
Zr2Al

PARAMETERS

A= 5.2800 B= 5.2800 C= 8.7400

AF= 90.000 BT= 90.000 GM=120.000

NUVW= 8 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	4.573	4.573
2	-2	8	7	-1	-2	2	3	-1	2	1.000	1.186	107.28	1.607	1.607
3	2	4	1	-1	0	2	1	-1	2	1.000	1.197	73.50	3.159	3.159
4	4	5	7	3	-1	-1	-2	3	-1	1.000	1.055	116.33	1.695	1.695
5	1	2	1	-1	0	1	1	-1	1	1.000	1.282	100.23	4.052	4.052
6	-6	7	5	-2	-1	-1	1	-2	4	1.007	1.380	86.83	1.695	1.683
7	-4	7	1	-1	0	-4	-1	-1	3	1.008	1.163	109.22	1.971	1.956
8	-7	8	3	-1	1	-5	-2	-1	-2	1.016	1.098	66.03	1.633	1.607
9	2	3	8	-3	2	0	-1	-2	1	1.019	1.324	81.94	1.728	1.695
10	2	3	7	-3	2	0	1	-3	1	1.019	1.019	119.37	1.728	1.695
11	3	5	4	-1	-1	2	2	-2	1	1.022	1.333	82.48	2.260	2.212
12	-4	8	5	-2	-1	0	1	-2	4	1.027	1.275	77.95	1.728	1.683
13	4	7	1	2	-1	-1	-1	1	-3	1.029	1.282	101.63	2.527	2.457
14	1	2	3	2	-1	0	1	1	-1	1.045	1.045	61.40	2.640	2.527
15	-6	8	5	2	-1	4	1	2	-2	1.047	1.382	95.12	1.683	1.607
16	5	6	8	-2	3	-1	-2	-1	2	1.055	1.299	101.63	1.695	1.607
17	5	8	7	3	-1	-1	-2	3	-2	1.055	1.141	112.63	1.695	1.607
18	5	7	8	-3	1	1	1	-3	2	1.055	1.410	93.38	1.695	1.607
19	-5	6	4	0	2	-3	-2	-1	-1	1.061	1.069	117.62	1.799	1.695
20	-4	5	6	-2	2	-3	-1	-2	1	1.061	1.250	105.40	1.799	1.695
21	-1	8	6	-2	2	-3	-2	-1	1	1.061	1.439	88.51	1.799	1.695
22	3	6	1	2	-1	0	-1	1	-3	1.074	1.074	117.73	2.640	2.457
23	3	6	2	-2	1	0	0	-1	3	1.074	1.468	90.00	2.640	2.457
24	4	6	7	3	-2	0	2	1	-2	1.075	1.075	62.29	1.728	1.607
25	-3	7	8	-3	1	-2	1	-3	3	1.081	1.231	107.57	1.607	1.486
26	5	6	2	0	-1	3	2	-1	-2	1.087	1.111	115.85	2.457	2.260
27	5	8	1	1	-1	3	2	-1	-2	1.087	1.449	92.17	2.457	2.260
28	-3	6	4	-2	1	-3	0	-2	3	1.088	1.132	114.49	1.956	1.799
29	-3	8	2	0	1	-4	-2	0	-3	1.096	1.163	67.20	1.971	1.799
30	6	7	2	-1	0	3	2	-2	1	1.111	1.460	92.66	2.457	2.212
31	4	5	3	-2	1	1	1	-2	2	1.118	1.292	105.08	2.527	2.260
32	-2	7	6	2	-2	3	1	2	-2	1.119	1.198	111.43	1.799	1.607
33	-6	7	4	2	0	3	1	2	-2	1.119	1.234	70.98	1.799	1.607
34	7	8	2	-2	2	-1	0	-1	4	1.122	1.131	115.91	2.212	1.971
35	-1	8	2	-2	0	-1	0	-1	4	1.122	1.488	91.13	2.212	1.971
36	1	1	1	-1	1	0	0	-1	1	1.129	1.129	116.30	4.573	4.052
37	5	7	4	2	-2	1	1	1	-3	1.131	1.376	99.78	2.212	1.956
38	-3	6	5	1	-2	3	2	1	0	1.132	1.316	104.04	1.956	1.728
39	-5	6	7	-1	-2	1	3	-1	3	1.141	1.251	108.84	1.695	1.486
40	-4	8	3	-1	1	-4	-2	-1	0	1.141	1.454	85.33	1.971	1.728
41	-4	8	1	-1	0	-4	-2	-1	0	1.141	1.171	65.96	1.971	1.728
42	2	3	4	1	-2	1	2	0	-1	1.143	1.462	94.20	2.527	2.212
43	-4	6	1	-1	-1	2	1	0	4	1.146	1.406	81.55	2.260	1.971
44	7	8	5	-1	-1	3	3	-2	-1	1.154	1.217	111.61	1.956	1.695
45	7	8	3	-2	1	2	1	-2	3	1.155	1.505	88.28	2.260	1.956
46	-3	6	7	-2	-1	0	1	-3	3	1.163	1.163	64.53	1.728	1.486
47	-3	6	8	2	1	0	-2	3	-3	1.163	1.437	82.94	1.728	1.486
48	-5	7	3	-1	1	-4	-2	-1	-1	1.163	1.326	75.23	1.971	1.695
49	-5	8	2	0	1	-4	-2	-1	-1	1.163	1.420	98.32	1.971	1.695

50	2	4	3	-2	1	0	-1	-1	2	1.168	1.168	64.66	2.640	2.260
51	1	2	4	-2	1	0	0	-2	1	1.194	1.557	90.00	2.640	2.212
52	-5	8	1	-1	-1	3	1	0	5	1.198	1.217	66.54	1.956	1.633
53	-4	7	5	2	-1	3	1	2	-2	1.217	1.559	91.23	1.956	1.607
54	-7	8	6	-2	-1	-1	2	-2	5	1.221	1.356	105.47	1.695	1.389
55	3	5	1	1	-1	2	2	-1	-1	1.250	1.286	68.67	3.159	2.527
56	3	4	2	0	-1	2	2	-1	-1	1.250	1.428	102.07	3.159	2.527
57	-6	7	8	-1	-2	1	3	-2	4	1.251	1.593	89.40	1.695	1.356
58	-3	6	1	-1	0	-3	-1	-1	3	1.256	1.422	102.80	2.457	1.956
59	-3	7	2	-1	-1	2	2	0	3	1.256	1.384	105.30	2.260	1.799
60	6	7	4	-1	2	-2	-2	0	3	1.256	1.333	108.62	2.260	1.799
61	-4	8	7	2	1	0	-3	2	-4	1.275	1.275	113.09	1.728	1.356
62	2	3	6	0	-2	1	3	-2	0	1.280	1.473	79.47	2.212	1.728
63	5	8	2	-2	1	1	0	-1	4	1.282	1.405	74.88	2.527	1.971
64	-4	5	1	-1	-1	1	1	0	4	1.282	1.548	95.54	2.527	1.971
65	2	3	1	1	-1	1	1	0	-2	1.282	1.603	91.66	4.052	3.159
66	5	7	3	-2	1	1	1	-2	3	1.292	1.501	99.24	2.527	1.956
67	3	4	6	-2	0	1	2	-3	1	1.305	1.537	97.48	2.212	1.695
68	4	6	5	-1	-1	2	3	-2	0	1.307	1.406	106.27	2.260	1.728
69	-2	7	4	-2	0	-1	1	-2	4	1.314	1.488	101.24	2.212	1.683
70	-7	8	2	0	1	-4	-2	-1	-3	1.326	1.510	79.63	1.971	1.486
71	4	7	5	-1	2	-2	-3	1	1	1.333	1.520	79.95	2.260	1.695
72	4	8	1	2	-1	0	-1	1	-4	1.339	1.339	111.92	2.640	1.971
73	-2	8	3	-1	-1	2	2	-1	4	1.342	1.570	82.79	2.260	1.683
74	-4	7	6	1	-2	3	3	0	2	1.359	1.499	77.22	1.956	1.439
75	-3	6	2	0	1	-3	-2	0	-3	1.366	1.422	71.98	2.457	1.799
76	3	5	6	2	0	-1	-1	3	-2	1.376	1.473	74.75	2.212	1.607
77	-5	7	1	-1	-1	2	1	0	5	1.384	1.520	77.39	2.260	1.633
78	4	6	1	1	-1	2	2	-1	-2	1.398	1.602	82.05	3.159	2.260
79	5	6	4	-2	1	1	0	-2	3	1.405	1.572	79.72	2.527	1.799
80	6	8	5	-1	2	-2	-3	1	2	1.406	1.667	85.97	2.260	1.607
81	4	5	2	-1	0	2	2	-2	1	1.428	1.615	98.70	3.159	2.212
82	-5	7	8	-2	2	-3	-3	-1	-1	1.433	1.477	72.27	1.799	1.255
83	2	2	1	-1	1	0	0	-1	2	1.447	1.447	110.21	4.573	3.159
84	-4	5	3	-1	1	-3	-2	-1	-1	1.449	1.529	74.74	2.457	1.695
85	-2	7	3	1	-1	3	2	1	-1	1.449	1.707	93.67	2.457	1.695
86	-3	7	1	-1	0	-3	-2	-1	1	1.449	1.460	70.46	2.457	1.695
87	2	3	5	-1	-1	1	3	-2	0	1.462	1.491	108.26	2.527	1.728
88	3	6	4	-2	1	0	0	-2	3	1.468	1.776	90.00	2.640	1.799
89	5	8	6	-2	2	-1	-2	-1	3	1.488	1.769	88.39	2.212	1.486
90	4	7	6	-2	2	-1	-1	-2	3	1.488	1.537	106.64	2.212	1.486
91	3	4	5	1	-2	1	3	-1	-1	1.491	1.572	75.45	2.527	1.695
92	-5	8	6	-2	1	-3	-2	-2	1	1.499	1.565	74.57	1.956	1.305
93	5	7	6	-1	-1	2	3	-3	1	1.505	1.731	84.90	2.260	1.502
94	-1	8	5	2	-1	2	1	2	-3	1.520	1.800	91.31	2.260	1.486
95	-1	8	3	-1	1	-3	-2	-1	2	1.529	1.636	102.46	2.457	1.607
96	-5	6	2	0	1	-3	-2	-1	-2	1.529	1.769	93.87	2.457	1.607
97	-3	8	1	-1	0	-3	-2	-1	2	1.529	1.686	80.68	2.457	1.607
98	1	2	2	0	-1	1	2	-1	0	1.535	1.832	90.00	4.052	2.640
99	-5	6	1	-1	-1	1	1	0	5	1.548	1.821	91.49	2.527	1.633
100	1	2	5	2	-1	0	1	2	-1	1.557	1.557	71.27	2.640	1.695
101	-5	8	7	1	-2	3	3	1	1	1.559	1.784	94.57	1.956	1.255
102	4	8	3	2	-1	0	1	1	-4	1.568	1.568	71.41	2.640	1.683
103	5	7	1	1	-1	2	2	-1	-3	1.615	1.863	92.41	3.159	1.956
104	-5	5	1	-1	-1	0	1	0	5	1.617	1.617	108.01	2.640	1.633
105	-5	5	2	-1	-1	0	1	-1	5	1.617	1.901	90.00	2.640	1.633
106	-6	8	1	-1	-1	2	1	0	6	1.628	1.667	74.47	2.260	1.388
107	-3	7	6	2	0	1	-1	3	-4	1.632	1.902	90.78	2.212	1.356
108	2	4	5	2	-1	0	1	2	-2	1.643	1.643	72.28	2.640	1.607
109	3	4	1	1	-1	1	1	0	-3	1.649	1.793	98.80	4.052	2.457
110	6	7	5	-2	1	1	1	-3	3	1.700	1.864	97.01	2.527	1.486

111	-4	7	3	-1	-1	1	2	-1	5	1.734	1.982	91.33	2.527	1.457
112	3	4	8	0	-2	1	4	-3	0	1.744	1.762	74.44	2.212	1.268
113	4	5	6	1	-2	1	3	0	-2	1.756	1.936	95.46	2.527	1.439
114	4	7	2	-1	0	2	2	-2	3	1.757	1.863	79.95	3.159	1.799
115	1	2	6	-2	1	0	0	-3	1	1.758	2.023	90.00	2.640	1.502
116	4	5	8	-2	0	1	3	-4	1	1.762	1.816	103.25	2.212	1.255
117	-3	8	6	-2	0	-1	0	-3	4	1.769	1.800	75.41	2.212	1.250
118	3	6	5	-2	1	0	-1	-2	3	1.776	1.776	73.65	2.640	1.486
119	6	8	7	-1	-1	2	4	-3	0	1.782	1.855	101.86	2.260	1.268
120	2	3	2	-1	0	1	1	-2	2	1.793	1.832	76.13	4.052	2.260
121	-4	5	7	-1	2	-2	-3	-1	-1	1.800	1.943	97.42	2.260	1.255
122	1	1	2	-1	1	0	-1	-1	1	1.809	2.067	90.00	4.573	2.527
123	-5	5	3	-1	-1	0	2	-1	5	1.811	1.811	106.02	2.640	1.457
124	-6	7	2	-1	0	-3	-1	-2	4	1.813	1.882	101.81	2.457	1.356
125	4	7	8	2	0	-1	-3	4	-2	1.816	1.902	100.79	2.212	1.218
126	-5	7	2	-1	-1	1	2	0	5	1.820	1.821	105.89	2.527	1.389
127	-3	7	4	-1	-1	1	2	-2	5	1.820	1.864	76.72	2.527	1.389
128	-6	7	1	-1	-1	1	1	0	6	1.821	2.056	88.63	2.527	1.388
129	4	6	3	0	-1	2	3	-2	0	1.828	1.966	82.50	3.159	1.728
130	-4	6	7	-2	1	-2	-1	-3	2	1.855	2.060	86.94	2.260	1.218
131	3	3	1	-1	1	0	0	-1	3	1.861	1.861	105.58	4.573	2.457
132	5	6	3	0	-1	2	3	-2	-1	1.863	2.104	90.70	3.159	1.695
133	-2	7	5	-1	-1	1	3	-2	4	1.864	2.056	93.81	2.527	1.356
134	6	8	1	1	-1	2	2	-1	-4	1.877	1.966	100.10	3.159	1.683
135	-5	7	4	-1	1	-3	-2	-2	1	1.882	2.017	97.24	2.457	1.305
136	-5	5	4	-1	-1	0	2	-2	5	1.901	2.148	90.00	2.640	1.389
137	-6	6	1	-1	-1	0	1	0	6	1.902	1.902	105.24	2.640	1.388
138	-4	5	8	-2	0	-1	1	-4	3	1.902	2.017	81.66	2.212	1.163
139	1	1	0	0	0	-1	-1	1	0	1.911	2.157	90.00	8.740	4.573
140	-3	8	7	2	-1	2	1	3	-3	1.943	2.170	91.02	2.260	1.163
141	4	8	5	2	-1	0	1	2	-4	1.948	1.948	75.12	2.640	1.356
142	-5	8	3	-1	-1	1	2	-1	6	1.982	2.200	88.74	2.527	1.275
143	3	4	7	-1	-1	1	4	-3	0	1.993	2.014	103.29	2.527	1.268
144	-2	7	8	-1	2	-2	-4	0	-1	1.994	2.170	86.15	2.260	1.133
145	3	5	7	-1	2	-1	-4	1	1	2.014	2.075	79.28	2.527	1.255
146	-4	7	8	-2	0	-1	1	-4	4	2.017	2.155	83.97	2.212	1.097
147	7	8	6	-2	1	1	0	-3	4	2.022	2.102	80.48	2.527	1.250
148	4	5	1	1	-1	1	1	0	-4	2.055	2.071	103.14	4.052	1.971
149	-3	8	5	-1	-1	1	3	-2	5	2.056	2.269	91.12	2.527	1.229
150	5	6	7	1	-2	1	4	-1	-2	2.075	2.173	81.94	2.527	1.218
151	-7	8	1	-1	-1	1	1	0	7	2.098	2.269	86.53	2.527	1.204
152	1	2	7	2	-1	0	1	3	-1	2.103	2.103	76.25	2.640	1.255
153	6	7	3	-1	0	2	3	-3	1	2.104	2.125	102.48	3.159	1.502
154	-5	6	8	-2	1	-2	0	-4	3	2.123	2.170	100.89	2.260	1.064
155	-2	7	1	-1	0	-2	-2	-1	3	2.125	2.168	78.89	3.159	1.486
156	-4	5	2	-1	0	-2	-1	-2	3	2.125	2.275	85.39	3.159	1.486
157	2	4	7	-2	1	0	-1	-3	2	2.168	2.168	76.66	2.640	1.218
158	-7	7	1	-1	-1	0	1	0	7	2.192	2.192	103.19	2.640	1.204
159	-7	7	2	-1	-1	0	1	-1	7	2.192	2.409	90.00	2.640	1.204
160	6	8	3	-1	0	2	3	-3	2	2.195	2.331	95.05	3.159	1.439
161	3	5	8	-1	-1	1	4	-4	1	2.230	2.409	87.85	2.527	1.133
162	3	5	2	-1	1	-1	-2	0	3	2.253	2.407	86.43	4.052	1.799
163	3	6	7	2	-1	0	1	3	-3	2.270	2.270	77.28	2.640	1.163
164	-5	5	6	-1	-1	0	3	-3	5	2.298	2.506	90.00	2.640	1.149
165	-1	8	7	-1	-1	1	4	-3	4	2.304	2.462	93.08	2.527	1.097
166	4	4	1	-1	1	0	0	-1	4	2.319	2.319	102.45	4.573	1.971
167	1	2	8	-2	1	0	0	-4	1	2.329	2.535	90.00	2.640	1.133
168	-2	8	1	-1	0	-2	-2	-1	4	2.331	2.477	86.36	3.159	1.356
169	3	3	2	-1	1	0	-1	-1	3	2.337	2.542	90.00	4.573	1.956
170	-7	7	3	-1	-1	0	2	-1	7	2.339	2.339	102.34	2.640	1.129
171	2	3	3	0	-1	1	3	-2	0	2.344	2.390	80.36	4.052	1.728

172	-7	8	5	-1	1	-3	-3	-2	-1	2.359	2.409	80.69	2.457	1.042
173	-6	6	5	-1	-1	0	3	-2	6	2.370	2.370	102.18	2.640	1.114
174	6	7	8	1	-2	1	4	0	-3	2.375	2.478	96.06	2.527	1.064
175	4	8	7	-2	1	0	-1	-3	4	2.407	2.407	78.01	2.640	1.097
176	5	6	1	1	-1	1	2	-1	-4	2.407	2.481	82.41	4.052	1.683
177	-7	7	4	-1	-1	0	2	-2	7	2.409	2.608	90.00	2.640	1.096
178	5	8	4	0	-1	2	4	-2	-1	2.421	2.517	96.20	3.159	1.305
179	3	6	8	-2	1	0	0	-4	3	2.481	2.675	90.00	2.640	1.064
180	-8	8	1	-1	-1	0	1	0	8	2.484	2.484	101.61	2.640	1.063
181	7	8	4	0	-1	2	4	-3	-1	2.517	2.628	85.08	3.159	1.255
182	3	4	3	-1	0	1	2	-3	2	2.521	2.698	89.15	4.052	1.607
183	-4	6	3	0	1	-2	-3	0	-4	2.527	2.594	82.51	3.159	1.250
184	-4	7	2	-1	0	-2	-1	-2	5	2.571	2.628	97.87	3.159	1.229
185	-5	5	7	-1	-1	0	4	-3	5	2.572	2.572	101.21	2.640	1.027
186	-7	7	5	-1	-1	0	3	-2	7	2.608	2.608	101.05	2.640	1.012
187	-8	8	3	-1	-1	0	2	-1	8	2.615	2.615	101.02	2.640	1.009
188	1	1	3	-1	1	0	-1	-2	1	2.697	2.697	100.68	4.573	1.695
189	-5	6	3	0	-1	2	3	1	3	2.717	2.750	98.67	3.159	1.163
190	-1	8	4	0	1	-2	-4	1	-3	2.717	2.787	83.52	3.159	1.163
191	3	5	3	-1	0	1	2	-3	3	2.726	2.815	84.69	4.052	1.486
192	6	7	1	1	-1	1	2	-1	-5	2.780	2.919	87.87	4.052	1.457
193	5	5	1	-1	1	0	0	-1	5	2.801	2.801	100.28	4.573	1.633
194	2	2	3	1	-1	0	1	2	-2	2.845	2.845	100.12	4.573	1.607
195	5	7	2	-1	1	-1	-2	0	5	2.918	2.989	95.69	4.052	1.389
196	-3	8	4	0	-1	2	4	0	3	2.969	3.078	93.30	3.159	1.064
197	-4	6	5	1	-1	2	3	2	0	3.012	3.097	85.45	3.159	1.049
198	-3	7	5	-1	1	-2	-3	-2	1	3.033	3.187	90.43	3.159	1.042
199	-6	7	3	-1	0	-2	-1	-3	5	3.078	3.201	92.11	3.159	1.027
200	-2	8	5	1	-1	2	3	2	-2	3.097	3.166	95.26	3.159	1.020
201	3	4	4	0	-1	1	4	-2	-1	3.104	3.195	93.97	4.052	1.305
202	5	5	2	-1	1	0	-1	-1	5	3.137	3.293	90.00	4.573	1.457
203	7	8	1	1	-1	1	2	-1	-6	3.177	3.297	92.02	4.052	1.275
204	4	7	3	-1	1	-1	-3	0	4	3.241	3.297	84.37	4.052	1.250
205	6	6	1	-1	1	0	0	-1	6	3.295	3.295	98.73	4.573	1.388
206	1	2	0	0	0	-1	-2	1	0	3.311	3.458	90.00	8.740	2.640
207	4	5	4	-1	0	1	3	-4	2	3.327	3.370	96.13	4.052	1.218
208	4	4	3	-1	1	0	-1	-2	4	3.373	3.373	98.52	4.573	1.356
209	1	1	4	-1	1	0	-2	-2	1	3.503	3.643	90.00	4.573	1.305
210	5	8	3	-1	1	-1	-3	0	5	3.527	3.638	88.32	4.052	1.149
211	-1	8	1	-1	0	-1	-1	-1	7	3.590	3.638	95.22	4.052	1.129
212	-2	7	2	1	0	1	1	2	-6	3.638	3.697	85.57	4.052	1.114
213	4	7	4	-1	0	1	3	-4	4	3.694	3.807	88.84	4.052	1.097
214	5	5	3	-1	1	0	-1	-2	5	3.721	3.721	97.72	4.573	1.229
215	3	3	4	1	-1	0	2	2	-3	3.803	3.932	90.00	4.573	1.202
216	3	5	5	0	-1	1	5	-3	0	3.862	3.890	84.17	4.052	1.049
217	4	5	5	0	-1	1	5	-3	-1	3.890	3.972	87.38	4.052	1.042
218	8	8	1	-1	1	0	0	-1	8	4.303	4.303	96.67	4.573	1.063
219	5	5	4	-1	1	0	-2	-2	5	4.341	4.455	90.00	4.573	1.053
220	1	1	5	-1	1	0	-2	-3	1	4.390	4.390	96.54	4.573	1.042
221	2	2	5	1	-1	0	2	3	-2	4.483	4.483	96.40	4.573	1.020
222	2	3	0	0	0	-1	-3	2	0	5.057	5.155	90.00	8.740	1.728
223	3	4	0	0	0	-1	-4	3	0	6.892	6.964	90.00	8.740	1.268
224	3	5	0	0	0	-1	-5	3	0	8.332	8.391	90.00	8.740	1.049