

Near wall shear stress direction $t/c=1.65\%$ (in the bed coordinates)

X (cm)	Z (cm)	x component	z component	Angles related to the x axis cw	Angles related to the x axis ccw
15.452	-9.261	0.578	-0.816	305.320	54.680
15.452	-10.061	0.584	-0.812	305.744	54.256
15.452	-10.861	0.551	-0.835	303.406	56.594
15.452	-11.661	0.468	-0.884	297.903	62.097
15.452	-12.461	0.397	-0.918	293.416	66.584
15.452	-13.261	0.389	-0.921	292.895	67.105
15.452	-14.061	0.263	-0.965	285.246	74.754
15.452	-14.861	0.268	-0.963	285.554	74.446
15.452	-15.661	0.264	-0.965	285.305	74.695
15.452	-16.461	0.204	-0.979	281.796	78.204
15.452	-17.261	0.242	-0.970	283.988	76.012
15.452	-18.061	0.182	-0.983	280.473	79.527
15.452	-18.861	0.134	-0.991	277.723	82.277
15.452	-19.661	0.144	-0.990	278.272	81.728
15.452	-20.461	-0.107	-0.994	263.859	96.141
15.452	-21.261	-0.113	-0.994	263.497	96.503
15.452	-22.061	-0.103	-0.995	264.085	95.915
15.452	-22.861	-0.091	-0.996	264.770	95.230
15.452	-23.661	0.000	-1.000	270.000	90.000
15.452	-24.461	0.378	-0.926	292.198	67.802
15.452	-25.261	0.423	-0.906	294.997	65.003
15.452	-26.061	0.482	-0.876	298.838	61.162
15.452	-26.861	0.489	-0.872	299.251	60.749
15.452	-27.661	0.549	-0.836	303.271	56.729
15.452	-28.461	0.581	-0.814	305.521	54.479
15.452	-29.261	0.617	-0.787	308.079	51.921
15.452	-30.061	0.637	-0.771	309.585	50.415
15.452	-30.861	0.597	-0.803	306.629	53.371
15.452	-31.661	0.559	-0.829	303.992	56.008
15.452	-32.461	0.543	-0.840	302.880	57.120
15.452	-33.261	0.493	-0.870	299.520	60.480

15.452	-34.061	0.466	-0.885	297.767	62.233
15.452	-34.861	0.382	-0.924	292.452	67.548
15.452	-35.661	0.293	-0.956	287.048	72.952
15.452	-36.461	0.194	-0.981	281.205	78.795
15.452	-37.261	0.177	-0.984	280.201	79.799
15.452	-38.061	0.139	-0.990	277.993	82.007
14.652	-9.261	0.578	-0.816	305.292	54.708
14.652	-10.061	0.547	-0.837	303.163	56.837
14.652	-10.861	0.380	-0.925	292.361	67.639
14.652	-11.661	0.303	-0.953	287.638	72.362
14.652	-12.461	0.248	-0.969	284.357	75.643
14.652	-13.261	0.209	-0.978	282.043	77.957
14.652	-14.061	0.121	-0.993	276.974	83.026
14.652	-14.861	0.053	-0.999	273.053	86.947
14.652	-15.661	0.189	-0.982	280.874	79.126
14.652	-16.461	0.103	-0.995	275.900	84.100
14.652	-17.261	0.000	-1.000	270.000	90.000
14.652	-18.061	-0.084	-0.996	265.155	94.845
14.652	-18.861	-0.117	-0.993	263.304	96.696
14.652	-19.661	-0.151	-0.989	261.307	98.693
14.652	-20.461	-0.245	-0.970	255.830	104.170
14.652	-21.261	-0.143	-0.990	261.759	98.241
14.652	-22.061	0.000	-1.000	270.000	90.000
14.652	-22.861	0.160	-0.987	279.197	80.803
14.652	-23.661	0.474	-0.880	298.320	61.680
14.652	-24.461	0.486	-0.874	299.049	60.951
14.652	-25.261	0.533	-0.846	302.236	57.764
14.652	-26.061	0.505	-0.863	300.335	59.665
14.652	-26.861	0.566	-0.825	304.445	55.555
14.652	-27.661	0.632	-0.775	309.209	50.791
14.652	-28.461	0.585	-0.811	305.778	54.222
14.652	-29.261	0.608	-0.794	307.470	52.530
14.652	-30.061	0.657	-0.754	311.085	48.915
14.652	-30.861	0.567	-0.824	304.513	55.487
14.652	-31.661	0.535	-0.845	302.319	57.681
14.652	-32.461	0.433	-0.902	295.637	64.363

14.652	-33.261	0.379	-0.925	292.291	67.709
14.652	-34.061	0.157	-0.988	279.022	80.978
14.652	-34.861	0.114	-0.994	276.535	83.465
14.652	-35.661	0.082	-0.997	274.728	85.272
14.652	-36.461	-0.051	-0.999	267.049	92.951
14.652	-37.261	-0.099	-0.995	264.295	95.705
14.652	-38.061	-0.086	-0.996	265.083	94.917
13.852	-9.261	0.443	-0.897	296.293	63.707
13.852	-10.061	0.291	-0.957	286.942	73.058
13.852	-10.861	0.223	-0.975	282.887	77.113
13.852	-11.661	0.045	-0.999	272.570	87.430
13.852	-12.461	-0.122	-0.993	263.011	96.989
13.852	-13.261	-0.090	-0.996	264.839	95.161
13.852	-14.061	-0.087	-0.996	264.996	95.004
13.852	-14.861	-0.131	-0.991	262.487	97.513
13.852	-15.661	-0.172	-0.985	260.120	99.880
13.852	-16.461	-0.181	-0.983	259.577	100.423
13.852	-17.261	-0.226	-0.974	256.965	103.035
13.852	-18.061	-0.272	-0.962	254.189	105.811
13.852	-18.861	-0.316	-0.949	251.567	108.433
13.852	-19.661	-0.183	-0.983	259.468	100.532
13.852	-20.461	-0.182	-0.983	259.501	100.499
13.852	-21.261	0.074	-0.997	274.263	85.737
13.852	-22.061	0.415	-0.910	294.539	65.461
13.852	-22.861	0.454	-0.891	296.974	63.026
13.852	-23.661	0.493	-0.870	299.531	60.469
13.852	-24.461	0.538	-0.843	302.578	57.422
13.852	-25.261	0.582	-0.813	305.578	54.422
13.852	-26.061	0.579	-0.815	305.415	54.585
13.852	-26.861	0.589	-0.808	306.060	53.940
13.852	-27.661	0.611	-0.791	307.677	52.323
13.852	-28.461	0.694	-0.720	313.970	46.030
13.852	-29.261	0.594	-0.804	306.469	53.531
13.852	-30.061	0.581	-0.814	305.545	54.455
13.852	-30.861	0.525	-0.851	301.669	58.331
13.852	-31.661	0.489	-0.873	299.249	60.751

13.852	-32.461	0.083	-0.997	274.766	85.234
13.852	-33.261	-0.103	-0.995	264.062	95.938
13.852	-34.061	-0.163	-0.987	260.616	99.384
13.852	-34.861	-0.184	-0.983	259.404	100.596
13.852	-35.661	-0.163	-0.987	260.645	99.355
13.852	-36.461	-0.174	-0.985	259.993	100.007
13.852	-37.261	-0.130	-0.991	262.508	97.492
13.852	-38.061	-0.146	-0.989	261.606	98.394
13.052	-9.261	-0.223	-0.975	257.091	102.909
13.052	-10.061	-0.257	-0.966	255.123	104.877
13.052	-10.861	-0.254	-0.967	255.302	104.698
13.052	-11.661	-0.219	-0.976	257.351	102.649
13.052	-12.461	-0.217	-0.976	257.468	102.532
13.052	-13.261	-0.197	-0.980	258.640	101.360
13.052	-14.061	-0.234	-0.972	256.449	103.551
13.052	-14.861	-0.259	-0.966	254.979	105.021
13.052	-15.661	-0.273	-0.962	254.158	105.842
13.052	-16.461	-0.308	-0.951	252.074	107.926
13.052	-17.261	-0.269	-0.963	254.380	105.620
13.052	-18.061	-0.269	-0.963	254.410	105.590
13.052	-18.861	-0.125	-0.992	262.830	97.170
13.052	-19.661	0.091	-0.996	275.234	84.766
13.052	-20.461	0.393	-0.919	293.170	66.830
13.052	-21.261	0.481	-0.877	298.730	61.270
13.052	-22.061	0.457	-0.889	297.201	62.799
13.052	-22.861	0.549	-0.836	303.328	56.672
13.052	-23.661	0.565	-0.825	304.377	55.623
13.052	-24.461	0.593	-0.805	306.345	53.655
13.052	-25.261	0.629	-0.777	308.983	51.017
13.052	-26.061	0.614	-0.789	307.892	52.108
13.052	-26.861	0.603	-0.798	307.101	52.899
13.052	-27.661	0.581	-0.814	305.526	54.474
13.052	-28.461	0.619	-0.786	308.223	51.777
13.052	-29.261	0.557	-0.830	303.883	56.117
13.052	-30.061	0.454	-0.891	297.002	62.998
13.052	-30.861	0.263	-0.965	285.242	74.758

13.052	-31.661	-0.168	-0.986	260.317	99.683
13.052	-32.461	-0.429	-0.903	244.603	115.397
13.052	-33.261	-0.390	-0.921	247.045	112.955
13.052	-34.061	-0.272	-0.962	254.243	105.757
13.052	-34.861	-0.305	-0.952	252.214	107.786
13.052	-35.661	-0.258	-0.966	255.063	104.937
13.052	-36.461	-0.239	-0.971	256.172	103.828
13.052	-37.261	-0.146	-0.989	261.624	98.376
13.052	-38.061	-0.149	-0.989	261.418	98.582
12.252	-9.261	-0.338	-0.941	250.226	109.774
12.252	-10.061	-0.309	-0.951	251.993	108.007
12.252	-10.861	-0.210	-0.978	257.905	102.095
12.252	-11.661	-0.220	-0.976	257.292	102.708
12.252	-12.461	-0.193	-0.981	258.867	101.133
12.252	-13.261	-0.141	-0.990	261.890	98.110
12.252	-14.061	-0.121	-0.993	263.071	96.929
12.252	-14.861	-0.224	-0.975	257.048	102.952
12.252	-15.661	-0.276	-0.961	253.969	106.031
12.252	-16.461	-0.298	-0.955	252.692	107.308
12.252	-17.261	-0.216	-0.976	257.543	102.457
12.252	-18.061	0.000	-1.000	270.000	90.000
12.252	-18.861	0.445	-0.896	296.410	63.590
12.252	-19.661	0.499	-0.867	299.938	60.062
12.252	-20.461	0.510	-0.860	300.685	59.315
12.252	-21.261	0.544	-0.839	302.967	57.033
12.252	-22.061	0.518	-0.855	301.190	58.810
12.252	-22.861	0.599	-0.801	306.810	53.190
12.252	-23.661	0.587	-0.810	305.941	54.059
12.252	-24.461	0.602	-0.799	306.995	53.005
12.252	-25.261	0.553	-0.833	303.576	56.424
12.252	-26.061	0.571	-0.821	304.790	55.210
12.252	-26.861	0.574	-0.819	305.025	54.975
12.252	-27.661	0.530	-0.848	302.031	57.969
12.252	-28.461	0.551	-0.835	303.436	56.564
12.252	-29.261	0.177	-0.984	280.206	79.794
12.252	-30.061	-0.039	-0.999	267.763	92.237

12.252	-30.861	-0.271	-0.962	254.249	105.751
12.252	-31.661	-0.515	-0.857	239.002	120.998
12.252	-32.461	-0.435	-0.901	244.245	115.755
12.252	-33.261	-0.360	-0.933	248.878	111.122
12.252	-34.061	-0.256	-0.967	255.172	104.828
12.252	-34.861	-0.241	-0.971	256.075	103.925
12.252	-35.661	-0.291	-0.957	253.063	106.937
12.252	-36.461	-0.264	-0.965	254.701	105.299
12.252	-37.261	-0.288	-0.958	253.252	106.748
12.252	-38.061	-0.264	-0.964	254.675	105.325
11.452	-9.261	-0.315	-0.949	251.652	108.348
11.452	-10.061	-0.348	-0.938	249.652	110.348
11.452	-10.861	-0.362	-0.932	248.805	111.195
11.452	-11.661	-0.357	-0.934	249.103	110.897
11.452	-12.461	-0.332	-0.943	250.581	109.419
11.452	-13.261	-0.365	-0.931	248.602	111.398
11.452	-14.061	-0.455	-0.891	242.964	117.036
11.452	-14.861	-0.329	-0.944	250.807	109.193
11.452	-15.661	-0.249	-0.968	255.572	104.428
11.452	-16.461	-0.186	-0.982	259.263	100.737
11.452	-17.261	-0.108	-0.994	263.828	96.172
11.452	-18.061	0.423	-0.906	295.004	64.996
11.452	-18.861	0.488	-0.873	299.186	60.814
11.452	-19.661	0.553	-0.833	303.592	56.408
11.452	-20.461	0.567	-0.824	304.541	55.459
11.452	-21.261	0.584	-0.812	305.714	54.286
11.452	-22.061	0.534	-0.846	302.263	57.737
11.452	-22.861	0.577	-0.817	305.222	54.778
11.452	-23.661	0.601	-0.799	306.943	53.057
11.452	-24.461	0.592	-0.806	306.291	53.709
11.452	-25.261	0.622	-0.783	308.450	51.550
11.452	-26.061	0.586	-0.810	305.882	54.118
11.452	-26.861	0.545	-0.838	303.032	56.968
11.452	-27.661	0.229	-0.973	283.220	76.780
11.452	-28.461	-0.011	-1.000	269.389	90.611
11.452	-29.261	-0.223	-0.975	257.134	102.866

11.452	-30.061	-0.401	-0.916	246.360	113.640
11.452	-30.861	-0.461	-0.887	242.558	117.442
11.452	-31.661	-0.506	-0.863	239.616	120.384
11.452	-32.461	-0.403	-0.915	246.239	113.761
11.452	-33.261	-0.340	-0.940	250.112	109.888
11.452	-34.061	-0.298	-0.955	252.659	107.341
11.452	-34.861	-0.349	-0.937	249.594	110.406
11.452	-35.661	-0.340	-0.940	250.130	109.870
11.452	-36.461	-0.328	-0.945	250.882	109.118
11.452	-37.261	-0.368	-0.930	248.391	111.609
11.452	-38.061	-0.387	-0.922	247.231	112.769
10.652	-9.261	-0.302	-0.953	252.432	107.568
10.652	-10.061	-0.366	-0.931	248.517	111.483
10.652	-10.861	-0.365	-0.931	248.574	111.426
10.652	-11.661	-0.364	-0.931	248.633	111.367
10.652	-12.461	-0.444	-0.896	243.611	116.389
10.652	-13.261	-0.426	-0.905	244.803	115.197
10.652	-14.061	-0.309	-0.951	252.026	107.974
10.652	-14.861	-0.144	-0.990	261.747	98.253
10.652	-15.661	0.048	-0.999	272.750	87.250
10.652	-16.461	0.408	-0.913	294.049	65.951
10.652	-17.261	0.495	-0.869	299.665	60.335
10.652	-18.061	0.529	-0.848	301.953	58.047
10.652	-18.861	0.546	-0.838	303.083	56.917
10.652	-19.661	0.516	-0.856	301.078	58.922
10.652	-20.461	0.582	-0.813	305.578	54.422
10.652	-21.261	0.611	-0.792	307.635	52.365
10.652	-22.061	0.572	-0.820	304.885	55.115
10.652	-22.861	0.541	-0.841	302.736	57.264
10.652	-23.661	0.581	-0.814	305.494	54.506
10.652	-24.461	0.571	-0.821	304.824	55.176
10.652	-25.261	0.588	-0.809	306.042	53.958
10.652	-26.061	0.570	-0.821	304.778	55.222
10.652	-26.861	0.191	-0.982	281.026	78.974
10.652	-27.661	0.083	-0.997	274.760	85.240
10.652	-28.461	-0.190	-0.982	259.035	100.965

10.652	-29.261	-0.429	-0.903	244.601	115.399
10.652	-30.061	-0.419	-0.908	245.207	114.793
10.652	-30.861	-0.483	-0.876	241.128	118.872
10.652	-31.661	-0.348	-0.937	249.630	110.370
10.652	-32.461	-0.372	-0.928	248.149	111.851
10.652	-33.261	-0.356	-0.935	249.150	110.850
10.652	-34.061	-0.331	-0.944	250.650	109.350
10.652	-34.861	-0.347	-0.938	249.692	110.308
10.652	-35.661	-0.312	-0.950	251.832	108.168
10.652	-36.461	-0.332	-0.943	250.585	109.415
10.652	-37.261	-0.318	-0.948	251.448	108.552
10.652	-38.061	-0.332	-0.943	250.585	109.415
9.852	-9.261	-0.399	-0.917	246.496	113.504
9.852	-10.061	-0.425	-0.905	244.839	115.161
9.852	-10.861	-0.417	-0.909	245.377	114.623
9.852	-11.661	-0.428	-0.904	244.663	115.337
9.852	-12.461	-0.429	-0.903	244.585	115.415
9.852	-13.261	-0.262	-0.965	254.827	105.173
9.852	-14.061	0.000	-1.000	270.000	90.000
9.852	-14.861	0.381	-0.925	292.399	67.601
9.852	-15.661	0.467	-0.884	297.829	62.171
9.852	-16.461	0.550	-0.835	303.378	56.622
9.852	-17.261	0.532	-0.847	302.159	57.841
9.852	-18.061	0.507	-0.862	300.459	59.541
9.852	-18.861	0.538	-0.843	302.547	57.453
9.852	-19.661	0.538	-0.843	302.517	57.483
9.852	-20.461	0.498	-0.867	299.836	60.164
9.852	-21.261	0.436	-0.900	295.845	64.155
9.852	-22.061	0.442	-0.897	296.223	63.777
9.852	-22.861	0.561	-0.827	304.158	55.842
9.852	-23.661	0.590	-0.807	306.187	53.813
9.852	-24.461	0.520	-0.854	301.327	58.673
9.852	-25.261	0.492	-0.871	299.451	60.549
9.852	-26.061	0.317	-0.948	288.492	71.508
9.852	-26.861	-0.144	-0.990	261.699	98.301
9.852	-27.661	-0.489	-0.872	240.732	119.268

9.852	-28.461	-0.511	-0.860	239.263	120.737
9.852	-29.261	-0.477	-0.879	241.524	118.476
9.852	-30.061	-0.426	-0.905	244.763	115.237
9.852	-30.861	-0.280	-0.960	253.714	106.286
9.852	-31.661	-0.312	-0.950	251.820	108.180
9.852	-32.461	-0.362	-0.932	248.778	111.222
9.852	-33.261	-0.336	-0.942	250.381	109.619
9.852	-34.061	-0.430	-0.903	244.515	115.485
9.852	-34.861	-0.383	-0.924	247.506	112.494
9.852	-35.661	-0.384	-0.923	247.433	112.567
9.852	-36.461	-0.371	-0.929	248.241	111.759
9.852	-37.261	-0.298	-0.954	252.641	107.359
9.852	-38.061	-0.115	-0.993	263.383	96.617
9.052	-9.261	-0.361	-0.933	248.866	111.134
9.052	-10.061	-0.444	-0.896	243.611	116.389
9.052	-10.861	-0.426	-0.905	244.784	115.216
9.052	-11.661	-0.342	-0.940	250.023	109.977
9.052	-12.461	0.038	-0.999	272.166	87.834
9.052	-13.261	0.386	-0.922	292.727	67.273
9.052	-14.061	0.436	-0.900	295.830	64.170
9.052	-14.861	0.514	-0.858	300.948	59.052
9.052	-15.661	0.509	-0.860	300.629	59.371
9.052	-16.461	0.578	-0.816	305.309	54.691
9.052	-17.261	0.527	-0.850	301.779	58.221
9.052	-18.061	0.551	-0.834	303.452	56.548
9.052	-18.861	0.505	-0.863	300.313	59.687
9.052	-19.661	0.449	-0.893	296.710	63.290
9.052	-20.461	0.428	-0.904	295.353	64.647
9.052	-21.261	0.525	-0.851	301.639	58.361
9.052	-22.061	0.480	-0.877	298.671	61.329
9.052	-22.861	0.524	-0.852	301.570	58.430
9.052	-23.661	0.487	-0.873	299.163	60.837
9.052	-24.461	0.435	-0.900	295.779	64.221
9.052	-25.261	0.050	-0.999	272.860	87.140
9.052	-26.061	-0.324	-0.946	251.107	108.893
9.052	-26.861	-0.565	-0.825	235.565	124.435

9.052	-27.661	-0.586	-0.810	234.125	125.875
9.052	-28.461	-0.487	-0.873	240.825	119.175
9.052	-29.261	-0.323	-0.947	251.176	108.824
9.052	-30.061	-0.369	-0.929	248.325	111.675
9.052	-30.861	-0.357	-0.934	249.102	110.898
9.052	-31.661	-0.412	-0.911	245.695	114.305
9.052	-32.461	-0.386	-0.922	247.276	112.724
9.052	-33.261	-0.362	-0.932	248.796	111.204
9.052	-34.061	-0.359	-0.933	248.984	111.016
9.052	-34.861	-0.361	-0.933	248.857	111.143
9.052	-35.661	-0.281	-0.960	253.690	106.310
9.052	-36.461	0.042	-0.999	272.415	87.585
9.052	-37.261	0.373	-0.928	291.886	68.114
9.052	-38.061	0.368	-0.930	291.600	68.400
8.252	-9.261	-0.399	-0.917	246.505	113.495
8.252	-10.061	-0.349	-0.937	249.561	110.439
8.252	-10.861	-0.105	-0.995	263.996	96.004
8.252	-11.661	0.395	-0.919	293.289	66.711
8.252	-12.461	0.565	-0.825	304.381	55.619
8.252	-13.261	0.584	-0.812	305.734	54.266
8.252	-14.061	0.597	-0.802	306.631	53.369
8.252	-14.861	0.562	-0.827	304.210	55.790
8.252	-15.661	0.515	-0.857	301.003	58.997
8.252	-16.461	0.470	-0.883	298.005	61.995
8.252	-17.261	0.459	-0.888	297.318	62.682
8.252	-18.061	0.436	-0.900	295.835	64.165
8.252	-18.861	0.450	-0.893	296.752	63.248
8.252	-19.661	0.380	-0.925	292.308	67.692
8.252	-20.461	0.448	-0.894	296.616	63.384
8.252	-21.261	0.449	-0.894	296.652	63.348
8.252	-22.061	0.382	-0.924	292.477	67.523
8.252	-22.861	0.346	-0.938	290.219	69.781
8.252	-23.661	0.382	-0.924	292.436	67.564
8.252	-24.461	-0.105	-0.995	264.001	95.999
8.252	-25.261	-0.558	-0.830	236.086	123.914
8.252	-26.061	-0.592	-0.806	233.689	126.311

8.252	-26.861	-0.437	-0.899	244.085	115.915
8.252	-27.661	-0.368	-0.930	248.415	111.585
8.252	-28.461	-0.295	-0.955	252.815	107.185
8.252	-29.261	-0.296	-0.955	252.771	107.229
8.252	-30.061	-0.317	-0.949	251.539	108.461
8.252	-30.861	-0.394	-0.919	246.790	113.210
8.252	-31.661	-0.348	-0.938	249.644	110.356
8.252	-32.461	-0.404	-0.915	246.157	113.843
8.252	-33.261	-0.391	-0.920	246.964	113.036
8.252	-34.061	-0.270	-0.963	254.332	105.668
8.252	-34.861	0.008	-1.000	270.478	89.522
8.252	-35.661	0.412	-0.911	294.308	65.692
8.252	-36.461	0.322	-0.947	288.812	71.188
8.252	-37.261	0.389	-0.921	292.884	67.116
8.252	-38.061	0.512	-0.859	300.808	59.192
7.452	-9.261	-0.147	-0.989	261.571	98.429
7.452	-10.061	0.403	-0.915	293.763	66.237
7.452	-10.861	0.455	-0.890	297.081	62.919
7.452	-11.661	0.584	-0.811	305.762	54.238
7.452	-12.461	0.572	-0.820	304.871	55.129
7.452	-13.261	0.547	-0.837	303.159	56.841
7.452	-14.061	0.554	-0.832	303.661	56.339
7.452	-14.861	0.559	-0.829	303.975	56.025
7.452	-15.661	0.514	-0.858	300.924	59.076
7.452	-16.461	0.480	-0.877	298.679	61.321
7.452	-17.261	0.437	-0.900	295.897	64.103
7.452	-18.061	0.488	-0.873	299.233	60.767
7.452	-18.861	0.514	-0.858	300.943	59.057
7.452	-19.661	0.458	-0.889	297.279	62.721
7.452	-20.461	0.427	-0.904	295.305	64.695
7.452	-21.261	0.436	-0.900	295.823	64.177
7.452	-22.061	0.305	-0.952	287.772	72.228
7.452	-22.861	0.124	-0.992	277.125	82.875
7.452	-23.661	-0.246	-0.969	255.775	104.225
7.452	-24.461	-0.569	-0.823	235.351	124.649
7.452	-25.261	-0.626	-0.780	231.275	128.725

7.452	-26.061	-0.455	-0.890	242.915	117.085
7.452	-26.861	-0.423	-0.906	244.970	115.030
7.452	-27.661	-0.349	-0.937	249.564	110.436
7.452	-28.461	-0.295	-0.956	252.845	107.155
7.452	-29.261	-0.398	-0.917	246.542	113.458
7.452	-30.061	-0.492	-0.871	240.535	119.465
7.452	-30.861	-0.469	-0.883	242.031	117.969
7.452	-31.661	-0.441	-0.897	243.807	116.193
7.452	-32.461	-0.297	-0.955	252.715	107.285
7.452	-33.261	0.290	-0.957	286.845	73.155
7.452	-34.061	0.415	-0.910	294.542	65.458
7.452	-34.861	0.457	-0.890	297.186	62.814
7.452	-35.661	0.481	-0.877	298.742	61.258
7.452	-36.461	0.483	-0.876	298.853	61.147
7.452	-37.261	0.505	-0.863	300.347	59.653
7.452	-38.061	0.455	-0.891	297.036	62.964
6.652	-9.261	0.488	-0.873	299.239	60.761
6.652	-10.061	0.526	-0.850	301.737	58.263
6.652	-10.861	0.579	-0.815	305.377	54.623
6.652	-11.661	0.538	-0.843	302.559	57.441
6.652	-12.461	0.541	-0.841	302.720	57.280
6.652	-13.261	0.449	-0.894	296.650	63.350
6.652	-14.061	0.455	-0.891	297.040	62.960
6.652	-14.861	0.494	-0.870	299.580	60.420
6.652	-15.661	0.380	-0.925	292.361	67.639
6.652	-16.461	0.391	-0.920	293.038	66.962
6.652	-17.261	0.468	-0.884	297.898	62.102
6.652	-18.061	0.377	-0.926	292.137	67.863
6.652	-18.861	0.470	-0.882	298.055	61.945
6.652	-19.661	0.445	-0.895	296.442	63.558
6.652	-20.461	0.315	-0.949	288.373	71.627
6.652	-21.261	0.219	-0.976	282.630	77.370
6.652	-22.061	-0.109	-0.994	263.722	96.278
6.652	-22.861	-0.493	-0.870	240.467	119.533
6.652	-23.661	-0.617	-0.787	231.905	128.095
6.652	-24.461	-0.605	-0.796	232.760	127.240

6.652	-25.261	-0.261	-0.965	254.855	105.145
6.652	-26.061	-0.276	-0.961	253.953	106.047
6.652	-26.861	-0.366	-0.931	248.532	111.468
6.652	-27.661	-0.407	-0.913	245.961	114.039
6.652	-28.461	-0.398	-0.917	246.543	113.457
6.652	-29.261	-0.385	-0.923	247.327	112.673
6.652	-30.061	-0.388	-0.922	247.187	112.813
6.652	-30.861	-0.185	-0.983	259.364	100.636
6.652	-31.661	0.406	-0.914	293.929	66.071
6.652	-32.461	0.447	-0.894	296.571	63.429
6.652	-33.261	0.405	-0.914	293.896	66.104
6.652	-34.061	0.511	-0.859	300.762	59.238
6.652	-34.861	0.505	-0.863	300.322	59.678
6.652	-35.661	0.510	-0.860	300.667	59.333
6.652	-36.461	0.441	-0.898	296.143	63.857
6.652	-37.261	0.411	-0.912	294.271	65.729
6.652	-38.061	0.475	-0.880	298.339	61.661
5.852	-9.261	0.523	-0.852	301.518	58.482
5.852	-10.061	0.509	-0.861	300.585	59.415
5.852	-10.861	0.554	-0.833	303.634	56.366
5.852	-11.661	0.581	-0.814	305.548	54.452
5.852	-12.461	0.449	-0.894	296.658	63.342
5.852	-13.261	0.430	-0.903	295.476	64.524
5.852	-14.061	0.480	-0.877	298.695	61.305
5.852	-14.861	0.359	-0.933	291.013	68.987
5.852	-15.661	0.435	-0.900	295.798	64.202
5.852	-16.461	0.454	-0.891	297.004	62.996
5.852	-17.261	0.418	-0.908	294.735	65.265
5.852	-18.061	0.367	-0.930	291.513	68.487
5.852	-18.861	0.256	-0.967	284.834	75.166
5.852	-19.661	0.143	-0.990	278.207	81.793
5.852	-20.461	-0.127	-0.992	262.715	97.285
5.852	-21.261	-0.344	-0.939	249.901	110.099
5.852	-22.061	-0.535	-0.845	237.641	122.359
5.852	-22.861	-0.680	-0.733	227.138	132.862
5.852	-23.661	-0.427	-0.904	244.719	115.281

5.852	-24.461	-0.469	-0.883	242.033	117.967
5.852	-25.261	-0.399	-0.917	246.485	113.515
5.852	-26.061	-0.360	-0.933	248.875	111.125
5.852	-26.861	-0.498	-0.867	240.113	119.887
5.852	-27.661	-0.392	-0.920	246.945	113.055
5.852	-28.461	-0.351	-0.936	249.438	110.562
5.852	-29.261	-0.266	-0.964	254.586	105.414
5.852	-30.061	0.426	-0.905	295.206	64.794
5.852	-30.861	0.447	-0.894	296.564	63.436
5.852	-31.661	0.420	-0.908	294.831	65.169
5.852	-32.461	0.479	-0.878	298.634	61.366
5.852	-33.261	0.452	-0.892	296.859	63.141
5.852	-34.061	0.471	-0.882	298.118	61.882
5.852	-34.861	0.465	-0.886	297.684	62.316
5.852	-35.661	0.467	-0.884	297.830	62.170
5.852	-36.461	0.407	-0.913	294.014	65.986
5.852	-37.261	0.409	-0.913	294.133	65.867
5.852	-38.061	0.379	-0.925	292.272	67.728
5.052	-9.261	0.467	-0.884	297.868	62.132
5.052	-10.061	0.493	-0.870	299.547	60.453
5.052	-10.861	0.507	-0.862	300.443	59.557
5.052	-11.661	0.506	-0.862	300.407	59.593
5.052	-12.461	0.488	-0.873	299.199	60.801
5.052	-13.261	0.476	-0.880	298.404	61.596
5.052	-14.061	0.468	-0.883	297.934	62.066
5.052	-14.861	0.388	-0.921	292.860	67.140
5.052	-15.661	0.382	-0.924	292.437	67.563
5.052	-16.461	0.358	-0.934	290.989	69.011
5.052	-17.261	0.318	-0.948	288.537	71.463
5.052	-18.061	0.043	-0.999	272.470	87.530
5.052	-18.861	-0.094	-0.996	264.589	95.411
5.052	-19.661	-0.295	-0.956	252.861	107.139
5.052	-20.461	-0.581	-0.814	234.448	125.552
5.052	-21.261	-0.675	-0.738	227.543	132.457
5.052	-22.061	-0.589	-0.808	233.912	126.088
5.052	-22.861	-0.462	-0.887	242.509	117.491

5.052	-23.661	-0.397	-0.918	246.632	113.368
5.052	-24.461	-0.366	-0.930	248.510	111.490
5.052	-25.261	-0.448	-0.894	243.416	116.584
5.052	-26.061	-0.472	-0.881	241.813	118.187
5.052	-26.861	-0.405	-0.914	246.088	113.912
5.052	-27.661	-0.172	-0.985	260.071	99.929
5.052	-28.461	0.357	-0.934	290.924	69.076
5.052	-29.261	0.484	-0.875	298.925	61.075
5.052	-30.061	0.531	-0.848	302.059	57.941
5.052	-30.861	0.524	-0.852	301.609	58.391
5.052	-31.661	0.515	-0.857	301.014	58.986
5.052	-32.461	0.534	-0.846	302.246	57.754
5.052	-33.261	0.552	-0.834	303.534	56.466
5.052	-34.061	0.438	-0.899	295.961	64.039
5.052	-34.861	0.391	-0.920	293.033	66.967
5.052	-35.661	0.353	-0.936	290.651	69.349
5.052	-36.461	0.363	-0.932	291.261	68.739
5.052	-37.261	0.333	-0.943	289.423	70.577
5.052	-38.061	0.220	-0.976	282.691	77.309
4.252	-9.261	0.466	-0.885	297.767	62.233
4.252	-10.061	0.445	-0.895	296.440	63.560
4.252	-10.861	0.529	-0.849	301.944	58.056
4.252	-11.661	0.510	-0.860	300.683	59.317
4.252	-12.461	0.500	-0.866	300.033	59.967
4.252	-13.261	0.498	-0.867	299.855	60.145
4.252	-14.061	0.410	-0.912	294.177	65.823
4.252	-14.861	0.382	-0.924	292.463	67.537
4.252	-15.661	0.276	-0.961	286.004	73.996
4.252	-16.461	0.204	-0.979	281.792	78.208
4.252	-17.261	-0.122	-0.993	263.006	96.994
4.252	-18.061	-0.386	-0.923	247.302	112.698
4.252	-18.861	-0.597	-0.802	233.315	126.685
4.252	-19.661	-0.658	-0.753	228.854	131.146
4.252	-20.461	-0.601	-0.799	233.067	126.933
4.252	-21.261	-0.508	-0.862	239.487	120.513
4.252	-22.061	-0.488	-0.873	240.798	119.202

4.252	-22.861	-0.557	-0.831	236.164	123.836
4.252	-23.661	-0.619	-0.785	231.728	128.272
4.252	-24.461	-0.588	-0.809	233.982	126.018
4.252	-25.261	-0.542	-0.840	237.175	122.825
4.252	-26.061	0.342	-0.940	289.977	70.023
4.252	-26.861	0.379	-0.926	292.247	67.753
4.252	-27.661	0.477	-0.879	298.502	61.498
4.252	-28.461	0.496	-0.869	299.704	60.296
4.252	-29.261	0.494	-0.869	299.607	60.393
4.252	-30.061	0.494	-0.870	299.572	60.428
4.252	-30.861	0.466	-0.885	297.788	62.212
4.252	-31.661	0.493	-0.870	299.558	60.442
4.252	-32.461	0.433	-0.901	295.666	64.334
4.252	-33.261	0.371	-0.929	291.782	68.218
4.252	-34.061	0.403	-0.915	293.781	66.219
4.252	-34.861	0.383	-0.924	292.510	67.490
4.252	-35.661	0.297	-0.955	287.293	72.707
4.252	-36.461	0.242	-0.970	284.027	75.973
4.252	-37.261	0.094	-0.996	275.392	84.608
4.252	-38.061	0.119	-0.993	276.855	83.145
3.452	-9.261	0.455	-0.890	297.073	62.927
3.452	-10.061	0.466	-0.885	297.793	62.207
3.452	-10.861	0.503	-0.865	300.169	59.831
3.452	-11.661	0.375	-0.927	291.996	68.004
3.452	-12.461	0.372	-0.928	291.832	68.168
3.452	-13.261	0.408	-0.913	294.049	65.951
3.452	-14.061	0.301	-0.954	287.489	72.511
3.452	-14.861	0.115	-0.993	276.607	83.393
3.452	-15.661	-0.039	-0.999	267.749	92.251
3.452	-16.461	-0.186	-0.983	259.276	100.724
3.452	-17.261	-0.333	-0.943	250.579	109.421
3.452	-18.061	-0.554	-0.832	236.330	123.670
3.452	-18.861	-0.637	-0.771	230.459	129.541
3.452	-19.661	-0.491	-0.871	240.563	119.437
3.452	-20.461	-0.450	-0.893	243.239	116.761
3.452	-21.261	-0.581	-0.814	234.481	125.519

3.452	-22.061	-0.530	-0.848	238.027	121.973
3.452	-22.861	-0.483	-0.876	241.123	118.877
3.452	-23.661	0.206	-0.978	281.909	78.091
3.452	-24.461	0.379	-0.926	292.253	67.747
3.452	-25.261	0.375	-0.927	292.052	67.948
3.452	-26.061	0.420	-0.908	294.833	65.167
3.452	-26.861	0.490	-0.872	299.355	60.645
3.452	-27.661	0.529	-0.849	301.915	58.085
3.452	-28.461	0.536	-0.844	302.395	57.605
3.452	-29.261	0.535	-0.845	302.319	57.681
3.452	-30.061	0.493	-0.870	299.528	60.472
3.452	-30.861	0.404	-0.915	293.846	66.154
3.452	-31.661	0.454	-0.891	297.013	62.987
3.452	-32.461	0.385	-0.923	292.644	67.356
3.452	-33.261	0.418	-0.908	294.737	65.263
3.452	-34.061	0.378	-0.926	292.231	67.769
3.452	-34.861	0.341	-0.940	289.951	70.049
3.452	-35.661	0.365	-0.931	291.410	68.590
3.452	-36.461	0.194	-0.981	281.199	78.801
3.452	-37.261	-0.009	-1.000	269.484	90.516
3.452	-38.061	-0.143	-0.990	261.790	98.210
2.652	-9.261	0.375	-0.927	292.044	67.956
2.652	-10.061	0.455	-0.890	297.074	62.926
2.652	-10.861	0.479	-0.878	298.607	61.393
2.652	-11.661	0.411	-0.912	294.243	65.757
2.652	-12.461	0.357	-0.934	290.918	69.082
2.652	-13.261	0.324	-0.946	288.880	71.120
2.652	-14.061	0.015	-1.000	270.832	89.168
2.652	-14.861	-0.222	-0.975	257.146	102.854
2.652	-15.661	-0.308	-0.951	252.056	107.944
2.652	-16.461	-0.543	-0.840	237.088	122.912
2.652	-17.261	-0.662	-0.750	228.564	131.436
2.652	-18.061	-0.527	-0.850	238.217	121.783
2.652	-18.861	-0.287	-0.958	253.303	106.697
2.652	-19.661	-0.120	-0.993	263.124	96.876
2.652	-20.461	0.202	-0.979	281.649	78.351

2.652	-21.261	0.298	-0.954	287.353	72.647
2.652	-22.061	0.446	-0.895	296.519	63.481
2.652	-22.861	0.538	-0.843	302.517	57.483
2.652	-23.661	0.544	-0.839	302.930	57.070
2.652	-24.461	0.524	-0.852	301.595	58.405
2.652	-25.261	0.490	-0.872	299.324	60.676
2.652	-26.061	0.475	-0.880	298.387	61.613
2.652	-26.861	0.496	-0.868	299.735	60.265
2.652	-27.661	0.507	-0.862	300.468	59.532
2.652	-28.461	0.487	-0.873	299.135	60.865
2.652	-29.261	0.506	-0.862	300.409	59.591
2.652	-30.061	0.432	-0.902	295.591	64.409
2.652	-30.861	0.405	-0.914	293.921	66.079
2.652	-31.661	0.359	-0.933	291.055	68.945
2.652	-32.461	0.416	-0.909	294.591	65.409
2.652	-33.261	0.386	-0.923	292.689	67.311
2.652	-34.061	0.375	-0.927	292.025	67.975
2.652	-34.861	0.337	-0.941	289.709	70.291
2.652	-35.661	0.301	-0.953	287.545	72.455
2.652	-36.461	0.052	-0.999	272.982	87.018
2.652	-37.261	-0.170	-0.986	260.233	99.767
2.652	-38.061	-0.299	-0.954	252.631	107.369
1.852	-9.261	0.420	-0.907	294.842	65.158
1.852	-10.061	0.525	-0.851	301.647	58.353
1.852	-10.861	0.477	-0.879	298.507	61.493
1.852	-11.661	0.377	-0.926	292.124	67.876
1.852	-12.461	0.183	-0.983	280.522	79.478
1.852	-13.261	-0.136	-0.991	262.185	97.815
1.852	-14.061	-0.332	-0.943	250.597	109.403
1.852	-14.861	-0.480	-0.877	241.282	118.718
1.852	-15.661	-0.492	-0.871	240.536	119.464
1.852	-16.461	-0.435	-0.901	244.237	115.763
1.852	-17.261	-0.122	-0.992	262.964	97.036
1.852	-18.061	0.429	-0.903	295.434	64.566
1.852	-18.861	0.393	-0.919	293.172	66.828
1.852	-19.661	0.477	-0.879	298.505	61.495

1.852	-20.461	0.502	-0.865	300.130	59.870
1.852	-21.261	0.479	-0.878	298.609	61.391
1.852	-22.061	0.436	-0.900	295.877	64.123
1.852	-22.861	0.439	-0.898	296.042	63.958
1.852	-23.661	0.480	-0.877	298.703	61.297
1.852	-24.461	0.459	-0.889	297.299	62.701
1.852	-25.261	0.467	-0.884	297.816	62.184
1.852	-26.061	0.407	-0.913	294.025	65.975
1.852	-26.861	0.467	-0.884	297.862	62.138
1.852	-27.661	0.454	-0.891	296.984	63.016
1.852	-28.461	0.418	-0.909	294.685	65.315
1.852	-29.261	0.419	-0.908	294.775	65.225
1.852	-30.061	0.389	-0.921	292.871	67.129
1.852	-30.861	0.386	-0.923	292.685	67.315
1.852	-31.661	0.382	-0.924	292.466	67.534
1.852	-32.461	0.438	-0.899	295.985	64.015
1.852	-33.261	0.383	-0.924	292.534	67.466
1.852	-34.061	0.369	-0.930	291.637	68.363
1.852	-34.861	0.269	-0.963	285.629	74.371
1.852	-35.661	0.151	-0.989	278.684	81.316
1.852	-36.461	-0.103	-0.995	264.069	95.931
1.852	-37.261	-0.169	-0.986	260.248	99.752
1.852	-38.061	-0.318	-0.948	251.479	108.521
1.052	-9.261	0.393	-0.919	293.147	66.853
1.052	-10.061	0.407	-0.913	294.011	65.989
1.052	-10.861	0.294	-0.956	287.084	72.916
1.052	-11.661	0.267	-0.964	285.459	74.541
1.052	-12.461	0.134	-0.991	277.709	82.291
1.052	-13.261	-0.275	-0.961	254.048	105.952
1.052	-14.061	-0.353	-0.936	249.312	110.688
1.052	-14.861	-0.254	-0.967	255.261	104.739
1.052	-15.661	-0.066	-0.998	266.192	93.808
1.052	-16.461	0.231	-0.973	283.349	76.651
1.052	-17.261	0.286	-0.958	286.618	73.382
1.052	-18.061	0.310	-0.951	288.054	71.946
1.052	-18.861	0.324	-0.946	288.926	71.074

1.052	-19.661	0.329	-0.944	289.191	70.809
1.052	-20.461	0.376	-0.927	292.061	67.939
1.052	-21.261	0.388	-0.921	292.854	67.146
1.052	-22.061	0.283	-0.959	286.427	73.573
1.052	-22.861	0.383	-0.924	292.543	67.457
1.052	-23.661	0.352	-0.936	290.581	69.419
1.052	-24.461	0.325	-0.946	288.947	71.053
1.052	-25.261	0.388	-0.922	292.846	67.154
1.052	-26.061	0.387	-0.922	292.777	67.223
1.052	-26.861	0.382	-0.924	292.462	67.538
1.052	-27.661	0.435	-0.901	295.774	64.226
1.052	-28.461	0.427	-0.904	295.263	64.737
1.052	-29.261	0.394	-0.919	293.202	66.798
1.052	-30.061	0.408	-0.913	294.054	65.946
1.052	-30.861	0.374	-0.927	291.979	68.021
1.052	-31.661	0.337	-0.942	289.686	70.314
1.052	-32.461	0.377	-0.926	292.155	67.845
1.052	-33.261	0.353	-0.936	290.686	69.314
1.052	-34.061	0.333	-0.943	289.450	70.550
1.052	-34.861	0.175	-0.985	280.096	79.904
1.052	-35.661	0.087	-0.996	274.971	85.029
1.052	-36.461	-0.127	-0.992	262.716	97.284
1.052	-37.261	-0.205	-0.979	258.144	101.856
1.052	-38.061	-0.010	-1.000	269.416	90.584
0.252	-9.261	0.418	-0.909	294.681	65.319
0.252	-10.061	0.282	-0.959	286.378	73.622
0.252	-10.861	0.325	-0.946	288.958	71.042
0.252	-11.661	0.174	-0.985	280.022	79.978
0.252	-12.461	0.000	-1.000	270.000	90.000
0.252	-13.261	-0.117	-0.993	263.267	96.733
0.252	-14.061	-0.071	-0.997	265.911	94.089
0.252	-14.861	0.124	-0.992	277.114	82.886
0.252	-15.661	0.144	-0.990	278.305	81.695
0.252	-16.461	0.159	-0.987	279.176	80.824
0.252	-17.261	0.232	-0.973	283.391	76.609
0.252	-18.061	0.221	-0.975	282.762	77.238

0.252	-18.861	0.260	-0.966	285.070	74.930
0.252	-19.661	0.290	-0.957	286.877	73.123
0.252	-20.461	0.357	-0.934	290.902	69.098
0.252	-21.261	0.381	-0.924	292.408	67.592
0.252	-22.061	0.398	-0.917	293.455	66.545
0.252	-22.861	0.378	-0.926	292.236	67.764
0.252	-23.661	0.378	-0.926	292.230	67.770
0.252	-24.461	0.388	-0.922	292.828	67.172
0.252	-25.261	0.417	-0.909	294.670	65.330
0.252	-26.061	0.383	-0.924	292.493	67.507
0.252	-26.861	0.398	-0.918	293.422	66.578
0.252	-27.661	0.436	-0.900	295.860	64.140
0.252	-28.461	0.432	-0.902	295.604	64.396
0.252	-29.261	0.438	-0.899	295.964	64.036
0.252	-30.061	0.455	-0.890	297.088	62.912
0.252	-30.861	0.403	-0.915	293.773	66.227
0.252	-31.661	0.365	-0.931	291.431	68.569
0.252	-32.461	0.328	-0.945	289.138	70.862
0.252	-33.261	0.331	-0.944	289.302	70.698
0.252	-34.061	0.334	-0.942	289.531	70.469
0.252	-34.861	0.117	-0.993	276.697	83.303
0.252	-35.661	-0.079	-0.997	265.464	94.536
0.252	-36.461	0.061	-0.998	273.497	86.503
0.252	-37.261	0.158	-0.987	279.078	80.922
0.252	-38.061	0.224	-0.975	282.922	77.078
-0.548	-9.261	0.320	-0.947	288.665	71.335
-0.548	-10.061	0.296	-0.955	287.208	72.792
-0.548	-10.861	0.136	-0.991	277.819	82.181
-0.548	-11.661	0.029	-1.000	271.690	88.310
-0.548	-12.461	0.130	-0.992	277.442	82.558
-0.548	-13.261	0.126	-0.992	277.260	82.740
-0.548	-14.061	0.175	-0.985	280.054	79.946
-0.548	-14.861	0.208	-0.978	281.999	78.001
-0.548	-15.661	0.284	-0.959	286.492	73.508
-0.548	-16.461	0.317	-0.949	288.456	71.544
-0.548	-17.261	0.341	-0.940	289.967	70.033

-0.548	-18.061	0.246	-0.969	284.229	75.771
-0.548	-18.861	0.262	-0.965	285.177	74.823
-0.548	-19.661	0.321	-0.947	288.695	71.305
-0.548	-20.461	0.394	-0.919	293.229	66.771
-0.548	-21.261	0.467	-0.884	297.816	62.184
-0.548	-22.061	0.325	-0.946	288.984	71.016
-0.548	-22.861	0.380	-0.925	292.363	67.637
-0.548	-23.661	0.402	-0.916	293.697	66.303
-0.548	-24.461	0.400	-0.916	293.583	66.417
-0.548	-25.261	0.413	-0.911	294.418	65.582
-0.548	-26.061	0.421	-0.907	294.873	65.127
-0.548	-26.861	0.427	-0.904	295.303	64.697
-0.548	-27.661	0.422	-0.907	294.954	65.046
-0.548	-28.461	0.423	-0.906	295.009	64.991
-0.548	-29.261	0.461	-0.887	297.446	62.554
-0.548	-30.061	0.474	-0.881	298.287	61.713
-0.548	-30.861	0.497	-0.867	299.832	60.168
-0.548	-31.661	0.408	-0.913	294.051	65.949
-0.548	-32.461	0.352	-0.936	290.637	69.363
-0.548	-33.261	0.362	-0.932	291.241	68.759
-0.548	-34.061	0.314	-0.949	288.318	71.682
-0.548	-34.861	0.177	-0.984	280.215	79.785
-0.548	-35.661	0.086	-0.996	274.943	85.057
-0.548	-36.461	0.187	-0.982	280.773	79.227
-0.548	-37.261	0.248	-0.969	284.386	75.614
-0.548	-38.061	0.332	-0.943	289.411	70.589
-1.348	-9.261	0.318	-0.948	288.559	71.441
-1.348	-10.061	0.217	-0.976	282.528	77.472
-1.348	-10.861	0.129	-0.992	277.427	82.573
-1.348	-11.661	0.084	-0.997	274.791	85.209
-1.348	-12.461	0.084	-0.996	274.817	85.183
-1.348	-13.261	0.155	-0.988	278.942	81.058
-1.348	-14.061	0.153	-0.988	278.793	81.207
-1.348	-14.861	0.208	-0.978	282.026	77.974
-1.348	-15.661	0.245	-0.970	284.179	75.821
-1.348	-16.461	0.289	-0.957	286.773	73.227

-1.348	-17.261	0.265	-0.964	285.392	74.608
-1.348	-18.061	0.266	-0.964	285.419	74.581
-1.348	-18.861	0.317	-0.948	288.475	71.525
-1.348	-19.661	0.389	-0.921	292.882	67.118
-1.348	-20.461	0.373	-0.928	291.882	68.118
-1.348	-21.261	0.435	-0.900	295.814	64.186
-1.348	-22.061	0.438	-0.899	295.967	64.033
-1.348	-22.861	0.335	-0.942	289.565	70.435
-1.348	-23.661	0.393	-0.920	293.129	66.871
-1.348	-24.461	0.419	-0.908	294.765	65.235
-1.348	-25.261	0.401	-0.916	293.617	66.383
-1.348	-26.061	0.373	-0.928	291.890	68.110
-1.348	-26.861	0.395	-0.919	293.248	66.752
-1.348	-27.661	0.415	-0.910	294.505	65.495
-1.348	-28.461	0.371	-0.929	291.783	68.217
-1.348	-29.261	0.355	-0.935	290.798	69.202
-1.348	-30.061	0.387	-0.922	292.742	67.258
-1.348	-30.861	0.330	-0.944	289.278	70.722
-1.348	-31.661	0.317	-0.948	288.504	71.496
-1.348	-32.461	0.304	-0.953	287.687	72.313
-1.348	-33.261	0.292	-0.956	286.986	73.014
-1.348	-34.061	0.195	-0.981	281.273	78.727
-1.348	-34.861	0.219	-0.976	282.644	77.356
-1.348	-35.661	0.195	-0.981	281.239	78.761
-1.348	-36.461	0.232	-0.973	283.403	76.597
-1.348	-37.261	0.297	-0.955	287.298	72.702
-1.348	-38.061	0.319	-0.948	288.603	71.397
-2.148	-9.261	0.320	-0.948	288.640	71.360
-2.148	-10.061	0.248	-0.969	284.378	75.622
-2.148	-10.861	0.030	-1.000	271.696	88.304
-2.148	-11.661	0.132	-0.991	277.587	82.413
-2.148	-12.461	0.230	-0.973	283.297	76.703
-2.148	-13.261	0.233	-0.972	283.486	76.514
-2.148	-14.061	0.240	-0.971	283.874	76.126
-2.148	-14.861	0.267	-0.964	285.513	74.487
-2.148	-15.661	0.236	-0.972	283.658	76.342

-2.148	-16.461	0.269	-0.963	285.593	74.407
-2.148	-17.261	0.381	-0.925	292.375	67.625
-2.148	-18.061	0.390	-0.921	292.954	67.046
-2.148	-18.861	0.372	-0.928	291.854	68.146
-2.148	-19.661	0.370	-0.929	291.724	68.276
-2.148	-20.461	0.332	-0.943	289.390	70.610
-2.148	-21.261	0.310	-0.951	288.069	71.931
-2.148	-22.061	0.339	-0.941	289.795	70.205
-2.148	-22.861	0.339	-0.941	289.821	70.179
-2.148	-23.661	0.314	-0.949	288.325	71.675
-2.148	-24.461	0.306	-0.952	287.831	72.169
-2.148	-25.261	0.306	-0.952	287.833	72.167
-2.148	-26.061	0.372	-0.928	291.843	68.157
-2.148	-26.861	0.406	-0.914	293.961	66.039
-2.148	-27.661	0.453	-0.891	296.958	63.042
-2.148	-28.461	0.438	-0.899	295.967	64.033
-2.148	-29.261	0.340	-0.940	289.895	70.105
-2.148	-30.061	0.384	-0.923	292.573	67.427
-2.148	-30.861	0.324	-0.946	288.889	71.111
-2.148	-31.661	0.291	-0.957	286.940	73.060
-2.148	-32.461	0.281	-0.960	286.294	73.706
-2.148	-33.261	0.257	-0.966	284.901	75.099
-2.148	-34.061	0.192	-0.981	281.065	78.935
-2.148	-34.861	0.198	-0.980	281.438	78.562
-2.148	-35.661	0.243	-0.970	284.090	75.910
-2.148	-36.461	0.212	-0.977	282.215	77.785
-2.148	-37.261	0.268	-0.963	285.530	74.470
-2.148	-38.061	0.312	-0.950	288.168	71.832
-2.948	-9.261	0.318	-0.948	288.539	71.461
-2.948	-10.061	0.213	-0.977	282.293	77.707
-2.948	-10.861	0.163	-0.987	279.388	80.612
-2.948	-11.661	0.213	-0.977	282.283	77.717
-2.948	-12.461	0.193	-0.981	281.136	78.864
-2.948	-13.261	0.207	-0.978	281.921	78.079
-2.948	-14.061	0.164	-0.986	279.437	80.563
-2.948	-14.861	0.263	-0.965	285.244	74.756

-2.948	-15.661	0.287	-0.958	286.698	73.302
-2.948	-16.461	0.255	-0.967	284.756	75.244
-2.948	-17.261	0.260	-0.966	285.085	74.915
-2.948	-18.061	0.373	-0.928	291.904	68.096
-2.948	-18.861	0.303	-0.953	287.662	72.338
-2.948	-19.661	0.311	-0.950	288.121	71.879
-2.948	-20.461	0.350	-0.937	290.482	69.518
-2.948	-21.261	0.343	-0.939	290.041	69.959
-2.948	-22.061	0.358	-0.934	290.993	69.007
-2.948	-22.861	0.323	-0.946	288.869	71.131
-2.948	-23.661	0.369	-0.929	291.669	68.331
-2.948	-24.461	0.383	-0.924	292.513	67.487
-2.948	-25.261	0.384	-0.923	292.610	67.390
-2.948	-26.061	0.413	-0.911	294.365	65.635
-2.948	-26.861	0.395	-0.919	293.286	66.714
-2.948	-27.661	0.393	-0.920	293.143	66.857
-2.948	-28.461	0.382	-0.924	292.484	67.516
-2.948	-29.261	0.370	-0.929	291.691	68.309
-2.948	-30.061	0.308	-0.951	287.966	72.034
-2.948	-30.861	0.279	-0.960	286.225	73.775
-2.948	-31.661	0.322	-0.947	288.775	71.225
-2.948	-32.461	0.280	-0.960	286.263	73.737
-2.948	-33.261	0.325	-0.946	288.951	71.049
-2.948	-34.061	0.295	-0.956	287.145	72.855
-2.948	-34.861	0.256	-0.967	284.861	75.139
-2.948	-35.661	0.273	-0.962	285.822	74.178
-2.948	-36.461	0.312	-0.950	288.178	71.822
-2.948	-37.261	0.311	-0.950	288.109	71.891
-2.948	-38.061	0.323	-0.946	288.853	71.147