********** alpha Si3N4 **********

PARAMETERS

A= 7.7500 B= 7.7500 C= 5.5200

AF= 90.000 BT= 90.000 GM=120.000

NUVW= 6 NSY= 4 NL= 6

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	0	0	1	0	-1	0	1	0	0	1.000	1.000	120.00	6.712	6.712
2	1	2	1	-1	0	1	1	-1	1	1.000	1.100	66.75	4.263	4.263
3	4	6	1	1	-1	2	3	-2	0	1.006	1.135	68.94	2.553	2.537
4	4	6	3	0	-1	2	3	-2	0	1.006	1.367	85.88	2.553	2.537
5	-5	6	2	-2	-1	-2	-2	-2	1	1.022	1.053	62.74	1.868	1.828
6	-3	4	5	-1	-2	1	2	-1	2	1.025	1.307	80.35	2.305	2.248
7	-1	6	4	-2	-1	1	2	-1	2	1.025	1.429	90.28	2.305	2.248
8	-3	5	1	-2	-1	-1	-1	-1	2	1.025	1.299	79.77	2.305	2.248
9	-2	5	6	-1	2	-2	-3	0	-1	1.084	1.230	72.18	2.248	2.073
10	1	2	2	0	-1	1	2	-1	0	1.100	1.487	90.00	4.263	3.875
11	3	4	2	-2	1	1	2	-2	1	1.106	1.242	107.89	3.172	2.868
12	2	3	4	1	-2	1	2	0	-1	1.106	1.250	107.37	3.172	2.868
13	-3	4	2	0	1	-2	-2	-1	-1	1.107	1.396	82.82	2.553	2.305
14	-2	5	1	-1	0	-2	-2	-1	1	1.107	1.447	93.42	2.553	2.305
15	5	6	3	0	-1	2	3	-2	-1	1.107	1.231	108.72	2.553	2.305
16	4	5	2	2	-2	1	1	0	-2	1.123	1.244	108.54	2.868	2.553
17	4	6	5	-3	2	0	-1	-1	2	1.128	1.358	79.05	2.537	2.248
18	2	3	6	0	-2	1	3	-2	0	1.130	1.383	80.71	2.868	2.537
19	-4	6	1	-1	-1	2	2	1	2	1.204	1.460	82.43	2.248	1.868
20	-2	6	5	2	-1	2	1	2	-2	1.204	1.208	114.29	2.248	1.868
21	1	1	0	-1	1	0	0	0	1	1.216	1.574	90.00	6.712	5.520
22	1	2	3	2	-1	0	1	1	-1	1.222	1.222	65.84	3.875	3.172
23	-1	6	3	0	1	-2	-3	0	-1	1.231	1.447	80.14	2.553	2.073
24	-4	5	3	2	1	1	1	2	-2	1.234	1.299	70.21	2.305	1.868
25	3	5	1	2	-1	-1	-1	1	-2	1.242	1.376	74.82	3.172	2.553
26	3	5	4	-2	2	-1	-3	1	1	1.244	1.276	68.28	2.868	2.305
27	3	4	6	-2	0	1	2	-3	1	1.244	1.540	85.97	2.868	2.305
28	2	3	5	-1	-1	1	3	-2	0	1.250	1.376	105.54	3.172	2.537
29	5	6	2	-2	2	-1	-2	1	2	1.276	1.616	89.65	2.868	2.248
30	-4	5	6	-1	-2	1	3	0	2	1.326	1.429	105.70	2.305	1.738
31	2	3	1	1	-1	1	2	-1	-1	1.344	1.670	89.63	4.263	3.172
32	1	2	4	-2	1	0	0	-2	1	1.351	1.681	90.00	3.875	2.868
33	-2	6	1	-1	0	-2	-2	-1	2	1.367	1.371	111.18	2.553	1.868
34	-2	6	3	0	-1	2	3	1	0	1.371	1.469	105.29	2.553	1.861
35	3	4	5	1	-2	1	3	-1	-1	1.376	1.698	89.80	3.172	2.305
36	3	5	6	2	0	-1	-3	3	-1	1.383	1.535	101.59	2.868	2.073
37	-3	5	4	1	-1	2	2	2	-1	1.396	1.447	107.84	2.553	1.828
38	-4	5	2	-1	0	-2	-2	-2	1	1.396	1.714	89.74	2.553	1.828
39	4	5	3	-2	1	1	1	-2	2	1.411	1.530	76.67	3.172	2.248
40	1	2	0	0	0	-1	-2	1	0	1.425	1.740	90.00	5.520	3.875
41	-5	6	4	-2	-1	-1	0	-2	3	1.429	1.714	92.06	2.305	1.613
42	-3	6	1	-2	-1	0	1	0	3	1.430	1.526	104.47	2.537	1.775
43	-3	6	2	-2	-1	0	0	-1	3	1.430	1.572	78.47	2.537	1.775
44	2	3	2	-1	0	1	2	-2	1	1.487	1.681	82.54	4.263	2.868
45	2	4	1	2	-1	0	1	0	-2	1.518	1.518	70.77	3.875	2.553
46	-3	6	4	-2	-1	0	2	-1	3	1.526	1.572	106.31	2.537	1.662
47	-3	6	5	2	1	0	-1	2	-3	1.526	1.703	81.93	2.537	1.662
48	-1	6	2	-2	0	-1	-2	-1	2	1.535	1.616	75.94	2.868	1.868
49	-2	5	4	2	0	1	1	2	-2	1.535	1.725	82.88	2.868	1.868

50	1	1	1	-1	1	0	-1	0	1	1.574	1.574	71.48	6.712	4.263
51	-3	4	6	-2	0	-1	0	-3	2	1.650	1.925	89.73	2.868	1.738
52	-4	6	3	0	1	-2	-3	-1	-2	1.654	1.658	72.63	2.553	1.543
53	-4	6	5	1	-1	2	3	2	0	1.658	1.898	87.50	2.553	1.540
54	2	3	3	0	-1	1	3	-2	0	1.681	1.850	83.11	4.263	2.537
55	1	2	5	2	-1	0	1	2	-1	1.681	1.681	72.70	3.875	2.305
56	-3	4	1	-1	-1	1	2	1	2	1.698	1.787	101.71	3.172	1.868
57	5	6	4	-2	1	1	2	-3	2	1.698	1.966	90.33	3.172	1.868
58	-5	6	3	0	-1	2	3	2	1	1.721	1.951	92.62	2.553	1.483
59	2	4	3	-2	1	0	1	-2	2	1.724	1.724	106.86	3.875	2.248
60	4	5	6	1	-2	1	4	-2	-1	1.735	1.825	78.71	3.172	1.828
61	-2	5	3	-1	-1	1	3	0	2	1.825	1.908	100.88	3.172	1.738
62	3	4	1	1	-1	1	3	-2	-1	1.850	1.896	77.12	4.263	2.305
63	-3	5	6	-2	0	-1	-1	-3	2	1.858	1.925	78.42	2.868	1.543
64	1	2	6	-2	1	0	0	-3	1	1.869	2.120	90.00	3.875	2.073
65	-3	5	2	-1	-1	1	2	0	3	1.966	2.055	80.62	3.172	1.613
66	-1	6	5	-1	-1	1	4	-1	2	2.055	2.129	99.65	3.172	1.543
67	3	4	3	-1	0	1	3	-3	1	2.056	2.283	90.24	4.263	2.073
68	2	4	5	2	-1	0	1	2	-2	2.075	2.075	76.05	3.875	1.868
69	1	1	2	-1	1	0	-1	-1	1	2.116	2.341	90.00	6.712	3.172
70	-4	5	1	-1	-1	1	2	1	3	2.129	2.346	90.39	3.172	1.489
71	2	3	0	0	0	-1	-3	2	0	2.176	2.395	90.00	5.520	2.537
72	3	6	1	2	-1	0	-1	1	-3	2.184	2.184	103.24	3.875	1.775
73	3	6	2	-2	1	0	0	-1	3	2.184	2.402	90.00	3.875	1.775
74	3	5	2	-1	1	-1	-3	1	2	2.283	2.332	99.74	4.263	1.868
75	4	5	1	1	-1	1	3	-2	-2	2.283	2.417	94.63	4.263	1.868
76	3	4	4	0	-1	1	4	-3	0	2.290	2.332	79.85	4.263	1.861
77	3	6	4	-2	1	0	0	-2	3	2.402	2.602	90.00	3.875	1.613
78	3	5	3	-1	0	1	4	-3	1	2.417	2.453	99.82	4.263	1.764
79	3	6	5	-2	1	0	-1	-2	3	2.602	2.602	78.92	3.875	1.489
80	-5	6	1	-1	-1	1	2	1	4	2.616	2.686	83.07	3.172	1.212
81	2	2	1	-1	1	0	0	-1	2	2.629	2.629	100.96	6.712	2.553
82	4	5	4	-1	0	1	4	-4	1	2.656	2.762	94.55	4.263	1.605
83	5	6	1	1	-1	1	4	-3	-2	2.762	2.862	85.45	4.263	1.543
84	3	5	5	0	-1	1	5	-3	0	2.769	2.875	85.82	4.263	1.540
85	-4	4	1	-1	-1	0	1	0	4	2.867	2.867	100.04	3.875	1.352
86	4	5	5	0	-1	1	5	-3	-1	2.875	2.911	97.89	4.263	1.483
87	1	1	3	-1	1	0	-2	-1	1	2.912	2.912	80.11	6.712	2.305
88	3	4	0	0	0	-1	-4	3	0	2.965	3.129	90.00	5.520	1.861
89	-4	4	3	-1	-1	0	2	-1	4	2.981	2.981	99.66	3.875	1.300
90	-2	5	2	1	0	1	3	2	-2	3.171	3.195	82.37	4.263	1.345
91	-3	4	3	1	0	1	2	3	-2	3.171	3.258	86.04	4.263	1.345
92	-4	4	5	-1	-1	0	3	-2	4	3.197	3.197	99.00	3.875	1.212
93	-1	6	1	-1	0	-1	-3	-1	3	3.258	3.295	96.65	4.263	1.309
94	5	6	5	-1	0	1	5	-5	1	3.269	3.295	97.25	4.263	1.304
95	-3	4	4	0	-1	1	4	1	2	3.295	3.439	90.30	4.263	1.294
96	5	6	6	0	-1	1	6	-4	-1	3.449	3.537	93.21	4.263	1.236
97	-2	5	5	0	-1	1	5	0	2	3.532	3.620	87.01	4.263	1.207
98	-5	5	1	-1	-1	0	1	0	5	3.557	3.557	98.08	3.875	1.089
99	-5	5	2	-1	-1	0	1	-1	5	3.557	3.695	90.00	3.875	1.089
100	3	5	0	0	0	-1	-5	3	0	3.585	3.722	90.00	5.520	1.540
101	2	2	3	1	-1	0	1	2	-2	3.594	3.594	98.00	6.712	1.868
102	-3	5	3	-1	0	-1	-2	-3	3	3.610	3.644	96.00	4.263	1.181
103	-5	5	3	-1	-1	0	2	-1	5	3.650	3.650	97.87	3.875	1.062
104	1	1	4	-1	1	0	-2	-2	1	3.671	3.805	90.00	6.712	1.828
105	-5	5	4	-1	-1	0	2	-2	5	3.695	3.828	90.00	3.875	1.049
106	4	5	0	0	0	-1	-5	4	0	3.769	3.899	90.00	5.520	1.465
107	3	3	1	-1	1	0	-1	0	3	3.782	3.782	82.40	6.712	1.775
108	-3	5	5	0	1	-1	-5	-1	-2	3.859	3.931	93.26	4.263	1.105
109	-1	6	6	0	1	-1	-6	1	-2	3.859	3.889	84.26	4.263	1.105
110	-5	5	6	-1	-1	0	3	-3	5	3.914	4.040	90.00	3.875	.990

111	3	3	2	-1	1	0	-1	-1	3	4.038	4.160	90.00	6.712	1.662
112	-4	5	4	1	0	1	2	4	-3	4.082	4.161	92.46	4.263	1.044
113	-4	5	5	0	-1	1	5	1	3	4.228	4.257	84.88	4.263	1.008
114	-6	6	1	-1	-1	0	1	0	6	4.251	4.251	96.75	3.875	.911
115	-6	6	5	-1	-1	0	3	-2	6	4.480	4.480	96.41	3.875	.865
116	1	1	5	-1	1	0	-3	-2	1	4.525	4.525	83.66	6.712	1.483
117	5	6	0	0	0	-1	-6	5	0	4.579	4.687	90.00	5.520	1.205
118	4	4	1	-1	1	0	0	-1	4	4.965	4.965	95.78	6.712	1.352
119	2	2	5	1	-1	0	3	2	-2	4.991	4.991	84.25	6.712	1.345
120	-3	4	0	0	0	-1	-4	-3	0	5.003	5.102	90.00	5.520	1.103
121	-5	6	5	1	0	1	3	5	-3	5.014	5.028	85.08	4.263	.850
122	3	3	4	1	-1	0	2	2	-3	5.030	5.129	90.00	6.712	1.334
123	-5	6	6	0	-1	1	6	2	3	5.133	5.186	92.54	4.263	.831
124	-2	5	0	0	0	-1	-5	-2	0	5.136	5.233	90.00	5.520	1.075
125	1	1	6	-1	1	0	-3	-3	1	5.337	5.429	90.00	6.712	1.258
126	-1	6	0	0	0	1	6	1	0	5.393	5.485	90.00	5.520	1.024
127	4	4	3	-1	1	0	-2	-1	4	5.537	5.537	84.82	6.712	1.212
128	3	3	5	-1	1	0	-3	-2	3	5.684	5.684	84.95	6.712	1.181
129	-3	5	0	0	0	1	5	3	0	5.757	5.843	90.00	5.520	.959
130	5	5	1	-1	1	0	-1	0	5	6.161	6.161	85.35	6.712	1.089
131	5	5	2	-1	1	0	-1	-1	5	6.321	6.400	90.00	6.712	1.062
132	-4	5	0	0	0	-1	-5	-4	0	6.423	6.501	90.00	5.520	.859
133	4	4	5	1	-1	0	3	2	-4	6.531	6.531	85.61	6.712	1.028
134	5	5	3	-1	1	0	-2	-1	5	6.630	6.630	85.68	6.712	1.012
135	5	5	4	-1	1	0	-2	-2	5	6.997	7.068	90.00	6.712	.959
136	6	6	1	-1	1	0	0	-1	6	7.364	7.364	93.89	6.712	.911
137	5	5	6	1	-1	0	3	3	-5	7.997	8.060	90.00	6.712	.839