
0.76 secs	29.61027394	-90.38348652	149.6295211	327606.131	327551.8211	327575.2946	-120.3411689	119.6456095	-0.407750275	378.9458942	378.8724112	378.3926789
0.78 secs	29.61451879	-90.38160966	149.630295	327591.1835	327528.8252	327577.4386	-120.3789692	119.6271893	-0.373216166	378.8755531	379.0091584	378.8195708
0.8 secs	29.61744369	-90.3807244	149.6272006	327586.4331	327515.7707	327572.78	-120.3887954	119.6231762	-0.372006094	378.9403886	378.9809144	379.0355575
0.82 secs	29.61792917	-90.37977634	149.6263575	327577.3439	327517.3745	327561.6635	-120.3924599	119.6277358	-0.379339243	379.0344903	378.9301897	379.1191726
0.84 secs	29.61802576	-90.37939081	149.6263777	327565.9412	327522.1786	327552.6273	-120.3988678	119.6291669	-0.37794685	379.0605228	378.9402073	379.1438794
0.86 secs	29.61877559	-90.37922332	149.6258827	327557.5247	327522.3208	327547.7598	-120.4031282	119.6269257	-0.373515791	379.0485651	378.9625546	379.1604461
0.88 secs	29.61964609	-90.37896978	149.6251126	327551.9938	327520.4737	327544.1016	-120.403589	119.6256429	-0.372881342	379.0482731	378.961043	379.1718548
0.9 secs	29.62017932	-90.37868163	149.6245883	327547.1964	327519.9758	327540.1371	-120.4028878	119.6258776	-0.37427012	379.0578061	378.9505838	379.1730636
0.92 secs	29.6204986	-90.37846496	149.624302	327542.5825	327520.4862	327536.4757	-120.4025451	119.6260303	-0.374763493	379.0612456	378.9470239	379.1681449
0.94 secs	29.62081069	-90.37831406	149.6240489	327538.6551	327520.7237	327533.6573	-120.4022615	119.6256765	-0.37437017	379.0577464	378.9485089	379.1619264
0.96 secs	29.62112621	-90.37818429	149.6237799	327535.5614	327520.5565	327531.4659	-120.4015999	119.6253012	-0.374101341	379.0534998	378.9490753	379.1554009
0.98 secs	29.6213852	-90.37806332	149.6235482	327533.0312	327520.4118	327529.5756	-120.4006466	119.6251363	-0.374165313	379.0505146	378.9479682	379.1480597
1 sec	29.62158158	-90.37796022	149.6233732	327530.8556	327520.4202	327527.9227	-120.3996425	119.6250811	-0.374266766	379.0475103	378.9470331	379.1398187



Time	V_98_angleA	V_98_angleB	V_98_angleC	V_98_magA	V_98_magB	V_98_magC	I_98_angleA	I_98_angleB	I_98_angleC	I_98_magA	I_98_magB	I_98_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	27.90080999	-92.10458552	147.8915751	336554.2702	336598.6082	336548.9921	38.23558159	-81.76468561	158.2337785	1098.464848	1098.501811	1098.478894
0.04 secs	27.89381148	-92.10560571	147.8942826	336536.8659	336535.6479	336539.2214	38.23302727	-81.76706347	158.2331962	1098.46587	1098.461131	1098.461995
0.06 secs	27.8940722	-92.10588419	147.8941409	336539.0961	336538.7785	336539.1592	38.23313018	-81.76692424	158.233143	1098.462902	1098.46202	1098.461559
0.08 secs	27.89411365	-92.10588344	147.8941196	336539.2223	336539.1924	336539.2222	38.23312626	-81.76691725	158.2331515	1098.462356	1098.461321	1098.461117
0.1 secs	27.89411888	-92.10587754	147.8941163	336539.2167	336539.2469	336539.25	38.23312658	-81.76692362	158.2331569	1098.46233	1098.461109	1098.460887
0.12 secs	27.89411868	-92.10587644	147.8941163	336539.2148	336539.2483	336539.2564	38.2331305	-81.76692073	158.2331596	1098.462264	1098.461058	1098.460812
0.14 secs	27.89411798	-92.10587715	147.8941165	336539.217	336539.2443	336539.2554	38.23313512	-81.76691275	158.2331609	1098.462159	1098.461064	1098.460818
0.16 secs	27.89411741	-92.10587824	147.8941165	336539.2202	336539.2421	336539.2533	38.23313978	-81.7669031	158.2331618	1098.462049	1098.461092	1098.460859
0.18 secs	27.894117	-92.10587924	147.8941163	336539.2234	336539.2415	336539.2516	38.23314408	-81.76689341	158.2331628	1098.461943	1098.461119	1098.46091
0.2 secs	27.89411673	-92.10588006	147.8941162	336539.2263	336539.2417	336539.2504	38.23314788	-81.76688446	158.2331638	1098.461848	1098.461142	1098.460959
0.22 secs	27.89411652	-92.10588074	147.894116	336539.2287	336539.242	336539.2493	38.23315118	-81.76687653	158.2331648	1098.461764	1098.46116	1098.461003
0.24 secs	27.89411634	-92.10588132	147.8941159	336539.2308	336539.2423	336539.2485	38.23315402	-81.76686964	158.2331657	1098.461691	1098.461176	1098.461042
0.26 secs	27.89411619	-92.10588181	147.8941158	336539.2326	336539.2425	336539.2477	38.23315646	-81.76686372	158.2331664	1098.461628	1098.46119	1098.461075
0.28 secs	27.89411606	-92.10588224	147.8941158	336539.2341	336539.2427	336539.2471	38.23315855	-81.76685865	158.2331671	1098.461575	1098.461201	1098.461103
0.3 secs	27.89411595	-92.10588259	147.8941157	336539.2354	336539.2428	336539.2465	38.23316034	-81.76685432	158.2331676	1098.461529	1098.461211	1098.461128
0.32 secs	27.89411586	-92.1058829	147.8941156	336539.2365	336539.2429	336539.246	38.23316186	-81.76685062	158.2331681	1098.46149	1098.461219	1098.461148
0.34 secs	27.89411578	-92.10588316	147.8941156	336539.2375	336539.243	336539.2456	38.23316316	-81.76684747	158.2331685	1098.461456	1098.461227	1098.461166
0.36 secs	27.89411571	-92.10588338	147.8941156	336539.2383	336539.2431	336539.2453	38.23316427	-81.76684478	158.2331688	1098.461428	1098.461233	1098.461181
0.38 secs	27.89411566	-92.10588357	147.8941155	336539.239	336539.2432	336539.245	38.23316521	-81.76684249	158.2331691	1098.461404	1098.461238	1098.461194
0.4 secs	27.89411561	-92.10588373	147.8941155	336539.2396	336539.2432	336539.2448	38.23316601	-81.76684054	158.2331693	1098.461383	1098.461242	1098.461205
0.42 secs	27.89411556	-92.10588387	147.8941155	336539.24	336539.2433	336539.2445	38.2331667	-81.76683888	158.2331695	1098.461366	1098.461246	1098.461214
0.44 secs	27.89411553	-92.10588399	147.8941155	336539.2405	336539.2433	336539.2444	38.23316728	-81.76683746	158.2331697	1098.461351	1098.461249	1098.461222
0.46 secs	27.8941155	-92.10588409	147.8941154	336539.2408	336539.2433	336539.2442	38.23316778	-81.76683626	158.2331699	1098.461338	1098.461252	1098.461229
0.48 secs	27.89411547	-92.10588417	147.8941154	336539.2411	336539.2434	336539.2441	38.2331682	-81.76683523	158.23317	1098.461327	1098.461254	1098.461235
0.5 secs	27.89411545	-92.10588424	147.8941154	336539.2414	336539.2434	336539.244	38.23316856	-81.76683435	158.2331701	1098.461318	1098.461256	1098.461239
0.52 secs	66.34079119	-58.21646363	-179.6854029	171401.1948	183621.0132	165500.3811	3.956226793	-116.6681853	128.7973903	962.3576107	868.2357083	910.3242408
0.54 secs	64.60798723	-55.13826403	-175.1460946	154183.6223	153812.2695	154588.5469	2.166830151	-118.3125273	124.5653816	912.6430153	865.7867755	883.7009922
0.56 secs	64.58205275	-55.43325808	-175.4089444	154577.3357	154525.4661	154515.6393	2.095276844	-118.0802805	123.2637984	887.7014178	865.5809801	874.5241763
0.58 secs	64.57958014	-55.43329241	-175.429182	154622.6371	154629.8834	154596.174	2.028064016	-118.0475271	122.5955684	875.5308426	864.9308378	869.2848686
0.6 secs	64.5737649	-55.42993794	-175.4293271	154633.5265	154637.3929	154626.8049	1.995550366	-118.0383393	122.2543013	869.5640815	864.7492517	866.722466
0.62 secs	64.57051909	-55.42868756	-175.4287127	154638.4398	154637.2824	154639.7154	1.979633968	-118.0341256	122.0842427	866.6307451	864.6862654	865.4800997
0.64 secs	64.56883115	-55.4283789	-175.4282513	154640.6709	154635.9258	154644.8195	1.971825272	-118.032084	122.0006077	865.200247	864.6645046	864.8813903
0.66 secs	64.56812154	-55.42837068	-175.4281428	154641.8151	154635.639	154646.926	1.967949127	-118.0311364	121.9602219	864.5137666	864.6563791	864.5970311
0.68 secs	64.56788735	-55.42838517	-175.4281152	154642.2892	154635.6393	154647.6767	1.965983265	-118.0308365	121.9412885	864.1955844	864.6535258	864.4661967
0.7 secs	64.56787986	-55.42838078	-175.4281063	154642.4056	154635.7232	154647.8047	1.964963126	-118.0308667	121.9329415	864.0589833	864.6531617	864.4107061
0.72 secs	30.08767234	-84.06290234	161.084241	264656.1679	220074.8746	266311.2206	67.10939519	-82.16854651	154.2613756	436.2807564	530.3700807	285.5204943
0.74 secs	31.83944217	-88.22797845	151.8862489	319366.0209	318798.11	318694.8617	73.51270353	-46.53041023	-166.450579	450.5198722	451.1885781	450.2240657
0.76 secs	31.89771679	-88.09075328	151.9242821	319746.4057	319719.7553	319711.768	73.51327518	-46.53406724	-166.498739	451.5090504	451.8787987	451.3929007
0.78 secs	31.9058911	-88.08934687	151.9217697	319741.4563	319674.5492	319729.6869	73.48969609	-46.51070995	-166.5248978	451.8144328	451.7631396	451.6795036
0.8 secs	31.90977129	-88.08839802	151.9181103	319739.7906	319658.0407	319726.263	73.47087066	-46.50868044	-166.5241369	451.853961	451.7994003	451.826682
0.82 secs	31.9100923	-88.08770244	151.9178995	319728.0165	319662.812	319714.6751	73.46214311	-46.51479061	-166.5182712	451.8159693	451.8354413	451.9353145
0.84 secs	31.90976944	-88.0872812	151.9184062	319715.2566	319670.7275	319703.8168	73.4603741	-46.51619026	-166.5200086	451.8279983	451.8175552	451.9923799
0.86 secs	31.91043207	-88.08712557	151.9180912	319706.3631	319671.9332	319698.3834	73.45956346	-46.51444898	-166.5234973	451.8589751	451.7947127	452.0072968
0.88 secs	31.9114724	-88.08688522	151.9172431	319701.1825	319669.5154	319695.0014	73.45824939	-46.5141099	-166.52372	451.8662201	451.7935699	452.0091956
0.9 secs	31.91204299	-88.0865566	151.9167127	319696.6668	319669.0563	319690.7613	73.45756266	-46.51513372	-166.5223866	451.8583943	451.7995404	452.0108088
0.92 secs	31.91236483	-88.08632233	151.9164675	319692.0927	319669.8246	319686.8267	73.45781662	-46.51580477	-166.5218197	451.854461	451.7996737	452.0097764
0.94 secs	31.9127225	-88.08617324	151.9162218	319688.2245	319670.0585	319683.9614	73.45846267	-46.5158308	-166.5219329	451.855743	451.7962914	452.0044205
0.96 secs	31.91307943	-88.08604236	151.9159532	319685.1959	319669.8702	319681.7235	73.45914384	-46.5157873	-166.5219019	451.8560968	451.7944056	451.9969512
0.98 secs	31.91337565	-88.08591789	151.9157167	319682.7372	319669.6864	319679.7899	73.45988316	-46.51590599	-166.5215908	451.8539971	451.7942708	451.9892623
1 sec	31.91359516	-88.08581163	151.9155457	319680.5922	319669.7134	319678.0705	73.46075695	-46.51605192	-166.5212631	451.8513624	451.7941487	451.9815616

Time	V_57_angleA	V_57_angleB	V_57_angleC	V_57_magA	V_57_magB	V_57_magC	I_57_angleA	I_57_angleB	I_57_angleC	I_57_magA	I_57_magB	I_57_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	20.03997967	-99.96577064	140.0306043	343096.7684	343141.7133	343089.4204	-143.9003072	96.08244919	-23.91074583	1062.010844	1062.049714	1061.753465
0.04 secs	20.03298197	-99.96689564	140.0330301	343077.9316	343078.0226	343078.6122	-143.9042859	96.09524812	-23.90426078	1061.7931	1061.787575	1061.782861
0.06 secs	20.03299008	-99.96699581	140.0329972	343078.4212	343078.4217	343078.495	-143.9042049	96.09549268	-23.90419348	1061.79129	1061.787807	1061.784697
0.08 secs	20.03299032	-99.96699994	140.0329926	343078.4404	343078.4591	343078.5006	-143.9041744	96.09564199	-23.90415398	1061.789843	1061.787439	1061.785696
0.1 secs	20.03299089	-99.96700089	140.0329911	343078.4491	343078.4769	343078.506	-143.9041604	96.09572544	-23.90413312	1061.788976	1061.787169	1061.786241
0.12 secs	20.03299106	-99.9670018	140.0329908	343078.4551	343078.4826	343078.5062	-143.9041487	96.09577507	-23.90412272	1061.788478	1061.787105	1061.786569
0.14 secs	20.03299088	-99.967003	140.0329906	343078.4603	343078.4839	343078.5042	-143.9041385	96.09580479	-23.90411771	1061.788205	1061.787151	1061.786769
0.16 secs	20.03299058	-99.9670042	140.0329905	343078.4648	343078.4845	343078.5021	-143.9041312	96.09582353	-23.9041148	1061.788036	1061.787199	1061.786892
0.18 secs	20.03299032	-99.96700524	140.0329903	343078.4688	343078.4853	343078.5005	-143.9041263	96.09583656	-23.9041127	1061.787912	1061.787222	1061.786972
0.2 secs	20.03299012	-99.9670061	140.0329901	343078.4721	343078.4862	343078.4992	-143.9041228	96.09584649	-23.90411107	1061.787812	1061.78723	1061.787029
0.22 secs	20.03298996	-99.96700682	140.0329899	343078.475	343078.4872	343078.4982	-143.9041199	96.09585444	-23.90410984	1061.78773	1061.787237	1061.787073
0.24 secs	20.03298983	-99.96700743	140.0329898	343078.4774	343078.4879	343078.4973	-143.9041175	96.09586094	-23.90410889	1061.787662	1061.787246	1061.787109
0.26 secs	20.03298971	-99.96700796	140.0329897	343078.4795	343078.4886	343078.4965	-143.9041154	96.09586633	-23.90410814	1061.787607	1061.787254	1061.787139
0.28 secs	20.03298961	-99.9670084	140.0329896	343078.4813	343078.4891	343078.4959	-143.9041136	96.09587085	-23.90410752	1061.78756	1061.787261	1061.787163
0.3 secs	20.03298953	-99.96700879	140.0329895	343078.4828	343078.4896	343078.4953	-143.9041122	96.09587466	-23.90410699	1061.78752	1061.787267	1061.787183
0.32 secs	20.03298946	-99.96700911	140.0329894	343078.4841	343078.49	343078.4949	-143.9041109	96.0958779	-23.90410655	1061.787487	1061.787271	1061.787201
0.34 secs	20.03298939	-99.96700939	140.0329894	343078.4852	343078.4903	343078.4945	-143.9041098	96.09588064	-23.90410617	1061.787458	1061.787275	1061.787215
0.36 secs	20.03298934	-99.96700962	140.0329893	343078.4861	343078.4906	343078.4941	-143.9041089	96.09588298	-23.90410585	1061.787433	1061.787279	1061.787228
0.38 secs	20.0329893	-99.96700982	140.0329893	343078.4869	343078.4908	343078.4938	-143.9041082	96.09588497	-23.90410558	1061.787413	1061.787282	1061.787238
0.4 secs	20.03298926	-99.96700999	140.0329892	343078.4876	343078.4911	343078.4936	-143.9041075	96.09588666	-23.90410535	1061.787395	1061.787284	1061.787247
0.42 secs	20.03298923	-99.96701014	140.0329892	343078.4882	343078.4912	343078.4934	-143.9041069	96.0958881	-23.90410515	1061.78738	1061.787286	1061.787255
0.44 secs	20.0329892	-99.96701026	140.0329892	343078.4887	343078.4914	343078.4932	-143.9041065	96.09588932	-23.90410499	1061.787367	1061.787288	1061.787262
0.46 secs	20.03298918	-99.96701037	140.0329892	343078.4891	343078.4915	343078.4931	-143.9041061	96.09589037	-23.90410485	1061.787356	1061.78729	1061.787267
0.48 secs	20.03298916	-99.96701046	140.0329891	343078.4894	343078.4916	343078.4929	-143.9041057	96.09589125	-23.90410472	1061.787347	1061.787291	1061.787272
0.5 secs	20.03298914	-99.96701053	140.0329891	343078.4897	343078.4917	343078.4928	-143.9041054	96.09589201	-23.90410462	1061.787339	1061.787292	1061.787276
0.52 secs	68.91583271	-61.0594741	171.9894698	21842.3006	26623.5003	20945.05063	-19.2254419	-138.7899202	98.26860582	1944.756954	2055.599817	2015.607943
0.54 secs	60.38293339	-59.42444475	-179.4448933	17175.93479	17149.59337	17212.7241	-22.74654044	-144.4713167	98.86118868	1810.498619	1725.467008	1723.29423
0.56 secs	60.33248529	-59.66295113	-179.66032	17211.31067	17209.60683	17211.64614	-23.61366955	-144.5071058	97.19064412	1766.08748	1722.886231	1721.286321
0.58 secs	60.32188007	-59.68545301	-179.6807144	17218.84664	17218.475	17216.75247	-24.02937084	-144.4951059	96.37966863	1744.443238	1722.228877	1721.227832
0.6 secs	60.31769975	-59.68648516	-179.6852044	17221.32195	17221.60397	17220.3738	-24.23559121	-144.4889157	95.98402307	1733.911866	1721.914746	1721.324349
0.62 secs	60.31481013	-59.68368807	-179.6835505	17221.86928	17221.56124	17222.10638	-24.33738063	-144.4856924	95.79048889	1728.75725	1721.753849	1721.397245
0.64 secs	60.31297909	-59.6825555	-179.6821222	17222.03277	17221.10773	17222.73281	-24.38773673	-144.4840471	95.6951528	1726.212401	1721.668321	1721.434662
0.66 secs	60.31213708	-59.6825416	-179.6817387	17222.15289	17220.95098	17222.9373	-24.41288804	-144.4831522	95.647564	1724.936165	1721.621244	1721.450581
0.68 secs	60.31188564	-59.6826846	-179.6817534	17222.22653	17220.96126	17223.00749	-24.4257157	-144.4826031	95.62322902	1724.277595	1721.593523	1721.455444
0.7 secs	60.31188997	-59.68272154	-179.6817889	17222.2487	17220.99011	17223.02226	-24.43251973	-144.4822213	95.61024656	1723.920607	1721.575352	1721.45482
0.72 secs	-4.66350985	-127.3951658	138.9743527	235340.6625	174199.1111	199315.3026	-90.00000003	-126.2282374	43.74016529	11.12122156	409.5810385	610.6458694
0.74 secs	3.877211805	-116.2591674	123.8753475	306968.9975	306664.8781	305759.9777	178.6611103	72.84731106	-56.58233967	6.8117E-09	7.18929E-09	7.79259E-09
0.76 secs	4.028791329	-115.9768232	124.044016	307224.4139	307095.5283	307135.1146	178.7829014	73.07437745	-57.16477473	6.82417E-09	7.16571E-09	7.92542E-09
0.78 secs	4.028915376	-115.973735	124.0468083	307195.8172	307071.7152	307112.1789	179.1171278	72.92743464	-57.19033171	6.82486E-09	7.14457E-09	7.95189E-09
0.8 secs	4.029643209	-115.9732687	124.0440751	307174.1973	307067.5616	307104.9517	178.9720617	73.17454423	-56.89802934	6.81236E-09	7.16785E-09	7.91038E-09
0.82 secs	4.029706981	-115.9726424	124.0420043	307155.7729	307066.5249	307097.1166	178.8539985	73.16138204	-57.04646627	6.82115E-09	7.16241E-09	7.91061E-09
0.84 secs	4.029760923	-115.9721574	124.0402699	307140.1876	307065.5428	307090.8346	178.9731327	73.12177525	-57.12573957	6.81946E-09	7.14609E-09	7.91707E-09
0.86 secs	4.029961351	-115.9717468	124.0386543	307127.6264	307063.7334	307086.0372	178.9729187	73.05450659	-57.00453077	6.81804E-09	7.15755E-09	7.93301E-09
0.88 secs	4.029984495	-115.9713846	124.0374294	307116.7063	307063.0888	307081.4791	178.9010498	73.11786972	-56.98302994	6.81678E-09	7.16406E-09	7.91799E-09
0.9 secs	4.030063804	-115.9711075	124.0363684	307107.5164	307062.2766	307077.9016	178.9017366	73.04123418	-57.06884817	6.82104E-09	7.15212E-09	7.91538E-09
0.92 secs	4.030137685	-115.9708508	124.0354442	307099.9378	307061.4791	307074.8346	179.0443625	73.11786972	-57.02780145	6.81647E-09	7.16406E-09	7.92753E-09
0.94 secs	4.03017981	-115.9706435	124.0346939	307093.4337	307060.9588	307072.2145	178.9967993	73.06113524	-56.98863228	6.81799E-09	7.16027E-09	7.91919E-09
0.96 secs	4.030229059	-115.9704732	124.0340514	307087.9676	307060.4483	307070.0604	178.9967993	73.06113524	-57.05206428	6.81799E-09	7.16027E-09	7.91181E-09
0.98 secs	4.030262749	-115.9703207	124.0335081	307083.3906	307060.0388	307068.1902	178.9967993	73.11786972	-57.10339675	6.81799E-09	7.16406E-09	7.91229E-09
1 sec	4.030293489	-115.970198	124.0330531	307079.5014	307059.6978	307066.6363	179.0445617	73.11786972	-57.05766059	6.81789E-09	7.16406E-09	7.913E-09

Time	V_54_angleA	V_54_angleB	V_54_angleC	V_54_magA	V_54_magB	V_54_magC	I_54_angleA	I_54_angleB	I_54_angleC	I_54_magA	I_54_magB	I_54_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	20.03997967	-99.96577064	140.0306043	343096.7684	343141.7133	343089.4204	-152.9302697	87.07026026	-32.93178708	636.1163492	636.1392056	636.1328731
0.04 secs	20.03298197	-99.96689564	140.0330301	343077.9316	343078.0226	343078.6122	-152.935137	87.06566461	-32.93430457	636.1226981	636.1171705	636.1276417
0.06 secs	20.03299008	-99.96699581	140.0329972	343078.4212	343078.4217	343078.495	-152.9350447	87.06509051	-32.93488734	636.1277732	636.1266288	636.1285005
0.08 secs	20.03299032	-99.96699994	140.0329926	343078.4404	343078.4591	343078.5006	-152.9349826	87.06499974	-32.93499514	636.1290215	636.129075	636.1288784
0.1 secs	20.03299089	-99.96700089	140.0329911	343078.4491	343078.4769	343078.506	-152.9349857	87.06496579	-32.93499068	636.1292717	636.1290307	636.1286845
0.12 secs	20.03299106	-99.9670018	140.0329908	343078.4551	343078.4826	343078.5062	-152.9349958	87.0649464	-32.93498131	636.1292797	636.1287294	636.1284488
0.14 secs	20.03299088	-99.967003	140.0329906	343078.4603	343078.4839	343078.5042	-152.9349994	87.06493908	-32.93498044	636.1292459	636.1286146	636.1283383
0.16 secs	20.03299058	-99.9670042	140.0329905	343078.4648	343078.4845	343078.5021	-152.9349976	87.06494218	-32.93498192	636.1291915	636.1286104	636.1283217
0.18 secs	20.03299032	-99.96700524	140.0329903	343078.4688	343078.4853	343078.5005	-152.9349994	87.06495072	-32.93498222	636.1291235	636.128624	636.1283422
0.2 secs	20.03299012	-99.9670061	140.0329901	343078.4721	343078.4862	343078.4992	-152.9349904	87.06496078	-32.93498126	636.1290516	636.1286272	636.1283702
0.22 secs	20.03298996	-99.96700682	140.0329899	343078.475	343078.4872	343078.4982	-152.9349874	87.06497043	-32.9349798	636.1289837	636.1286222	636.1283968
0.24 secs	20.03298983	-99.96700743	140.0329898	343078.4774	343078.4879	343078.4973	-152.9349847	87.06497906	-32.93497833	636.1289231	636.1286151	636.1284205
0.26 secs	20.03298971	-99.96700796	140.0329897	343078.4795	343078.4886	343078.4965	-152.9349824	87.0649866	-32.93497701	636.1288704	636.1286084	636.1284416
0.28 secs	20.03298961	-99.9670084	140.0329896	343078.4813	343078.4891	343078.4959	-152.9349805	87.06499311	-32.93497587	636.1288252	636.1286028	636.1284601
0.3 secs	20.03298953	-99.96700879	140.0329895	343078.4828	343078.4896	343078.4953	-152.9349788	87.06499871	-32.93497489	636.1287865	636.1285981	636.1284761
0.32 secs	20.03298946	-99.96700911	140.0329894	343078.4841	343078.49	343078.4949	-152.9349774	87.0650035	-32.93497404	636.1287535	636.128594	636.1284899
0.34 secs	20.03298939	-99.96700939	140.0329894	343078.4852	343078.4903	343078.4945	-152.9349762	87.0650076	-32.93497331	636.1287253	636.1285905	636.1285017
0.36 secs	20.03298934	-99.96700962	140.0329893	343078.4861	343078.4906	343078.4941	-152.9349751	87.06501109	-32.93497269	636.1287013	636.1285875	636.1285119
0.38 secs	20.0329893	-99.96700982	140.0329893	343078.4869	343078.4908	343078.4938	-152.9349743	87.06501406	-32.93497215	636.1286808	636.128585	636.1285205
0.4 secs	20.03298926	-99.96700999	140.0329892	343078.4876	343078.4911	343078.4936	-152.9349735	87.0650166	-32.9349717	636.1286634	636.1285828	636.1285278
0.42 secs	20.03298923	-99.96701014	140.0329892	343078.4882	343078.4912	343078.4934	-152.9349729	87.06501876	-32.93497131	636.1286486	636.128581	636.1285341
0.44 secs	20.0329892	-99.96701026	140.0329892	343078.4887	343078.4914	343078.4932	-152.9349723	87.0650206	-32.93497098	636.1286359	636.1285794	636.1285395
0.46 secs	20.03298918	-99.96701037	140.0329892	343078.4891	343078.4915	343078.4931	-152.9349719	87.06502216	-32.9349707	636.1286252	636.128578	636.128544
0.48 secs	20.03298916	-99.96701046	140.0329891	343078.4894	343078.4916	343078.4929	-152.9349715	87.06502349	-32.93497046	636.1286161	636.1285769	636.1285479
0.5 secs	20.03298914	-99.96701053	140.0329891	343078.4897	343078.4917	343078.4928	-152.9349711	87.06502463	-32.93497026	636.1286083	636.1285759	636.1285512
0.52 secs	68.91583271	-61.0594741	171.9894698	21842.3006	26623.5003	20945.05063	161.0255251	39.35310293	-76.98669217	1931.10575	1827.636757	1833.891904
0.54 secs	60.38293339	-59.42444475	-179.4448933	17175.93479	17149.59337	17212.7241	159.8761397	38.25317621	-78.33298681	1803.083648	1713.791208	1716.896758
0.56 secs	60.33248529	-59.66295113	-179.66032	17211.31067	17209.60683	17211.64614	159.123121	38.30907459	-80.0305943	1757.131113	1714.002982	1714.578669
0.58 secs	60.32188007	-59.68545301	-179.6807144	17218.84664	17218.475	17216.75247	158.7411528	38.33365981	-80.83925222	1734.737835	1713.256931	1713.469367
0.6 secs	60.31769975	-59.68648516	-179.6852044	17221.32195	17221.60397	17220.3738	158.5485823	38.33784706	-81.23412902	1723.900748	1712.774377	1712.888463
0.62 secs	60.31481013	-59.68368807	-179.6835505	17221.86928	17221.56124	17222.10638	158.4537044	38.33873726	-81.42816782	1718.628893	1712.571164	1712.625961
0.64 secs	60.31297909	-59.6825555	-179.6821222	17222.03277	17221.10773	17222.73281	158.407375	38.3398829	-81.52375935	1716.037639	1712.497407	1712.521172
0.66 secs	60.31213708	-59.6825416	-179.6817387	17222.15289	17220.95098	17222.9373	158.3845545	38.34093153	-81.57110693	1714.746198	1712.463722	1712.476092
0.68 secs	60.31188564	-59.6826846	-179.6817534	17222.22653	17220.96126	17223.00749	158.3730611	38.34159144	-81.59493696	1714.089083	1712.441873	1712.451068
0.7 secs	60.31188997	-59.68272154	-179.6817889	17222.2487	17220.99011	17223.02226	158.3670805	38.34196413	-81.60733835	1713.742487	1712.426417	1712.434444
0.72 secs	-4.66350985	-127.3951658	138.9743527	235340.6625	174199.1111	199315.3026	-172.7752485	63.34636905	-67.76609397	1259.131697	1488.178363	1178.314342
0.74 secs	3.877211805	-116.2591674	123.8753475	306968.9975	306664.8781	305759.9777	-163.2499727	76.59808211	-43.80554264	1505.084398	1519.052595	1508.154407
0.76 secs	4.028791329	-115.9768232	124.044016	307224.4139	307095.5283	307135.1146	-163.1954474	76.77066035	-43.47675119	1506.565438	1514.720706	1510.623831
0.78 secs	4.028915376	-115.973755	124.0468083	307195.8172	307071.7152	307112.1789	-163.2126118	76.76546657	-43.44165832	1507.887619	1514.878251	1511.10774
0.8 secs	4.029643209	-115.9732687	124.0440751	307174.1973	307067.5616	307104.9517	-163.2242923	76.75624232	-43.41683778	1508.943638	1514.972588	1511.72181
0.82 secs	4.029706981	-115.9726424	124.0420043	307155.7729	307066.5249	307097.1166	-163.2312835	76.74940081	-43.40058141	1509.926085	1514.923926	1512.28871
0.84 secs	4.029760923	-115.9721574	124.0402699	307140.1876	307065.5428	307090.8346	-163.2417188	76.74396938	-43.38248563	1510.701862	1515.019088	1512.691107
0.86 secs	4.029961351	-115.9717468	124.0386543	307127.6264	307063.7334	307086.0372	-163.2481749	76.73873893	-43.36868545	1511.372002	1515.043172	1513.073657
0.88 secs	4.029984495	-115.9713846	124.0374294	307116.7063	307063.0888	307081.4791	-163.2538075	76.73485854	-43.35731318	1511.950346	1515.06265	1513.385241
0.9 secs	4.030063804	-115.9711075	124.0363684	307107.5164	307062.2766	307077.9016	-163.2590689	76.7313011	-43.34691086	1512.422349	1515.098709	1513.645672
0.92 secs	4.030137685	-115.9708508	124.0354442	307099.9378	307061.4791	307074.8346	-163.2629751	76.72831723	-43.33867448	1512.830253	1515.112106	1513.874483
0.94 secs	4.03017981	-115.9706435	124.0346939	307093.4337	307060.9588	307072.2145	-163.2666112	76.72595864	-43.33152856	1513.175249	1515.130961	1514.061033
0.96 secs	4.030229059	-115.9704732	124.0340514	307087.9676	307060.4483	307070.0604	-163.269619	76.72382668	-43.32539821	1513.464134	1515.146873	1514.222569
0.98 secs	4.030262749	-115.9703207	124.0335081	307083.3906	307060.0388	307068.1902	-163.2721014	76.72207243	-43.32030719	1513.711336	1515.157589	1514.360065
1 sec	4.030293489	-115.970198	124.0330531	307079.5014	307059.6978	307066.6363	-163.2742902	76.72061726	-43.31592472	1513.920508	1515.168774	1514.475276

Time	V_45_angleA	V_45_angleB	V_45_angleC	V_45_magA	V_45_magB	V_45_magC	I_45_angleA	I_45_angleB	I_45_angleC	I_45_magA	I_45_magB	I_45_magC
0 secs	0	0	0	0	0	0	0	0	0	0	0	0
0.02 secs	25.46403717	-94.54258144	145.4539944	339131.2996	339177.3179	339120.3809	42.32395601	-77.67637752	162.3187176	673.3208892	673.3897189	673.351913
0.04 secs	25.4568067	-94.54310897	145.4568024	339109.7996	339110.1182	339110.3906	42.31913117	-77.68057916	162.3186354	673.3266193	673.3353188	673.3339181
0.06 secs	25.45668514	-94.54327443	145.4567474	339110.0758	339109.7893	339110.1393	42.3189224	-77.68086258	162.3188523	673.3269957	673.3294118	673.3303931
0.08 secs	25.45669827	-94.54329082	145.4567141	339110.1672	339110.0972	339110.1876	42.31880016	-77.68110432	162.3188823	673.3276769	673.3272166	673.3284199
0.1 secs	25.45670542	-94.54328978	145.4567047	339110.1989	339110.2211	339110.2341	42.31876525	-77.68122911	162.3188412	673.3281838	673.3271978	673.3277492
0.12 secs	25.45670765	-94.54328752	145.4567045	339110.2044	339110.243	339110.2479	42.31876403	-77.68127187	162.3188137	673.3284218	673.3275103	673.3276016
0.14 secs	25.45670744	-94.54328744	145.4567057	339110.2053	339110.2352	339110.246	42.31876948	-77.68127682	162.3188054	673.3284612	673.3276662	673.3275935
0.16 secs	25.45670686	-94.54328844	145.4567062	339110.2076	339110.2292	339110.242	42.3187748	-77.68126971	162.3188052	673.3284155	673.3277073	673.3276095
0.18 secs	25.45670647	-94.54328952	145.4567061	339110.2109	339110.2279	339110.2394	42.3187796	-77.68126015	162.3188065	673.3283494	673.3277202	673.3276312
0.2 secs	25.45670623	-94.54329039	145.4567059	339110.2139	339110.2285	339110.2381	42.31878412	-77.68125071	162.3188076	673.3282854	673.3277358	673.327657
0.22 secs	25.45670605	-94.54329108	145.4567057	339110.2166	339110.2292	339110.2371	42.31878831	-77.68124194	162.3188085	673.3282281	673.327755	673.3276847
0.24 secs	25.4567059	-94.54329165	145.4567056	339110.2187	339110.2297	339110.2363	42.31879204	-77.68123402	162.3188092	673.3281777	673.3277739	673.3277115
0.26 secs	25.45670576	-94.54329214	145.4567055	339110.2206	339110.2301	339110.2356	42.3187953	-77.68122703	162.3188099	673.3281339	673.3277903	673.3277357
0.28 secs	25.45670564	-94.54329255	145.4567055	339110.2221	339110.2303	339110.2349	42.3187981	-77.68122097	162.3188105	673.328096	673.3278042	673.327757
0.3 secs	25.45670554	-94.54329291	145.4567054	339110.2234	339110.2305	339110.2344	42.31880049	-77.68121575	162.318811	673.3280635	673.327816	673.3277754
0.32 secs	25.45670546	-94.54329321	145.4567053	339110.2246	339110.2307	339110.2339	42.31880253	-77.68121129	162.3188115	673.3280357	673.3278261	673.3277912
0.34 secs	25.45670539	-94.54329347	145.4567053	339110.2255	339110.2309	339110.2335	42.31880427	-77.68120748	162.3188119	673.3280121	673.3278346	673.3278048
0.36 secs	25.45670533	-94.54329369	145.4567053	339110.2263	339110.231	339110.2332	42.31880575	-77.68120422	162.3188123	673.3279919	673.3278419	673.3278164
0.38 secs	25.45670527	-94.54329388	145.4567052	339110.227	339110.2311	339110.2329	42.31880702	-77.68120145	162.3188125	673.3279747	673.3278482	673.3278262
0.4 secs	25.45670523	-94.54329404	145.4567052	339110.2276	339110.2312	339110.2327	42.31880809	-77.68119909	162.3188128	673.3279601	673.3278535	673.3278347
0.42 secs	25.45670519	-94.54329418	145.4567052	339110.2282	339110.2313	339110.2325	42.31880901	-77.68119708	162.318813	673.3279477	673.327858	673.3278418
0.44 secs	25.45670516	-94.54329429	145.4567051	339110.2286	339110.2314	339110.2323	42.31880978	-77.68119537	162.3188132	673.3279371	673.3278619	673.327848
0.46 secs	25.45670513	-94.54329439	145.4567051	339110.229	339110.2315	339110.2321	42.31881045	-77.68119391	162.3188133	673.3279281	673.3278651	673.3278532
0.48 secs	25.45670511	-94.54329448	145.4567051	339110.2293	339110.2315	339110.232	42.31881101	-77.68119267	162.3188135	673.3279204	673.3278679	673.3278576
0.5 secs	25.45670509	-94.54329455	145.4567051	339110.2295	339110.2315	339110.2319	42.31881149	-77.68119162	162.3188136	673.3279139	673.3278703	673.3278614
0.52 secs	65.50611413	-59.2182178	179.2751362	114394.81	122793.9156	110278.6795	-19.07710041	-141.3502773	103.3588291	1899.195912	1772.830682	1776.0238
0.54 secs	62.8254186	-57.11183254	-177.1380604	102049.0415	102038.4444	102140.5112	-19.94799796	-141.5231856	101.8322611	1771.585851	1684.906777	1688.632211
0.56 secs	62.76661936	-57.23114673	-177.2316647	102167.1812	102165.9481	102170.0141	-20.75822554	-141.5693479	100.1248711	1725.95957	1682.413797	1683.67648
0.58 secs	62.75295934	-57.25700919	-177.2521081	102212.1757	102212.3474	102196.8602	-21.14871891	-141.5661306	99.28992476	1703.802673	1681.901772	1682.267883
0.6 secs	62.74823384	-57.2590606	-177.2577595	102227.6815	102232.5148	102218.8264	-21.34000227	-141.5572798	98.88324063	1692.982164	1681.745439	1681.84743
0.62 secs	62.74514549	-57.25624579	-177.2564644	102231.0598	102232.9437	102229.8517	-21.43429131	-141.5516805	98.68550692	1687.679429	1681.633652	1681.674668
0.64 secs	62.74317754	-57.2549705	-177.2550838	102231.9901	102230.316	102234.0146	-21.48114757	-141.5494345	98.58873018	1685.07235	1681.548353	1681.575381
0.66 secs	62.74222237	-57.25491273	-177.2546958	102232.7003	102229.3022	102235.428	-21.50452381	-141.5486244	98.54073494	1683.778303	1681.49783	1681.517488
0.68 secs	62.74188878	-57.25506715	-177.2547168	102233.1834	102229.3257	102235.9582	-21.516286	-141.5481944	98.51646563	1683.121887	1681.471632	1681.485937
0.7 secs	62.74183297	-57.25511977	-177.2547584	102233.3736	102229.4901	102236.1404	-21.522359	-141.5478642	98.50380494	1682.775598	1681.456995	1681.468166
0.72 secs	14.89514949	-101.279779	151.1858335	242051.316	180110.1028	229443.2999	12.86607156	-112.6911052	116.2148156	1269.961397	1521.600971	1154.869127
0.74 secs	18.31354258	-101.8383201	138.3216785	302361.6688	301963.7426	301578.8688	22.6686837	-97.57034818	142.0464251	1529.223711	1544.13916	1530.819992
0.76 secs	18.40335366	-101.5969494	138.4033574	302819.0592	302618.8954	302735.0277	22.69626163	-97.37115954	142.4041402	1530.134812	1538.315156	1533.332986
0.78 secs	18.39329752	-101.5977907	138.4223178	302741.8451	302688.8643	302696.5351	22.669794	-97.37724281	142.4312074	1531.41491	1538.317652	1534.005073
0.8 secs	18.40455913	-101.5999863	138.414291	302737.8326	302639.6943	302722.7418	22.65443058	-97.38800551	142.4534662	1532.449858	1538.364546	1534.733189
0.82 secs	18.40042894	-101.5951885	138.4138366	302732.978	302658.1267	302685.1526	22.64265595	-97.39446804	142.4693467	1533.403405	1538.3554	1535.308004
0.84 secs	18.40198971	-101.5969914	138.4139644	302709.2764	302659.0748	302687.8193	22.63026664	-97.39978069	142.4849271	1534.167639	1538.419817	1535.754234
0.86 secs	18.40428286	-101.5964459	138.4110047	302705.2587	302647.3801	302686.9337	22.6218449	-97.40529689	142.4969141	1534.811924	1538.422821	1536.181985
0.88 secs	18.40291802	-101.5953147	138.4111689	302695.99	302655.7286	302674.011	22.61388998	-97.40918775	142.5070701	1535.367461	1538.438067	1536.519964
0.9 secs	18.40403955	-101.5955967	138.4102874	302687.5653	302652.7582	302673.7672	22.60690411	-97.41264485	142.516106	1535.827712	1538.461898	1536.804657
0.92 secs	18.40451765	-101.5951928	138.4093727	302682.9486	302651.1605	302670.1749	22.60150255	-97.41567424	142.5233738	1536.221209	1538.468413	1537.055236
0.94 secs	18.40446969	-101.5949349	138.4091338	302677.185	302652.8076	302666.0313	22.59666091	-97.4181095	142.5296848	1536.553648	1538.480542	1537.261491
0.96 secs	18.40494155	-101.5948224	138.4085241	302673.2581	302651.384	302664.4268	22.59259977	-97.42021396	142.5350473	1536.834162	1538.490378	1537.437832
0.98 secs	18.40507228	-101.5946223	138.4081716	302669.7831	302651.4887	302661.9413	22.58922561	-97.42197421	142.5395144	1537.0734	1538.496339	1537.588375
1 sec	18.40520802	-101.5945183	138.4079135	302666.5421	302651.6175	302660.1224	22.58629097	-97.42345852	142.54338	1537.275228	1538.503583	1537.715185