

*****Mg2Si FCC *****

PARAMETERS

A= 6.3000 B= 6.3000 C= 6.3000
 AF= 90.000 BT= 90.000 GM= 90.000
 NUVW= 8 NSY= 1 NL= 1
 SY: 1-CUBIC; 2-TETRA; 3-ORTH; 4-HEX; 5-MONO; 6-TRIC
 LT: 1-F; 2-I; 3-C; 4-B; 5-A; 6-P; 7-R;

K	U	V	W	H1	K1	L1	H2	K2	L2	R2/R1	R3/R1	FAI	D1	D2
1	1	1	1	0	2	-2	-2	0	2	1.000	1.000	120.00	2.227	2.227
2	6	5	3	-1	3	-3	-3	3	1	1.000	1.026	61.73	1.445	1.445
3	6	5	2	-2	4	-4	-4	4	2	1.000	1.054	63.61	1.050	1.050
4	4	2	1	0	2	-4	-2	4	0	1.000	1.095	66.42	1.409	1.409
5	1	1	0	-1	1	-1	-1	1	1	1.000	1.155	70.53	3.637	3.637
6	5	2	1	1	-3	1	1	-1	-3	1.000	1.348	84.78	1.900	1.900
7	1	0	0	0	-2	0	0	0	-2	1.000	1.414	90.00	3.150	3.150
8	5	3	1	2	-4	2	2	-2	-4	1.000	1.291	80.41	1.286	1.286
9	7	6	3	-3	3	1	0	-2	4	1.026	1.357	95.89	1.445	1.409
10	7	6	2	4	-4	-2	0	2	-6	1.054	1.374	83.95	1.050	.996
11	4	3	2	2	0	-4	-2	4	-2	1.095	1.342	79.48	1.409	1.286
12	7	6	5	-3	1	3	2	-4	2	1.124	1.357	100.80	1.445	1.286
13	4	1	1	0	-2	2	1	-3	-1	1.173	1.173	64.76	2.227	1.900
14	3	3	2	2	-2	0	1	1	-3	1.173	1.541	90.00	2.227	1.900
15	8	7	3	3	-3	-1	1	1	-5	1.192	1.376	77.25	1.445	1.212
16	7	6	4	4	-2	-4	0	4	-6	1.202	1.247	68.30	1.050	.874
17	6	4	1	2	-2	-4	-2	4	-4	1.225	1.472	82.18	1.286	1.050
18	8	7	2	-4	4	2	2	-4	6	1.247	1.374	105.50	1.050	.842
19	8	6	5	4	-2	-4	-2	6	-4	1.247	1.528	95.11	1.050	.842
20	7	3	1	-2	4	2	0	-2	6	1.291	1.528	82.58	1.286	.996
21	6	3	1	1	-1	-3	-1	3	-3	1.314	1.348	69.77	1.900	1.445
22	5	4	3	1	1	-3	-3	3	1	1.314	1.477	101.98	1.900	1.445
23	6	2	1	0	2	-4	-2	4	4	1.342	1.414	107.35	1.409	1.050
24	5	4	2	0	2	-4	-4	4	2	1.342	1.673	90.00	1.409	1.050
25	7	2	1	1	-3	-1	0	2	-4	1.348	1.567	97.75	1.900	1.409
26	6	3	2	-2	4	0	-2	0	6	1.414	1.612	81.87	1.409	.996
27	8	3	2	-2	4	2	0	-4	6	1.472	1.683	96.50	1.286	.874
28	6	5	4	2	-4	2	4	0	-6	1.472	1.683	96.50	1.286	.874
29	7	4	1	1	-1	-3	-2	4	-2	1.477	1.784	90.00	1.900	1.286
30	7	3	2	1	-3	1	2	-2	-4	1.477	1.567	75.75	1.900	1.286
31	7	5	1	-2	2	4	4	-6	2	1.528	1.528	109.11	1.286	.842
32	7	5	3	2	-4	2	4	-2	-6	1.528	1.732	83.74	1.286	.842
33	4	3	3	0	2	-2	-3	1	3	1.541	1.541	108.93	2.227	1.445
34	6	1	1	0	2	-2	-1	3	3	1.541	1.837	90.00	2.227	1.445
35	8	3	1	-1	3	-1	-1	1	5	1.567	1.809	93.33	1.900	1.212
36	2	2	1	2	-2	0	0	2	-4	1.581	1.581	108.43	2.227	1.409
37	6	4	3	2	0	-4	-4	6	0	1.612	1.673	104.36	1.409	.874
38	2	1	1	1	-1	-1	0	2	-2	1.633	1.915	90.00	3.637	2.227
39	3	1	0	0	0	-2	-1	3	1	1.658	1.658	107.55	3.150	1.900
40	8	2	1	0	2	-4	-2	6	4	1.673	1.844	96.86	1.409	.842
41	7	4	2	0	2	-4	-4	6	2	1.673	1.844	83.14	1.409	.842
42	8	5	2	2	-4	2	2	0	-8	1.683	1.683	107.28	1.286	.764
43	8	6	1	2	-2	-4	-4	6	-4	1.683	1.871	95.68	1.286	.764
44	3	1	1	0	-2	2	2	-4	-2	1.732	1.732	73.22	2.227	1.286
45	7	5	4	1	1	-3	-3	5	-1	1.784	1.809	75.24	1.900	1.065
46	8	5	1	1	-1	-3	-3	5	-1	1.784	1.809	104.76	1.900	1.065
47	5	5	2	2	-2	0	1	1	-5	1.837	2.092	90.00	2.227	1.212
48	8	4	1	2	-4	0	0	2	-8	1.844	1.897	102.53	1.409	.764
49	8	4	3	-2	4	0	-2	-2	8	1.897	2.049	96.05	1.409	.742

50	8	7	6	2	-4	2	6	0	-8	2.041	2.198	94.68	1.286	.630
51	8	5	4	2	0	-4	-4	8	-2	2.049	2.280	90.00	1.409	.687
52	8	1	1	0	2	-2	-1	3	5	2.092	2.092	103.83	2.227	1.065
53	5	5	4	-2	2	0	-3	-1	5	2.092	2.092	76.17	2.227	1.065
54	8	6	3	0	2	-4	-6	6	4	2.098	2.236	95.47	1.409	.672
55	3	2	2	0	2	-2	-4	2	4	2.121	2.121	103.63	2.227	1.050
56	8	7	5	1	1	-3	-5	5	1	2.153	2.256	97.28	1.900	.882
57	3	3	1	2	-2	0	0	2	-6	2.236	2.236	102.92	2.227	.996
58	2	1	0	0	0	-2	-2	4	0	2.236	2.449	90.00	3.150	1.409
59	8	7	4	-2	0	4	6	-8	2	2.280	2.408	95.03	1.409	.618
60	8	3	3	0	-2	2	3	-5	-3	2.318	2.318	77.55	2.227	.961
61	6	5	5	0	2	-2	-5	3	3	2.318	2.525	90.00	2.227	.961
62	3	2	1	1	-1	-1	-1	3	-3	2.517	2.582	97.61	3.637	1.445
63	7	7	2	2	-2	0	1	1	-7	2.525	2.716	90.00	2.227	.882
64	5	1	0	0	0	-2	-1	5	1	2.598	2.598	101.10	3.150	1.212
65	5	1	1	0	-2	2	2	-6	-4	2.646	2.646	79.11	2.227	.842
66	7	7	4	-2	2	0	-3	-1	7	2.716	2.716	79.39	2.227	.820
67	8	5	5	0	2	-2	-5	3	5	2.716	2.716	100.61	2.227	.820
68	7	7	6	-2	2	0	-3	-3	7	2.894	3.062	90.00	2.227	.770
69	5	2	2	0	-2	2	4	-6	-4	2.915	2.915	80.13	2.227	.764
70	4	4	1	2	-2	0	0	2	-8	2.915	2.915	99.87	2.227	.764
71	5	3	0	0	0	-2	-3	5	1	2.958	2.958	99.73	3.150	1.065
72	8	7	7	0	2	-2	-7	5	3	3.221	3.221	81.07	2.227	.692
73	4	4	3	2	-2	0	2	4	-8	3.240	3.240	98.88	2.227	.687
74	5	3	3	0	2	-2	-6	4	6	3.317	3.317	98.67	2.227	.672
75	4	3	1	1	-1	-1	-1	3	-5	3.416	3.464	84.40	3.637	1.065
76	7	1	0	0	0	-2	-1	7	1	3.571	3.571	98.05	3.150	.882
77	5	5	1	2	-2	0	2	0	-10	3.606	3.606	82.03	2.227	.618
78	7	1	1	0	-2	2	2	-6	-8	3.606	3.606	97.97	2.227	.618
79	3	2	0	0	0	-2	-4	6	0	3.606	3.742	90.00	3.150	.874
80	7	2	2	0	2	-2	-4	6	8	3.808	3.808	97.55	2.227	.585
81	5	4	4	0	2	-2	-8	4	6	3.808	3.808	97.55	2.227	.585
82	7	3	0	0	0	-2	-3	7	1	3.841	3.841	97.48	3.150	.820
83	5	5	3	-2	2	0	-2	-4	10	3.873	3.873	97.42	2.227	.575
84	7	3	3	0	-2	2	6	-8	-6	4.123	4.123	83.03	2.227	.540
85	5	3	2	1	-1	-1	-1	5	-5	4.123	4.163	94.64	3.637	.882
86	4	1	0	0	0	-2	-2	8	0	4.123	4.243	90.00	3.150	.764
87	6	6	1	2	-2	0	2	0	-12	4.301	4.301	83.32	2.227	.518
88	5	4	1	1	-1	-1	-2	4	-6	4.320	4.435	90.00	3.637	.842
89	7	5	0	0	0	-2	-5	7	1	4.330	4.330	96.63	3.150	.727
90	4	3	0	0	0	-2	-6	8	0	5.000	5.099	90.00	3.150	.630
91	6	5	1	1	-1	-1	-3	5	-7	5.260	5.292	93.63	3.637	.692
92	5	2	0	0	0	-2	-4	10	0	5.385	5.477	90.00	3.150	.585
93	7	4	3	1	-1	-1	-1	7	-7	5.745	5.774	93.33	3.637	.633
94	7	5	2	1	-1	-1	-2	6	-8	5.888	5.972	90.00	3.637	.618
95	6	1	0	0	0	-2	-2	12	0	6.083	6.164	90.00	3.150	.518
96	7	6	1	1	-1	-1	-3	5	-9	6.191	6.218	86.91	3.637	.587
97	8	5	3	1	-1	-1	-1	7	-9	6.608	6.633	87.11	3.637	.550
98	8	7	1	1	-1	-1	-4	6	-10	7.118	7.188	90.00	3.637	.511