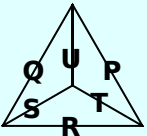
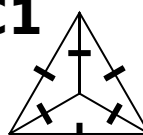
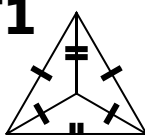
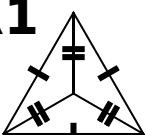
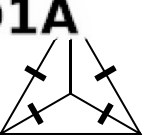


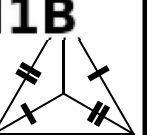
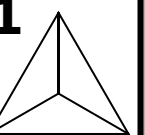
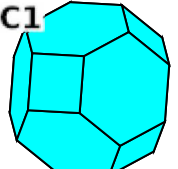
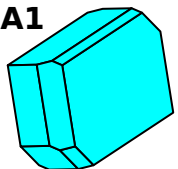
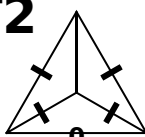
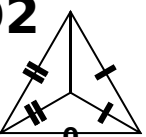

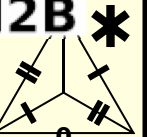
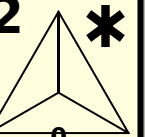
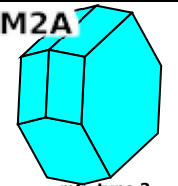
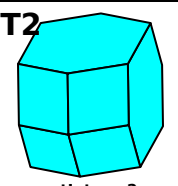

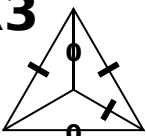
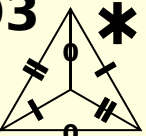
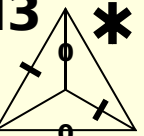
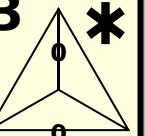
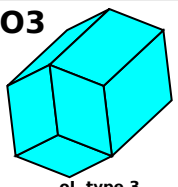
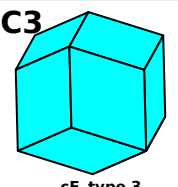
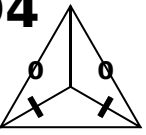
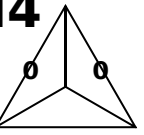
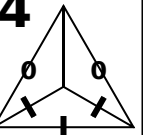
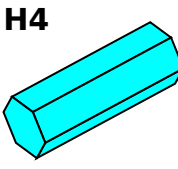
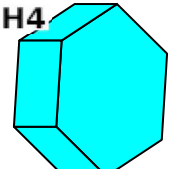
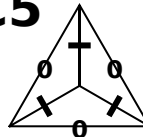
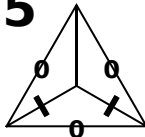
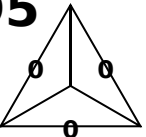
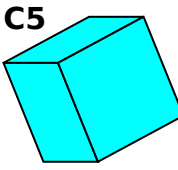
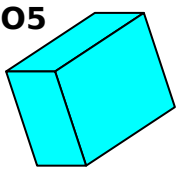


The Bravais Lattice Types

Lattice System

Federov Type

	C cubic	T tetragonal	R rhombohedral	O_A orthorhombic	O_B orthorhombic	M_A monoclinic	M_B monoclinic	A anorthic	H hexagonal	Dirichlet cells also known as Dirichlet domains Voronoi domains Federov parallelohedra Wigner-Seitz cell	
1 truncated octahedron	C1  cl (rrr rrr)	T1  tl (rrr rrs)	R1  hR (rrr sss)	O1A  oF (rrs rrt)	O1B  ol (rst rst)	M1A  mC(rrs ttu)	M1B  mC(rst rsu)	A1  aP (rst uvw)		C1  cl, type 1	A1  aP, type 1
2 elongated dodecahedron		T2  tl (rr0 rrs)		O2  ol (rs0 srt)		M2A  mC(rs0 stu)	M2B *  mC(rs0 rst)	A2 *  aP (rs0 tuv)		M2A  mC, type 2	T2  tl, type 2
3 truncated octahedron	C3  cF (rr0 rr0)		R3  hR (rr0 sr0)	O3 *  ol (rs0 rs0)		M3 *  mC(rs0 ts0)		A3 *  aP (rs0 tu0)		O3  ol, type 3	C3  cF, type 3
4 hexagonal prism				O4  oS (00r sst)		M4  mP(00r stu)			H4  hP (00r rrs)	H4  hP, type 4	H4  hP, type 4
5 cuboid	C5  cP (000 rrr)	T5  tP (000 rrs)		O5  oP (000 rst)						C5  cP, type 5	O5  oP, type 5

***Not a full-dimensional Bravais type**

O3 is a 2-D manifold between O2 and O1B

M3 is a 3-D manifold between M2A and M1B

M2B is a 3-D manifold between M1A and M1B

[modified after Delone, Galiulin, and Shtogrin, 1975]