

forcefield	AMOEBA
bond-cubic	-2.55
bond-quartic	3.793125
angle-cubic	-0.014
angle-quartic	0.000056
angle-pentic	-0.0000007
angle-sextic	0.000000022
opbendtype	ALLINGER
opbend-cubic	-0.014
opbend-quartic	0.000056
opbend-pentic	-0.0000007
opbend-sextic	0.000000022
torsionunit	0.5
strtorunit	1.0
angtorunit	1.0
vdwtype	BUFFERED-14-7
radiusrule	CUBIC-MEAN
radiustype	R-MIN
radiussize	DIAMETER
epsilon rule	HHG
dielectric	1.0
polarization	MUTUAL
vdw-13-scale	0.0
vdw-14-scale	1.0
vdw-15-scale	1.0
mpole-12-scale	0.0
mpole-13-scale	0.0
mpole-14-scale	0.4
mpole-15-scale	0.8
polar-12-scale	0.0
polar-13-scale	0.0
polar-14-scale	1.0
polar-15-scale	1.0
direct-11-scale	0.0
direct-12-scale	1.0
direct-13-scale	1.0
direct-14-scale	1.0
mutual-11-scale	1.0
mutual-12-scale	1.0
mutual-13-scale	1.0
mutual-14-scale	1.0

#####

## ##  
 ## Aromatic molecule & Nucleic acid bases ##

```

##
## Gm 9-Methylguanine      ##
## Gb Guanine              ##
## Cm 1-Methylcytosine    ##
## Cb Cytosine             ##
## Am 9-Methyladenine     ##
## Ab Adenine              ##
## Um 1-Methyluracil      ##
## Ub Uracil               ##
## Tm 1-Methylthymine     ##
## Tb Thymine              ##
## BE Benzene              ##
## AL Aniline              ##
## MI 1-Methylimidazole   ##
## IN Indole               ##
## ML 3-Methylindole       ##
## NM N-methyl-2-pyridone  ##
## PD Pyridine             ##
## PN 2-Aminopyridine      ##
## PO 2-Pyridone           ##
## PI Pyrimidine           ##
## PR Pyrrole              ##
## MP 3-Methylpyridine    ##
##
#####

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```

atom 101 1 O "Water O " 8 15.995 2
atom 102 2 H "Water H " 1 1.008 1
atom 41 41 Na+ "Sodium Ion " 11 22.990 0
atom 42 42 K+ "Potassium Ion" 19 39.098 0
atom 43 43 Mg+ "Magnesium Ion" 12 24.305 0
atom 201 119 C "Gm C2-N2" 6 12.011 3
atom 202 106 C "Gm C6 " 6 12.011 3
atom 203 107 C "Gm C4-N9" 6 12.011 3
atom 204 105 C "Gm C8 " 6 12.011 3
atom 205 109 N "Gm N1 " 7 14.007 3
atom 206 108 N "Gm N2 " 7 14.007 3
atom 207 107 C "Gm C5-N7" 6 12.011 3
atom 208 110 N "Gm N9-C9" 7 14.007 3
atom 209 112 N "Gm N7 " 7 14.007 2
atom 210 111 N "Gm N3 " 7 14.007 2
atom 211 118 H "Gm H1 " 1 1.008 1
atom 212 114 H "Gm H91 " 1 1.008 1
atom 213 101 C "Gm C9 " 6 12.011 4
atom 214 113 O "Gm O6 " 8 15.999 1
atom 215 116 H "Gm H8 " 1 1.008 1

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atom	216	117	H	"Gm	H21 "	1	1.008	1
atom	221	119	C	"Gb	C2-N2"	6	12.011	3
atom	222	106	C	"Gb	C6 "	6	12.011	3
atom	223	107	C	"Gb	C4-N9"	6	12.011	3
atom	224	105	C	"Gb	C8 "	6	12.011	3
atom	225	109	N	"Gb	N1 "	7	14.007	3
atom	226	108	N	"Gb	N2 "	7	14.007	3
atom	227	107	C	"Gb	C5-N7"	6	12.011	3
atom	228	110	N	"Gb	N9 "	7	14.007	3
atom	229	112	N	"Gb	N7 "	7	14.007	2
atom	230	111	N	"Gb	N3 "	7	14.007	2
atom	231	118	H	"Gb	H1 "	1	1.008	1
atom	232	118	H	"Gb	H9 "	1	1.008	1
atom	233	113	O	"Gb	O6 "	8	15.999	1
atom	234	116	H	"Gb	H8 "	1	1.008	1
atom	235	117	H	"Gb	H21 "	1	1.008	1
atom	301	109	N	"Cm	N1-C1"	7	14.007	3
atom	302	102	C	"Cm	C5 "	6	12.011	3
atom	303	108	N	"Cm	N4 "	7	14.007	3
atom	304	104	C	"Cm	C6 "	6	12.011	3
atom	305	106	C	"Cm	C2 "	6	12.011	3
atom	306	120	C	"Cm	C4-N4"	6	12.011	3
atom	307	111	N	"Cm	N3 "	7	14.007	2
atom	308	115	H	"Cm	H5 "	1	1.008	1
atom	309	113	O	"Cm	O2 "	8	15.999	1
atom	310	101	C	"Cm	C1 "	6	12.011	4
atom	311	114	H	"Cm	H11 "	1	1.008	1
atom	312	116	H	"Cm	H6 "	1	1.008	1
atom	313	117	H	"Cm	H41 "	1	1.008	1
atom	321	109	N	"Cb	N1 "	7	14.007	3
atom	322	102	C	"Cb	C5 "	6	12.011	3
atom	323	108	N	"Cb	N4 "	7	14.007	3
atom	324	104	C	"Cb	C6 "	6	12.011	3
atom	325	106	C	"Cb	C2 "	6	12.011	3
atom	326	120	C	"Cb	C4-N4"	6	12.011	3
atom	327	111	N	"Cb	N3 "	7	14.007	2
atom	328	115	H	"Cb	H5 "	1	1.008	1
atom	329	113	O	"Cb	O2 "	8	15.999	1
atom	330	118	H	"Cb	H1 "	1	1.008	1
atom	331	116	H	"Cb	H6 "	1	1.008	1
atom	332	117	H	"Cb	H41 "	1	1.008	1
atom	401	107	C	"Am	C4-N9"	6	12.011	3
atom	402	105	C	"Am	C8 "	6	12.011	3
atom	403	120	C	"Am	C6 "	6	12.011	3
atom	404	107	C	"Am	C5-N7"	6	12.011	3
atom	405	110	N	"Am	N9-C9"	7	14.007	3

atom	406	108	N	"Am	N6 "	7	14.007	3
atom	407	104	C	"Am	C2 "	6	12.011	3
atom	408	112	N	"Am	N7 "	7	14.007	2
atom	409	111	N	"Am	N3 "	7	14.007	2
atom	410	111	N	"Am	N1 "	7	14.007	2
atom	411	101	C	"Am	C9 "	6	12.011	4
atom	412	114	H	"Am	H91 "	1	1.008	1
atom	413	116	H	"Am	H8 "	1	1.008	1
atom	414	116	H	"Am	H2 "	1	1.008	1
atom	415	117	H	"Am	H61 "	1	1.008	1
atom	421	107	C	"Ab	C4-N9"	6	12.011	3
atom	422	105	C	"Ab	C8 "	6	12.011	3
atom	423	120	C	"Ab	C6 "	6	12.011	3
atom	424	107	C	"Ab	C5-N7"	6	12.011	3
atom	425	110	N	"Ab	N9 "	7	14.007	3
atom	426	108	N	"Ab	N6 "	7	14.007	3
atom	427	104	C	"Ab	C2 "	6	12.011	3
atom	428	112	N	"Ab	N7 "	7	14.007	2
atom	429	111	N	"Ab	N3 "	7	14.007	2
atom	430	111	N	"Ab	N1 "	7	14.007	2
atom	431	118	H	"Ab	H9 "	1	1.008	1
atom	432	116	H	"Ab	H8 "	1	1.008	1
atom	433	116	H	"Ab	H2 "	1	1.008	1
atom	434	117	H	"Ab	H61 "	1	1.008	1
atom	501	106	C	"Um	C2 "	6	12.011	3
atom	502	104	C	"Um	C6 "	6	12.011	3
atom	503	106	C	"Um	C4 "	6	12.011	3
atom	504	109	N	"Um	N3 "	7	14.007	3
atom	505	109	N	"Um	N1-C1"	7	14.007	3
atom	506	104	C	"Um	C5 "	6	12.011	3
atom	507	101	C	"Um	C1 "	6	12.011	4
atom	508	118	H	"Um	H3 "	1	1.008	1
atom	509	116	H	"Um	H5 "	1	1.008	1
atom	510	113	O	"Um	O2 "	8	15.999	1
atom	511	113	O	"Um	O4 "	8	15.999	1
atom	512	116	H	"Um	H6 "	1	1.008	1
atom	513	114	H	"Um	H11 "	1	1.008	1
atom	521	106	C	"Ub	C2 "	6	12.011	3
atom	522	104	C	"Ub	C6 "	6	12.011	3
atom	523	106	C	"Ub	C4 "	6	12.011	3
atom	524	109	N	"Ub	N3 "	7	14.007	3
atom	525	109	N	"Ub	N1 "	7	14.007	3
atom	526	104	C	"Ub	C5 "	6	12.011	3
atom	527	118	H	"Ub	H1 "	1	1.008	1
atom	528	118	H	"Ub	H3 "	1	1.008	1
atom	529	116	H	"Ub	H5 "	1	1.008	1

atom	530	113	O	"Ub	O2 "	8	15.999	1
atom	531	113	O	"Ub	O4 "	8	15.999	1
atom	532	116	H	"Ub	H6 "	1	1.008	1
atom	601	101	C	"Tm	C7 "	6	12.011	4
atom	602	104	C	"Tm	C5-C7"	6	12.011	3
atom	603	106	C	"Tm	C4 "	6	12.011	3
atom	604	104	C	"Tm	C6 "	6	12.011	3
atom	605	109	N	"Tm	N1-C1"	7	14.007	3
atom	606	109	N	"Tm	N3 "	7	14.007	3
atom	607	106	C	"Tm	C2 "	6	12.011	3
atom	608	114	H	"Tm	H7 "	1	1.008	1
atom	609	113	O	"Tm	O2 "	8	15.999	1
atom	610	116	H	"Tm	H6 "	1	1.008	1
atom	611	113	O	"Tm	O4 "	8	15.999	1
atom	612	118	H	"Tm	H3 "	1	1.008	1
atom	613	101	C	"Tm	C1 "	6	12.011	4
atom	614	114	H	"Tm	H11 "	1	1.008	1
atom	621	101	C	"Tb	C7 "	6	12.011	4
atom	622	104	C	"Tb	C5-C7"	6	12.011	3
atom	623	106	C	"Tb	C4 "	6	12.011	3
atom	624	104	C	"Tb	C6 "	6	12.011	3
atom	625	109	N	"Tb	N1 "	7	14.007	3
atom	626	109	N	"Tb	N3 "	7	14.007	3
atom	627	106	C	"Tb	C2 "	6	12.011	3
atom	628	114	H	"Tb	H7 "	1	1.008	1
atom	629	113	O	"Tb	O2 "	8	15.999	1
atom	630	116	H	"Tb	H6 "	1	1.008	1
atom	631	113	O	"Tb	O4 "	8	15.999	1
atom	632	118	H	"Tb	H3 "	1	1.008	1
atom	633	118	H	"Tb	H1 "	1	1.008	1
atom	701	102	C	"BE	C "	6	12.011	3
atom	702	115	H	"BE	H "	1	1.008	1
atom	721	102	C	"AL	C1-N1"	6	12.011	3
atom	722	102	C	"AL	C3 "	6	12.011	3
atom	723	102	C	"AL	C2 "	6	12.011	3
atom	724	108	N	"AL	N1 "	7	14.007	3
atom	725	102	C	"AL	C4 "	6	12.011	3
atom	726	115	H	"AL	H2 "	1	1.008	1
atom	727	117	H	"AL	H11 "	1	1.008	1
atom	728	115	H	"AL	H3 "	1	1.008	1
atom	729	115	H	"AL	H4 "	1	1.008	1
atom	741	101	C	"MI	C3 "	6	12.011	4
atom	742	110	N	"MI	N3-C3"	7	14.007	3
atom	743	105	C	"MI	C4 "	6	12.011	3
atom	744	105	C	"MI	C2 "	6	12.011	3
atom	745	105	C	"MI	C5 "	6	12.011	3

atom	746	112	N	"MI	N1 "	7	14.007	2
atom	747	114	H	"MI	H31 "	1	1.008	1
atom	748	116	H	"MI	H4 "	1	1.008	1
atom	749	116	H	"MI	H2 "	1	1.008	1
atom	750	116	H	"MI	H5 "	1	1.008	1
atom	761	107	C	"IN	C5-N1"	6	12.011	3
atom	762	105	C	"IN	C2 "	6	12.011	3
atom	763	105	C	"IN	C3 "	6	12.011	3
atom	764	104	C	"IN	C9 "	6	12.011	3
atom	765	104	C	"IN	C7 "	6	12.011	3
atom	766	107	C	"IN	C4-C9"	6	12.011	3
atom	767	110	N	"IN	N1 "	7	14.007	3
atom	768	104	C	"IN	C6 "	6	12.011	3
atom	769	104	C	"IN	C8 "	6	12.011	3
atom	770	118	H	"IN	H1 "	1	1.008	1
atom	771	115	H	"IN	H6 "	1	1.008	1
atom	772	115	H	"IN	H3 "	1	1.008	1
atom	773	116	H	"IN	H2 "	1	1.008	1
atom	774	115	H	"IN	H8 "	1	1.008	1
atom	775	115	H	"IN	H9 "	1	1.008	1
atom	776	115	H	"IN	H7 "	1	1.008	1
atom	781	107	C	"ML	C5-N1"	6	12.011	3
atom	782	105	C	"ML	C2 "	6	12.011	3
atom	783	105	C	"ML	C3-C0"	6	12.011	3
atom	784	104	C	"ML	C9 "	6	12.011	3
atom	785	104	C	"ML	C7 "	6	12.011	3
atom	786	107	C	"ML	C4-C9"	6	12.011	3
atom	787	110	N	"ML	N1 "	7	14.007	3
atom	788	104	C	"ML	C6 "	6	12.011	3
atom	789	104	C	"ML	C8 "	6	12.011	3
atom	790	118	H	"ML	H1 "	1	1.008	1
atom	791	115	H	"ML	H6 "	1	1.008	1
atom	792	101	C	"ML	C0 "	6	12.011	4
atom	793	116	H	"ML	H2 "	1	1.008	1
atom	794	115	H	"ML	H8 "	1	1.008	1
atom	795	115	H	"ML	H9 "	1	1.008	1
atom	796	115	H	"ML	H7 "	1	1.008	1
atom	797	114	H	"ML	H01 "	1	1.008	1
atom	801	101	C	"NM	C1 "	6	12.011	4
atom	802	109	N	"NM	N1-C1"	7	14.007	3
atom	803	106	C	"NM	C6 "	6	12.011	3
atom	804	104	C	"NM	C2 "	6	12.011	3
atom	805	102	C	"NM	C3 "	6	12.011	3
atom	806	104	C	"NM	C5 "	6	12.011	3
atom	807	102	C	"NM	C4 "	6	12.011	3
atom	808	114	H	"NM	H11 "	1	1.008	1

atom	809	116	H	"NM	H2	"	1	1.008	1
atom	810	113	O	"NM	O6	"	8	15.999	1
atom	811	116	H	"NM	H5	"	1	1.008	1
atom	812	115	H	"NM	H3	"	1	1.008	1
atom	813	115	H	"NM	H4	"	1	1.008	1
atom	821	102	C	"PD	C4	"	6	12.011	3
atom	822	104	C	"PD	C2	"	6	12.011	3
atom	823	102	C	"PD	C3	"	6	12.011	3
atom	824	111	N	"PD	N1	"	7	14.007	2
atom	825	115	H	"PD	H3	"	1	1.008	1
atom	826	115	H	"PD	H4	"	1	1.008	1
atom	827	116	H	"PD	H2	"	1	1.008	1
atom	841	120	C	"PN	C6-N6"		6	12.011	3
atom	842	102	C	"PN	C4	"	6	12.011	3
atom	843	102	C	"PN	C5	"	6	12.011	3
atom	844	108	N	"PN	N6	"	7	14.007	3
atom	845	102	C	"PN	C3	"	6	12.011	3
atom	846	104	C	"PN	C2	"	6	12.011	3
atom	847	111	N	"PN	N1	"	7	14.007	2
atom	848	115	H	"PN	H5	"	1	1.008	1
atom	849	117	H	"PN	H61	"	1	1.008	1
atom	850	115	H	"PN	H4	"	1	1.008	1
atom	851	115	H	"PN	H3	"	1	1.008	1
atom	852	116	H	"PN	H2	"	1	1.008	1
atom	861	104	C	"PO	C2	"	6	12.011	3
atom	862	106	C	"PO	C6	"	6	12.011	3
atom	863	102	C	"PO	C4	"	6	12.011	3
atom	864	109	N	"PO	N1	"	7	14.007	3
atom	865	104	C	"PO	C5	"	6	12.011	3
atom	866	102	C	"PO	C3	"	6	12.011	3
atom	867	118	H	"PO	H1	"	1	1.008	1
atom	868	115	H	"PO	H3	"	1	1.008	1
atom	869	116	H	"PO	H5	"	1	1.008	1
atom	870	113	O	"PO	O6	"	8	15.999	1
atom	871	116	H	"PO	H2	"	1	1.008	1
atom	872	115	H	"PO	H4	"	1	1.008	1
atom	881	102	C	"PI	C4	"	6	12.011	3
atom	882	104	C	"PI	C3	"	6	12.011	3
atom	883	104	C	"PI	C1	"	6	12.011	3
atom	884	111	N	"PI	N2	"	7	14.007	2
atom	885	116	H	"PI	H3	"	1	1.008	1
atom	886	115	H	"PI	H4	"	1	1.008	1
atom	887	116	H	"PI	H1	"	1	1.008	1
atom	901	105	C	"PR	C2	"	6	12.011	3
atom	902	103	C	"PR	C3	"	6	12.011	3
atom	903	110	N	"PR	N1	"	7	14.007	3

atom	904	118	H	"PR	H1	"	1	1.008	1
atom	905	115	H	"PR	H3	"	1	1.008	1
atom	906	116	H	"PR	H2	"	1	1.008	1
atom	921	101	C	"MP	C7-C3"		6	12.011	4
atom	922	102	C	"MP	C3	"	6	12.011	3
atom	923	102	C	"MP	C4	"	6	12.011	3
atom	924	104	C	"MP	C2	"	6	12.011	3
atom	925	102	C	"MP	C5	"	6	12.011	3
atom	926	104	C	"MP	C6	"	6	12.011	3
atom	927	111	N	"MP	N1	"	7	14.007	2
atom	928	114	H	"MP	H7	"	1	1.008	1
atom	929	115	H	"MP	H4	"	1	1.008	1
atom	930	116	H	"MP	H2	"	1	1.008	1
atom	931	115	H	"MP	H5	"	1	1.008	1
atom	932	116	H	"MP	H6	"	1	1.008	1
vdw	1	3.405	0.1100		"Water oxygen	"			
vdw	2	2.655	0.0135	0.91	"Water hydrogen	"			
vdw	41	3.020	0.2600		"Sodium	"			
vdw	42	3.710	0.3500		"Potassium	"			
vdw	43	2.940	0.3000		"Magnesium	"			
vdw	101	3.800	0.1010		"Methyl carbon	"			
vdw	102	3.790	0.1060		"Nonpolar 6-ring carbon	"			
vdw	103	3.790	0.1060		"Nonpolar 5-ring carbon	"			
vdw	104	3.740	0.1060		"Polar 6-ring carbon (&indole)	"			
vdw	105	3.740	0.1060		"Polar 5-ring carbon (&indole)	"			
vdw	106	3.720	0.0950		"Carboxyl carbon	"			
vdw	107	3.720	0.1120		"polycyclic linking carbon	"			
vdw	108	3.600	0.1240		"Amino nitrogen	"			
vdw	109	3.700	0.1270		"pyridinone nitrogen(6-ring)	"			
vdw	110	3.700	0.1270		"pyrrole nitrogen (5-ring)	"			
vdw	111	3.640	0.1270		"Pyridine nitrogen (6-ring)	"			
vdw	112	3.640	0.1270		"imidazole nonprotonized nitrogen	"			
vdw	113	3.350	0.1290		"Carboxyl oxygen	"			
vdw	114	2.900	0.0250	0.91	"Methyl hydrogen	"			
vdw	115	3.050	0.0290	0.91	"Hydrogen linked with nonpolar carbon	"			
vdw	116	3.080	0.0290	0.92	"Hydrogen linked with polar carbon	"			
vdw	117	2.650	0.0200	0.88	"Amino hydrogen	"			
vdw	118	2.650	0.0200	0.89	"Hydrogen linked with nitrogen on ring"	"			
vdw	119	3.720	0.1060		"Guanidine carbon	"			
vdw	120	3.720	0.1060		"Aminopyridine carbon	"			
vdwpr	41	111	3.387	0.240					
vdwpr	41	112	3.387	0.240					
vdwpr	42	111	3.676	0.290					
vdwpr	42	112	3.676	0.290					



vdwpr 43 111 3.364 0.215  
vdwpr 43 112 3.364 0.215  
vdwpr 43 113 3.172 0.182

bond 1 2 556.85 0.9572  
bond 102 102 405.0 1.394 "1"  
bond 103 103 405.0 1.414 "1"  
bond 102 104 390.0 1.381 "2"  
bond 102 120 390.0 1.420 "2"  
bond 103 105 390.0 1.377 "2"  
bond 104 106 420.0 1.445 "3"  
bond 104 104 420.0 1.353 "3"  
bond 105 105 420.0 1.377 "3"  
bond 104 107 340.0 1.399 "4"  
bond 107 120 340.0 1.406 "4"  
bond 106 107 340.0 1.437 "4"  
bond 105 107 380.0 1.425 "5"  
bond 101 102 336.0 1.498 "6"  
bond 101 105 336.0 1.493 "6"  
bond 101 104 360.0 1.493 "7"  
bond 101 109 360.0 1.456 "7"  
bond 101 110 390.0 1.448 "8"  
bond 107 107 268.0 1.404 "9"  
bond 107 111 340.0 1.350 "10"  
bond 107 110 340.0 1.370 "10"  
bond 107 112 460.0 1.372 "11"  
bond 102 108 420.0 1.397 "12"  
bond 108 120 420.0 1.355 "12"  
bond 108 119 420.0 1.361 "12"  
bond 104 109 400.0 1.362 "13"  
bond 109 119 400.0 1.366 "13"  
bond 104 111 400.0 1.334 "13"  
bond 111 119 400.0 1.310 "13"  
bond 111 120 400.0 1.326 "13"  
bond 105 110 400.0 1.367 "13"  
bond 105 112 478.0 1.335 "14"  
bond 106 111 478.0 1.369 "14"  
bond 106 109 325.0 1.397 "15"  
bond 106 113 530.0 1.224 "16"  
bond 102 115 408.0 1.080 "17"  
bond 104 115 408.0 1.080 "17"  
bond 103 115 418.0 1.076 "18"  
bond 104 116 405.0 1.081 "19"  
bond 105 116 420.0 1.076 "20"  
bond 101 114 384.0 1.087 "21"  
bond 108 117 540.0 1.004 "22"

bond 109 118 512.0 1.011 "23"  
bond 110 118 545.0 1.003 "24"

angle 2 1 2 48.7 108.50  
angle 102 102 102 83.6 119.96 "1"  
angle 104 104 104 83.6 119.96 "1"  
angle 102 102 104 112.0 118.85 "2"  
angle 102 102 120 112.0 118.66 "2"  
angle 104 102 120 112.0 116.50 "2"  
angle 104 102 104 112.0 116.90 "2"  
angle 103 103 105 112.0 107.44 "2"  
angle 105 105 107 108.0 106.96 "3"  
angle 104 104 107 108.0 118.08 "3"  
angle 104 107 107 42.0 120.63 "4"  
angle 105 107 107 42.0 106.97 "4"  
angle 107 107 120 42.0 115.90 "4"  
angle 106 107 107 42.0 118.49 "4"  
angle 107 107 110 60.0 105.88 "5"  
angle 107 107 112 60.0 111.38 "5"  
angle 107 107 111 60.0 128.40 "5"  
angle 107 120 111 60.0 119.30 "5"  
angle 107 120 108 32.0 122.40 "6"  
angle 102 102 108 32.0 120.63 "6"  
angle 102 120 108 32.0 119.50 "6"  
angle 108 119 109 32.0 117.10 "7"  
angle 102 104 106 130.0 122.28 "8"  
angle 104 104 106 130.0 118.99 "8"  
angle 102 104 109 130.0 120.74 "8"  
angle 104 104 109 130.0 123.56 "8"  
angle 104 111 104 128.0 117.03 "9"  
angle 104 111 120 128.0 118.67 "9"  
angle 106 111 120 128.0 120.30 "9"  
angle 104 111 107 128.0 110.86 "9"  
angle 107 111 119 128.0 111.66 "9"  
angle 105 112 105 128.0 104.86 "9"  
angle 105 112 107 128.0 103.47 "9"  
angle 105 110 107 42.0 106.50 "10"  
angle 105 110 105 42.0 108.56 "10"  
angle 101 110 107 42.0 126.38 "10"  
angle 101 110 105 42.0 127.74 "10"  
angle 104 107 105 90.0 134.28 "11"  
angle 104 107 110 90.0 130.34 "11"  
angle 112 107 120 90.0 132.47 "11"  
angle 106 107 112 90.0 130.37 "11"  
angle 110 107 111 90.0 126.37 "11"  
angle 103 105 110 130.0 108.10 "12"

angle	105	105	110	130.0	105.50	"12"
angle	105	105	112	120.0	110.62	"13"
angle	110	105	112	130.0	113.18	"14"
angle	111	106	113	135.0	124.73	"15"
angle	108	120	111	135.0	118.00	"15"
angle	108	119	111	135.0	119.25	"15"
angle	111	104	111	135.0	127.90	"15"
angle	102	104	111	60.0	123.28	"16"
angle	102	120	111	60.0	122.50	"16"
angle	109	119	111	60.0	123.65	"16"
angle	109	106	111	60.0	117.24	"16"
angle	109	106	109	60.0	113.94	"16"
angle	109	106	113	60.0	120.00	"16"
angle	107	106	113	85.0	131.17	"17"
angle	104	106	113	85.0	126.37	"17"
angle	104	106	109	45.0	113.34	"18"
angle	107	106	109	45.0	109.14	"18"
angle	106	109	106	125.0	128.52	"19"
angle	104	109	106	80.0	123.84	"20"
angle	106	109	119	80.0	127.19	"20"
angle	101	109	104	80.0	121.75	"20"
angle	101	109	106	80.0	116.14	"20"
angle	101	102	102	42.0	120.40	"21"
angle	101	102	104	42.0	121.31	"21"
angle	101	105	105	42.0	127.27	"21"
angle	101	105	107	42.0	126.54	"21"
angle	101	104	104	28.0	123.52	"22"
angle	101	104	106	28.0	118.28	"22"
angle	102	101	114	51.0	110.86	"23"
angle	105	101	114	51.0	111.10	"23"
angle	104	101	114	61.4	110.61	"24"
angle	109	101	114	51.0	109.41	"25"
angle	110	101	114	59.0	109.59	"26"
angle	114	101	114	34.5	109.06	"27"
angle	102	102	115	34.0	120.27	"28"
angle	104	104	115	34.0	120.27	"28"
angle	104	102	115	37.6	120.47	"29"
angle	115	102	120	37.6	121.50	"29"
angle	107	104	115	37.6	121.05	"29"
angle	107	103	115	37.6	127.41	"29"
angle	103	103	115	37.6	127.05	"29"
angle	105	103	115	37.6	125.55	"29"
angle	102	104	116	32.5	121.49	"30"
angle	104	104	116	32.5	121.46	"30"
angle	106	104	116	32.5	116.87	"30"
angle	109	104	116	40.0	115.75	"31"

angle	111	104	116	41.2	116.07	"32"
angle	103	105	116	27.0	130.87	"33"
angle	105	105	116	33.5	130.18	"34"
angle	110	105	116	41.0	121.27	"35"
angle	112	105	116	40.0	124.53	"36"
angle	102	108	117	41.5	120.00	"37"
angle	117	108	120	41.5	120.00	"37"
angle	117	108	119	41.5	120.00	"37"
angle	117	108	117	19.5	120.00	"38"
angle	118	109	119	32.8	119.77	"39"
angle	104	109	118	32.8	120.00	"39"
angle	106	109	118	43.5	114.97	"40"
angle	105	110	118	29.5	125.98	"41"
angle	107	110	118	34.2	126.32	"42"

ureybrad 2 1 2 -7.60 1.5326

opbend	115	102	102	102	10.3988
opbend	115	104	104	104	10.3988
opbend	102	102	102	115	4.7976
opbend	104	104	104	115	4.7976
opbend	108	102	102	102	13.3237
opbend	102	102	102	108	10.6473
opbend	116	104	111	111	10.9555
opbend	111	104	111	116	5.9111
opbend	108	120	107	111	12.7414
opbend	107	120	108	111	12.7414
opbend	110	107	107	111	5.8677
opbend	107	107	110	111	5.8677
opbend	112	107	107	120	7.9414
opbend	120	107	107	112	7.9414
opbend	101	110	105	107	8.1078
opbend	105	110	101	107	8.1078
opbend	111	107	107	110	5.8677
opbend	111	120	107	108	12.7414
opbend	107	107	112	120	7.9414
opbend	116	105	110	112	8.8783
opbend	110	105	112	116	8.8783
opbend	107	110	101	105	8.1078
opbend	112	105	110	116	8.8783
opbend	111	106	109	113	12.6170
opbend	113	106	109	111	70.6170
opbend	116	104	102	109	10.3143
opbend	102	104	109	116	10.3143
opbend	101	109	104	106	2.1668
opbend	104	109	101	106	2.1668

opbend	109	106	111	113	12.6170
opbend	102	120	108	111	12.5350
opbend	108	120	102	111	12.5350
opbend	115	102	104	120	10.2289
opbend	104	102	115	120	10.2289
opbend	111	120	102	108	12.5350
opbend	109	104	102	116	10.3143
opbend	106	109	101	104	2.1668
opbend	120	102	104	115	10.2289
opbend	111	119	108	109	12.4503
opbend	108	119	109	111	12.4503
opbend	113	106	107	109	13.1557
opbend	107	106	109	113	70.1557
opbend	118	109	106	119	7.0510
opbend	106	109	118	119	7.0510
opbend	109	119	108	111	12.4503
opbend	112	107	106	107	6.9193
opbend	106	107	107	112	6.9193
opbend	109	106	107	113	13.1557
opbend	119	109	106	118	7.0510
opbend	107	107	106	112	6.9193
opbend	116	105	103	110	10.7074
opbend	110	105	103	116	10.7074
opbend	104	107	105	107	8.8288
opbend	107	107	104	105	8.8288
opbend	115	103	105	107	11.0750
opbend	107	103	105	115	11.0750
opbend	118	110	105	107	8.3310
opbend	107	110	105	118	8.3310
opbend	105	103	107	115	11.0750
opbend	104	107	107	110	9.4422
opbend	110	107	104	107	9.4422
opbend	115	104	104	107	10.5182
opbend	104	104	107	115	10.5182
opbend	105	107	104	107	8.8288
opbend	105	110	107	118	8.3310
opbend	103	105	110	116	10.7074
opbend	107	107	104	110	9.4422
opbend	107	104	104	115	10.5182
opbend	105	110	101	105	9.0017
opbend	101	110	105	105	12.5008
opbend	116	105	105	110	11.9293
opbend	105	105	110	116	11.9293
opbend	116	105	105	112	11.8559
opbend	105	105	112	116	11.8559
opbend	112	105	105	116	11.8559

opbend	110	105	105	116	11.9293
opbend	107	105	101	105	12.3164
opbend	105	105	101	107	12.3164
opbend	101	105	105	107	12.3164
opbend	101	102	102	104	12.9967
opbend	102	102	101	104	12.9967
opbend	116	104	102	111	9.9686
opbend	102	104	111	116	9.9686
opbend	111	104	102	116	9.9686
opbend	104	102	101	102	12.9967
opbend	115	102	102	104	8.5991
opbend	104	102	102	115	8.5991
opbend	102	102	104	115	8.5991
opbend	104	106	109	113	12.6396
opbend	113	106	104	109	70.6396
opbend	109	106	104	113	12.6396
opbend	116	104	102	106	10.7488
opbend	106	104	102	116	10.7488
opbend	102	104	106	116	10.7488
opbend	115	102	102	120	11.5570
opbend	120	102	102	115	11.5570
opbend	102	102	115	120	11.5570
opbend	118	109	104	106	9.3521
opbend	106	109	104	118	9.3521
opbend	104	109	106	118	9.3521
opbend	115	102	104	104	13.1715
opbend	104	102	104	115	10.3430
opbend	118	110	105	105	11.6342
opbend	105	110	105	118	7.2684
opbend	115	103	103	105	12.1269
opbend	103	103	105	115	12.1269
opbend	105	103	103	115	12.1269
opbend	109	106	109	113	7.5000
opbend	113	106	109	109	71.0014
opbend	116	104	104	109	13.0459
opbend	104	104	109	116	13.0459
opbend	118	109	106	106	7.4693
opbend	106	109	106	118	7.4693
opbend	101	104	104	106	8.5038
opbend	104	104	101	106	8.5038
opbend	109	104	104	116	13.0459
opbend	106	104	101	104	8.5038
opbend	116	104	104	106	9.2838
opbend	104	104	106	116	9.2838
opbend	106	104	104	116	9.2838

torsion	102	102	102	102	0.000	0.0	1	8.1090	180.0	2	0.0000	0.0	3
torsion	104	104	104	104	0.000	0.0	1	8.1090	180.0	2	0.0000	0.0	3
torsion	102	102	102	115	0.000	0.0	1	4.4218	180.0	2	0.0000	0.0	3
torsion	104	104	104	115	0.000	0.0	1	4.4218	180.0	2	0.0000	0.0	3
torsion	102	102	102	108	0.000	0.0	1	3.9850	180.0	2	0.0000	0.0	3
torsion	108	102	102	115	0.000	0.0	1	4.7023	180.0	2	0.0000	0.0	3
torsion	115	102	102	115	0.000	0.0	1	3.9190	180.0	2	0.0000	0.0	3
torsion	115	104	104	115	0.000	0.0	1	3.9190	180.0	2	0.0000	0.0	3
torsion	111	104	111	107	0.000	0.0	1	7.2592	180.0	2	0.0000	0.0	3
torsion	111	120	107	107	0.000	0.0	1	4.2558	180.0	2	0.0000	0.0	3
torsion	111	120	107	112	0.000	0.0	1	3.7755	180.0	2	0.0000	0.0	3
torsion	104	111	120	107	0.000	0.0	1	9.5374	180.0	2	0.0000	0.0	3
torsion	104	111	120	108	0.000	0.0	1	11.9757	180.0	2	0.0000	0.0	3
torsion	104	111	107	107	0.000	0.0	1	10.5041	180.0	2	0.0000	0.0	3
torsion	104	111	107	110	0.000	0.0	1	11.4098	180.0	2	0.0000	0.0	3
torsion	111	104	111	120	0.000	0.0	1	7.7095	180.0	2	0.0000	0.0	3
torsion	111	107	107	120	0.000	0.0	1	3.5839	180.0	2	0.0000	0.0	3
torsion	111	107	107	112	0.000	0.0	1	2.7775	180.0	2	0.0000	0.0	3
torsion	111	107	110	105	0.000	0.0	1	3.0308	180.0	2	0.0000	0.0	3
torsion	111	107	110	101	0.000	0.0	1	2.5017	180.0	2	0.0000	0.0	3
torsion	111	107	110	118	0.000	0.0	1	2.5017	180.0	2	0.0000	0.0	3
torsion	107	111	104	116	0.000	0.0	1	14.6045	180.0	2	0.0000	0.0	3
torsion	107	107	120	108	0.000	0.0	1	9.8846	180.0	2	0.0000	0.0	3
torsion	107	107	112	105	0.000	0.0	1	20.1574	180.0	2	0.0000	0.0	3
torsion	107	110	105	112	0.000	0.0	1	26.4627	180.0	2	0.0000	0.0	3
torsion	107	110	105	116	0.000	0.0	1	3.5896	180.0	2	0.0000	0.0	3
torsion	107	107	110	105	0.000	0.0	1	14.1887	180.0	2	0.0000	0.0	3
torsion	107	107	110	101	0.000	0.0	1	3.5510	180.0	2	0.0000	0.0	3
torsion	107	112	105	110	0.000	0.0	1	26.3154	180.0	2	0.0000	0.0	3
torsion	107	112	105	116	0.000	0.0	1	7.6499	180.0	2	0.0000	0.0	3
torsion	120	111	104	116	0.000	0.0	1	13.7943	180.0	2	0.0000	0.0	3
torsion	120	107	107	110	0.000	0.0	1	3.6959	180.0	2	0.0000	0.0	3
torsion	120	107	112	105	0.000	0.0	1	3.4849	180.0	2	0.0000	0.0	3
torsion	108	120	107	112	0.000	0.0	1	3.7767	180.0	2	0.0000	0.0	3
torsion	112	107	107	110	0.000	0.0	1	12.6346	180.0	2	0.0000	0.0	3
torsion	112	105	110	101	0.000	0.0	1	3.0141	180.0	2	0.0000	0.0	3
torsion	112	105	110	118	0.000	0.0	1	3.0141	180.0	2	0.0000	0.0	3
torsion	116	105	110	101	0.000	0.0	1	2.0747	180.0	2	0.0000	0.0	3
torsion	109	106	111	120	0.000	0.0	1	3.7982	180.0	2	0.0000	0.0	3
torsion	109	104	102	120	0.000	0.0	1	8.8842	180.0	2	0.0000	0.0	3
torsion	109	104	102	115	0.000	0.0	1	5.0349	180.0	2	0.0000	0.0	3
torsion	106	109	104	102	0.000	0.0	1	3.9712	180.0	2	0.0000	0.0	3
torsion	106	109	104	116	0.000	0.0	1	5.8955	180.0	2	0.0000	0.0	3
torsion	106	111	120	108	0.000	0.0	1	17.5619	180.0	2	0.0000	0.0	3
torsion	106	111	120	102	0.000	0.0	1	3.8561	180.0	2	0.0000	0.0	3
torsion	113	106	109	104	0.000	0.0	1	3.2313	180.0	2	0.0000	0.0	3

torsion	113	106	109	101	0.000	0.0 1	10.3740	180.0 2	0.0000	0.0 3
torsion	113	106	111	120	0.000	0.0 1	17.6127	180.0 2	0.0000	0.0 3
torsion	111	106	109	104	0.000	0.0 1	3.7741	180.0 2	0.0000	0.0 3
torsion	111	106	109	101	0.000	0.0 1	4.2953	180.0 2	0.0000	0.0 3
torsion	111	106	109	118	0.000	0.0 1	4.2953	180.0 2	0.0000	0.0 3
torsion	111	120	102	104	0.000	0.0 1	8.7345	180.0 2	0.0000	0.0 3
torsion	111	120	102	115	0.000	0.0 1	4.0425	180.0 2	0.0000	0.0 3
torsion	120	102	104	116	0.000	0.0 1	4.7300	180.0 2	0.0000	0.0 3
torsion	108	120	102	104	0.000	0.0 1	4.7018	180.0 2	0.0000	0.0 3
torsion	108	120	102	115	0.000	0.0 1	4.1631	180.0 2	0.0000	0.0 3
torsion	102	104	109	101	0.000	0.0 1	6.8558	180.0 2	0.0000	0.0 3
torsion	101	109	104	116	0.000	0.0 1	4.9036	180.0 2	0.0000	0.0 3
torsion	115	102	104	116	0.000	0.0 1	3.3113	180.0 2	0.0000	0.0 3
torsion	109	119	111	107	0.000	0.0 1	4.8518	180.0 2	0.0000	0.0 3
torsion	109	106	107	107	0.000	0.0 1	7.9802	180.0 2	0.0000	0.0 3
torsion	109	106	107	112	0.000	0.0 1	3.8100	180.0 2	0.0000	0.0 3
torsion	119	109	106	107	0.000	0.0 1	3.6487	180.0 2	0.0000	0.0 3
torsion	119	109	106	113	0.000	0.0 1	3.7300	180.0 2	0.0000	0.0 3
torsion	119	111	107	107	0.000	0.0 1	7.8605	180.0 2	0.0000	0.0 3
torsion	119	111	107	110	0.000	0.0 1	13.8997	180.0 2	0.0000	0.0 3
torsion	108	119	109	106	0.000	0.0 1	3.9243	180.0 2	0.0000	0.0 3
torsion	108	119	109	118	0.000	0.0 1	9.8447	180.0 2	0.0000	0.0 3
torsion	108	119	111	107	0.000	0.0 1	16.9078	180.0 2	0.0000	0.0 3
torsion	111	119	109	106	0.000	0.0 1	3.8537	180.0 2	0.0000	0.0 3
torsion	111	119	109	118	0.000	0.0 1	3.9278	180.0 2	0.0000	0.0 3
torsion	111	107	107	106	0.000	0.0 1	3.5397	180.0 2	0.0000	0.0 3
torsion	107	107	106	113	0.000	0.0 1	6.0510	180.0 2	0.0000	0.0 3
torsion	107	106	109	118	0.000	0.0 1	3.8115	180.0 2	0.0000	0.0 3
torsion	106	107	107	110	0.000	0.0 1	3.5955	180.0 2	0.0000	0.0 3
torsion	106	107	112	105	0.000	0.0 1	3.4413	180.0 2	0.0000	0.0 3
torsion	113	106	109	118	0.000	0.0 1	10.4899	180.0 2	0.0000	0.0 3
torsion	113	106	107	112	0.000	0.0 1	3.8101	180.0 2	0.0000	0.0 3
torsion	105	105	110	107	0.000	0.0 1	26.0587	180.0 2	0.0000	0.0 3
torsion	105	105	110	118	0.000	0.0 1	3.0645	180.0 2	0.0000	0.0 3
torsion	105	107	107	110	0.000	0.0 1	3.9081	180.0 2	0.0000	0.0 3
torsion	105	107	107	104	0.000	0.0 1	3.4675	180.0 2	0.0000	0.0 3
torsion	105	107	104	104	0.000	0.0 1	3.3105	180.0 2	0.0000	0.0 3
torsion	105	107	104	115	0.000	0.0 1	3.2456	180.0 2	0.0000	0.0 3
torsion	105	105	107	107	0.000	0.0 1	16.0215	180.0 2	0.0000	0.0 3
torsion	105	105	107	104	0.000	0.0 1	3.2740	180.0 2	0.0000	0.0 3
torsion	105	110	107	104	0.000	0.0 1	3.2790	180.0 2	0.0000	0.0 3
torsion	107	105	105	110	0.000	0.0 1	26.1642	180.0 2	0.0000	0.0 3
torsion	107	105	105	116	0.000	0.0 1	3.5983	180.0 2	0.0000	0.0 3
torsion	107	107	110	118	0.000	0.0 1	3.6682	180.0 2	0.0000	0.0 3
torsion	107	107	104	104	0.000	0.0 1	3.7888	180.0 2	0.0000	0.0 3
torsion	107	107	104	115	0.000	0.0 1	3.6469	180.0 2	0.0000	0.0 3



torsion	107	104	104	104	0.000	0.0	1	11.2188	180.0	2	0.0000	0.0	3
torsion	107	104	104	115	0.000	0.0	1	4.6270	180.0	2	0.0000	0.0	3
torsion	107	107	105	115	0.000	0.0	1	3.7494	180.0	2	0.0000	0.0	3
torsion	102	107	103	115	0.000	0.0	1	3.0803	180.0	2	0.0000	0.0	3
torsion	104	107	107	110	0.000	0.0	1	3.5666	180.0	2	0.0000	0.0	3
torsion	104	107	107	104	0.000	0.0	1	3.7237	180.0	2	0.0000	0.0	3
torsion	110	105	103	115	0.000	0.0	1	3.5451	180.0	2	0.0000	0.0	3
torsion	110	107	104	104	0.000	0.0	1	3.4580	180.0	2	0.0000	0.0	3
torsion	110	107	104	115	0.000	0.0	1	3.3802	180.0	2	0.0000	0.0	3
torsion	104	107	110	118	0.000	0.0	1	3.0232	180.0	2	0.0000	0.0	3
torsion	115	103	105	116	0.000	0.0	1	2.7826	180.0	2	0.0000	0.0	3
torsion	115	105	105	116	0.000	0.0	1	2.7826	180.0	2	0.0000	0.0	3
torsion	116	105	110	118	0.000	0.0	1	2.3898	180.0	2	0.0000	0.0	3
torsion	105	110	105	105	0.000	0.0	1	26.0635	180.0	2	0.0000	0.0	3
torsion	105	110	105	116	0.000	0.0	1	3.4287	180.0	2	0.0000	0.0	3
torsion	105	112	105	105	0.000	0.0	1	26.0263	180.0	2	0.0000	0.0	3
torsion	105	112	105	116	0.000	0.0	1	6.2841	180.0	2	0.0000	0.0	3
torsion	110	105	112	105	0.000	0.0	1	26.1173	180.0	2	0.0000	0.0	3
torsion	110	105	105	112	0.000	0.0	1	19.2637	180.0	2	0.0000	0.0	3
torsion	110	105	105	116	0.000	0.0	1	3.8479	180.0	2	0.0000	0.0	3
torsion	101	110	105	105	0.000	0.0	1	3.6855	180.0	2	0.0000	0.0	3
torsion	112	105	110	105	0.000	0.0	1	26.1496	180.0	2	0.0000	0.0	3
torsion	112	105	105	116	0.000	0.0	1	3.4720	180.0	2	0.0000	0.0	3
torsion	116	105	105	116	0.000	0.0	1	3.3187	180.0	2	0.0000	0.0	3
torsion	101	105	105	110	0.000	0.0	1	3.7665	180.0	2	0.0000	0.0	3
torsion	101	105	105	116	0.000	0.0	1	3.7093	180.0	2	0.0000	0.0	3
torsion	101	105	107	107	0.000	0.0	1	3.7696	180.0	2	0.0000	0.0	3
torsion	101	105	107	104	0.000	0.0	1	3.7130	180.0	2	0.0000	0.0	3
torsion	104	111	104	102	0.000	0.0	1	7.0815	180.0	2	0.0000	0.0	3
torsion	104	111	104	116	0.000	0.0	1	11.3036	180.0	2	0.0000	0.0	3
torsion	104	102	102	102	0.000	0.0	1	8.8814	180.0	2	0.0000	0.0	3
torsion	104	102	102	115	0.000	0.0	1	3.9167	180.0	2	0.0000	0.0	3
torsion	111	104	102	102	0.000	0.0	1	8.2815	180.0	2	0.0000	0.0	3
torsion	111	104	102	101	0.000	0.0	1	4.8327	180.0	2	0.0000	0.0	3
torsion	111	104	102	115	0.000	0.0	1	4.2859	180.0	2	0.0000	0.0	3
torsion	102	102	104	116	0.000	0.0	1	3.6427	180.0	2	0.0000	0.0	3
torsion	102	102	102	101	0.000	0.0	1	3.9300	180.0	2	0.0000	0.0	3
torsion	116	104	102	101	0.000	0.0	1	3.9431	180.0	2	0.0000	0.0	3
torsion	115	102	102	101	0.000	0.0	1	3.8800	180.0	2	0.0000	0.0	3
torsion	104	109	106	104	0.000	0.0	1	3.1724	180.0	2	0.0000	0.0	3
torsion	104	102	102	104	0.000	0.0	1	9.0086	180.0	2	0.0000	0.0	3
torsion	109	104	102	102	0.000	0.0	1	13.7281	180.0	2	0.0000	0.0	3
torsion	109	106	104	102	0.000	0.0	1	3.4509	180.0	2	0.0000	0.0	3
torsion	109	106	104	116	0.000	0.0	1	9.1486	180.0	2	0.0000	0.0	3
torsion	113	106	104	102	0.000	0.0	1	3.4687	180.0	2	0.0000	0.0	3
torsion	113	106	104	116	0.000	0.0	1	4.7892	180.0	2	0.0000	0.0	3

torsion	102	102	104	106	0.000	0.0	1	3.9758	180.0	2	0.0000	0.0	3
torsion	104	106	109	101	0.000	0.0	1	3.7548	180.0	2	0.0000	0.0	3
torsion	106	104	102	115	0.000	0.0	1	3.8094	180.0	2	0.0000	0.0	3
torsion	104	111	120	102	0.000	0.0	1	3.8272	180.0	2	0.0000	0.0	3
torsion	111	120	102	102	0.000	0.0	1	3.7640	180.0	2	0.0000	0.0	3
torsion	102	104	111	120	0.000	0.0	1	4.5627	180.0	2	0.0000	0.0	3
torsion	102	102	102	120	0.000	0.0	1	9.4094	180.0	2	0.0000	0.0	3
torsion	108	120	102	102	0.000	0.0	1	3.8410	180.0	2	0.0000	0.0	3
torsion	120	102	102	115	0.000	0.0	1	3.9578	180.0	2	0.0000	0.0	3
torsion	102	104	109	118	0.000	0.0	1	3.5936	180.0	2	0.0000	0.0	3
torsion	104	106	109	118	0.000	0.0	1	3.6657	180.0	2	0.0000	0.0	3
torsion	116	104	109	118	0.000	0.0	1	3.5477	180.0	2	0.0000	0.0	3
torsion	111	104	111	104	0.000	0.0	1	4.6052	180.0	2	0.0000	0.0	3
torsion	111	104	102	104	0.000	0.0	1	7.1780	180.0	2	0.0000	0.0	3
torsion	104	102	104	116	0.000	0.0	1	3.7774	180.0	2	0.0000	0.0	3
torsion	105	110	105	103	0.000	0.0	1	26.0001	180.0	2	0.0000	0.0	3
torsion	105	103	103	105	0.000	0.0	1	25.0943	180.0	2	0.0000	0.0	3
torsion	105	103	103	115	0.000	0.0	1	3.6908	180.0	2	0.0000	0.0	3
torsion	110	105	103	103	0.000	0.0	1	19.2158	180.0	2	0.0000	0.0	3
torsion	103	103	105	116	0.000	0.0	1	3.6551	180.0	2	0.0000	0.0	3
torsion	115	103	103	115	0.000	0.0	1	3.6909	180.0	2	0.0000	0.0	3
torsion	109	106	109	106	0.000	0.0	1	3.5107	180.0	2	0.0000	0.0	3
torsion	109	106	109	118	0.000	0.0	1	3.8689	180.0	2	0.0000	0.0	3
torsion	109	104	104	106	0.000	0.0	1	3.9253	180.0	2	0.0000	0.0	3
torsion	109	104	104	101	0.000	0.0	1	10.2722	180.0	2	0.0000	0.0	3
torsion	106	109	104	104	0.000	0.0	1	7.1476	180.0	2	0.0000	0.0	3
torsion	106	109	106	113	0.000	0.0	1	3.5724	180.0	2	0.0000	0.0	3
torsion	106	109	106	104	0.000	0.0	1	3.6586	180.0	2	0.0000	0.0	3
torsion	109	106	109	104	0.000	0.0	1	3.8556	180.0	2	0.0000	0.0	3
torsion	109	106	109	101	0.000	0.0	1	3.9860	180.0	2	0.0000	0.0	3
torsion	109	106	104	104	0.000	0.0	1	3.8898	180.0	2	0.0000	0.0	3
torsion	109	106	104	101	0.000	0.0	1	9.4387	180.0	2	0.0000	0.0	3
torsion	106	104	104	116	0.000	0.0	1	3.6824	180.0	2	0.0000	0.0	3
torsion	113	106	104	104	0.000	0.0	1	3.8721	180.0	2	0.0000	0.0	3
torsion	113	106	104	101	0.000	0.0	1	4.6447	180.0	2	0.0000	0.0	3
torsion	104	104	109	101	0.000	0.0	1	3.9252	180.0	2	0.0000	0.0	3
torsion	104	104	109	118	0.000	0.0	1	3.9252	180.0	2	0.0000	0.0	3
torsion	101	104	104	116	0.000	0.0	1	4.0260	180.0	2	0.0000	0.0	3
torsion	109	104	104	116	0.000	0.0	1	3.9414	180.0	2	0.0000	0.0	3
torsion	116	104	104	116	0.000	0.0	1	3.6987	180.0	2	0.0000	0.0	3
torsion	102	102	108	117	0.000	0.0	1	0.5356	180.0	2	0.0000	0.0	3
torsion	111	120	108	117	0.000	0.0	1	0.6219	180.0	2	0.0000	0.0	3
torsion	107	120	108	117	0.000	0.0	1	1.8849	180.0	2	0.0000	0.0	3
torsion	102	120	108	117	0.000	0.0	1	2.0747	180.0	2	0.0000	0.0	3
torsion	109	119	108	117	0.000	0.0	1	1.0707	180.0	2	0.0000	0.0	3
torsion	111	119	108	117	0.000	0.0	1	1.3026	180.0	2	0.0000	0.0	3

torsion	107	110	101	114	0.000	0.0	1	0.0000	180.0	2	0.9425	0.0	3
torsion	105	110	101	114	0.000	0.0	1	1.8000	180.0	2	0.0000	0.0	3
torsion	106	109	101	114	0.000	0.0	1	2.4000	180.0	2	0.3674	0.0	3
torsion	104	109	101	114	0.000	0.0	1	2.4000	180.0	2	0.0000	0.0	3
torsion	105	105	101	114	0.000	0.0	1	2.3997	180.0	2	0.9309	0.0	3
torsion	107	105	101	114	0.000	0.0	1	2.4000	180.0	2	1.1998	0.0	3
torsion	104	102	101	114	0.000	0.0	1	1.6680	180.0	2	1.1529	0.0	3
torsion	102	102	101	114	0.000	0.0	1	2.4000	180.0	2	1.2000	0.0	3
torsion	106	104	101	114	0.000	0.0	1	0.2828	180.0	2	0.4939	0.0	3
torsion	104	104	101	114	0.000	0.0	1	2.4000	180.0	2	0.0000	0.0	3

pitors	102	102	4.000
pitors	102	104	4.000
pitors	104	104	4.000
pitors	102	120	4.000
pitors	107	120	4.000
pitors	102	107	4.000
pitors	107	107	4.000
pitors	103	103	6.000
pitors	103	105	6.000
pitors	105	105	6.000
pitors	103	107	6.000
pitors	107	110	6.000
pitors	105	110	6.000
pitors	104	106	3.000
pitors	107	106	3.000
pitors	106	109	3.000
pitors	104	109	3.000
pitors	119	109	3.000
pitors	102	108	2.500
pitors	120	108	6.000
pitors	119	108	4.000

polarize	101	0.8370	0.3900	102
polarize	102	0.4960	0.3900	101
polarize	41	0.1200	0.3900	
polarize	42	0.7800	0.3900	
polarize	43	0.0800	0.0952	
polarize	201	1.7500	0.3900	205 206 210
polarize	202	1.7500	0.3900	205 207 214
polarize	203	2.2500	0.3900	210 207 208
polarize	204	1.7500	0.3900	209 208 215
polarize	205	1.0730	0.3900	201 202 211
polarize	206	1.4500	0.3900	201 216
polarize	207	2.2500	0.3900	203 202 209
polarize	208	1.0730	0.3900	203 204 213

polarize	209	1.4500	0.3900 207 204
polarize	210	1.4500	0.3900 201 203
polarize	211	0.4960	0.3900 205
polarize	212	0.4960	0.3900 213
polarize	213	1.3340	0.3900 208 212
polarize	214	1.3000	0.3900 202
polarize	215	0.6960	0.3900 204
polarize	216	0.6960	0.3900 206
polarize	221	1.7500	0.3900 225 226 230
polarize	222	1.7500	0.3900 225 227 233
polarize	223	2.2500	0.3900 230 227 228
polarize	224	1.7500	0.3900 229 228 234
polarize	225	1.0730	0.3900 221 222 231
polarize	226	1.4500	0.3900 221 235
polarize	227	2.2500	0.3900 223 222 229
polarize	228	1.0730	0.3900 223 224 232
polarize	229	1.4500	0.3900 227 224
polarize	230	1.4500	0.3900 221 223
polarize	231	0.4960	0.3900 225
polarize	232	0.4960	0.3900 228
polarize	233	1.3000	0.3900 222
polarize	234	0.6960	0.3900 224
polarize	235	0.6960	0.3900 226
polarize	301	1.0730	0.3900 305 304 310
polarize	302	1.7500	0.3900 306 304 308
polarize	303	1.4500	0.3900 306 313
polarize	304	1.7500	0.3900 301 302 312
polarize	305	1.7500	0.3900 301 309 307
polarize	306	1.7500	0.3900 307 303 302
polarize	307	1.4500	0.3900 305 306
polarize	308	0.6960	0.3900 302
polarize	309	1.3000	0.3900 305
polarize	310	1.3340	0.3900 301 311
polarize	311	0.4960	0.3900 310
polarize	312	0.6960	0.3900 304
polarize	313	0.6960	0.3900 303
polarize	321	1.0730	0.3900 325 324 330
polarize	322	1.7500	0.3900 326 324 328
polarize	323	1.4500	0.3900 326 332
polarize	324	1.7500	0.3900 321 322 331
polarize	325	1.7500	0.3900 321 329 327
polarize	326	1.7500	0.3900 327 323 322
polarize	327	1.4500	0.3900 325 326
polarize	328	0.6960	0.3900 322
polarize	329	1.3000	0.3900 325
polarize	330	0.4960	0.3900 321

polarize	331	0.6960	0.3900 324
polarize	332	0.6960	0.3900 323
polarize	401	1.7500	0.3900 409 404 405
polarize	402	1.7500	0.3900 408 405 413
polarize	403	2.2500	0.3900 410 404 406
polarize	404	2.2500	0.3900 401 403 408
polarize	405	1.0730	0.3900 401 402 411
polarize	406	1.4500	0.3900 403 415
polarize	407	1.7500	0.3900 410 409 414
polarize	408	1.4500	0.3900 404 402
polarize	409	1.4500	0.3900 407 401
polarize	410	1.4500	0.3900 407 403
polarize	411	1.3340	0.3900 405 412
polarize	412	0.4960	0.3900 411
polarize	413	0.6960	0.3900 402
polarize	414	0.6960	0.3900 407
polarize	415	0.6960	0.3900 406
polarize	421	1.7500	0.3900 429 424 425
polarize	422	1.7500	0.3900 428 425 432
polarize	423	2.2500	0.3900 430 424 426
polarize	424	2.2500	0.3900 421 423 428
polarize	425	1.0730	0.3900 421 422 431
polarize	426	1.4500	0.3900 423 434
polarize	427	1.7500	0.3900 430 429 433
polarize	428	1.4500	0.3900 424 422
polarize	429	1.4500	0.3900 427 421
polarize	430	1.4500	0.3900 427 423
polarize	431	0.4960	0.3900 425
polarize	432	0.6960	0.3900 422
polarize	433	0.6960	0.3900 427
polarize	434	0.6960	0.3900 426
polarize	501	1.7500	0.3900 505 510 504
polarize	502	1.7500	0.3900 505 506 512
polarize	503	1.7500	0.3900 504 511 506
polarize	504	1.0730	0.3900 501 503 508
polarize	505	1.0730	0.3900 501 502 507
polarize	506	1.7500	0.3900 503 502 509
polarize	507	1.3340	0.3900 505 513
polarize	508	0.4960	0.3900 504
polarize	509	0.6960	0.3900 506
polarize	510	1.3000	0.3900 501
polarize	511	1.3000	0.3900 503
polarize	512	0.6960	0.3900 502
polarize	513	0.4960	0.3900 507
polarize	521	1.7500	0.3900 525 530 524
polarize	522	1.7500	0.3900 525 526 532

polarize	523	1.7500	0.3900	524	531	526
polarize	524	1.0730	0.3900	521	523	528
polarize	525	1.0730	0.3900	521	522	527
polarize	526	1.7500	0.3900	523	522	529
polarize	527	0.4960	0.3900	525		
polarize	528	0.4960	0.3900	524		
polarize	529	0.6960	0.3900	526		
polarize	530	1.3000	0.3900	521		
polarize	531	1.3000	0.3900	523		
polarize	532	0.6960	0.3900	522		
polarize	601	1.3340	0.3900	602	608	
polarize	602	1.7500	0.3900	603	604	601
polarize	603	1.7500	0.3900	606	611	602
polarize	604	1.7500	0.3900	605	602	610
polarize	605	1.0730	0.3900	607	604	613
polarize	606	1.0730	0.3900	607	603	612
polarize	607	1.7500	0.3900	605	609	606
polarize	608	0.4960	0.3900	601		
polarize	609	1.3000	0.3900	607		
polarize	610	0.6960	0.3900	604		
polarize	611	1.3000	0.3900	603		
polarize	612	0.4960	0.3900	606		
polarize	613	1.3340	0.3900	605	614	
polarize	614	0.4960	0.3900	613		
polarize	621	1.3340	0.3900	622	628	
polarize	622	1.7500	0.3900	623	624	621
polarize	623	1.7500	0.3900	626	631	622
polarize	624	1.7500	0.3900	625	622	630
polarize	625	1.0730	0.3900	627	624	633
polarize	626	1.0730	0.3900	627	623	632
polarize	627	1.7500	0.3900	625	629	626
polarize	628	0.4960	0.3900	621		
polarize	629	1.3000	0.3900	627		
polarize	630	0.6960	0.3900	624		
polarize	631	1.3000	0.3900	623		
polarize	632	0.4960	0.3900	626		
polarize	633	0.4960	0.3900	625		
polarize	701	1.7500	0.3900	701	702	
polarize	702	0.6960	0.3900	701		
polarize	721	1.7500	0.3900	723	724	
polarize	722	1.7500	0.3900	725	723	728
polarize	723	1.7500	0.3900	722	721	726
polarize	724	1.4500	0.3900	721	727	
polarize	725	1.7500	0.3900	722	729	
polarize	726	0.6960	0.3900	723		
polarize	727	0.6960	0.3900	724		

polarize	728	0.6960	0.3900 722
polarize	729	0.6960	0.3900 725
polarize	741	1.3340	0.3900 742 747
polarize	742	1.0730	0.3900 744 741 743
polarize	743	1.7500	0.3900 742 745 748
polarize	744	1.7500	0.3900 742 746 749
polarize	745	1.7500	0.3900 746 743 750
polarize	746	1.4500	0.3900 744 745
polarize	747	0.4960	0.3900 741
polarize	748	0.6960	0.3900 743
polarize	749	0.6960	0.3900 744
polarize	750	0.6960	0.3900 745
polarize	761	1.7500	0.3900 766 767 768
polarize	762	1.7500	0.3900 763 767 773
polarize	763	1.7500	0.3900 762 766 772
polarize	764	1.7500	0.3900 766 769 775
polarize	765	1.7500	0.3900 768 769 776
polarize	766	1.7500	0.3900 763 761 764
polarize	767	1.0730	0.3900 762 761 770
polarize	768	1.7500	0.3900 761 765 771
polarize	769	1.7500	0.3900 764 765 774
polarize	770	0.4960	0.3900 767
polarize	771	0.6960	0.3900 768
polarize	772	0.6960	0.3900 763
polarize	773	0.6960	0.3900 762
polarize	774	0.6960	0.3900 769
polarize	775	0.6960	0.3900 764
polarize	776	0.6960	0.3900 765
polarize	781	1.7500	0.3900 786 787 788
polarize	782	1.7500	0.3900 783 787 793
polarize	783	1.7500	0.3900 792 782 786
polarize	784	1.7500	0.3900 786 789 795
polarize	785	1.7500	0.3900 788 789 796
polarize	786	1.7500	0.3900 783 781 784
polarize	787	1.0730	0.3900 782 781 790
polarize	788	1.7500	0.3900 781 785 791
polarize	789	1.7500	0.3900 784 785 794
polarize	790	0.4960	0.3900 787
polarize	791	0.6960	0.3900 788
polarize	792	1.3340	0.3900 783 797
polarize	793	0.6960	0.3900 782
polarize	794	0.6960	0.3900 789
polarize	795	0.6960	0.3900 784
polarize	796	0.6960	0.3900 785
polarize	797	0.4960	0.3900 792
polarize	801	1.3340	0.3900 802 808

polarize	802	1.0730	0.3900 804 803 801
polarize	803	1.7500	0.3900 802 810 806
polarize	804	1.7500	0.3900 802 805 809
polarize	805	1.7500	0.3900 804 807 812
polarize	806	1.7500	0.3900 807 803 811
polarize	807	1.7500	0.3900 805 806 813
polarize	808	0.4960	0.3900 801
polarize	809	0.6960	0.3900 804
polarize	810	1.3000	0.3900 803
polarize	811	0.6960	0.3900 806
polarize	812	0.6960	0.3900 805
polarize	813	0.6960	0.3900 807
polarize	821	1.7500	0.3900 823 826
polarize	822	1.7500	0.3900 824 823 827
polarize	823	1.7500	0.3900 822 821 825
polarize	824	1.4500	0.3900 822
polarize	825	0.6960	0.3900 823
polarize	826	0.6960	0.3900 821
polarize	827	0.6960	0.3900 822
polarize	841	1.7500	0.3900 847 844 843
polarize	842	1.7500	0.3900 845 843 850
polarize	843	1.7500	0.3900 842 841 848
polarize	844	1.4500	0.3900 841 849
polarize	845	1.7500	0.3900 846 842 851
polarize	846	1.7500	0.3900 847 845 852
polarize	847	1.4500	0.3900 846 841
polarize	848	0.6960	0.3900 843
polarize	849	0.6960	0.3900 844
polarize	850	0.6960	0.3900 842
polarize	851	0.6960	0.3900 845
polarize	852	0.6960	0.3900 846
polarize	861	1.7500	0.3900 864 866 871
polarize	862	1.7500	0.3900 864 870 865
polarize	863	1.7500	0.3900 866 865 872
polarize	864	1.0730	0.3900 861 862 867
polarize	865	1.7500	0.3900 863 862 869
polarize	866	1.7500	0.3900 861 863 868
polarize	867	0.4960	0.3900 864
polarize	868	0.6960	0.3900 866
polarize	869	0.6960	0.3900 865
polarize	870	1.3000	0.3900 862
polarize	871	0.6960	0.3900 861
polarize	872	0.6960	0.3900 863
polarize	881	1.7500	0.3900 882 886
polarize	882	1.7500	0.3900 884 881 885
polarize	883	1.7500	0.3900 884 887



polarize	884	1.4500	0.3900	883	882	
polarize	885	0.6960	0.3900	882		
polarize	886	0.6960	0.3900	881		
polarize	887	0.6960	0.3900	883		
polarize	901	1.7500	0.3900	903	902	906
polarize	902	1.7500	0.3900	901	902	905
polarize	903	1.0730	0.3900	901	904	
polarize	904	0.4960	0.3900	903		
polarize	905	0.6960	0.3900	902		
polarize	906	0.6960	0.3900	901		
polarize	921	1.3340	0.3900	922	928	
polarize	922	1.7500	0.3900	924	923	921
polarize	923	1.7500	0.3900	922	925	929
polarize	924	1.7500	0.3900	927	922	930
polarize	925	1.7500	0.3900	923	926	931
polarize	926	1.7500	0.3900	927	925	932
polarize	927	1.4500	0.3900	924	926	
polarize	928	0.4960	0.3900	921		
polarize	929	0.6960	0.3900	923		
polarize	930	0.6960	0.3900	924		
polarize	931	0.6960	0.3900	925		
polarize	932	0.6960	0.3900	926		

multipole	101	-102	-102		-0.51966	
				0.00000	0.00000	0.14279
				0.37928		
				0.00000	-0.41809	
				0.00000	0.00000	0.03881
multipole	102	101	102		0.25983	
				-0.03859	0.00000	-0.05818
				-0.03673		
				0.00000	-0.10739	
				-0.00203	0.00000	0.14412
multipole	41	0	0		1.00000	
				0.00000	0.00000	0.00000
				0.00000		
				0.00000	0.00000	
				0.00000	0.00000	0.00000
multipole	42	0	0		1.00000	
				0.00000	0.00000	0.00000
				0.00000		
				0.00000	0.00000	
				0.00000	0.00000	0.00000
multipole	43	0	0		2.00000	
				0.00000	0.00000	0.00000

				0.00000		
				0.00000	0.00000	
				0.00000	0.00000	0.00000
multipole	201	205	206	0.81575		
				0.07393	0.00000	-0.07697
				-1.62256		
				0.00000	0.42511	
				0.47701	0.00000	1.19745
multipole	202	205	207	0.91682		
				-0.28939	0.00000	-0.03405
				-0.49481		
				0.00000	0.06805	
				0.30090	0.00000	0.42676
multipole	203	207	208	0.25636		
				-0.06429	0.00000	-0.39303
				-0.02366		
				0.00000	-0.11189	
				-0.68217	0.00000	0.13555
multipole	204	208	209	0.33548		
				0.26446	0.00000	0.19054
				-0.14954		
				0.00000	-0.63553	
				-0.24037	0.00000	0.78507
multipole	205	201	202	-0.46516		
				-0.20039	0.00000	-0.02958
				0.18319		
				0.00000	-0.31924	
				0.55206	0.00000	0.13605
multipole	206	201	216	-0.34777		
				0.00000	0.00000	0.09810
				-0.22674		
				0.00000	-0.22674	
				0.00000	0.00000	0.45348
multipole	207	202	203	-0.00139		
				-0.34214	0.00000	-0.25452
				0.57109		
				0.00000	0.08638	
				-0.46661	0.00000	-0.65747
multipole	208	203	204	-0.17932		
				-0.08149	0.00000	-0.11659
				0.69872		
				0.00000	-0.40461	
				0.44291	0.00000	-0.29411
multipole	209	204	207	-0.49075		
				0.19750	0.00000	0.34115
				-0.18411		

			0.00000	0.02266	
			-0.00528	0.00000	0.16145
multipole	210	201	203	-0.68515	
			0.30301	0.00000	0.07467
			0.27482		
			0.00000	0.10098	
			0.18985	0.00000	-0.37580
multipole	211	205	201	0.13360	
			-0.01556	0.00000	-0.29570
			0.16829		
			0.00000	0.14413	
			-0.17971	0.00000	-0.31242
multipole	212	213	208	0.06491	
			-0.00396	0.00000	-0.11693
			0.04574		
			0.00000	-0.00042	
			-0.04867	0.00000	-0.04532
multipole	213	208	212	-0.01030	
			0.00000	0.00000	0.34317
			-0.36773		
			0.00000	-0.36773	
			0.00000	0.00000	0.73546
multipole	214	202	205	-0.75414	
			-0.02651	0.00000	-0.22256
			-0.25663		
			0.00000	0.15963	
			-0.07481	0.00000	0.09700
multipole	215	204	208	0.03471	
			0.00549	0.00000	-0.20010
			0.02971		
			0.00000	0.08931	
			0.04294	0.00000	-0.11902
multipole	216	206	201	0.12326	
			-0.12194	0.00000	-0.40562
			0.04772		
			0.00000	0.25205	
			-0.10563	0.00000	-0.29977
multipole	221	225	226	0.81874	
			0.03746	0.00000	-0.09288
			-0.37650		
			0.00000	-0.40400	
			-0.07480	0.00000	0.78050
multipole	222	225	227	0.91793	
			-0.33358	0.00000	-0.02691
			-0.67138		
			0.00000	0.13304	

			0.15724	0.00000	0.53834
multipole	223	227	228	0.31757	
			-0.09971	0.00000	-0.35953
			0.09535		
			0.00000	-0.03634	
			-0.63546	0.00000	-0.05901
multipole	224	228	229	0.36746	
			0.27749	0.00000	0.18684
			-0.15776		
			0.00000	-0.44894	
			-0.05425	0.00000	0.60670
multipole	225	221	222	-0.46208	
			-0.25813	0.00000	-0.01449
			0.28677		
			0.00000	-0.30141	
			0.56835	0.00000	0.01464
multipole	226	221	225	-0.34638	
			0.00000	0.00000	-0.13104
			-0.11987		
			0.00000	-0.11987	
			0.00000	0.00000	0.23974
multipole	227	222	223	-0.02408	
			-0.34584	0.00000	-0.26852
			0.54151		
			0.00000	0.09371	
			-0.34266	0.00000	-0.63522
multipole	228	223	224	-0.18769	
			0.01484	0.00000	-0.05237
			0.39548		
			0.00000	-0.54090	
			0.24572	0.00000	0.14542
multipole	229	224	227	-0.48417	
			0.21742	0.00000	0.30739
			-0.38421		
			0.00000	0.02135	
			0.11947	0.00000	0.36286
multipole	230	221	223	-0.70132	
			0.18656	0.00000	0.06759
			-0.12214		
			0.00000	0.25576	
			0.06311	0.00000	-0.13362
multipole	231	225	221	0.13268	
			-0.02546	0.00000	-0.18033
			-0.13845		
			0.00000	0.10323	
			-0.00775	0.00000	0.03522

multipole	232	228	223	0.11747		
				0.01550	0.00000	-0.20952
				0.09284		
				0.00000	-0.02003	
multipole	233	222	225	-0.03016	0.00000	-0.07281
				-0.75024		
				0.02091	0.00000	-0.24838
				-0.31727		
multipole	234	224	228	0.00000	0.20424	
				0.01603	0.00000	0.11303
				0.03865		
				-0.01761	0.00000	-0.21396
multipole	235	226	221	0.22690		
				0.00000	-0.03733	
				-0.00819	0.00000	-0.18957
				0.12273		
multipole	301	304	305	0.01197	0.00000	-0.35252
				0.10589		
				0.00000	0.11249	
				0.15395	0.00000	-0.21838
multipole	302	304	306	-0.26877		
				-0.32065	0.00000	-0.03590
				-0.09750		
				0.00000	-0.73340	
multipole	303	306	313	0.66478	0.00000	0.83090
				-0.21855		
				-0.02433	0.00000	-0.04067
				0.07073		
multipole	304	301	302	0.00000	-0.29598	
				0.18324	0.00000	0.22525
				-0.26774		
				0.00000	0.00000	-0.14722
multipole	305	301	307	-0.20683		
				0.00000	-0.20683	
				0.00000	0.00000	0.41366
				0.21574		
multipole	306	302	303	0.02713	0.00000	0.38093
				-0.32457		
				0.00000	-0.21073	
				0.24767	0.00000	0.53530
multipole	306	302	303	0.99441		
				-0.20032	0.00000	-0.07584
				0.26825		
				0.00000	-0.16618	
multipole	306	302	303	-0.12141	0.00000	-0.10207
				0.63287		

			0.11720	0.00000	-0.36908
			-0.70790		
			0.00000	-0.09015	
			0.13248	0.00000	0.79805
multipole	307	305	306	-0.72673	
			0.11437	0.00000	0.27430
			-0.36580		
			0.00000	0.16860	
			-0.15967	0.00000	0.19720
multipole	308	302	304	0.03287	
			-0.02386	0.00000	-0.16869
			0.19235		
			0.00000	-0.04497	
			-0.11320	0.00000	-0.14738
multipole	309	305	301	-0.80802	
			-0.13691	0.00000	-0.17532
			-0.06093		
			0.00000	-0.00808	
			-0.25644	0.00000	0.06901
multipole	310	301	311	-0.02792	
			0.00000	0.00000	0.33316
			-0.43428		
			0.00000	-0.43428	
			0.00000	0.00000	0.86856
multipole	311	310	301	0.06675	
			0.01862	0.00000	-0.09587
			0.04474		
			0.00000	-0.00766	
			0.02315	0.00000	-0.03708
multipole	312	304	301	0.01925	
			0.00579	0.00000	-0.19218
			0.10120		
			0.00000	0.03689	
			0.06622	0.00000	-0.13809
multipole	313	303	306	0.11117	
			0.06785	0.00000	-0.34828
			0.25530		
			0.00000	0.00041	
			0.07371	0.00000	-0.25571
multipole	321	324	325	-0.29375	
			-0.22169	0.00000	0.08114
			0.15884		
			0.00000	-0.54399	
			0.35295	0.00000	0.38515
multipole	322	324	326	-0.17997	
			-0.00781	0.00000	-0.04852

				0.04156		
				0.00000	-0.19030	
				0.16462	0.00000	0.14874
multipole	323	326	322	-0.26002		
				0.00000	0.00000	-0.14511
				-0.19894		
				0.00000	-0.19894	
				0.00000	0.00000	0.39788
multipole	324	321	322	0.20747		
				-0.03878	0.00000	0.36204
				-0.32312		
				0.00000	-0.11302	
				0.34041	0.00000	0.43614
multipole	325	321	327	0.95806		
				-0.16480	0.00000	-0.07280
				-0.10828		
				0.00000	-0.04699	
				0.06873	0.00000	0.15527
multipole	326	322	323	0.63740		
				0.08699	0.00000	-0.37166
				-0.63423		
				0.00000	-0.08248	
				-0.01807	0.00000	0.71671
multipole	327	325	326	-0.71586		
				0.09561	0.00000	0.27173
				-0.33100		
				0.00000	0.13211	
				-0.22053	0.00000	0.19889
multipole	328	322	324	0.03343		
				-0.03061	0.00000	-0.17123
				0.17859		
				0.00000	-0.04393	
				-0.14363	0.00000	-0.13466
multipole	329	325	321	-0.75788		
				-0.08945	0.00000	-0.16368
				-0.25747		
				0.00000	0.10548	
				-0.08428	0.00000	0.15199
multipole	330	321	324	0.12409		
				-0.02100	0.00000	-0.17100
				0.07222		
				0.00000	-0.04888	
				-0.03871	0.00000	-0.02334
multipole	331	324	321	0.02320		
				-0.00443	0.00000	-0.21693
				0.16040		

			0.00000	0.03030	
			0.01098	0.00000	-0.19070
multipole	332	323	326	0.11192	
			0.06928	0.00000	-0.35356
			0.27693		
			0.00000	-0.01057	
			0.04148	0.00000	-0.26636
multipole	401	404	405	0.19705	
			0.05235	0.00000	-0.55644
			-0.17689		
			0.00000	0.07507	
			-0.26977	0.00000	0.10182
multipole	402	405	408	0.35474	
			0.27278	0.00000	0.17660
			-0.11495		
			0.00000	-0.52849	
			-0.24464	0.00000	0.64344
multipole	403	404	406	0.62323	
			0.04051	0.00000	-0.40121
			-0.16700		
			0.00000	-0.05202	
			0.14286	0.00000	0.21902
multipole	404	401	403	0.11018	
			-0.27451	0.00000	-0.16246
			-0.43024		
			0.00000	0.15634	
			0.11274	0.00000	0.27390
multipole	405	401	402	-0.20973	
			-0.12610	0.00000	-0.12528
			0.76769		
			0.00000	-0.55129	
			0.33957	0.00000	-0.21640
multipole	406	403	415	-0.30216	
			0.00000	0.00000	-0.23479
			-0.18214		
			0.00000	-0.18214	
			0.00000	0.00000	0.36428
multipole	407	409	410	0.53583	
			0.46262	0.00000	0.23806
			0.30445		
			0.00000	-0.30622	
			0.27296	0.00000	0.00177
multipole	408	402	404	-0.50058	
			0.27961	0.00000	0.29857
			-0.21774		
			0.00000	-0.20902	



				-0.22060	0.00000	0.42676
multipole	409	401	407	-0.59923		
				0.25112	0.00000	-0.03017
				0.05684		
				0.00000	0.03677	
				-0.42077	0.00000	-0.09361
multipole	410	403	407	-0.68218		
				0.26819	0.00000	-0.11771
				-0.22542		
				0.00000	0.23562	
				-0.49764	0.00000	-0.01020
multipole	411	405	412	-0.00693		
				0.00000	0.00000	0.35157
				-0.39970		
				0.00000	-0.39970	
				0.00000	0.00000	0.79940
multipole	412	411	405	0.06517		
				-0.00037	0.00000	-0.09516
				0.02288		
				0.00000	0.00138	
				0.00715	0.00000	-0.02426
multipole	413	402	405	0.03522		
				-0.00715	0.00000	-0.19094
				0.12022		
				0.00000	-0.00738	
				-0.01223	0.00000	-0.11284
multipole	414	407	409	0.01012		
				0.00378	0.00000	-0.20885
				0.29328		
				0.00000	-0.03702	
				0.01627	0.00000	-0.25626
multipole	415	406	403	0.11946		
				0.10111	0.00000	-0.36228
				0.30681		
				0.00000	0.00962	
				0.09733	0.00000	-0.31643
multipole	421	424	425	0.25551		
				0.03438	0.00000	-0.52100
				-0.11873		
				0.00000	0.21357	
				-0.29970	0.00000	-0.09484
multipole	422	425	428	0.39145		
				0.28902	0.00000	0.18428
				-0.11877		
				0.00000	-0.42200	
				-0.18038	0.00000	0.54077

multipole	423	424	426	0.62086		
				0.07297	0.00000	-0.39183
				-0.22328		
				0.00000	-0.04846	
				0.18822	0.00000	0.27174
multipole	424	421	423	0.07430		
				-0.28223	0.00000	-0.19444
				-0.36379		
				0.00000	0.15998	
				0.06600	0.00000	0.20381
multipole	425	421	422	-0.21021		
				-0.01369	0.00000	-0.06750
				0.38500		
				0.00000	-0.57962	
				0.18648	0.00000	0.19462
multipole	426	423	424	-0.30377		
				0.00000	0.00000	-0.24263
				-0.16435		
				0.00000	-0.16435	
				0.00000	0.00000	0.32870
multipole	427	429	430	0.53400		
				0.45685	0.00000	0.22685
				0.22235		
				0.00000	-0.31771	
				0.24860	0.00000	0.09536
multipole	428	422	424	-0.49162		
				0.29362	0.00000	0.27113
				-0.19155		
				0.00000	-0.19614	
				-0.20032	0.00000	0.38769
multipole	429	421	427	-0.61042		
				0.20935	0.00000	-0.07448
				-0.08800		
				0.00000	0.08740	
				-0.49350	0.00000	0.00060
multipole	430	423	427	-0.66828		
				0.28399	0.00000	-0.10253
				-0.21293		
				0.00000	0.24311	
				-0.47755	0.00000	-0.03018
multipole	431	425	421	0.11797		
				0.01740	0.00000	-0.20475
				0.07563		
				0.00000	-0.04068	
				0.00827	0.00000	-0.03495
multipole	432	422	425	0.03910		

				-0.01733	0.00000	-0.19685
				0.13434		
				0.00000	-0.01309	
				-0.02340	0.00000	-0.12125
multipole	433	427	429	0.01196		
				-0.00732	0.00000	-0.20455
				0.26152		
				0.00000	-0.03006	
				-0.01539	0.00000	-0.23146
multipole	434	426	423	0.11958		
				0.10113	0.00000	-0.36842
				0.30849		
				0.00000	0.02458	
				0.11191	0.00000	-0.33307
multipole	501	504	505	0.96728		
				-0.16517	0.00000	-0.11030
				-0.14243		
				0.00000	-0.19294	
				0.11920	0.00000	0.33537
multipole	502	505	506	0.20155		
				0.10244	0.00000	0.30074
				-0.12081		
				0.00000	-0.38422	
				-0.06545	0.00000	0.50503
multipole	503	504	506	0.85168		
				-0.22270	0.00000	-0.07763
				-0.00198		
				0.00000	-0.01706	
				-0.28197	0.00000	0.01904
multipole	504	501	503	-0.38069		
				-0.14505	0.00000	-0.04085
				0.47767		
				0.00000	-0.40383	
				0.32823	0.00000	-0.07384
multipole	505	501	502	-0.23462		
				-0.14082	0.00000	-0.22156
				1.07506		
				0.00000	-0.72568	
				-0.05660	0.00000	-0.34938
multipole	506	502	503	-0.30583		
				-0.17480	0.00000	-0.07381
				-0.09671		
				0.00000	-0.36088	
				0.02211	0.00000	0.45759
multipole	507	505	513	-0.02374		
				0.00000	0.00000	0.34261

				-0.41414		
				0.00000	-0.41414	
				0.00000	0.00000	0.82828
multipole	508	504	501	0.16490		
				0.00383	0.00000	-0.15117
				0.07794		
				0.00000	-0.04305	
				0.06224	0.00000	-0.03489
multipole	509	506	502	0.03819		
				-0.01137	0.00000	-0.19659
				0.13645		
				0.00000	0.01095	
				-0.04797	0.00000	-0.14740
multipole	510	501	504	-0.80827		
				0.04828	0.00000	-0.21537
				-0.20344		
				0.00000	0.08236	
				0.10174	0.00000	0.12108
multipole	511	503	504	-0.71662		
				-0.03231	0.00000	-0.16721
				-0.47288		
				0.00000	0.23591	
				-0.01906	0.00000	0.23697
multipole	512	502	505	0.03960		
				-0.00001	0.00000	-0.18599
				0.07673		
				0.00000	0.06769	
				0.06469	0.00000	-0.14442
multipole	513	507	505	0.06886		
				0.01351	0.00000	-0.10772
				0.06170		
				0.00000	-0.00169	
				0.02860	0.00000	-0.06001
multipole	521	524	525	0.93768		
				-0.12652	0.00000	-0.10131
				0.09787		
				0.00000	-0.01946	
				0.02482	0.00000	-0.07841
multipole	522	525	526	0.20728		
				0.07459	0.00000	0.28114
				-0.10404		
				0.00000	-0.31062	
				-0.04786	0.00000	0.41466
multipole	523	524	526	0.86006		
				-0.22203	0.00000	-0.07254
				-0.01012		

				0.00000	0.05741	
				-0.29813	0.00000	-0.04729
multipole	524	521	523		-0.40902	
				-0.23968	0.00000	-0.06096
				0.41436		
				0.00000	-0.42516	
				0.32122	0.00000	0.01080
multipole	525	521	522		-0.20783	
				0.10957	0.00000	-0.12506
				0.90350		
				0.00000	-0.76021	
				0.15320	0.00000	-0.14329
multipole	526	522	523		-0.30090	
				-0.16677	0.00000	-0.08722
				-0.09955		
				0.00000	-0.36155	
				0.00587	0.00000	0.46110
multipole	527	525	521		0.13224	
				0.00943	0.00000	-0.16554
				0.09221		
				0.00000	-0.05860	
				0.00405	0.00000	-0.03361
multipole	528	524	521		0.16466	
				-0.00781	0.00000	-0.16423
				0.12502		
				0.00000	-0.05113	
				-0.02459	0.00000	-0.07389
multipole	529	526	522		0.04056	
				-0.01500	0.00000	-0.19865
				0.13544		
				0.00000	0.01242	
				-0.05206	0.00000	-0.14786
multipole	530	521	524		-0.76121	
				0.00237	0.00000	-0.21491
				-0.37637		
				0.00000	0.18661	
				-0.00450	0.00000	0.18976
multipole	531	523	524		-0.70771	
				-0.03568	0.00000	-0.16034
				-0.47265		
				0.00000	0.21821	
				-0.01425	0.00000	0.25444
multipole	532	522	525		0.04419	
				-0.00462	0.00000	-0.20073
				0.10809		
				0.00000	0.05482	

				0.03712	0.00000	-0.16291
multipole	601	602	608	-0.12472		
				0.00000	0.00000	0.23414
				-0.16670		
				0.00000	-0.16670	
				0.00000	0.00000	0.33340
multipole	602	601	603	-0.32491		
				-0.11852	0.00000	0.38086
				0.04438		
				0.00000	-0.36513	
				0.61277	0.00000	0.32075
multipole	603	602	606	0.94792		
				-0.37385	0.00000	-0.16991
				0.27250		
				0.00000	-0.11690	
				-0.46630	0.00000	-0.15560
multipole	604	602	605	0.13457		
				0.28512	0.00000	-0.15252
				0.24926		
				0.00000	-0.37318	
				-0.29476	0.00000	0.12392
multipole	605	604	607	-0.21743		
				-0.24914	0.00000	0.02376
				0.00664		
				0.00000	-0.94689	
				0.72826	0.00000	0.94025
multipole	606	603	607	-0.37323		
				-0.03823	0.00000	-0.10180
				0.54796		
				0.00000	-0.43130	
				0.23181	0.00000	-0.11666
multipole	607	605	606	0.96217		
				-0.16525	0.00000	-0.11314
				0.36596		
				0.00000	-0.21822	
				-0.05615	0.00000	-0.14774
multipole	608	601	602	0.07468		
				0.01065	0.00000	-0.01558
				-0.01394		
				0.00000	-0.06177	
				0.02095	0.00000	0.07571
multipole	609	607	605	-0.81528		
				-0.05664	0.00000	-0.20927
				-0.13286		
				0.00000	0.05238	
				-0.06252	0.00000	0.08048

multipole	610	604	602	0.03316		
				0.00796	0.00000	-0.15603
				0.06552		
				0.00000	0.00785	
				-0.01504	0.00000	-0.07337
multipole	611	603	602	-0.79250		
				-0.09925	0.00000	-0.24004
				-0.27421		
				0.00000	0.16551	
				-0.12860	0.00000	0.10870
multipole	612	606	603	0.16411		
				0.00839	0.00000	-0.12442
				-0.09057		
				0.00000	0.00294	
				0.00693	0.00000	0.08763
multipole	613	605	614	-0.02240		
				0.00000	0.00000	0.34254
				-0.45434		
				0.00000	-0.45434	
				0.00000	0.00000	0.90868
multipole	614	613	605	0.06817		
				0.01117	0.00000	-0.05440
				-0.01890		
				0.00000	-0.02346	
				0.02521	0.00000	0.04236
multipole	621	622	623	-0.11881		
				0.00000	0.00000	0.24730
				-0.15585		
				0.00000	-0.15585	
				0.00000	0.00000	0.31170
multipole	622	621	623	-0.33527		
				-0.10850	0.00000	0.36898
				0.04105		
				0.00000	-0.11658	
				0.40291	0.00000	0.07553
multipole	623	622	626	0.96170		
				-0.36727	0.00000	-0.14237
				0.37426		
				0.00000	-0.03461	
				-0.43587	0.00000	-0.33965
multipole	624	622	625	0.15225		
				0.26004	0.00000	-0.13927
				0.16328		
				0.00000	-0.20353	
				-0.16363	0.00000	0.04025
multipole	625	624	627	-0.18300		

				0.00210	0.00000	0.18661
				0.57275		
				0.00000	-0.87412	
				0.67968	0.00000	0.30137
multipole	626	623	627	-0.41458		
				-0.15167	0.00000	-0.19216
				0.61127		
				0.00000	-0.34757	
				0.32104	0.00000	-0.26370
multipole	627	625	626	0.93227		
				-0.14103	0.00000	-0.08989
				0.09512		
				0.00000	-0.05736	
				0.04229	0.00000	-0.03776
multipole	628	621	622	0.07514		
				0.01119	0.00000	-0.10119
				0.07623		
				0.00000	0.00615	
				0.00643	0.00000	-0.08238
multipole	629	627	625	-0.76749		
				-0.00471	0.00000	-0.21543
				-0.39943		
				0.00000	0.19666	
				0.02809	0.00000	0.20277
multipole	630	624	622	0.03646		
				0.00761	0.00000	-0.17505
				-0.00697		
				0.00000	0.08875	
				-0.01275	0.00000	-0.08178
multipole	631	623	622	-0.78367		
				-0.11583	0.00000	-0.24862
				-0.30422		
				0.00000	0.18927	
				-0.19010	0.00000	0.11495
multipole	632	626	623	0.16387		
				0.01688	0.00000	-0.15393
				0.12054		
				0.00000	-0.06268	
				0.09060	0.00000	-0.05786
multipole	633	625	624	0.13085		
				-0.01168	0.00000	-0.17437
				0.13168		
				0.00000	-0.02448	
				-0.01236	0.00000	-0.10720
multipole	701	-701	-701	-0.00339		
				0.00000	0.00000	0.04018



				0.36511		
				0.00000	-0.60817	
				0.00000	0.00000	0.24306
multipole	702	701	701	0.00339		
				0.00000	0.00000	-0.08460
				-0.00618		
				0.00000	-0.04433	
				0.00011	0.00000	0.05051
multipole	721	-723	-723	0.18871		
				0.00000	0.00000	-0.27041
				1.25625		
				0.00000	1.20514	
				0.00000	0.00000	-2.46139
multipole	722	723	725	0.05122		
				0.11307	0.00000	0.03155
				0.38053		
				0.00000	-0.01197	
				-0.14152	0.00000	-0.36856
multipole	723	721	722	-0.05229		
				-0.04451	0.00000	-0.04621
				0.56320		
				0.00000	-0.21813	
				-0.32493	0.00000	-0.34507
multipole	724	721	723	-0.32004		
				0.00000	0.00000	0.36261
				-0.26832		
				0.00000	-0.26832	
				0.00000	0.00000	0.53664
multipole	725	-722	-722	-0.05693		
				0.00000	0.00000	-0.08974
				0.49396		
				0.00000	-0.23463	
				0.00000	0.00000	-0.25933
multipole	726	723	721	-0.00583		
				-0.00393	0.00000	-0.22577
				0.29369		
				0.00000	-0.03885	
				-0.01245	0.00000	-0.25484
multipole	727	724	721	0.10165		
				-0.21198	0.00000	-0.43594
				0.02658		
				0.00000	0.33535	
				-0.20316	0.00000	-0.36193
multipole	728	722	723	-0.00017		
				-0.00209	0.00000	-0.17354
				0.12539		

				0.00000	-0.04994	
				0.04183	0.00000	-0.07545
multipole	729	725	722	-0.00090		
				0.00064	0.00000	-0.20444
				0.18557		
				0.00000	-0.04214	
				0.00381	0.00000	-0.14343
multipole	741	742	747	0.00524		
				0.00000	0.00000	0.36733
				-0.38896		
				0.00000	-0.38896	
				0.00000	0.00000	0.77792
multipole	742	741	743	-0.16977		
				0.05847	0.00000	0.09093
				-0.02415		
				0.00000	-0.64164	
				-0.31387	0.00000	0.66579
multipole	743	742	745	-0.02449		
				-0.09374	0.00000	0.32111
				-0.30822		
				0.00000	-0.59277	
				0.00478	0.00000	0.90099
multipole	744	742	746	0.32585		
				0.29736	0.00000	0.18121
				-0.17797		
				0.00000	-0.56539	
				-0.20608	0.00000	0.74336
multipole	745	743	746	0.15415		
				0.24710	0.00000	-0.11741
				0.23871		
				0.00000	-0.35524	
				-0.18529	0.00000	0.11653
multipole	746	744	745	-0.53798		
				0.30833	0.00000	0.12361
				-0.07826		
				0.00000	-0.01216	
				-0.41712	0.00000	0.09042
multipole	747	741	742	0.05704		
				-0.01011	0.00000	-0.09070
				0.00135		
				0.00000	-0.00270	
				-0.03545	0.00000	0.00135
multipole	748	743	742	0.02966		
				-0.00806	0.00000	-0.19578
				0.13696		
				0.00000	-0.02172	

				-0.03459	0.00000	-0.11524
multipole	749	744	742	0.03110		
				-0.02143	0.00000	-0.18575
				0.09384		
				0.00000	-0.00066	
				-0.00603	0.00000	-0.09318
multipole	750	745	743	0.01512		
				-0.02891	0.00000	-0.18451
				0.13376		
				0.00000	-0.03743	
				-0.05496	0.00000	-0.09633
multipole	761	766	767	0.23411		
				-0.00510	0.00000	-0.01128
				0.80195		
				0.00000	-0.47588	
				-0.55662	0.00000	-0.32607
multipole	762	763	767	0.12768		
				0.36328	0.00000	-0.05643
				0.69527		
				0.00000	-0.74733	
				-0.03831	0.00000	0.05206
multipole	763	762	766	-0.14723		
				-0.04964	0.00000	-0.06003
				0.14763		
				0.00000	-0.30078	
				0.12126	0.00000	0.15315
multipole	764	766	769	-0.10872		
				-0.08672	0.00000	-0.16026
				0.08781		
				0.00000	-0.18249	
				-0.18263	0.00000	0.09468
multipole	765	768	769	-0.04568		
				-0.00248	0.00000	-0.04526
				-0.06663		
				0.00000	-0.32262	
				-0.09490	0.00000	0.38925
multipole	766	761	763	-0.02938		
				0.01325	0.00000	-0.14238
				-0.17632		
				0.00000	-0.08363	
				0.17993	0.00000	0.25995
multipole	767	761	762	-0.10196		
				0.24078	0.00000	0.00322
				0.90818		
				0.00000	-0.81643	
				0.43123	0.00000	-0.09175

multipole	768	761	765	-0.10511		
				-0.10248	0.00000	-0.06410
				0.02728		
				0.00000	-0.25425	
				-0.17552	0.00000	0.22697
multipole	769	764	765	0.07414		
				0.29050	0.00000	0.11658
				0.47698		
				0.00000	-0.43789	
				0.33507	0.00000	-0.03909
multipole	770	767	761	0.08455		
				0.01678	0.00000	-0.17867
				0.08375		
				0.00000	-0.08082	
				0.05304	0.00000	-0.00293
multipole	771	768	761	0.00074		
				0.00966	0.00000	-0.18014
				0.11309		
				0.00000	0.00884	
				0.02948	0.00000	-0.12193
multipole	772	763	762	0.00218		
				-0.02481	0.00000	-0.18766
				0.13829		
				0.00000	-0.02644	
				-0.07407	0.00000	-0.11185
multipole	773	762	763	0.02307		
				0.01408	0.00000	-0.19112
				0.14449		
				0.00000	0.02877	
				-0.00119	0.00000	-0.17326
multipole	774	769	764	-0.00008		
				0.00348	0.00000	-0.15119
				0.10420		
				0.00000	-0.01172	
				-0.01533	0.00000	-0.09248
multipole	775	764	766	-0.00918		
				0.00486	0.00000	-0.18404
				0.12484		
				0.00000	0.00046	
				0.02890	0.00000	-0.12530
multipole	776	765	768	0.00087		
				-0.00770	0.00000	-0.17515
				0.11476		
				0.00000	-0.00709	
				-0.04057	0.00000	-0.10767
multipole	781	786	787	0.26661		

				0.05485	0.00000	0.02081
				0.78995		
				0.00000	-0.62071	
				-0.48904	0.00000	-0.16924
multipole	782	783	787	0.10187		
				0.39424	0.00000	-0.05952
				0.70928		
				0.00000	-0.84334	
				-0.10745	0.00000	0.13406
multipole	783	792	782	-0.15485		
				0.04733	0.00000	0.39392
				-0.21979		
				0.00000	-0.26320	
				0.17727	0.00000	0.48299
multipole	784	786	789	-0.16966		
				-0.08399	0.00000	-0.25877
				0.23601		
				0.00000	-0.06393	
				-0.09679	0.00000	-0.17208
multipole	785	788	789	0.04042		
				0.20682	0.00000	0.07063
				0.29344		
				0.00000	-0.47458	
				0.19483	0.00000	0.18114
multipole	786	781	783	-0.00224		
				-0.07688	0.00000	-0.20616
				-0.21888		
				0.00000	0.02555	
				0.16455	0.00000	0.19333
multipole	787	781	782	-0.05861		
				0.33912	0.00000	0.02561
				0.95868		
				0.00000	-0.99849	
				0.44250	0.00000	0.03981
multipole	788	781	785	-0.10615		
				-0.10273	0.00000	-0.06872
				-0.01397		
				0.00000	-0.35272	
				-0.20154	0.00000	0.36669
multipole	789	784	785	-0.00713		
				0.09854	0.00000	0.00970
				0.09850		
				0.00000	-0.37314	
				0.04666	0.00000	0.27464
multipole	790	787	781	0.08364		
				0.00971	0.00000	-0.16751

				0.07728		
				0.00000	-0.09166	
				0.04413	0.00000	0.01438
multipole	791	788	781	0.00106		
				0.00788	0.00000	-0.17390
				0.08858		
				0.00000	0.02201	
				0.02753	0.00000	-0.11059
multipole	792	783	797	-0.19081		
				0.00000	0.00000	0.10521
				0.03287		
				0.00000	0.03287	
				0.00000	0.00000	-0.06574
multipole	793	782	783	0.01464		
				0.01666	0.00000	-0.16658
				0.01833		
				0.00000	0.04919	
				0.03210	0.00000	-0.06752
multipole	794	789	784	0.00099		
				-0.00222	0.00000	-0.16366
				0.09555		
				0.00000	-0.00516	
				-0.04728	0.00000	-0.09039
multipole	795	784	786	-0.00977		
				0.01598	0.00000	-0.19634
				0.19855		
				0.00000	-0.03925	
				-0.00185	0.00000	-0.15930
multipole	796	785	788	0.00090		
				-0.00370	0.00000	-0.14527
				0.08556		
				0.00000	-0.02176	
				-0.03185	0.00000	-0.06380
multipole	797	792	783	0.06303		
				0.02240	0.00000	-0.05867
				0.09360		
				0.00000	-0.06778	
				0.00928	0.00000	-0.02582
multipole	801	802	808	-0.04794		
				0.00000	0.00000	0.31922
				-0.38617		
				0.00000	-0.38617	
				0.00000	0.00000	0.77234
multipole	802	801	803	0.02283		
				-0.10369	0.00000	-0.33706
				-0.80252		

			0.00000	-1.45091	
			0.65217	0.00000	2.25343
multipole	803	802	806	0.72892	
			-0.48767	0.00000	-0.08421
			0.13991		
			0.00000	-0.21941	
			-0.81140	0.00000	0.07950
multipole	804	802	805	0.15922	
			0.00580	0.00000	0.33454
			-0.24385		
			0.00000	-0.48482	
			-0.22344	0.00000	0.72867
multipole	805	804	807	-0.14028	
			-0.00445	0.00000	-0.16264
			0.02803		
			0.00000	-0.24655	
			-0.39036	0.00000	0.21852
multipole	806	803	807	-0.16545	
			-0.03682	0.00000	-0.07353
			-0.03123		
			0.00000	-0.26281	
			-0.41812	0.00000	0.29404
multipole	807	805	806	-0.05683	
			-0.12341	0.00000	-0.01071
			-0.17888		
			0.00000	-0.02447	
			-0.37533	0.00000	0.20335
multipole	808	801	802	0.07099	
			0.03339	0.00000	-0.05095
			0.03409		
			0.00000	-0.05832	
			0.05623	0.00000	0.02423
multipole	809	804	802	0.01869	
			0.02119	0.00000	-0.18418
			0.04257		
			0.00000	0.04482	
			0.10593	0.00000	-0.08739
multipole	810	803	802	-0.81118	
			-0.09927	0.00000	-0.14962
			-0.24014		
			0.00000	0.02405	
			-0.16405	0.00000	0.21609
multipole	811	806	803	0.04592	
			0.02594	0.00000	-0.14044
			-0.01275		
			0.00000	0.01915	

			0.09652	0.00000	-0.00640
multipole	812	805	804	0.02117	
			-0.01155	0.00000	-0.17358
			0.08325		
			0.00000	-0.04032	
			-0.05833	0.00000	-0.04293
multipole	813	807	805	0.01197	
			-0.01617	0.00000	-0.19426
			0.13703		
			0.00000	-0.01088	
			0.02335	0.00000	-0.12615
multipole	821	-823	-823	-0.06009	
			0.00000	0.00000	-0.09060
			0.18658		
			0.00000	-0.05487	
			0.00000	0.00000	-0.13171
multipole	822	823	824	0.27669	
			0.24081	0.00000	-0.05814
			0.05855		
			0.00000	-0.29690	
			-0.14379	0.00000	0.23835
multipole	823	821	822	-0.04976	
			-0.08141	0.00000	0.05743
			-0.12229		
			0.00000	-0.13067	
			-0.14083	0.00000	0.25296
multipole	824	-822	-822	-0.43516	
			0.00000	0.00000	0.42130
			0.37260		
			0.00000	0.07266	
			0.00000	0.00000	-0.44526
multipole	825	823	821	0.01585	
			-0.00578	0.00000	-0.17638
			0.07475		
			0.00000	0.01206	
			-0.00929	0.00000	-0.08681
multipole	826	821	823	0.00280	
			0.00000	0.00000	-0.19439
			0.13522		
			0.00000	-0.00055	
			0.00000	0.00000	-0.13467
multipole	827	822	823	0.00345	
			-0.02701	0.00000	-0.18547
			0.15185		
			0.00000	-0.00064	
			-0.02659	0.00000	-0.15121



multipole	841	843	844	0.63538		
				-0.02768	0.00000	-0.31836
				0.18320		
				0.00000	-0.23606	
				-0.32022	0.00000	0.05286
multipole	842	843	845	-0.03090		
				-0.03009	0.00000	-0.06846
				-0.06060		
				0.00000	-0.01032	
				-0.13333	0.00000	0.07092
multipole	843	841	842	-0.10435		
				0.01103	0.00000	-0.07443
				0.08274		
				0.00000	-0.23715	
				-0.11495	0.00000	0.15441
multipole	844	841	847	-0.29113		
				0.01247	0.00000	-0.13005
				0.78797		
				0.00000	-0.93738	
				-0.04989	0.00000	0.14941
multipole	845	842	846	-0.10842		
				-0.08716	0.00000	0.05809
				-0.01124		
				0.00000	-0.22864	
				-0.13333	0.00000	0.23988
multipole	846	845	847	0.30101		
				0.28238	0.00000	-0.06755
				0.20254		
				0.00000	-0.32282	
				-0.18390	0.00000	0.12028
multipole	847	841	846	-0.63255		
				0.33288	0.00000	-0.00974
				-0.24963		
				0.00000	0.18456	
				-0.42718	0.00000	0.06507
multipole	848	843	841	0.01638		
				-0.00254	0.00000	-0.16756
				0.12755		
				0.00000	0.00219	
				0.02345	0.00000	-0.12974
multipole	849	844	841	0.10175		
				0.02886	0.00000	-0.19421
				0.16644		
				0.00000	-0.09389	
				0.07290	0.00000	-0.07255
multipole	850	842	843	-0.00033		

				-0.00063	0.00000	-0.19016
				0.10603		
				0.00000	-0.00551	
				-0.00895	0.00000	-0.10052
multipole	851	845	842	0.01296		
				-0.00172	0.00000	-0.17545
				0.08408		
				0.00000	0.00122	
				-0.00042	0.00000	-0.08530
multipole	852	846	845	-0.00155		
				-0.02583	0.00000	-0.19546
				0.17825		
				0.00000	-0.00030	
				-0.01363	0.00000	-0.17795
multipole	861	864	866	0.17345		
				0.00038	0.00000	0.30850
				-0.22781		
				0.00000	-0.38936	
				-0.11088	0.00000	0.61717
multipole	862	864	865	0.79576		
				-0.31295	0.00000	-0.13414
				-0.07914		
				0.00000	-0.19793	
				-0.66593	0.00000	0.27707
multipole	863	865	866	-0.07049		
				-0.04629	0.00000	-0.07419
				-0.38723		
				0.00000	0.10748	
				-0.35888	0.00000	0.27975
multipole	864	861	862	-0.00223		
				0.35210	0.00000	0.39517
				1.00043		
				0.00000	-1.08775	
				1.00218	0.00000	0.08732
multipole	865	862	863	-0.24990		
				-0.08559	0.00000	-0.16792
				0.13793		
				0.00000	-0.27625	
				-0.37216	0.00000	0.13832
multipole	866	861	863	-0.13147		
				0.02059	0.00000	-0.17050
				0.06387		
				0.00000	-0.27365	
				-0.36088	0.00000	0.20978
multipole	867	864	861	0.12038		
				-0.02904	0.00000	-0.12468

				0.04043		
				0.00000	-0.01453	
				-0.00746	0.00000	-0.02590
multipole	868	866	861	0.02402		
				-0.01830	0.00000	-0.18248
				0.09795		
				0.00000	-0.01979	
				-0.05091	0.00000	-0.07816
multipole	869	865	862	0.04992		
				0.01741	0.00000	-0.16127
				0.12367		
				0.00000	-0.00742	
				0.05926	0.00000	-0.11625
multipole	870	862	864	-0.77364		
				-0.02323	0.00000	-0.16931
				-0.51620		
				0.00000	0.21856	
				0.01376	0.00000	0.29764
multipole	871	861	864	0.02337		
				0.00649	0.00000	-0.20478
				0.11581		
				0.00000	0.02280	
				0.02902	0.00000	-0.13861
multipole	872	863	865	0.04083		
				0.01699	0.00000	-0.16229
				0.05985		
				0.00000	-0.00558	
				-0.02012	0.00000	-0.05427
multipole	881	-882	-882	-0.08486		
				0.00000	0.00000	-0.08097
				0.24706		
				0.00000	-0.10835	
				0.00000	0.00000	-0.13871
multipole	882	881	884	0.25261		
				0.17096	0.00000	-0.14789
				-0.02070		
				0.00000	-0.01786	
				-0.38010	0.00000	0.03856
multipole	883	-884	-884	0.46779		
				0.00000	0.00000	0.32527
				0.39770		
				0.00000	-0.17571	
				0.00000	0.00000	-0.22199
multipole	884	882	883	-0.47365		
				0.23267	0.00000	0.16080
				-0.30698		

			0.00000	0.03298	
			-0.50639	0.00000	0.27400
multipole	885	882	881	0.00629	
				-0.02611	0.00000
					-0.20205
				0.15156	
				0.00000	-0.01207
				-0.02017	0.00000
					-0.13949
multipole	886	881	882	0.02631	
				0.00051	0.00000
					-0.18349
				0.07391	
				0.00000	0.03493
				0.00161	0.00000
					-0.10884
multipole	887	883	884	0.02027	
				0.00004	0.00000
					-0.19843
				0.13808	
				0.00000	0.01151
				0.00020	0.00000
					-0.14959
multipole	901	902	903	0.05092	
				0.32837	0.00000
					-0.08100
				0.72708	
				0.00000	-0.62046
				-0.12969	0.00000
					-0.10662
multipole	902	901	902	-0.08020	
				0.01232	0.00000
					-0.02888
				0.15120	
				0.00000	-0.35521
				0.03213	0.00000
					0.20401
multipole	903	-901	-901	-0.06874	
				0.00000	0.00000
					0.16328
				0.06523	
				0.00000	-0.78838
				0.00000	0.00000
					0.72315
multipole	904	903	901	0.08340	
				0.00000	0.00000
					-0.19879
				0.05385	
				0.00000	-0.04779
				0.00000	0.00000
					-0.00606
multipole	905	902	901	0.00214	
				-0.01227	0.00000
					-0.18908
				0.11520	
				0.00000	-0.01271
				-0.03898	0.00000
					-0.10249
multipole	906	901	902	0.01981	
				0.01652	0.00000
					-0.18971
				0.14941	
				0.00000	-0.02905

				0.01944	0.00000	-0.12036
multipole	921	922	928	-0.15672		
				0.00000	0.00000	0.22199
				-0.10904		
				0.00000	-0.10904	
				0.00000	0.00000	0.21808
multipole	922	921	923	-0.04447		
				0.11992	0.00000	0.18145
				0.04379		
				0.00000	-0.11709	
				-0.24173	0.00000	0.07330
multipole	923	922	925	-0.11088		
				-0.13397	0.00000	-0.09960
				-0.08610		
				0.00000	-0.11228	
				-0.16445	0.00000	0.19838
multipole	924	922	927	0.26234		
				0.20443	0.00000	-0.05181
				-0.02179		
				0.00000	-0.37292	
				-0.32538	0.00000	0.39471
multipole	925	923	926	-0.03814		
				-0.08137	0.00000	0.07590
				-0.21524		
				0.00000	-0.13520	
				-0.14031	0.00000	0.35044
multipole	926	925	927	0.26627		
				0.25511	0.00000	-0.05893
				0.03414		
				0.00000	-0.39585	
				-0.22754	0.00000	0.36171
multipole	927	924	926	-0.38760		
				0.45201	0.00000	0.27984
				-0.11451		
				0.00000	-0.06067	
				-0.40729	0.00000	0.17518
multipole	928	921	922	0.07298		
				0.00806	0.00000	-0.06436
				0.04746		
				0.00000	-0.03430	
				-0.00957	0.00000	-0.01316
multipole	929	923	922	-0.01525		
				-0.00507	0.00000	-0.20320
				0.09949		
				0.00000	0.02296	
				-0.02241	0.00000	-0.12245

multipole	930	924	922	-0.01084		
				-0.03148	0.00000	-0.17277
				0.07010		
				0.00000	0.02491	
				0.01197	0.00000	-0.09501
multipole	931	925	923	0.01273		
				-0.00549	0.00000	-0.16865
				0.07426		
				0.00000	-0.01220	
				-0.02855	0.00000	-0.06206
multipole	932	926	925	0.00362		
				-0.02997	0.00000	-0.17373
				0.12896		
				0.00000	-0.01326	
				-0.03903	0.00000	-0.11570