

# An Alternate View of Nuclear Structure: Surface Available by Baryon Count Aran David Stubbs

This table has least surface for all cases, then for low dipole, then for zero dipole. Each cell has solution layout, max z supported by surface, 1 or more dipole calculations, and max Z supported for near zero dipole. Dipole calculation is either: dominant type plus subordinate type if axis of dipole is even in length, or dominant plus subordinate plus equator length over 2 if axis with maximum dipole is odd in length. Dipole needs to be calculated on all 7 planes (3 related to the x, y, and z axes and 4 related to the pairs of faces). Often a face plane has the largest dipole. For instance Helium 4 as a cube can be split by 13 planes passing through the origin. In 3 of these the split is 2+2 (for planes like the xy), in 6 it is 1+1 with 4 on the equator (for planes including an axis, diagonally through 4 spheres), in the other 4 (perpendicular to a line passing diagonally through 2 corners) it is 3+1:  . Odd length diagonals are never high dipole, due to reflective symmetry. In this context low dipole means the maximum z that can be supported without dipole is within 4 of the maximum z for the surface. Maximum z that can be supported assumes the diquark dominated hemi-octahedron has all its monoquarks as ups, and the monoquark dominated hemisphere has just enough charge to balance (rounding up to the nearest integer). Also see the [complete solutions table](#), which includes many solutions beyond the least surface, some of which may match the actual nuclei (especially for medium size isotopes where 5 to 7 surface downs are reasonable). Only solutions with reflective symmetry and valid parity (monoquark count equals diquark count) are included. Many solutions have links to a Sketchup drawing of the solution. A few extra solutions that happened to be especially pretty were also added, especially for high baryon counts, where the least surface is too small for the ideal z.

A standard naming convention based on simple descriptions of the solutions is used: E for eccentric (relative to a 2x2x2 core is not otherwise stated, O for a 1x1x1 core, and Q for a 4x4x4 core), S for standard skew (3x3 – 2 spheres), T for thin skew (2x3 – 2 spheres), H for half-fat skew (3x4 – 2 spheres), F for fat skew (4x4 – 2 spheres), and D for Diagonal. Some hybrid types (combining eccentric and 1 of the other types) are also given. From the base solution, there are derivatives adding or subtracting spheres (s), hexagons (h), or triangles (t), with a count of items added preceding the letter and a size for triangles and hexagons following. T2 is 3 spheres, t3 is 6, h2 is 7 spheres, h3 12, etc.. In some cases an intermediate form is added (t4-2s, for example). Many structures can be extended without increasing the surface; the extended form has an x suffix. L designates layer: how many times the solutions can have its entire surface removed until there is nothing left. See complete table for more details on solution naming convention. In many cases multiple additions and/or subtractions occur. 2 miscellaneous forms that are not body centered cubic structures (for baryon count 3 and 5) are also included.

Following each solution description is a dipole calculation. This gives the count of the 2 types for each hemisphere along the axis with the most dipole, with an equatorial count over 2 for cases with odd axis length, and a maximum z without dipole that results. Example: baryon count 125, solution DE-1L5 (an eccentric diagonal solution) has formula 55:48+7;42 (++ axis). There are 55 surface monoquarks; each hemisphere has 55 spheres (no equator). In the diquark dominated hemisphere 48 diquarks and 7 monoquarks have a maximum charge of 62/3, so the maximum z is 42, calculated on the diagonal axis protruding into the ++ octant. This requires 13 surface downs, so is not a low dipole solution. In cases with an equator, the charges on the 2 hemispheres add to the equatorial charge. Some cells also have a bond count calculation. Since a bond connects a pair of spheres, the bond count is half the sum of the bonds projecting from each sphere. Interior spheres each have 6 bonds, surface have from 1 to 5 each. In cases where 2 solutions have about the same surface, and dipole is not an issue, the solution with the most bonds is preferred. For the small nuclei, where all bond counts have been calculated, the highest bond count solution is highlighted in yellow.

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
1	<u>E-1-1L1</u> Dipole 1:1+0;1 Bond (2@1)/2=1	<u>E-1-1L1</u> Dipole 1:1+0;1 Bond (2@1)/2=1	
2	<u>Tetrahedron</u> Dipole 2:1+1;2 Bond (4@2)/2=4 <u>E+0-1L1</u> Dipole 2:1+1;2 Bond (4@2)/2=4 Or E+0+3oL1 Dipole 2:0+4/2;2 Bond (2@2+2@1)/2=3	<u>Tetrahedron</u> Dipole 2:1+1;2 Bond (4@2)/2=4 <u>E+0-1L1</u> Dipole 2:1+1;2 Bond (4@2)/2=4	<u>E+0-1L1</u> Dipole 2:1+1;2 Bond (4@2)/2=4
3	<u>Octahedron</u> Dipole 3:2+1;3 Bond (6@2)/2=6 <u>Misc3</u> Dipole 3:1+0+4/2;3 Bond (4@3+2@2)/2=8 Or <u>E-1+1L1</u> Dipole 3:2+1;3 Bond (2@3+4@2)/2=7 Or E+0+5oL1 Dipole 3:2+1;3 Bond (4@2+2@1)/2=5 Or <u>D-1L1</u> Dipole 3:3+0;2 Bond (6@2)/2=6 Or <u>DE-1L1</u> Dipole 3:3+0;2 Bond (2@3+4@1)/2=5	<u>Misc3</u> Dipole 3:1+0+4/2;3 Bond (4@3+2@2)/2=8 Or <u>E-1+1L1</u> Dipole 3:2+1;3 Bond (2@3+4@2)/2=7 Or E+0+5oL1 Dipole 3:2+1;3 Bond (4@2+2@1)/2=5	
4	<u>T001L1</u> Dipole 4:2+2;4 Bond (4@3+4@2)/2=10 Or <u>S000L1</u> Dipole 4:3+1;4 Bond (8@3)/2=12 Or <u>E-1+2L1</u> Dipole 4:2+1+2/2;4 Bond (4@3+4@2)/4=10	<u>T001L1</u> Dipole 4:2+2;4 Bond (4@3+4@2)/2=10 Or <u>S000L1</u> Dipole 4:3+1;4 Bond (8@3)/2=12 Or <u>E-1+2L1</u> Dipole 4:2+1+2/2;4 Bond (4@3+4@2)/4=10	<u>T001L1</u> Dipole 4:2+2;4 Bond (4@3+4@2)/2=10
5	<u>Misc5</u> Dipole 5:4+1;4 Bond (2@5+8@3)/2=17 Or <u>S000L1+2s</u> Dipole 5:4+1;4 Bond (2@4+6@3+2@1)/2=14 Or <u>E-1-1L2-2s</u> Dipole 5:4+1;4 Bond (2@5+8@2)/2=13	<u>Misc5</u> Dipole 5:4+1;4 Bond (2@5+8@3)/2=17 Or <u>S000L1+2s</u> Dipole 5:4+1;4 Bond (2@4+6@3+2@1)/2=14 Or <u>E-1-1L2-2s</u> Dipole 5:4+1;4 Bond (2@5+8@2)/2=13	
6	<u>E-1-1L2</u> Dipole 5:5+0;3 Bond (2@6+8@2+2@1)/2=15	<u>E-1-1L2</u> Dipole 5:5+0;3 Bond (2@6+8@2+2@2)/2=15	<u>E+0+1L1</u> Dipole 6:3+3;6 Bond (4@4+8@3)/2=20

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
7	<u>E-1-1L2+2s</u> (DS011L2) Dipole 6:5+1;5 Bond (2@6+2@3+10@2)/2=19 Or <u>D1L2</u> (S000L1+2t2) Dipole 6:6+0;4 Bond (2@6+6@3+6@1)/2=18	<u>E-1-1L2+2s</u> (DS011L2) Dipole 6:5+1;5 Bond (2@6+2@3+10@2)/2=19 Pretty: <u>S001L1</u> Dipole 7:4+3;7 Bond (2@5+12@3)/2=23	
8	<u>S001xL1</u> Dipole 7:5+2;6 Bond (2@6+12@3+2@1)/2=25	<u>S001xL1</u> Dipole 7:5+2;6 Bond (2@6+12@3+2@1)/2=25 Pretty <u>E+0+2L1</u> Dipole 8:5+3;8 Bond (8@4+8@3)/2=28	<u>E+0-1L2-4s</u> ( <u>E+0+1L1+4s</u> ) Dipole 8:4+4;8 Bond (4@4+8@3+4@2)/2=24
9	<u>S001xL1+2s</u> Dipole 8:5+3;8 Bond (2@6+6@4+8@3+2@1)/2=31	<u>S001xL1+2s</u> Dipole 8:5+3;8 Bond (2@6+6@4+8@3+2@1)/2=31 Pretty: E+1+1L1 Dipole Bond (2@5+8@4+8@3)/2=33	
10	<u>E+0-1L2</u> Dipole 8:4+4;8 Bond (4@6+8@3+8@2)/2=32 Or <u>S000L1+4t2</u> Dipole 8:8+0;6 Bond (4@6+4@3+8@2+4@1)/2=28	<u>E+0-1L2</u> Dipole 8:4+4;8 Bond (4@6+8@3+8@2)/2=32	<u>E+0-1L2</u> Dipole 8:4+4;8 Bond (4@6+8@3+8@2)/2=32
11	<u>E+0+3oL2</u> Dipole 9:5+4;9 Bond (4@6+8@3+8@2+2@1)/2=33 Or <u>S001xL1+2t2</u> Dipole 9:5+1+6/2;8 Bond (4@6+2@4+8@3+6@2+2@1)/2=35	<u>E+0+3oL2</u> Dipole 9:5+4;9 Bond (4@6+8@3+8@2+2@1)/2=33 Pretty: <u>DC1L2</u> Dipole 10:7+3;9 Bond (2@6+20@3)/2=36	
12	<u>E+0-1L2+4s</u> Dipole 10:5+5;10 Bond (4@6+16@3+4@2)/2=40 Or D-1L3-2s Dipole 10:6+4;10 Bond (4@6+2@5+6@3+8@2+4@1)/2=36 Or DE-1L2-2s Or <u>S002xL1</u> Dipole 10:8+2;8	<u>E+0-1L2+4s</u> Dipole 10:5+5;10 Bond (4@6+16@3+4@2)/2=40 Pretty: <u>S011L2</u> Dipole 11:7+4;10 Bond (2@6+4@5+18@3)/2=38	<u>E+0-1L2+4s</u> Dipole 10:5+5,10
13	<u>D-1L2 (S000L2-2t2)</u> Dipole 10:7+3;9 Bond (6@6+8@3+12@2)/2=42 Or <u>DE-1L2 (E-1-1L3-2t3)</u> Dipole 10:9+1;8 Bond (6@6+8@3+8@2+4@1)/2=40	<u>D-1L2 (S000L2-2t2)</u> Dipole 10:7+3;9 Bond (6@6+8@3+12@2)/2=42 Pretty: <u>E+0+0tL2-1s</u> Dipole 25/2;9+7/2;6 Bond: (1@6+6@5+9@4+10@3)/2=51 Bad Symmetry	

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14	<p><u>S011xL2</u>  Dipole 11:5+2+8/2;10  Bond (6@6+18@3+4@1)/2=47  Or D-1L3+2s  11:7+4;10  Or <u>E-1+1L2</u>  11:8+3;10  Or DE-1L2+2s  11:9+2;9 ++ axis  Or <u>S003xL1-4s</u> (S001xL1+4t2)  11:11+0;8</p>	<p><u>S011xL2</u>  Dipole 11:5+2+8/2;10  Bond (6@6+18@3+4@1)/2=47  Or D-1L3+2s  11:7+4;10</p>	<p><u>E+1+2xL1</u>  Or E+0-1L2+8s  12:6+6;12</p>
15	<p><u>S011xL2+2s</u>  12:5+3+8/2;12  Or <u>D-1L3+4s (S000L2-2s)</u>  12:7+5;12  <u>S002xL1+2t2</u>  12:6+2+8/4;11  Or DE-1L2+4s  12:9+3;10 ++ or z-axis</p>	<p><u>S011xL2+2s</u>  12:5+3+8/2;12  Or <u>D-1L3+4s (S000L2-2s)</u>  12:7+5;12</p>	
16	<p><u>E+0-1L2+4t2 (T001L2)</u>  Dipole 12:6+6;12  Bond (8@6+16@3+8@2)/2=56  Or <u>S000L2</u>  Dipole 12:6+6;12  Bond (8@6+24@3)/2=60  Or DE-1L2+2t2  (E-1-1L3-6s stripe)  12:10+2;10 z-axis</p>	<p><u>E+0-1L2+4t2 (T001L2)</u>  Dipole 12:6+6;12  Bond (8@6+16@3+8@2)/2=56  Or <u>S000L2</u>  Dipole 12:6+6;12  Bond (8@6+24@3)/2=60</p>	<p><u>E+0-1L2+4t2 (T001L2)</u>  Dipole 12:6+6;12  Bond (8@6+16@3+8@2)/2=56  Or <u>S000L2</u>  Dipole 12:6+6;12  Bond (8@6+24@3)/2=60</p>
17	<p><u>S000L2+2s</u>  Or <u>DT1L2</u>  13:7+6;13  Or <u>S011xL2+2t2</u>  13:5+4+8/2;13  Or <u>E-1-1L3-2V</u>  13:11+2;10</p>	<p><u>S000L2+2s</u>  Or <u>DT1L2</u>  13:7+6;13  Or <u>S011xL2+2t2</u>  13:5+4+8/2;13</p>	
18	<p><u>E-1-1L3-2s</u>  13:12+1;9</p>	<p><u>E-1-1L3-2s</u>  13:12+1;9</p>	<p><u>E-1+2L2</u>  14:7+7;14  Or <u>T001L2+4s</u>  14:7+7;14</p>
19	<p><u>E-1-1L3</u>  Dipole 13:13+0;9  Bond (12@6+8@3+16@2+2@1)/2=65</p>	<p><u>E-1-1L3</u>  Dipole 13:13+0;9  Bond (12@6+8@3+16@2+2@1)/2=65  Pretty: S000L2+2t2  Dipole 14:9+5;13  Bond (10@6+2@4+20@3+4@2+2@1)/2=69</p>	
20	<p><u>E-1-1L3+2s</u>  14:13+1;10</p>	<p><u>E-1-1L3+2s</u>  14:13+1;10</p>	<p><u>E+0+1L2-4s (T001L2+8s)</u>  16:8+8;16</p>
21	<p><u>E-1-1L3+2t2-2s</u>  15:11+4;13</p>	<p><u>E-1-1L3+2t2-2s</u>  15:11+4;13</p>	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
22	<u>DS001L3</u> (S000L2+2t3 Or S111xL2-2s) Or <u>E-1-1L3+2t2 (DS011L3)</u> 15:12+3;12	<u>DS001L3</u> (S000L2+2t3 Or S111xL2-2s) Or <u>E-1-1L3+2t2 (DS011L3)</u> 15:12+3;12	<u>E+0+1L2</u> 16:8+8;16
23	<u>S111xL2</u> Or E-1-1L3+2t2+2s 16:12+4;14 Or <u>D1L3</u> 16:13+3;13	<u>S111xL2</u> Or E-1-1L3+2t2+2s 16:12+4;14	
24	<u>S001L2 (E-1-1L3+4t2-2s)</u> Dipole 17:11+6;16 (++ axis) Bond (14@6+2@5 +32@3)/2=95 Or (S111xL2+2s Or E-1-1L3+2t2+4s) 17:12+5;15 Or <u>D1L3+2s</u> 17:13+4;14	<u>S001L2 (E-1-1L3+4t2-2s)</u> Dipole 17:11+6;16 (++ axis) Bond (14@6+2@5 +32@3)/2=95	<u>E+0-1L3-8s</u> Dipole 18:9+9;18 Bond (12@6+8@4+24@3 +4@2)/2=97
25	<u>S001xL2 (E-1-1L3+4t2)</u> 17:12+5;15 (++ axis)	<u>S001xL2 (E-1-1L3+4t2)</u> 17:12+5;15 (++ axis)	
26	<u>E+0-1L3-2V</u> 18:9+9;18 Or <u>S001xL2+2s</u> 18:11+7;17 Or <u>S111xL2+2t2</u> 18:12+6;16 Or <u>DSCSxL2</u> 18:15+3;14	<u>E+0-1L3-2V</u> 18:9+9;18	<u>E+0-1L3-4s</u> 18:9+9;18
27	<u>E+2+3oxL2</u> Or <u>S001xL2+4s</u> 19:11+8;18	<u>E+2+3oxL2</u> Or <u>S001xL2+4s</u> 19:11+8;18	
28	<u>E+0-1L3</u> Dipole 18:9+9;18 Bond (20@6+24@3 +12@2)/2=108	<u>E+0-1L3</u> Dipole 18:9+9;18 Bond (10@6+24@3 +12@2)/2=108	<u>E+0-1L3</u> Dipole 18:9+9;18 Bond (10@6+24@3 +12@2)/2=108
29	<u>S111L2+2t3</u> 19:18+1;14	<u>S111L2+4t2</u> 20:11+9;20	
30	<u>E+0-1L3+4s</u> 20:10+10;20 Or (S001L2+2t3 Or S001xL2+2t3-2s) 20:16+4;16	<u>E+0-1L3+4s</u> 20:10+10;20	<u>E+0-1L3+4s</u> 20:10+10;20
31	<u>S001xL2+2t3 (S002xL2-6s)</u> 20:17+3;16	<u>S001xL2+2t3 (S002xL2-6s)</u> 20:17+3;16	
32	<u>E+0+3oL3</u> 21:13+8;20 Or DE-1L3-4s 21:14+7;19 Or D-1L3-4s 21:16+5;18 Or <u>S112xL2</u> 21:17+4;17	<u>E+0+3oL3</u> 21:13+8;20	<u>E+0-1QxL2</u> <u>(E+0-1L2+8s)</u> 22:11+11;22

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
33	<u>E-1-1L4-2t4-2s (DE-1L3-2s)</u> 21:15+6;18 Or D-1L3-2s 21:17+4;17	<u>E-1-1L4-2t4-2s (DE-1L3-2s)</u> 21:17+4;17 (++ axis)	
34	<u>E-1-1L4-2t4 (DE-1L3)</u> 21:16+5;18 (++ axis) Or <u>S000L3-2t3 (D-1L3)</u> 21:18+3;16 (++ axis)	<u>E-1-1L4-2t4 (DE-1L3)</u> 21:16+5;18 (++ axis)	<u>E+0-1L3+4t2</u> 22:11+11;22
35	<u>DE-1L3+2s</u> 22:16+6;19 (++ axis) Or D-1L3+2s 22:18+4;18	Pretty: <u>S011L3</u> 23:14+9;22 <u>DE-1L3+2s</u> 22:16+6;19 (++ axis)	
36	<u>S011L3+2s</u> 23:14+9;22 (++ axis) Or DE-1L3+4s 23:17+6;20 ++ or z-axis Or D-1L3+4s 23:18+5;19	<u>S011L3+2s</u> 23:14+9;22 (++ axis)	<u>E+0-1L3+4t2+4s</u> 24:12+12;24
37	<u>S011xL3</u> 23:15+8;21 (++ axis) Or D-1L3+2t2 (S000L3-6s stripe) 23:17+6;20 Or <u>E-1+1L3</u> 23:18+5;19 Or DE-1L3+2t2 23:18+5;20 z-axis	<u>S011xL3</u> 23:15+8;21 (++ axis)	
38	<u>E+0-1L3+(4t3-4s)</u> 24:12+12;24 Or <u>S000L3-4s</u> Or <u>S011xL3+2s</u> 24:15+9;22 Or <u>E-1+1L3+2s</u> 24:18+6;20 Or DE-1L3+2t2+2s 24:19+5;20	<u>E+0-1L3+(4t3-4s)</u> 24:12+12;24	<u>E+0-1L3+(4t3-4s)</u> 24:12+12;24
39	<u>S000L3-2s</u> 24:16+8;22 Or DE-1L3+2t3-2s 24:20+4;19	<u>S000L3-2s</u> 24:16+8;22	
40	<u>S000L3</u> Dipole 24:15+9;22 Bond (32@6+48@3)/2=168 Or <u>E+0-1L3+4t3 (T001L3)</u> Dipole 24:13+7+8/2;22 Bond (32@6+40@3 +8@2)/2=164 Or DE-1L3+2t3 (E-1-1L4-8s stripe) 24:21+3;18	<u>S000L3</u> Dipole 24:15+9;22 Bond (32@6+48@3)/2=168 Or <u>E+0-1L3+4t3 (T001L3)</u> Dipole 24:13+7+8/2;22 Bond (32@6+40@3 +8@2)/2=164	<u>E+0-1L3+4t3 (T001L3)</u> Dipole 24:13+7+8/2;22 Bond (32@6+40@3 +8@2)/2=164
41	<u>S000L3+2s</u> 25:16+9;22 Or <u>E-1-1L4-4V</u> 25:22+3;19	<u>S000L3+2s</u> 25:16+9;22	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
42	<u>E-1-1L4-2V</u> 25:23+2;18	<u>T001L3+4s</u> 26:13+10+6/2;25	<u>T001L3+4s</u> 26:13+13;26
43	<u>E-1-1L4-2s</u> 25:24+1;18	<u>DT1L3</u> 26:14+12;26	
44	<u>E-1-1L4</u> Dipole 25:25+0;17 Bond (38@6+24@3 +24@2+2@1)/2=175	Pretty: <u>S000L3+8s</u> Dipole 28:17+11;26 Bond (32@6+24@4 +32@3)/2=192 <u>DT1L3+2s</u> 27:15+12;26	<u>T001L3+8s</u> Or E-1+2L3-4s 28:14+14
45	<u>E-1-1L4+2s</u> 26:25+1;18	<u>DT1L3+4s (equator)</u> 27:17+10;25	
46	<u>S000L3+2t3</u> 27:21+6;22 Or <u>E-1-1L4+2t2-2s</u> 27:24+3;20 Or E-1-1L4+4s 27:25+2;20	<u>E-1+2L3</u> 28:14+14;28	<u>E-1+2L3</u> Or <u>T001L3+4t2</u> 28:14+14;28
47	<u>E-1-1L4+2t2</u> 27:24+3;20	<u>S000L3+2t3+2s</u> 28:21+7;24	
48	<u>E-1-1L4+(2t3-2s)-2s</u> 28:22+6;23 Or <u>DS001L4-4s</u> Or DS011L4-4s 28:23+5;22 Or E-1-1L4+2t2+2s 28:24+4;22	<u>S000L3+2t3+4s</u> 29:21+8;25	<u>E+0+1L3-8s</u> 30:15+15;30
49	DS001L4-2s Or <u>DS011L4-2s</u> 28:24+4;22	<u>S000L3+2t3+2t2</u> 29:21+8;25	
50	<u>DS001L4</u> ( <u>S000L3+2t4</u> or <u>S111xL3-2t2</u> ) Or <u>DS011L4 (E+0-1L4-4t4 or</u> <u>E-1-1L4+2t3</u> or <u>S001xL3-2t3</u> ) 28:25+3;21	<u>E+0+1L3-4s</u> 30:15+15;30	<u>E+0+1L3-4s</u> 30:15+15;30
51	DS001L4+2s Or <u>DS011L4+2s</u> 29:25+4;22	<u>S111L3+2s</u> 30:22+8;26	
52	<u>E+0+1L3 (T001L3+4t3)</u> 30:15+15;30 Or <u>S111L3+4s</u> 30:23+7;25 Or E-1-1L4+2t3+2t2-2s 30:21+9;27 Or <u>DS011L4+4s</u> 30:25+5;24	<u>E+0+1L3 (T001L3+4t3)</u> 30:15+15;30	<u>E+0+1L3 (T001L3+4t3)</u> 30:15+15;30
53	<u>E-1-1L4+2t3+2t2</u> 30:22+8;26 Or <u>S111xL3</u> 30:24+6;24 Or D1L4 30:27+3;22	<u>E-1-1L4+2t3+2t2</u> 30:22+8;26	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
54	<u>S001L3-2s</u> (E-1-1L4+4t3-4s) 31:17+14;30 Or <u>S111xL3+2s</u> 31:24+7;26 Or D1L4+2s 31:27+4;24	<u>S001L3-2s</u> (E-1-1L4+4t3-4s) 31:17+14;30	<u>E+0-1L4-12s</u> 32:16+16;32
55	<u>S001L3</u> <u>(E-1-1L4+4t3-2s)</u> 31:18+13;30	<u>S001L3</u> <u>(E-1-1L4+4t3-2s)</u> 31:18+13;30	
56	<u>S001xL3 (E-1-1L4+4t3)</u> Dipole 31:19+12;29 Bond (50@6+60@3 +2@1)/2=241	<u>S001xL3 (E-1-1L4+4t3)</u> Dipole 31:19+12;29 Bond (50@6+60@3 +2@1)/2=241	<u>E+0-1L4-8s</u> Dipole 32:16+16;32 Bond (48@6+8@4+48@3 +8@2)/2=240
57	<u>S001xL3+2s</u> 32:19+13;30	<u>S001xL3+2s</u> 32:19+13;30	
58	<u>E+0-1L4-2V</u> 32:16+16;32	<u>E+0-1L4-2V</u> 32:16+16;32	<u>E+0-1L4-4s</u> 32:16+16;32
59	<u>S001xL3+2t2</u> 33:18+15;32	<u>S001xL3+2t2</u> 33:18+15;32	
60	<u>E+0-1L4 (T001L3+4t4)</u> Dipole 32:16+16;32 Bond (56@6+48@3 +16@2)/2=256	<u>E+0-1L4 (T001L3+4t4)</u> Dipole 32:16+16;32 Bond (48@6+48@3 +16@2)/2=256	<u>E+0-1L4 (T001L3+4t4)</u> Dipole 32:16+16;32 Bond (48@6+48@3 +16@2)/2=256
61	<u>S001xL3+2t3-2s</u> 34:17+10+14/2;32	<u>S001xL3+2t3-2s</u> 34:17+10+14/2;32	
62	<u>E+0-1L4+4s</u> 34:17+17;34 Or <u>S001xL3+2t3</u> 34:18+9+14/2;31	<u>E+0-1L4+4s</u> 34:17+17;34	<u>E+0-1L4+4s</u> 34:17+17;34
63	<u>S001xL3+2t3+2s</u> 35:18+10+14/2;33 Or S001xL3+2h2 35:19+9+14/2;32 Or S001L3+2t4-4s 35:20+8+14/2;31	<u>S001xL3+2t3+2s</u> 35:18+10+14/2;33	
64	<u>S001xL3+2t4-4s</u> 35:20+8+14/2;31 Or S001L3+2t4-2s 35:21+7+14/2;31	<u>S001xL3+2t4-4s</u> 35:20+8+14/2;31	<u>E+0-1L4+8s</u> 36:18+18;36
65	<u>S001xL3+2t4-2s</u> 35:21+7+14/2;31 Or S001L3+2t4 35:22+6+14/2;30	<u>S001xL3+2t4-2s</u> 35:21+7+14/2;31	
66	<u>S001xL3+2t4</u> 35:22+6+14/2;30	<u>E+0-1L4+4t2</u> 36:18+18;36	<u>E+0-1L4+4t2</u> 36:18+18;36
67	<u>D-1L4-6s</u> 36:24+12;32 Or S001xL3+2t4+2s 36:22+7+14/2;31 Or DE-1L4-6s 36:26+10;31	<u>D-1L4-6s</u> 36:24+12;32	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
68	<u>D-1L4-4s</u> 36:25+11;32 Or DE-1L4-4s 36:27+9;30	<u>D-1L4-4s</u> 36:25+11;32	<u>E+0-1L4+4t2+4s</u> 38:19+19;38
69	<u>D-1L4-2s</u> 36:26+10;31 Or DE-1L4-2s 36:28+8;30	<u>E+0+3oL4</u> 37:25+12;33	
70	<u>D-1L4 (S000L4-2t4)</u> 36:27+9;30 (++ axis) Or <u>E-1-1L5-2t5 (DE-1L4)</u> 36:29+7;29 (++ axis)	<u>E+0-1L4+4t3-4s</u> 38:19+19;38	<u>E+0-1L4+4t3-4s</u> 38:19+19;38
71	<u>D-1L4+2s</u> 37:27+10;32 Or DE-1L4+2s 37:29+8;30 (++ axis)	<u>S002L3+2s</u> 38:25+13;34	
72	<u>E+0-1L4+4t3</u> 38:19+19;38 Or <u>(S002xL3</u> Or <u>D-1L4+2t2-2s)</u> 38:26+12;34 Or D-1L4+4s 38:27+11;33 Or DE-1L4+2t2-2s 38:28+10;32 z or ++ axis Or DE-1L4+4s 38:29+9;32 ++ axis	<u>E+0-1L4+4t3</u> 38:19+19;38	<u>E+0-1L4+4t3</u> 38:19+19;38
73	<u>D-1L4+2t2</u> 38:26+12;34 Or DE-1L4+2t2 38:29+9;32 z-axis	<u>D-1L4+2t2</u> 38:26+12;34	
74	<u>S011L4</u> Or <u>D-1L4+2t2+2s</u> 39:26+13;35 Or DE-1L4+2t2+2s 39:30+9;32 z-axis	<u>S011L4</u> Or <u>D-1L4+2t2+2s</u> 39:26+13;35	<u>E+0-1L4+4t3+4s</u> Or <u>E+0-1L4+4h2</u> 40:20+20;40
75	<u>D-1L4+2t3-2s</u> 39:25+14;36 Or <u>S011L4+2s</u> 39:27+12;34 Or DE-1L4+2t3-2s 39:31+8;32	<u>D-1L4+2t3-2s</u> 39:25+14;36	
76	<u>D-1L4+2t3</u> (S000L4-8s stripe) 39:24+15;36 Or <u>S011xL4</u> 39:28+11;34 (++ axis) Or DE-1L4+2t3 39:32+7;32 Or <u>E-1+1L4</u> 39:32+7;31	<u>D-1L4+2t3</u> 39:24+15;36	<u>T001L4-8s</u> 40:20+20;40

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
77	<u>S000L4-6s</u> 40:22+18;39 Or <u>S011xL4+2s</u> 40:19+13+16/2;38 Or DE-1L4+2t3+2s Or DE-1L4+2h2 40:33+7;32 Or E-1+1L4+2s 40:32+8;32	<u>S000L4-6s</u> 40:22+18;39	
78	<u>T001L4-4s</u> 40:20+20;40 Or <u>S000L4-4s</u> 40:21+19;40 Or DE-1L4+2t4-4s 40:34+6;31	<u>T001L4-4s</u> 40:20+20;40	Pretty: <u>E+0-1L4+4t3+4t2</u> 42:21+21;42 Or <u>T001L4-4s</u> 40:20+20;40
79	<u>S000L4-2s</u> 40:22+18;39 Or DE-1L4+2t4-2s 40:35+5;30	<u>S000L4-2s</u> 40:22+18;39	
80	<u>E+0-1L4+4t4 (T001L4)</u> Dipole 40:20+20;40 Bond (80@6+72@3 +8@2)/2=356 Or <u>S000L4</u> Dipole 40:21+19;40 Bond (80@6+80@3)/2=360 Or DE-1L4+2t4 (E-1-1L5-10s stripe) 40:36+4;30	Pretty: <u>S000L4</u> Dipole 40:21+19;40 Bond (80@6+80@3)/2=360 Or <u>E+0-1L4+4t4 (T001L4)</u> Dipole 40:20+20;40 Bond (80@6+72@3 +8@2)/2=356	<u>E+0-1L4+4t4 (T001L4)</u> Dipole 40:20+20;40 Bond (80@6+72@3 +8@2)/2=356
81	<u>S000L4+2s</u> 41:22+19;40 Or <u>E-1-1L5-4V</u> 41:37+4;30	<u>S000L4+2s</u> 41:22+19;40	
82	E-1-1L5-2V-2s 41:38+3;30	<u>E+0-1L4+4t4+4s</u> <u>(T001L4+4s)</u> 42:21+21;42	<u>T001L4+4s</u> 42:21+21;42
83	E-1-1L5-2V 41:39+2;29	<u>S000L4+2t2</u> 42:24+18;40	
84	E-1-1L5-2s 41:40+1;28	<u>S000L4+2t2+2s</u> 43:24+19;42	<u>E+1+2xL3</u> Or <u>T001L4+8s</u> 44:22+22;44
85	<u>E-1-1L5</u> 41:41+0;28	<u>S000L4+2t3-2s</u> 43:25+18;41	
86	E-1-1L5+2s 42:41+1;29	<u>DT1L4</u> Or <u>S000L4+2t3</u> 43:26+17;40	<u>T001L4+4t2</u> 44:22+22;44
87	E-1-1L5+2t2-2s 43:39+4;32 Or E-1-1L5+4s 43:41+2;30	<u>S000L4+2h2</u> Or <u>DT1L4+2s</u> 44:27+17;41	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
88	E-1-1L5+2t2 43:40+3;31	<a href="#">S000L4+2t4-4s</a> Or <a href="#">DT1L4+4s (equator)</a> 44:28+16;40	<a href="#">E-1+2L4-2V</a> Or E+1+2xL3+8s (equator) Or <a href="#">T001L4+4t2+4s</a> 46:23+23;46
89	<a href="#">S000L4+2t4-2s</a> 44:29+15;40 Or <a href="#">E-1-1L5+2t3-2V</a> 44:36+8;35 Or E-1-1L5+2t2+2s 44:40+4;32	Pretty: <a href="#">S111L4-18s 3 stripes</a> 45:24+21;44 Or <a href="#">S000L4+2t4-2s</a> 44:29+15;40	
90	<a href="#">S000L4+2t4</a> 44:28+16;40 Or <a href="#">E-1-1L5+2t3-2s</a> 44:37+7;35	Pretty: <a href="#">S111L4-18s+2s</a> 46:25+21;45 <a href="#">S000L4+2t4</a> 44:28+16;40	<a href="#">E-1+2L4-2V</a> Or <a href="#">T001L4+4t3-4s</a> 46:23+23;46
91	<a href="#">E-1-1L5+2t3</a> 44:38+6;34	<a href="#">S000L4+2t4+2s</a> 45:28+17;41	
92	<a href="#">DS001L5-6s</a> Or DS011L5-6s (E-1-1L5+2h2) 45:32+13;39 Or <a href="#">E-1-1L5+2t3+2s</a> 45:38+7;35	<a href="#">E-1+2L4</a> Or <a href="#">T001L4+4t3</a> 46:23+23;46	<a href="#">E-1+2L4</a> Or <a href="#">T001L4+4t3</a> 46:23+23;46
93	<a href="#">DS001L5-4s</a> Or DS011L5-4s 45:33+12;38	<a href="#">S012L4</a> 47:29+18;44 (++ axis)	
94	<a href="#">DS001L5-2s</a> Or DS011L5-2s 45:34+11;38	<a href="#">S012L4+2s</a> 47:24+14+18/2;44 (z-axis)	<a href="#">E+0+1L4-12s</a> 48:24+24;48
95	<a href="#">DS001L5</a> ( <a href="#">S000L4+2t5</a> or <a href="#">S111xL4-2t3</a> ) Or <a href="#">E-1-1L5+2t4 (DS011L5)</a> Or S001xL4-2t4 45:35+10;37	<a href="#">S111L4-6s (equator)</a> 47:27+20;45	
96	<a href="#">DS001L5+2s</a> Or DS011L5+2s 46:35+11;38 Or S001xL4-2t4+2s 46:35+11;38	<a href="#">S012xL4</a> 47:26+12+18/2;43	<a href="#">E+0+1L4-8s</a> 48:24+24;48
97	DS001L5+2t2-2s Or DS011L5+2t2-2s 47:33+14;41 Or <a href="#">E-1-1L5+4t3</a> Or DS001L5+4s Or DS011L5+4s 47:35+12;38	<a href="#">S111L4-2s</a> 48:29+19;45	
98	<a href="#">DS001L5+2t2</a> Or DS011L5+2t2 47:34+13;40	<a href="#">E+0+1L4-4s</a> 48:24+24;48	<a href="#">E+0+1L4-4s</a> 48:24+24;48
99	<a href="#">S111L4+2s</a> 48:31+17;44	<a href="#">S111L4+2s</a> 48:31+17;44	
100	<a href="#">E+0+1L4</a> 48:24+24;48 Or <a href="#">S111L4+4s</a> 48:31+17;43	<a href="#">E+0+1L4</a> 48:24+24;48	<a href="#">E+0+1L4</a> 48:24+24;48

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
101	<u>S111xL4</u> 48:33+15;42 (++ axis)	<u>S001L4-6s</u> 49:27+22;48	
102	<u>S001L4-4s</u> 49:29+20;46 Or <u>S111xL4+2s</u> 49:32+17;44	<u>S001L4-4s</u> 49:29+20;46	<u>E+0-1L5-16s</u> 50:25+25;50
103	<u>S001L4-2s</u> 49:30+19;46	<u>S001L4-2s</u> 49:30+19;46	
104	<u>S001L4 (E-1-1L5+4t4-2s)</u> 49:31+18:45 (++ axis)	<u>S001L4 (E-1-1L5+4t4-2s)</u> 49:31+18:45 (++ axis)	<u>E+0-1L5-12s</u> 50:25+25;50
105	<u>S001xL4 (E-1-1L5+4t4)</u> 49:32+17;44 (++ axis)	<u>S001L4+2s face</u> 50:31+19;46	
106	<u>E+0-1L5-8s (4V (small))</u> Or <u>2V (large)</u> 50:25+25;50 Or <u>S001xL4+2s</u> 50:32+18;46	<u>E+0-1L5-8s (4V (small))</u> Or <u>2V (large)</u> 50:25+25;50	<u>E+0-1L5-8s (4V (small))</u> Or <u>2V (large)</u> 50:25+25;50
107	<u>S001L4+2t2</u> Or <u>S111xL4+2t3</u> 51:29+22;49 Or <u>S001xL4+4s</u> 51:32+19;47	<u>S001L4+2t2</u> Or <u>S111xL4+2t3</u> 51:29+22;49	
108	<u>E+0-1L5-2V (small)</u> 50:25+25;50	<u>E+0-1L5-2V (small)</u> 50:25+25;50	<u>E+0-1L5-4s</u> 50:25+25;50
109	<u>S001L4+2t3-2s</u> 52:27+20+10/2;50 (y-axis) Or D-1L5-32s Or DE-1L5-32s 52:30+22;50 Or <u>S001xL4+2t2+2s</u> 52:31+21;49 (++ axis)	<u>S001L4+2t3-2s</u> 52:27+20+10/2;50	
110	<u>E+0-1L5</u> Dipole 50:25+25;50 Bond (70@6+80@3 +20@2)/2=350	<u>E+0-1L5</u> Dipole 50:25+25;50 Bond (70@6+80@3 +20@2)/2=350	<u>E+0-1L5</u> Dipole 50:25+25;50 Bond (70@6+80@3 +20@2)/2=350
111	<u>S001xL4+2t3</u> 52:28+19+10/2;49	<u>S001xL4+2t3</u> 52:28+19+10/2;49	
112	<u>E+0-1L5+4s</u> 52:26+26;52	<u>E+0-1L5+4s</u> 52:26+26;52	<u>E+0-1L5+4s</u> 52:26+26;52
113	D-1L5-24s 53:34+19;48 Or DE-1L5-24s 53:36+17;47 Or S001xL4+2t4-4s 53:34+14+10/2;46 Or S001L4+2t4-2s 53:35+13+10/2;46	Pretty: <u>S112L4-18s 3 stripes</u> 54:28+26;54	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
114	D-1L5-22s 53:35+18;48 Or DE-1L5-22s 53:37+16;46 Or S001xL4+2t4-2s 53:35+13+10/2;46 Or <a href="#">S001L4+2t4</a> 53:36+12+10/2;45	<a href="#">E+0-1L5+8s</a> 54:27+27;54	<a href="#">E+0-1L5+8s</a> 54:27+27;54
115	D-1L5-2h5+2t5 53:36+17;47 Or DE-1L5-20s 53:38+15;45 Or <a href="#">S001xL4+2t4</a> 53:36+12+10/2;45	<a href="#">S001xL4+4t3-4s</a> 55:31+24;53	
116	<a href="#">E+0-1L5+4t2</a> 54:27+27;54 Or D-1L5-18s 54:37+17;48 Or DE-1L5-18s 54:39+15;46 Or S001xL4+2t4+2s 54:36+13+10/2;47 Or <a href="#">S001L4+2h3</a> large face 54:38+11+10/2;45 Or DS011L5 (S112L5-2t3 or S001L4+2h3 small face) 54:43+11;44	<a href="#">E+0-1L5+4t2</a> 54:27+27;54	<a href="#">E+0-1L5+4t2</a> 54:27+27;54
117	<a href="#">D-1L5-16s</a> 54:38+16;47 Or <a href="#">DE-1L5-16s</a> 54:40+14;45 Or S001xL4+2h3 54:38+11+10/2;45 Or S001L4+2t5-4s 54:39+10+10/2;45 Or DS011L5+2s 54:44+10;43	<a href="#">S001xL4+4t3</a> 55:32+23;53	
118	D-1L5-14s 54:39+15;46 Or <a href="#">DE-1L5-14s</a> 54:41+13;45 Or S001xL4+2t5-4s 54:39+10+10/2;45 Or S001L4+2t5-2s 54:40+9+10/2;44 Or DS011L5+4s 54:45+9;42	<a href="#">E+0-1L5+4t2+4s</a> 56:28+28;56	<a href="#">E+0-1L5+4t2+4s</a> 56:28+28;56

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
119	<u>D-1L5-12s</u> 54:40+14;46 Or DE-1L5-12s 54:42+12;44 Or S001xL4+2t5-2s 54:40+9+10/2;44 Or S001L4+2t5 54:41+8+10/2;43 Or DS011L5+6s 54:46+8;42	<u>E+0+2L4-2s</u> 56:34+22;52	
120	D-1L5-10s (equator) 54:41+13;45 Or DE-1L5-10s (equator) 54:43+11;44 Or S001xL4+2t5 54:41+8+10/2;43 Or DS011xL5 54:47+7;41	<u>E+0-1L5+4t3-4s</u> 56:28+28;56	<u>E+0-1L5+4t3-4s</u> 56:28+28;56
121	(D-1L5-10s)+2s 55:41+14;46 Or <u>(DE-1L5-10s)+2s</u> 55:43+12;45 Or D-1L5-8s 55:42+13;45 Or DE-1L5-8s 55:44+11;44 Or S001xL4+2t5+2s 55:41+9+10/2;45 Or S001L4+2h4a 55:44+6+10/2;43 Or DS011xL5+2s 55:47+8;42	<u>S001xL4+2t4+2t3</u> 56:30+26;55	
122	D-1L5-6s 55:43+12;45 Or DE-1L5-6s 55:45+10;44	<u>E+0-1L5+4t3</u> 56:28+28;56	Pretty: E+0-1L5+8t2 58:29+29;58 Or <u>E+0-1L5+4t3</u> 56:28+28;56
123	D-1L5-4s 55:44+11;44 Or DE-1L5-4s 55:46+9;43	Pretty: <u>S001xL4+4t4-4s</u> <u>(E+1+1xL4-4s)</u> 57:38+19;51 Or <u>S002L4-10s</u> 57:33+24;54	
124	D-1L5-2s 55:45+10;44 Or DE-1L5-2s 55:47+8;42	Pretty: <u>S001L4+4t4</u> <u>(E+1+1L4)</u> 57:40+17;50 Or <u>S002L4-8s</u> 57:34+23;54	<u>E+0-1L5+4t3+4s</u> Or <u>E+0-1L5+4h2</u> 58:29+29;58
125	<u>D-1L5 (S000L5-2t5)</u> 55:46+9;43 (++ axis) Or <u>DE-1L5 (E-1-1L6-2t6)</u> 55:48+7;42 (++ axis)	Pretty: <u>S001xL4+4t4</u> <u>(E+1+1xL4)</u> 57:39+18;50 Or <u>S002xL4-8s</u> 57:35+22;53	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
126	D-1L5+2s 56:46+10;44 Or DE-1L5+2s 56:48+8;43	<a href="#">E+0-1L5+4t4-8s</a> 58:29+29;58	<a href="#">E+0-1L5+4t4-8s</a> 58:29+29;58
127	(D-1L5-2s) +2t2 57:45+12;46 Or D-1L5+4s 57:46+11;46 Or (DE-1L5-2s)+2t2 57:47+10;45 Or DE-1L5+4s 57:48+9;44	<a href="#">S002L4-2s</a> 58:35+23;54	
128	D-1L5+2t2 57:45+12;46 Or DE-1L5+2t2 57:47+10;45	<a href="#">E+0-1L5+4t4-4s</a> 58:29+29;58	<a href="#">E+0-1L5+4t4-4s</a> 58:29+29;58
129	<a href="#">S002L4+2s vertex</a> 58:37+21;53 Or D-1L5+2t2+2s 58:45+13;48 Or DE-1L5+2t2+2s 58:47+11;46 (++ axis)	<a href="#">S002L4+2s face</a> 59:36+23;55	
130	<a href="#">E+0-1L5+4t4</a> 58:29+29;58 Or <a href="#">S002xL4</a> 58:38+20;52 Or D-1L5+2t3-2s 58:44+14;48 Or DE-1L5+2t3-2s 58:46+12;47 (++ or z-axis) Or H001xL5 58:?	<a href="#">E+0-1L5+4t4</a> 58:29+29;58	<a href="#">E+0-1L5+4t4</a> 58:29+29;58
131	D-1L5+2t3 58:43+15;49 Or DE-1L5+2t3 58:45+13;48 (z-axis)	<a href="#">S011L5-4s</a> 59:28+20+22/2;57	
132	<a href="#">S011L5-2s</a> 59:27+21+22/2;57 Or D-1L5+2t3+2s Or D-1L5+2h2 59:43+16;50 Or DE-1L5+2t3+2s 59:46+13;48 Or DE-1L5+2h2 59:47+12;48	<a href="#">S011L5-2s</a> 59:27+21+22/2;57	<a href="#">E+0-1L5+4t4+4s</a> 60:30+30;60
133	<a href="#">S011L5</a> 59:28+20+22/2;57 Or D-1L5-4s+2t4 (S000L5-14s) 59:42+17;51 Or DE-1L5-4s+2t4 59:48+11;47	<a href="#">S011L5</a> 59:28+20+22/2;57	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
134	<u>S011L5+2s</u> 59:28+20+22/2;57 Or D-1L5-2s+2t4 (S000L5-12s) 59:41+18;52 Or DE-1L5-2s+2t4 59:49+10;46	<u>S011L5+2s</u> 59:28+20+22/2;57	Pretty: <u>E+0-1L5+8t3</u> 62:31+31;62 Or <u>E+0-1L5+4h3</u> (T001L5-12s) 60:30+30;60
135	<u>S011xL5</u> 59:29+19+22/2;56 Or D-1L5+2t4 (S000L5-10s stripe) 59:40+19;52 Or DE-1L5+2t4 Or <u>E-1+1L5</u> 59:50+9;46	<u>S011xL5</u> 59:29+19+22/2;56	
136	<u>E+0-1L5+4t5-8s</u> (T001L5-8s) 60:30+30;60 Or S011xL5+2s 60:29+20+22/2;57 Or <u>S000L5-2V</u> 60:36+24;56 Or DE-1L5-2s+2h3 60:51+9;46	<u>E+0-1L5+4t5-8s</u> (T001L5-8s) 60:30+30;60	<u>E+0-1L5+4t5-8s</u> (T001L5-8s) 60:30+30;60
137	<u>S000L5-6s</u> 60:37+23;56 Or DE-1L5+2h3 60:52+8;46	<u>S000L5-6s</u> 60:37+23;56	
138	<u>E+0-1L5+4t5-4s</u> (T001L5-4s) 60:30+30;60 <u>S000L5-4s</u> 60:36+24;60 Or DE-1L5-4s+2t5 60:53+7;45	<u>E+0-1L5+4t5-4s</u> (T001L5-4s) 60:30+30;60	<u>E+0-1L5+4t5-4s</u> (T001L5-4s) 60:30+30;60
139	<u>S000L5-2s</u> 60:37+23;56 Or DE-1L5-2s+2t5 60:54+6;44	<u>S000L5-2s</u> 60:37+23;56	
140	<u>E+0-1L5+4t5 (T001L5)</u> Dipole 60:30+30;60 Bond (160@6+112@3 +8@2)/2=656 Or <u>S000L5</u> Dipole 60:36+24;56 Bond (160@6+120@3)/2=660 Or DE-1L5+2t5 (E-1-1L6-12s stripe) 60:55+5;44	<u>E+0-1L5+4t5 (T001L5)</u> Dipole 60:30+30;60 Bond (160@6+112@3 +8@2)/2=656	<u>E+0-1L5+4t5 (T001L5)</u> Dipole 60:30+30;60 Bond (160@6+112@3 +8@2)/2=656
141	<u>S000L5+2s</u> 61:37+24;57 Or E-1-1L6-6V Or DE-1L5+2t5+2s 61:56+5;44	<u>S000L5+2s</u> 61:37+24;57	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
142	E-1-1L6-4V 61:57+4;44	<a href="#">T001L5+4s</a> 62:31+31;62	Pretty: <a href="#">E+0-1L5+4t4+4t3</a> 64:32+32;64 Or <a href="#">T001L5+4s</a> 62:31+31;62
143	E-1-1L6-4V 61:58+3;43	Pretty: <a href="#">S000L5+2t2</a> 62:39+23;57 Or <a href="#">DT1L5-14s</a> 63:33+30;62	
144	E-1-1L6-2V 61:59+2;42	<a href="#">DT1L5-12s</a> 63:34+29;62	<a href="#">T001L5+8s</a> 64:32+32;64
145	E-1-1L6-2s 61:60+1;42	<a href="#">DT1L5-10s stripe</a> 63:35+28;61	
146	<a href="#">E-1-1L6</a> 61:61+0;41	Pretty: <a href="#">S000L5+2t3</a> 63:42+21;56 Or <a href="#">T001L5+4t2</a> 64:32+32;64	<a href="#">T001L5+4t2</a> 64:32+32;64
147	E-1-1L6+2s 62:61+1;42	<a href="#">DT1L5-6s</a> 64:37+27;61	
148	E-1-1L6+2t2-2s 63:59+4;45 Or E-1-1L6+4s 63:61+2;43	<a href="#">DT1L5-4s</a> 64:38+26;60	<a href="#">E+1+2L4</a> Or <a href="#">T001L5+4t2+4s</a> 66:33+33;66
149	E-1-1L6+2t2 63:60+3;44	<a href="#">DT1L5-2s</a> 64:39+25;60	
150	<a href="#">S000L5+2t4</a> Or <a href="#">DT1L5</a> 64:40+24;59 E-1-1L6+2t3-2V 64:56+8;48 Or E-1-1L6+(2t3-2s)-2s 64:58+6;47 Or E-1-1L6+2t2+2s 64:60+4;45	<a href="#">DT1L5-2s+2s (elsewhere)</a> 65:39+26;61	<a href="#">E+1+2xL4</a> Or <a href="#">T001L5+4t3-4s</a> 66:33+33;66
151	E-1-1L6+2t3-2s 64:57+7;48 Or E-1-1L6+(2t3-2s) pentet 64:59+5;46	<a href="#">DT1L5-2s+4s (elsewhere)</a> 66:39+27;62	
152	E-1-1L6+2t3 64:58+6;47	<a href="#">T001L5+4t3</a> 66:33+33;66	<a href="#">T001L5+4t3</a> 66:33+33;66
153	<a href="#">S000L5+2t5-4s</a> 65:43+22;58 Or E-1-1L6+2t4-4V 65:52+13;52 Or E-1-1L6+(2t4-2s)-2V 65:54+11;51 Or E-1-1L6+(2t4-4s)-2s 65:56+9;50 Or (E-1-1L6+2t3+2s Or E-1-1L6+2h2) 65:58+7;48	<a href="#">DT1L5+2t2</a> 66:39+27;62	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
154	<a href="#">S000L5+2t5-2s</a> 65:44+21;58 Or E-1-1L6+2t4-2V 65:53+12;52 Or E-1-1L6+(2t4-2s)-2s 65:55+10;50 Or E-1-1L6+(2t4-4s) octet 65:57+8;49	<a href="#">S1E+2xL5</a> 67:37+30;65	<a href="#">E-1+2L5-4V</a> Or T001L5+4t3+4s Or <a href="#">T001L5+4h2</a> 68:34+34;68
155	<a href="#">S000L5+2t5</a> 65:45+20;57 Or E-1-1L6+2t4-2s 65:54+11;51 Or E-1-1L6+(2t4-2s) nonet 65:56+9;50	<a href="#">DT1L5+2t3-2s</a> 67:33+24+20/2;64	
156	E-1-1L6+2t4 65:55+10;50	<a href="#">S111L5-30s 3 stripes</a> 67:36+31;66	<a href="#">E-1+2L5-2V</a> Or T001L5+4t4-8s 68:34+34;68
157	E-1-1L6+2t5-4V 66:47+19;57 Or E-1-1L6+(2t5-2s)-2V-2s 66:49+17;56 Or E-1-1L6+(2t5-4s)-2V 66:51+15;54 Or E-1-1L6+2h3-2s 66:53+13;53 Or E-1-1L6+2t4+2s 66:55+11;52	<a href="#">DT1L5+2t3+2s</a> Or DT1L5+2h2 68:32+26+20/2;66	
158	E-1-1L6+2t5-2V-2s 66:48+18;56 Or E-1-1L6+(2t5-2s)-2V 66:50+16;55 Or E-1-1L6+(2t5-4s)-2s 66:52+14;54 Or E-1-1L6+2h3 Or S000L5+2h4a 66:54+12;52	<a href="#">E-1+2L5-2V</a> 68:34+34;68	<a href="#">E-1+2L5-2V</a> Or T001L5+4t4-4s 68:34+34;68
159	E-1-1L6+2t5-2V 66:49+17;56 Or E-1-1L6+(2t5-2s)-2s 66:51+15;54 Or E-1-1L6+(2t5-4s) 66:53+13;53	Pretty: <a href="#">S111L5-24s+2t2</a> 69:39+30;66 <a href="#">DT1L5+2t4-2s</a> 68:30+28+20/2;68	
160	E-1-1L6+2t5-2s 66:50+16;55 Or E-1-1L6+(2t5-2s) 66:52+14;54	<a href="#">E-1+2L5</a> 68:34+34;68	<a href="#">E-1+2L5</a> Or T001L5+4t4 68:34+34;68
161	S000L5+2t6 (DS001L5) Or E-1-1L6+2t5 (DS011L6) 66:51+15;54	<a href="#">DT1L5+2t4+2s</a> 69:30+29+20/2;69	
162	E-1-1L6+2t5+2s 67:51+16;55	<a href="#">DT1L5+2h3</a> 69:36+33;68	T001L5+4t4+4s Or <a href="#">E+0+1L5-16s</a> 70:35+35;70

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
163	E-1-1L6+2t5+2t2-2s 68:50+18;57 Or E-1-1L6+2t5+4s 68:51+17;56	<a href="#"><u>DT1L5+2t5-4s</u></a> 69:37+32;68	
164	E-1-1L6+2t5+2t2 68:51+17;56	<a href="#"><u>DT1L5+2t5-2s</u></a> 69:38+31;67	<a href="#"><u>E+0+1L5-12s</u></a> 70:35+35;70
165	<a href="#"><u>DT1L5+2t5</u></a> 69:39+30;66 <a href="#"><u>S012xL5</u></a> 69:38+20+22/2;63 Or E-1-1L6+2t5+2t3-2s 69:46+23;60 Or (E-1-1L6+2t5+(2t3-2s) Or E-1-1L6+4t4-2s) 69:48+21;60 Or E-1-1L6+2t5+2t2+2s 69:51+18;58	<a href="#"><u>DT1L5+2t5</u></a> 69:39+30;66	
166	E-1-1L6+2t5+2t3-2s 69:47+22;61 Or <a href="#"><u>E-1-1L6+4t4</u></a> 69:49+20;60	<a href="#"><u>E+0+1L5-8s</u></a> 70:35+35;70	<a href="#"><u>E+0+1L5-8s</u></a> 70:35+35;70
167	E-1-1L6+2t5+2t3 69:48+21;60	<a href="#"><u>S001L5-16s</u></a> 70:~36+34;70	
168	<a href="#"><u>E+0+1L5-4s</u></a> 70:35+35;70 Or E-1-1L6+2t5+2t4-2V-2s 70:42+28;66 Or E-1-1L6+2t5+(2t4-2s)-2V 70:44+26;64 Or E-1-1L6+2t5+(2t4-4s)-2s 70:46+24;62 Or( E-1-1L6+2t5+2h2 Or <a href="#"><u>S111L5</u></a> Or E-1-1L6+2t5+2t3+2s) 70:48+22;62	<a href="#"><u>E+0+1L5-4s</u></a> 70:35+35;70	<a href="#"><u>E+0+1L5-4s</u></a> 70:35+35;70
169	E-1-1L6+2t5+2t4-2V 70:43+27;65 Or E-1-1L6+2t5+(2t4-2s)-2s 70:45+25;64 Or E-1-1L6+2t5+(2t4-4s) 70:47+23;62 Or <a href="#"><u>S111L5+2s vertex</u></a> 70:49+21;61	<a href="#"><u>S001L5-12s</u></a> 71:37+34;70	
170	<a href="#"><u>E+0+1L5</u></a> 70:35+35;70 Or E-1-1L6+2t5+2t4-2s 70:44+26;64 Or E-1-1L6+2t5+(2t4-2s) 70:46+24;62 Or <a href="#"><u>S111L5+4s vertex</u></a> 70:50+20;60	<a href="#"><u>E+0+1L5</u></a> 70:35+35;70	<a href="#"><u>E+0+1L5</u></a> 70:35+35;70

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
171	E-1-1L6+2t5+2t4 70:45+25;64 Or <a href="#">S111xL5</a> 70:51+19;60	<a href="#">S001L5-8s</a> 71:36+35;71	
172	E-1-1L6+4t5-4V Or <a href="#">S001L5-2t2</a> 71:37+34;70 Or E-1-1L6+2t5+2t4+2s 71:45+25;64 Or <a href="#">S111xL5+2s</a> 71:51+20;61	E-1-1L6+4t5-4V Or <a href="#">S001L5-2t2</a> 71:37+34;70	E+0+1L5+4s Or <a href="#">E+0-1L6-20s</a> 72:36+36;72
173	E-1-1L6+4t5-4V ( <a href="#">S001L5-4s</a> ) 71:38+33;70	E-1-1L6+4t5-4V ( <a href="#">S001L5-4s</a> ) 71:38+33;70	
174	E-1-1L6+4t5-2V ( <a href="#">S001L5-2s</a> ) 71:39+32;70	Pretty: <a href="#">E-1-1L6+8h2</a> 77:49+28;70 E-1-1L6+4t5-2V ( <a href="#">S001L5-2s</a> ) 71:39+32;70	<a href="#">E+0-1L6-16s</a> 72:36+36;72
175	<a href="#">E-1-1L6+4t5-2s</a> ( <a href="#">S001L5</a> ) 71:40+31;68	<a href="#">E-1-1L6+4t5-2s</a> ( <a href="#">S001L5</a> ) 71:40+31;68	
176	<a href="#">E-1-1L6+4t5</a> ( <a href="#">S001xL5</a> ) 71:41+30;68	<a href="#">E-1-1L6+4t5</a> ( <a href="#">S001xL5</a> ) 71:41+30;68	<a href="#">E+0-1L6-12s</a> 72:36+36;72
177	<a href="#">S001xL5+2s</a> 72:41+31;69	<a href="#">S001xL5+2s</a> 72:41+31;69	
178	<a href="#">E+0-1L6-8s (4V (small))</a> Or 2V (large)) 72:36+36;72	<a href="#">E+0-1L6-8s (4V (small))</a> Or 2V (large)) 72:36+36;72	<a href="#">E+0-1L6-8s (4V (small))</a> Or 2V (large)) 72:36+36;72
179	<a href="#">S001xL5+2t2</a> 73:40+33;71	<a href="#">S001xL5+2t2</a> 73:40+33;71	
180	<a href="#">E+0-1L6-2V</a> 72:36+36;72	<a href="#">E+0-1L6-2V</a> 72:36+36;72	<a href="#">E+0-1L6-4s</a> 72:36+36;72
181	<a href="#">S001xL5+2t3-2s</a> 74:36+31+14/2;73 Or <a href="#">S001L5+2t3</a> 74:37+30+14/2;72	<a href="#">S001xL5+2t3-2s</a> 74:36+31+14/2;73	
182	<a href="#">E+0-1L6</a> Dipole 72:36+36;72 Bond (220@6+120@3 +24@2)/2=864	<a href="#">E+0-1L6</a> Dipole 72:36+36;72 Bond (220@6+120@3 +24@2)/2=864	<a href="#">E+0-1L6</a> Dipole 72:36+36;72 Bond (220@6+120@3 +24@2)/2=864
183	<a href="#">D-1L6-40s (D-2L5+2t5-4s)</a> 75:40+35;74 Or <a href="#">S001xL5+2t3+2s</a> 75:37+31+14/2;73 Or <a href="#">S001L5+2t4-4s</a> 75:38+30+14/2;73 Or DE-1L6-40s 75:46+29;70	<a href="#">D-1L6-40s (D-2L5+2t5-4s)</a> 75:40+35;74 Or Pretty: <a href="#">E-1-1L6+(8t4-4s)-2s</a> 77:39+38;77	
184	<a href="#">E+0-1L6+4s</a> 74:37+37;74	<a href="#">E+0-1L6+4s</a> 74:37+37;74	<a href="#">E+0-1L6+4s</a> 74:37+37;74

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
185	<u>D-1L6-36s (D-2L5+2t5)</u> 75:42+33;72 Or <u>S001xL5+2t4-2s</u> 75:41+27+14/2;71 Or DE-1L6-36s 75:48+28;70 Or S001L5+2t4 75:42+26+14/2;70	<u>D-1L6-36s (D-2L5+2t5)</u> 75:42+33;72 Or Pretty: <u>E-1-1L6+8t4-2s</u> 77:40+37;76	
186	<u>S001xL5+2t4</u> 75:42+26+14/2;70 Or DE-1L6-34s 75:49+27;69	<u>E+0-1L6+8s</u> 76:38+38;76	<u>E+0-1L6+8s</u> 76:38+38;76
187	<u>D-1L6-32s</u> 76:44+32;72 Or <u>S001xL5+2t4+2s</u> 76:42+27+14/2;71 Or S001L5+2h3 76:44+25+14/2;70 Or DE-1L6-32s 76:50+26;68	Pretty <u>S001xL5+(2t4-4s)+2t2</u> 77:39+31+14/2;75 Or <u>D-1L6-32s</u> 76:44+32;72	
188	<u>E+0-1L6+4t2</u> 76:38+38;76 Or D-1L6-30s 76:45+31;71 Or S001xL5+2h3 76:44+25+14/2;70 Or DE-1L6-30s 76:51+25;67	<u>E+0-1L6+4t2</u> 76:38+38;76	<u>E+0-1L6+4t2</u> 76:38+38;76
189	D-1L6-28s 76:46+30;71 Or S001xL5+2t5-4s 76:45+24+14/2;69 Or DE-1L6-28s 76:52+24;67	<u>S001xL5+4t3+2s</u> 78:42+36;76	
190	D-1L6-26s 76:47+29;70 Or S001xL5+2t5-2s 76:46+23+14/2;69 Or DE-1L6-26s 76:53+23;66	<u>E+0-1L6+4t2+4s</u> 78:39+39;78	<u>E+0-1L6+4t2+4s</u> 78:39+39;78
191	D-1L6-24s 76:48+28;70 Or S001xL5+2t5 76:47+22+14/2;68 Or <u>DE-1L6-24s</u> 76:54+22;66	<u>S112L4-24s 3 stripes</u> 78:40+38;78	
192	D-1L6-22s 77:49+28;70 Or S001xL5+2t5+2s 77:47+23+14/2;69 Or DE-1L6-22s 77:55+22;66	<u>E+0-1L6+4t3-4s</u> 78:39+39;78	<u>E+0-1L6+4t3-4s</u> 78:39+39;78

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
193	D-1L6-20s 77:50+27;70 Or S001L5+2h3 77:50+20+14/2;67 Or DE-1L6-20s 77:56+21;66	<a href="#">S001xL5+4h2+2t2</a> 81:43+38;80	
194	D-1L6-18s 77:51+26;69 Or S001L5+2t6-4s 77:51+19+14/2;67 Or S001xL5+2h3 77:50+20+14/2;67 Or DE-1L6-18s 77:57+20;65	<a href="#">E+0-1L6+4t3</a> 78:39+39;78	<a href="#">E+0-1L6+4t3</a> 78:39+39;78
195	D-1L6-16s 77:52+25;68 Or S001xL5+2t6-4s 77:51+19+14/2;67 Or S001L5+2t6-2s 77:52+18+14/2;66 Or DE-1L6-16s 77:58+19;64	<a href="#">S001xL5+4t4-8s+2t2</a> 81:45+36;78	
196	D-1L6-14s 77:53+24;68 Or S001xL5+2t6-2s 77:52+18+14/2;66 Or S001L5+2t6 77:53+17+14/2;65 Or DE-1L6-14s 77:59+18;64	<a href="#">E+0-1L6+4h2</a> Or E+0-1L6+4t3+4s 80:40+40;80 Pretty: <a href="#">E+0+2L5-8s</a> 80:47+33;76	<a href="#">E+0-1L6+4h2</a> Or E+0-1L6+4t3+4s 80:40+40;80
197	D-1L6-12s 77:54+23;67 Or <a href="#">S001xL5+2t6</a> 77:53+17+14/2;65 Or DE-1L6-12s 77:60+17;63	<a href="#">S001xL5+4t4-4s+2t2</a> 81:47+34;77	
198	D-1L6-10s 78:55+23;68 Or S001xL5+2t6+2s 78:53+18+14/2;67 Or DE-1L6-10s 78:61+17;64	<a href="#">E+0-1L6+4t4-8s</a> 80:40+40;80	<a href="#">E+0-1L6+4t4-8s</a> 80:40+40;80
199	D-1L6-8s 78:56+22;67 Or DE-1L6-8s 78:62+16;63	<a href="#">S002L5-22s</a> 80:~43+37;78	
200	D-1L6-6s 78:57+21;66 Or DE-1L6-6s 78:63+15;62	<a href="#">E+0-1L6+4t4-4s</a> 80:40+40;80	<a href="#">E+0-1L6+4t4-4s</a> 80:40+40;80
201	D-1L6-4s 78:58+20;66 Or DE-1L6-4s 78:64+14;62	<a href="#">S002L5-18s</a> 81:~43+38;80	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
202	D-1L6-2s 78:59+19;65 Or DE-1L6-2s 78:65+13;61	<a href="#">E+0-1L6+4t4</a> 80:40+40;80	<a href="#">E+0-1L6+4t4</a> 80:40+40;80
203	<a href="#">S000L6-2t6</a> <a href="#">(D-1L6 or S111L5+2h5a)</a> 78:60+18;64 (++ axis) Or <a href="#">E-1-1L7-2t7</a> <a href="#">(DE-1L6)</a> 78:66+12;60 (++ axis)	<a href="#">S002L5-14s</a> 81:~44+37;79	
204	D-1L6+2s 79:60+19;66 Or DE-1L6+2s 79:66+13;62	<a href="#">E+0-1L6+4t4+4s</a> 82:41+41;82	<a href="#">E+0-1L6+4t4+4s</a> 82:41+41;82
205	D-1L6+4s 80:60+20;67 Or DE-1L6+4s 80:66+14;63	<a href="#">S002L5-10s</a> 82:45+37;80	
206	D-1L6+2t2 80:59+21;68 Or DE-1L6+2t2 80:65+15;64	<a href="#">E+0-1L6+4h3</a> 82:41+41;82	<a href="#">E+0-1L6+4h3</a> 82:41+41;82
207	<a href="#">S112xL5</a> Or <a href="#">E+0+3oL6</a> Or D-1L6+2t2+2s 81:59+22;69 Or DE-1L6+2t2+2s 81:65+16;65	<a href="#">S002L5-6s</a> 82:47+35;78	
208	D-1L6+2t3-2s 81:58+23;70 Or DE-1L6+2t3-2s 81:64+17;66 ++ axis	<a href="#">E+0-1L6+4t5-8s</a> 82:41+41;82	<a href="#">E+0-1L6+4t5-8s</a> 82:41+41;82
209	D-1L6+2t3 81:57+24;70 Or DE-1L6+2t3 81:63+18;66 both ++ & z-axis	<a href="#">S011L6-14s</a> 82:47+35;78	
210	<a href="#">E+0-1L6+4t5-4s</a> 82:41+41;82 Or S011L6-12s 82:48+34;78 Or <a href="#">S002L5</a> 82:50+32;76 Or D-1L6+2t3+2s Or D-1L6+2h2 82:57+25;72 Or DE-1L6+2h2 Or DE-1L6+2t3+2s 82:64+18;67 z-axis	<a href="#">E+0-1L6+4t5-4s</a> 82:41+41;82	Pretty: <a href="#">E+0-1L5+8h2</a> 88:44+44;88 <a href="#">E+0-1L6+4t5-4s</a> 82:41+41;82

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
211	S011L6-10s 82:49+33;77 Or <a href="#">S002L5+2s</a> 82:51+31;76 Or D-1L6+2t4-4s 82:56+26;72 Or DE-1L6+2t4-4s 82:65+17;66	<a href="#">S011L6-12s+2s</a> 83:48+35;79	
212	<a href="#">E+0-1L6+4t5</a> 82:41+41;82 Or <a href="#">S002xL5</a> Or D-1L6+2t4-2s 82:55+27;73 Or DE-1L6+2t4-2s 82:66+16;66 Or H001xL6 82:?	<a href="#">E+0-1L6+4t5</a> 82:41+41;82	<a href="#">E+0-1L6+4t5</a> 82:41+41;82
213	DE-1L6+2t4 82:54+28;74 Or D-1L7+2t4 82:67+15;65	<a href="#">S000L6-22s</a> 84:46+38;82	
214	<a href="#">S011L6-4s</a> 83:52+31;76 Or D-1L6+2t4+2s 83:54+29;75 Or DE-1L6+2t4+2s 83:68+15;66	<a href="#">E+0-1L6+4t5+4s</a> 84:42+42;84	<a href="#">E+0-1L6+4t5+4s</a> 84:42+42;84
215	<a href="#">S011L6-2s</a> Or D-1L6+2h3 83:53+30;76 Or DE-1L66+2h3 83:69+14;65	<a href="#">S000L6-18s</a> 84:46+38;82	
216	D-1L6+2t5-4s 83:52+31;76 Or <a href="#">S011L6</a> 83:54+29;75 (++ axis) Or DE-1L6+2t5-4s 83:70+13;64	<a href="#">E+0-1L6+4t6-16s</a> 84:42+42;84	<a href="#">E+0-1L6+4t6-16s</a> 84:42+42;84
217	<a href="#">D-1L6+2t5-2s</a> 83:51+32;77 Or <a href="#">S011L6+2s</a> 83:55+28;74 Or DE-1L6-2s+2t5 83:71+12;64	<a href="#">S000L6-14s</a> 84:46+38;82	
218	<a href="#">D-1L6+2t5</a> (S000L6-12s stripe) 83:50+33;78 Or <a href="#">S011xL6</a> 83:56+27;74 Or DE-1L6+2t5 83:72+11;63	<a href="#">E+0-1L6+4t6-12s</a> 84:42+42;84	<a href="#">E+0-1L6+4t6-12s</a> 84:42+42;84

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
219	<u>S000L6-2V-2s</u> 84:46+38;82 Or <u>S011xL6+2s</u> 84:41+31+24/2;81 Or D-1L6+2t5+2s 84:50+34;79 Or DE-1L6+2t5+2s 84:73+11;64	<u>S000L6-2V-2s</u> 84:46+38;82	
220	<u>E+0-1L6+4t6-8s</u> 84:42+42;84 Or <u>S000L6-2V</u> 84:45+39;82	<u>E+0-1L6+4t6-8s</u> 84:42+42;84	<u>E+0-1L6+4t6-8s</u> 84:42+42;84
221	<u>S000L6-6s</u> 84:46+38;82	<u>S000L6-6s</u> 84:46+38;82	
222	<u>E+0-1L6+4t6-4s (T001L6-4s)</u> 84:42+42;84 Or <u>S000L6-4s</u> 84:45+39;82	<u>E+0-1L6+4t6-4s (T001L6-4s)</u> 84:42+42;84	<u>E+0-1L6+4t6-4s (T001L6-4s)</u> 84:42+42;84
223	<u>S000L6-2s</u> 84:46+38;82	<u>S000L6-2s</u> 84:46+38;82	
224	<u>E+0-1L6+4t6 (T001L6)</u> Dipole 84:42+42;84 Bond (280@6+160@3 +8@2)/2=1088 Or <u>S000L6</u> Dipole 84:45+39;82 Bond (280@6+168@3)/2=1092 Or DE-1L6+2t6 (E-1-1L7-14s stripe) 84:78+6;60	Pretty: <u>S000L6</u> Dipole 84:45+39;82 Bond (280@6 +168@3)/2=1092 Or <u>E+0-1L6+4t6 (T001L6)</u> Dipole 84:42+42;84 Bond (280@6+160@3 +8@2)/2=1088	<u>E+0-1L6+4t6 (T001L6)</u> Dipole 84:42+42;84 Bond (280@6+160@3 +8@2)/2=1088
225	<u>S000L6+2s</u> 85:46+39;83 Or E-1-1L7-6V-2s 85:79+6;61	<u>S000L6+2s</u> 85:46+39;83	
226	<u>E-1-1L7-6V</u> 85:80+5;60	<u>T001L6+4s</u> 86:43+43;86	<u>T001L6+4s</u> 86:43+43;86
227	E-1-1L7-4V 85:81+4;60	<u>S000L6+2t2</u> 86:48+38;83	
228	E-1-1L7-2V-2s 85:82+3;59	<u>S000L6+2t2+2s</u> Or DT1L6-22s 2stripes 87:46+41;85	<u>T001L6+8s</u> 88:44+44;88
229	E-1-1L7-2V 85:83+2;58	<u>S000L6+2t3-2s</u> 87:47+40;85	
230	E-1-1L7-2s 85:84+1;58	<u>S000L6+2t3</u> 87:48+39;84	<u>T001L6+4t2</u> 88:44+44;88
231	<u>E-1-1L7</u> 85:85+0;57	<u>S000L6+2t3+2s</u> Or <u>S000L6+2h2</u> Or DT1L6-16s 88:49+39;85	
232	E-1-1L7+2s 86:85+1;58	<u>S000L6+2t4-4s</u> Or DT1L6-14s 88:50+38;84	Pretty: <u>E+0-1L6+4t5+4t4</u> Or <u>T001L6+4t2+4s</u> 90:45+45;90

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
233	E-1-1L7+2t2-2s 87:83+4;61 Or E-1-1L7+4s 87:85+2;60	<a href="#">S000L6+2t4-2s</a> Or Pretty: <a href="#">DT1L6-12s stripe</a> 88:51+37;84	
234	E-1-1L7+(2t3-2s) (add pentets) 87:82+5;62 Or E-1-1L7+2t2 87:84+3;60	<a href="#">DT1L6-12s+2s elsewhere</a> 89:51+38;85	<a href="#">T001L6+4t3-4s</a> 90:45+45;90
235	E-1-1L7+2t3-2V 88:80+8;64 Or E-1-1L7+(2t3-2s)+2s 88:82+6;63 Or E-1-1L7+2t2+2s 88:84+4;62	<a href="#">DT1L6-12s+4s elsewhere</a> 90:51+39;86	
236	E-1-1L7+2t3-2s (add sextets, drop 2 vertices) 88:81+7;64 E-1-1L7+(2t3-2s) (add pentets) 88:83+5;62	Pretty: <a href="#">S000L6+8t2</a> 92:48+44;91 Or <a href="#">T001L6+4t3</a> 90:45+45;90	<a href="#">T001L6+4t3</a> 90:45+45;90
237	E-1-1L7+2t3 88:82+6;64	<a href="#">DT1L6-12s+2t2+2s</a> 91:50+41;88	
238	<a href="#">DT1L6-2s</a> Or S000L6+(2t5-2s) 89:56+33;82 E-1-1L7+2t4-4V 89:76+13;68 Or E-1-1L7+(2t4-2s)-2V 89:78+11;67 Or E-1-1L7+(2t4-4s)-2s 89:80+9;66 Or (E-1-1L7+2t3+2s Or E-1-1L7+2h2) 89:82+7;64	<a href="#">DT1L6-12s+(2t3-2s)</a> 91:49+42;89	<a href="#">E+1+2L5-4s</a> Or T001L6+4t3+4s Or <a href="#">T001L6+4h2</a> 92:46+46;92
239	<a href="#">DT1L6</a> Or S000L6+2t5 89:57+32;81 E-1-1L7+2t4-2V 89:77+12;68 Or E-1-1L7+(2t4-2s)-2s 89:79+10;66 Or E-1-1L7+(2t4-4s) 89:81+8;66	<a href="#">DT1L6-12s+2t3</a> 91:48+43;90	
240	E-1-1L7+2t4-2s 89:78+11;67 Or E-1-1L7+(2t4-2s) 89:80+9;66	<a href="#">E+1+2L5</a> 92:46+46;92	<a href="#">E+1+2L5</a> Or T001L6+4t4-8s 92:46+46;92
241	E-1-1L7+2t4 89:79+10;67	<a href="#">DT1L6-12s+(2t4-4s)</a> 92:47+45;92	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
242	S001xL7-2t7-4s 90:60+30;80 Or E-1-1L7+2t5-4V 90:71+19;73 Or E-1-1L7+(2t5-2s)-2V-2s 90:73+17;72 Or( E-1-1L7+(2t5-4s)-2V Or E-1-1L7+2h3-2s 90:77+13;70 Or E-1-1L7+2t4+2s 90:79+11;67	<a href="#">E+1+2xL5</a> 92:46+46;92	<a href="#">E+1+2xL5</a> Or T001L6+4t4-4s 92:46+46;92
243	S001xL7-2t7-4s 90:61+29;80 Or E-1-1L7+2t5-2V-2s 90:72+18;72 Or E-1-1L7+(2t5-2s)-2V 90:74+16;71 Or E-1-1L7+(2t5-4s)-2s 90:76+14;70 Or E-1-1L7+2h3 90:78+12;68	<a href="#">DT1L6-12s+2t4</a> 92:47+45;92	
244	S001xL7-2t7-2s 90:62+28;79 Or E-1-1L7+2t5-2V 90:73+17;72 Or E-1-1L7+(2t5-2s)-2s 90:75+15;70 Or E-1-1L7+(2t5-4s) 90:77+13;70	<a href="#">T001L6+4t4</a> 92:46+46;92	Pretty: <a href="#">E+0-1L6+4t5+4t4+8t2</a> 98:49+49;98 <a href="#">T001L6+4t4</a> 92:46+46;92
245	S001xL7-2t7 90:63+27;78 Or E-1-1L7+2t5-2s 90:74+16;71 Or E-1-1L7+(2t5-2s) 90:76+14;70	<a href="#">S1E+2L6-2s</a> 93:53+40;89	
246	E-1-1L7+2t5 90:75+15;70	Pretty: <a href="#">S111L6-48s+2t3</a> 93:47+46;93?	<a href="#">E-1+2L6-16s</a> Or T001L6+4t4+4s 94:47+47;94
247	E-1-1L7+2t6-4V-2s 91:65+26;78 Or E-1-1L7+(2t6-2s)-4V 91:67+24;77 Or E-1-1L7+(2t6-4s)-2V-2s 91:69+22;76 Or E-1-1L7+2h4-2V 91:71+20;74 Or E-1-1L7+2t5+2s 91:75+16;71	<a href="#">DT1L6-4s+2t4</a> 93:49+44;92	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
248	E-1-1L7+2t6-4V 91:66+25;78 Or E-1-1L7+(2t6-2s)-2V-2s 91:68+23;76 Or E-1-1L7+(2t6-4s)-2V 91:70+21;75 Or E-1-1L7+2h4-2s 91:72+19;74	<a href="#">DT1L6-2s+2t4</a> 93:50+43;91	<a href="#">E-1+2L6-12s</a> Or <a href="#">T001L6+4h3</a> 94:47+47;94
249	E-1-1L7+2t6-2V-2s 91:67+24;77 Or E-1-1L7+(2t6-2s)-2V 91:69+22;76 Or E-1-1L7+(2t6-4s)-2s 91:71+20;74 Or E-1-1L7+2h4 91:73+18;73	<a href="#">S111L6-30s 3 stripes</a> 93:48+45;92 <a href="#">DT1L6+2t4</a> 93:51+42;90	
250	E-1-1L7+2t6-2V 91:68+23;76 Or E-1-1L7+(2t6-2s)-2s 91:70+21;75 Or E-1-1L7+(2t6-4s) 91:72+19;74	<a href="#">E-1+2L6-8s</a> 94:47+47;94	<a href="#">E-1+2L6-8s</a> Or <a href="#">T001L6+4t5-8s</a> 94:47+47;94
251	E-1-1L7+2t6-2s 91:69+22;76 Or E-1-1L7+(2t6-2s) 91:71+20;74	<a href="#">DT1L6-2s+2t4+2t2</a> 95:49+46;94	
252	S000L6+2t7 (DS001L7) Or E-1-1L7+2t6 (DS011L7) 91:70+21;75	Pretty <a href="#">S000L6+8h2</a> 100:53+47;98 Or <a href="#">E-1+2L6-4s</a> 94:47+47;94	<a href="#">E-1+2L6-4s</a> Or <a href="#">T001L6+4t5-4s</a> 94:47+47;94
253	E-1-1L7+2t6+2s 92:70+22;75	<a href="#">S012L6-8s</a> 95:45+37+26/22;93	
254	E-1-1L7+2t6+2t2-2s 93:68+25;79 Or E-1-1L7+2t6+4s 93:70+23;78	<a href="#">E-1+2L6</a> 94:47+47;94	<a href="#">E-1+2L6</a> Or <a href="#">T001L6+4t5</a> 94:47+47;94
255	E-1-1L7+2t6+(2t3-2s) 93:67+26;80 Or E-1-1L7+2t2 93:69+24;78	<a href="#">S012L6-4s</a> 95:47+35+26/2;91	
256	E-1-1L7+2t6+2t3-2V 94:65+29;82 Or E-1-1L7+2t6+(2t3-2s)+2s 94:67+27;81 Or E-1-1L7+2t6+2t2+2s 94:69+25;80	E-1+2L6+4s (equator) Or <a href="#">E+0+1L6-20s</a> 96:48+48;96	Pretty: <a href="#">E+0-1L6+4t5+4t4+8t3</a> 102:51+51;102 <a href="#">E+0+1L6-20s</a> 96:48+48;96
257	E-1-1L7+2t6+2t3-2s 94:66+28;82	<a href="#">S111L6-14s</a> 96:~50+46;95	
258	E-1-1L7+2t6+2t3 94:67+27;81	E-1+2L6+8s (equator) Or <a href="#">E+0+1L6-16s</a> 96:48+48;96	<a href="#">E+0+1L6-16s</a> 96:48+48;96

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
259	S111L6-10s stripe 95:55+40;90 Or <a href="#">S012L6+4s</a> 95:51+31+26/2;89 Or E-1-1L7+2t6+2t4-4V 95:61+34;86 Or E-1-1L7+2t6+(2t4-2s)-2V 95:63+32;85 Or E-1-1L7+2t6+(2t4-4s)-2s 95:65+30;84 Or (E-1-1L7+2t6+2t3+2s Or E-1-1L7+2h2) 95:67+28;82	Pretty: <a href="#">S222L6-66s</a> 100:51+49;100 <a href="#">S111L6-10s</a> 96:55+41;92	
260	<a href="#">S001L6-24s 2 stripes</a> 95:54+41;91 z-axis Or <a href="#">S012xL6</a> 95:52+30+26/2;88 Or E-1-1L7+2t6+2t4-2V 95:62+33;86 Or E-1-1L7+2t6+(2t4-2s)-2s 95:64+31;84 Or E-1-1L7+2t6+(2t4-4s) 95:66+29;83	<a href="#">S001L6-24s 2 stripes</a> 95:54+41;91 z-axis	<a href="#">E+0+1L6-12s</a> 96:48+48;96
261	E-1-1L7+2t6+2t4-2s 95:63+32;85 Or E-1-1L7+2t6+(2t4-2s) 95:65+30;84	<a href="#">S001L6-22s</a> 96:54+42;92 z-axis 96:47+42+14/2;95 y-axis	
262	E-1-1L7+2t6+2t4 95:64+31;84	Pretty: <a href="#">S222L6-60s</a> 100:52+48;99 E-1+2L6+16s (equator) Or <a href="#">E+0+1L6-2V</a> 96:48+48;96	<a href="#">E+0+1L6-2V</a> 96:48+48;96
263	<a href="#">S001L6-18s</a> stripe 96:51+45;94 ++ axis 96:52+44;94 z-axis 96:49+40+14/2;93 y-axis E-1-1L7+2t6+2t5-4V 96:56+40;91 Or E-1-1L7+2t6+(2t5-2s)-2V- 2s 96:58+38;90 Or <a href="#">S111L6-2s</a> 96:59+37;89 Or E-1-1L7+2t6+(2t5-4s)-2V 96:60+36;88 Or E-1-1L7+2t6+2h3-2s 96:62+34;87 Or E-1-1L7+2t6+2t4+2s 96:64+32;86	<a href="#">S001L6-18s</a> stripe 96:51+45;94 ++ axis 96:52+44;94 z-axis 96:49+40+14/2;93 y-axis	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
264	E-1+2L6+20s (equator) Or <a href="#">E+0+1L6-4s</a> 96:48+48;96 Or E-1-1L7+2t6+2t5-2V-2s 96:57+39;90 Or E-1-1L7+2t6+(2t5-2s)-2V 96:59+37;89 Or <a href="#">S111L6</a> 96:60+36;88 Or E-1-1L7+2t6+(2t5-4s)-2s 96:61+35;88 Or E-1-1L7+2t6+2h3 96:63+33;86	Pretty <a href="#">S000L6+8t4</a> 100:57+43;96 Or E-1+2L6+20s (equator) Or <a href="#">E+0+1L6-4s</a> 96:48+48;96	Pretty: <a href="#">E+0-1L6+4t5+8t4+4t3</a> 104:52+52;104 Or <a href="#">E+0+1L6-4s</a> 96:48+48;96
265	<a href="#">S001L6-14s</a> stripe 96:51+38+14/2;92 y-axis Or E-1-1L7+2t6+2t5-2V 96:58+38;90 Or E-1-1L7+2t6+(2t5-2s)-2s 96:60+36;88 Or <a href="#">S111L6+2s</a> vertex 96:61+35;88 Or E-1-1L7+2t6+(2t5-4s) 96:62+34;87	Pretty: <a href="#">S222L6-54s 6 stripes</a> 100:55+45;97 Or <a href="#">S001L6-14s</a> stripe 96:51+38+14/2;92 y-axis	
266	<a href="#">E+0+1L6(S000L6+4t6 or T001L6+4t6)</a> 96:48+48;96 Or <a href="#">S001L6-12s</a> stripe 96:54+42;92 ++ axis 96:52+37+14/2;91 y-axis Or E-1-1L7+2t6+2t5-2s Or S111L6+4s 96:59+37;89 Or E-1-1L7+2t6+(2t5-2s) 96:61+35;88	<a href="#">E+0+1L6(S000L6+4t6 or T001L6+4t6)</a> 96:48+48;96	<a href="#">E+0+1L6(S000L6+4t6 or T001L6+4t6)</a> 96:48+48;96
267	E-1-1L7+2t6+2t5 Or <a href="#">S111xL6</a> 96:60+36;88	<a href="#">S001L6-10s</a> 97:55+42;93	
268	<a href="#">E-1-1L7+4t6-4V-2s (S001L6-8s)</a> 97:56+41;92 (++ axis) Or <a href="#">E-1-1L7+(4t6-2s)-4V</a> 97:52+45;95 Or E-1-1L7+(4t6-4s)-2V-2s 97:54+43;94 Or E-1-1L7+2t6+2h4-2V 97:56+41;92 Or E-1-1L7+(2t6-2s)+2h4-2s 97:58+39;91 Or E-1-1L7+(2t6-4s)+2h4 Or E-1-1L7+2t6+2t5+2s Or <a href="#">S111xL6+2s</a> 97:60+37;90	<a href="#">E+0-1L7-6V-8s</a> 98:49+49;98	<a href="#">E+0-1L7-6V-8s</a> 98:49+49;98

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
269	<u>E-1-1L7+4t6-4V</u> <u>(S001L6-6s)</u> 97:51+46;96 z-axis Or E-1-1L7+(4t6-2s)-2V-2s 97:53+44;94 Or E-1-1L7+(4t6-4s)-2V 97:55+42;93 Or E-1-1L7+2t6+2h4-2s 97:57+40;92 Or E-1-1L7+(2t6-2s)+2h4 97:59+38;90	<u>S001L6-12s+2t2</u> 98:53+45;96 ++ axis 98:51+40+14/2;95 y-axis	
270	<u>E-1-1L7+4t6-2V-2s</u> <u>(S001L6-4s)</u> 97:52+45;94 Or E-1-1L7+(4t6-2s)-2V 97:54+43;94 Or E-1-1L7+(4t6-4s)-2s 97:56+41;92 Or E-1-1L7+2t6+2h4 97:58+39;91	<u>E+0-1L7-6V-4s</u> 98:49+49;98	<u>E+0-1L7-6V-4s</u> 98:49+49;98
271	<u>E-1-1L7+4t6-2V</u> <u>(S001L6-2s)</u> 97:53+44;94 Or E-1-1L7+(4t6-2s)-2s 97:55+42;93 Or E-1-1L7+(4t6-4s) 97:57+40;92	<u>S001L6-12s+2t3-2s</u> 99:52+47;98 ++ axis 99:50+42+14/2;97 y-axis 99:53+46;97 z-axis	
272	<u>E-1-1L7+4t6-2s (S001L6)</u> 97:54+43;94 z axis 97:60+37;90 ++ axis Or E-1-1L7+(4t6-2s) 97:62+35;88	<u>E+0-1L7-6V</u> 98:49+49;98	<u>E+0-1L7-6V</u> 98:49+49;98
273	<u>E-1-1L7+4t6 (S001xL6)</u> 97:55+42;93 z axis 97:61+36;89 ++ axis	S001L6-12s+2t3+2s Or <u>S001L6-12s+2h2</u> 100:55+45;97 z-axis	
274	<u>E+0-1L7-4V</u> 98:49+49;98 Or S001xL6+2s 98:55+43;94	<u>E+0-1L7-4V</u> 98:49+49;98	<u>E+0-1L7-4V</u> 98:49+49;98
275	<u>S001L6+2t2</u> 99:59+40;93 Or <u>S001xL6+4s</u> 99:61+38;92	<u>S001L6-12s+2t4-2s</u> 100:57+43;96	
276	<u>E+0-1L7-8s (4V (small))</u> Or 2V (large)) 98:49+49;98	<u>E+0-1L7-8s (4V (small))</u> Or 2V (large)) 98:49+49;98	<u>E+0-1L7-8s (4V (small))</u> Or 2V (large)) 98:49+49;98
277	<u>S001xL6+2t2+2s</u> 100:60+40;94 ++ axis	<u>S001L6-12s+(2t4-4s)+2t2</u> 102:57+45;98	
278	<u>E+0-1L7-2V</u> 98:49+49;98	<u>E+0-1L7-2V</u> 98:49+49;98	<u>E+0-1L7-2V</u> 98:49+49;98

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
279	<a href="#">S001xL6+2t3</a> 100:51+42+14/2;97 y-axis 100:58+42;95 ++ axis	Pretty: <a href="#">S111L6+6t3-6s</a> 105:54+51;104 Or Pretty: <a href="#">E-1-1L7+8h3</a> 105:57+48;102 Or <a href="#">S001L6+4t2+2s</a> 102:58+44;98	
280	<a href="#">E+0-1L7 (T001L6+4t7)</a> Dipole 98:49+49;98 Bond (364@6+168@3 +28@2)/2=1372	<a href="#">E+0-1L7 (T001L6+4t7)</a> Dipole 98:49+49;98 Bond (364@6+168@3 +28@2)/2=1372	<a href="#">E+0-1L7 (T001L6+4t7)</a> (Pretty) Dipole 98:49+49;98 Bond (364@6+168@3 +28@2)/2=1372
281	<a href="#">S001xL6+2t4-4s</a> 101:53+41+14/2;97 y-axis 101:57+44;97 ++ axis Or S001L6+2t4-2s 101:54+40+14/2;97	<a href="#">S001xL6+2t4-4s</a> 101:53+41+14/2;97 y-axis 101:57+44;97 ++ axis	
282	<a href="#">E+0-1L7+4s</a> 100:50+50;100	<a href="#">E+0-1L7+4s</a> 100:50+50;100	<a href="#">E+0-1L7+4s</a> 100:50+50;100
283	<a href="#">S001xL6+2t4</a> 101:55+39+14/2;96 y-axis	<a href="#">S001L6+2t4+2s</a> 102:54+41+14/2;98 y-axis 102:54+48;100 z-axis 102:58+44;98 ++ axis	
284	<a href="#">E+0-1L7+8s</a> 102:51+51;102	Pretty <a href="#">S000L6+8t5</a> 104:58+46;100 Or <a href="#">E+0-1L7+8s</a> 102:51+51;102	<a href="#">E+0-1L7+8s</a> 102:51+51;102
285	<a href="#">S001xL6+2h3</a> 102:57+38+14/2;96 Or S001L6+2t5-4s 102:58+37+14/2;95	Pretty: <a href="#">S111xL6+6t3</a> 105:54+51;104 Or <a href="#">S001xL6+4t3</a> 103:54+49;102 z-axis 103:58+45;99 ++ axis	
286	<a href="#">E+0-1L7+4t2</a> 102:51+51;102	<a href="#">E+0-1L7+4t2</a> 102:51+51;102	<a href="#">E+0-1L7+4t2</a> 102:51+51;102
287	S001xL6+2t5-2s 102:59+36+14/2;95 Or <a href="#">S001L6+2t5</a> 102:60+35+14/2;94	<a href="#">S001xL6+2t4-4s+2t3</a> 104:56+48;102 z-axis 104:57+47;101 ++ axis	
288	<a href="#">S001xL6+2t5</a> 102:60+35+14/2;94	Pretty: <a href="#">S111L6+6h2</a> 108:57+51;106 <a href="#">E+0-1L7+4t2+4s</a> 104:52+52;104	<a href="#">E+0-1L7+4t2+4s</a> 104:52+52;104
289	S001L6+2t6-8s 103:58+38+14/2;96 Or <a href="#">S001xL6+2t5+2s</a> 103:60+36+14/2;95	<a href="#">S001xL6+2t4+2t3</a> 104:58+46;100 z-axis 104:56+48;102 ++ axis	
290	S001xL6+2t6-8s 103:58+38+14/2;96 Or S001L6+2h4a 103:59+37+14/2;96	<a href="#">E+0-1L7+4t3-4s</a> 104:52+52;104	<a href="#">E+0-1L7+4t3-4s</a> 104:52+52;104
291	S001xL6+2h4a 103:59+37+14/2;96 Or S001L6+2t6-4s 103:60+36+14/2;95	<a href="#">S011L6-72s 6 stripes</a> 105:~54+51;105	

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
292	S001xL6+2t6-4s 103:60+36+14/2;95 Or S001L6+2t6-2s 103:61+35+14/2;94	<a href="#">E+0-1L7+4t3</a> 104:52+52;104	Pretty: <a href="#">E+0-1L7+8t2</a> 106:53+53;106 <a href="#">E+0-1L7+4t3</a> 104:52+52;104
293	S001xL6+2t6-2s 103:61+35+14/2;94 Or S001L6+2t6 103:62+34+14/2;94	<a href="#">S011L6-68s</a> 106:~53+53;106	
294	<a href="#">S001xL6+2t6</a> 103:62+34+14/2;94	<a href="#">E+0-1L7+4h2</a> Or E+0-1L7+4t3+4s 106:53+53;106	<a href="#">E+0-1L7+4h2</a> Or E+0-1L7+4t3+4s 106:53+53;106
295	S001xL6+2t6+2s 104:62+35+14/2;95	<a href="#">S011L6-64s</a> 106: 55+51;106	
296	D-1L7-24s Or DE-1L7-24s 105:75+30;90 S001L6+2t6+2t2 105:61+37+14/2;97 S001xL6+2t6+4s 105:62+36+14/2;97	<a href="#">E+0-1L7+4t4-8s</a> 106:53+53;106	<a href="#">E+0-1L7+4t4-8s</a> 106:53+53;106
297	D-1L7-22s Or DE-1L7-22s 105: 76+29;90 Or S001L6x+2t6+2t2 105:61+37+14/2;97	<a href="#">S011L6-60s 5 stripes</a> 106:57+49;104	
298	D-1L7-20s Or DE-1L7-20s 105:77+28;89	<a href="#">E+0-1L7+4t4-4s</a> 106:53+53;106	<a href="#">E+0-1L7+4t4-4s</a> 106:53+53;106
299	D-1L7-18s Or DE-1L7-18s 105:78+27;88	<a href="#">S011L6-56s</a> 107:~54+53;107	
300	D-1L7-16s Or DE-1L7-16s 105:79+26;88	<a href="#">E+0-1L7+4t4</a> 106:53+53;106	<a href="#">E+0-1L7+4t4</a> 106:53+53;106
301	D-1L7-14s Or DE-1L7-14s 105:80+25;87	<a href="#">S011L6-52s</a> 107:~54+53;107	
302	D-1L7-12s Or DE-1L7-12s 105:81+24;86	<a href="#">E+0-1L7+4t4+4s</a> 108:54+54;108	<a href="#">E+0-1L7+4t4+4s</a> 108:54+54;108
303	D-1L7-10s Or DE-1L7-10s 105:82+23;86	<a href="#">S011L6-48s 4 stripes</a> 107:~54+53;107?	
304	D-1L7-8s Or DE-1L7-8s 105:83+22;85	Pretty <a href="#">E+0-1L7+8t3</a> 110:55+55;110 Or <a href="#">E+0-1L7+4h3</a> 108:54+54;108	<a href="#">E+0-1L7+4h3</a> 108:54+54;108
305	D-1L7-6s Or DE-1L7-6s 105:84+21;84	Pretty <a href="#">S001xL6+4t4+4t3</a> 111:56+55;111 Or <a href="#">S011L7-44s</a> 108:56+52;107	
306	D-1L7-4s Or DE-1L7-4s 105:85+20;84	<a href="#">E+0-1L7+4t5-8s</a> 108:54+54;108	<a href="#">E+0-1L7+4t5-8s</a> 108:54+54;108

A	Overall Least Surface	Low Dipole Least Surface	Zero Dipole Least Surface
307	D-1L7-2s Or DE-1L7-2s 105:86+19;83	<a href="#">S011L7-40s</a> 108:58+50;106	
308	<a href="#">S000L7-2t7 (D-1L7)</a> Or E-1-1L8-2t8 (DE-1L7) 105:87+18;82 (++ axis)	<a href="#">E+0-1L7+4t5-4s</a> 108:54+54;108	Pretty: <a href="#">E+0-1L7 +8h2</a> 114:57+57 <a href="#">E+0-1L7+4t5-4s</a> 108:54+54;108
309	D-1L7+2s Or DE-1L7+2s 106:87+19;84	<a href="#">S011L6-36s 3 stripes</a> 108:60+48;104	
310	D-1L7+2t2-2s Or DE-1L7+2t2-2s 107:86+21;86 Or D-1L7+4s Or DE-1L7+4s 107:87+20;85	<a href="#">E+0-1L7+4t5</a> 108:54+54;108	<a href="#">E+0-1L7+4t5</a> 108:54+54;108

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