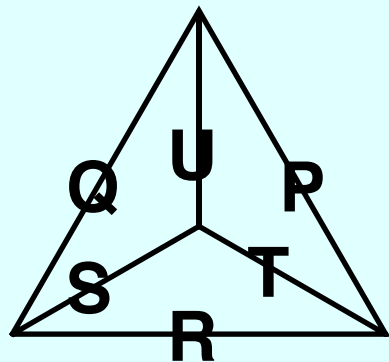
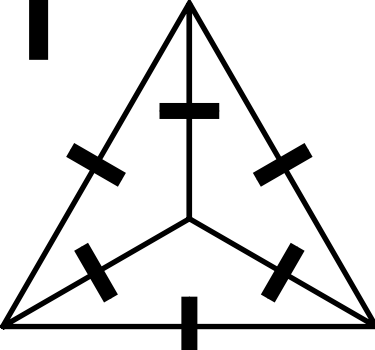
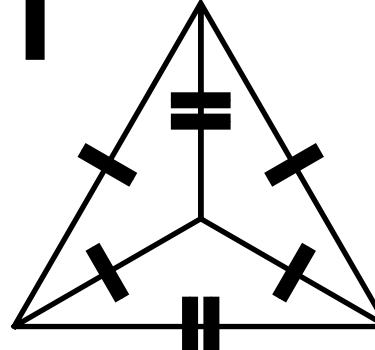
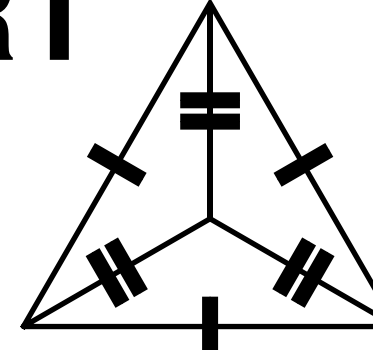
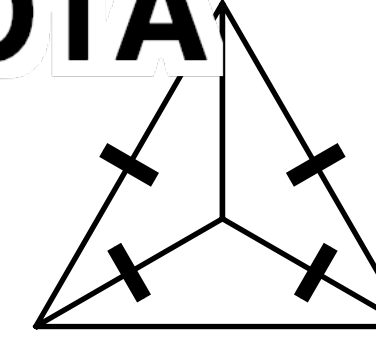
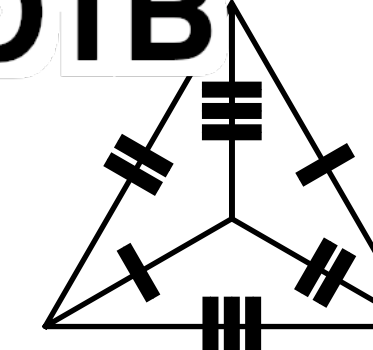
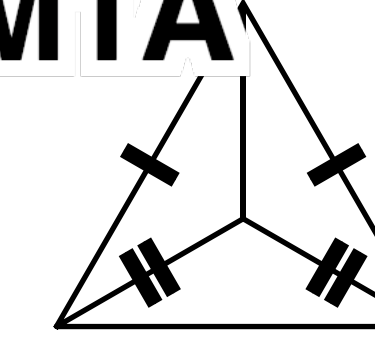
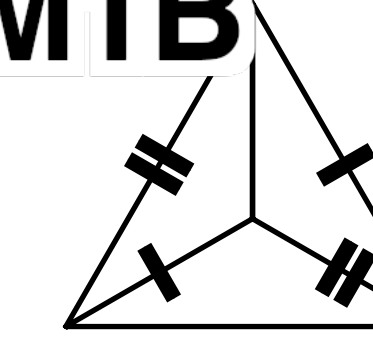
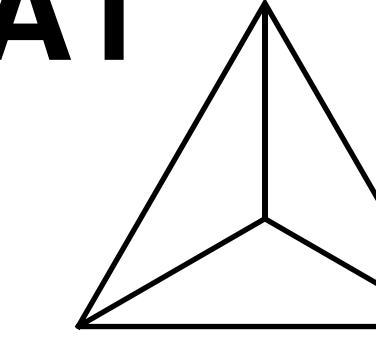
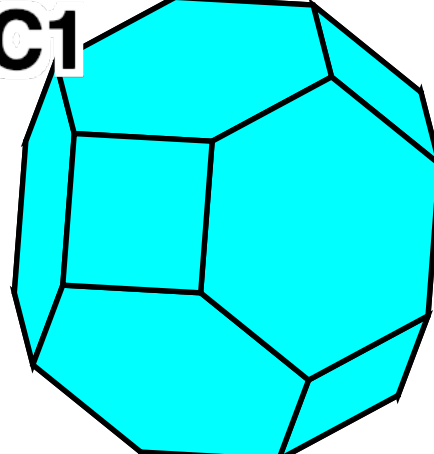
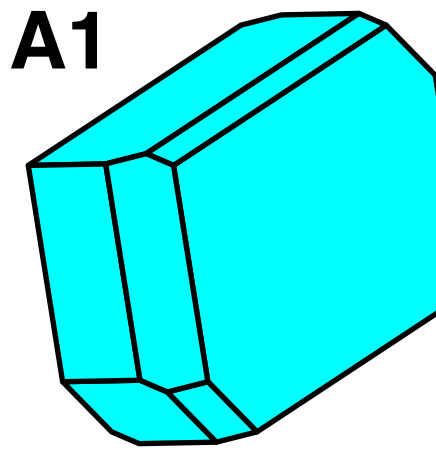
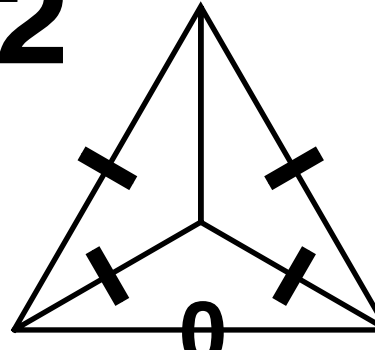
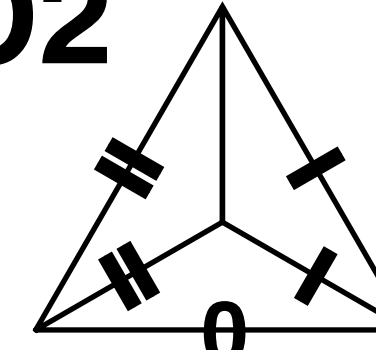

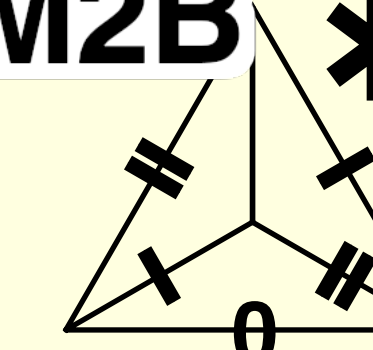
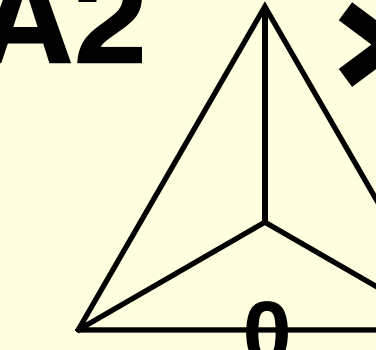
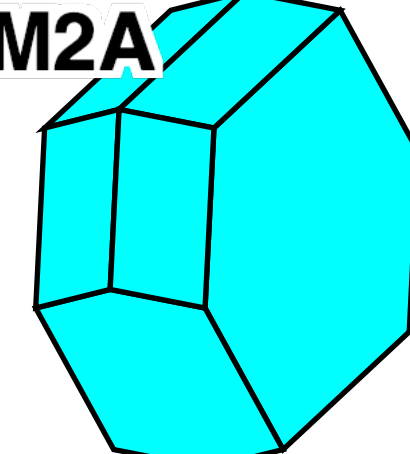
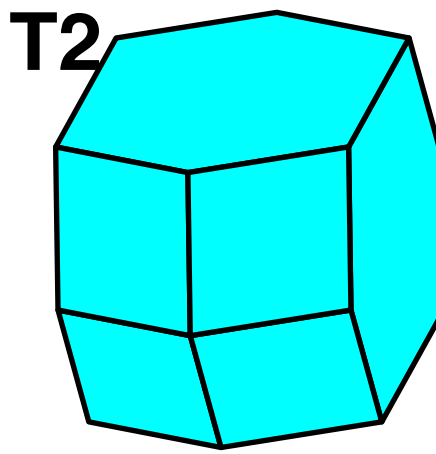
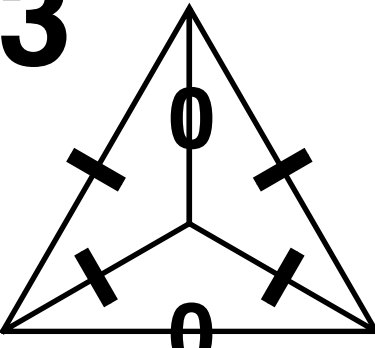
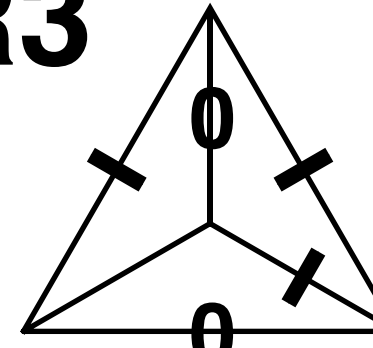
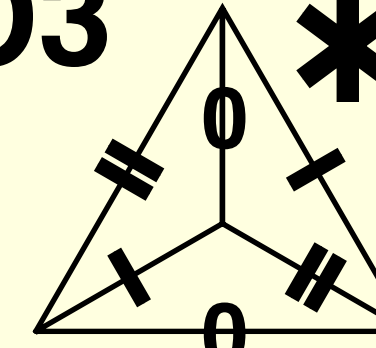
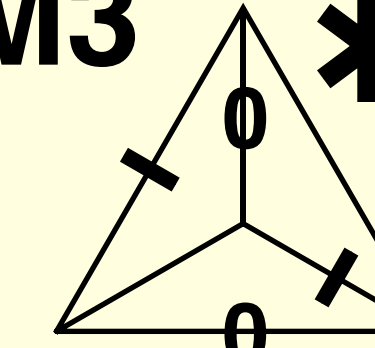
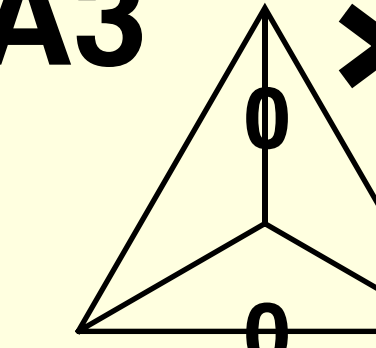
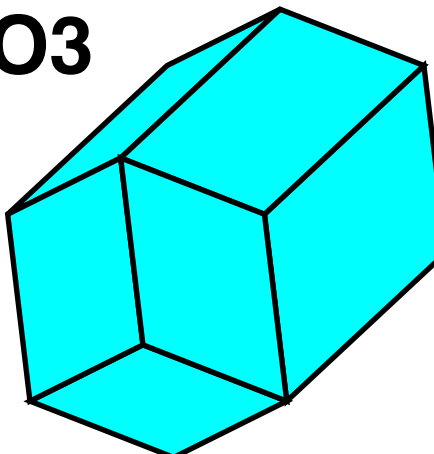
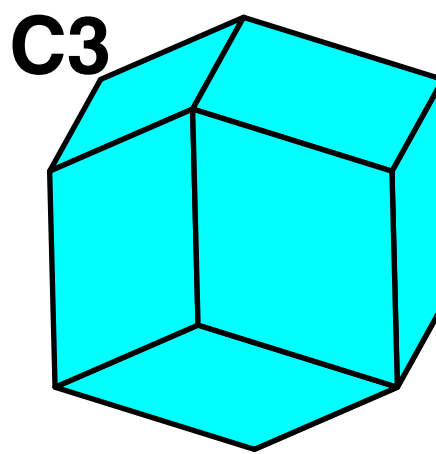
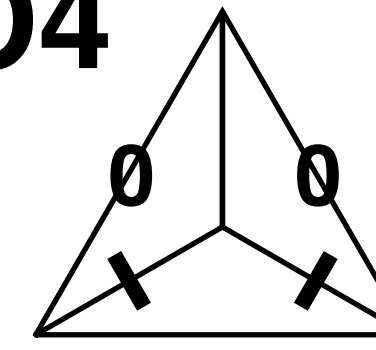
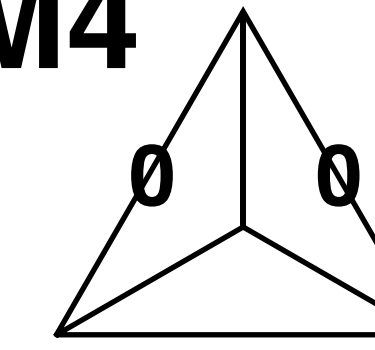
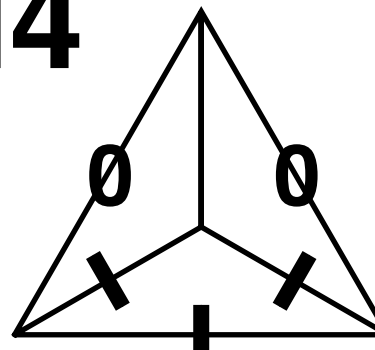
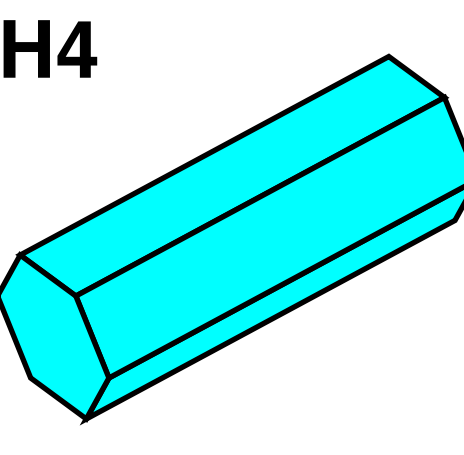
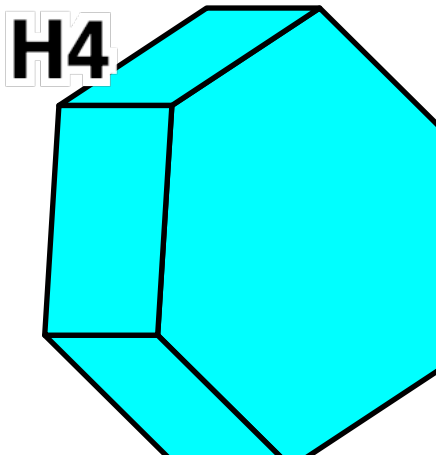
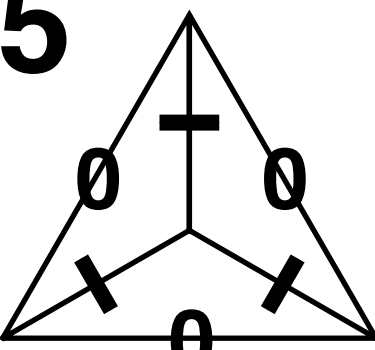
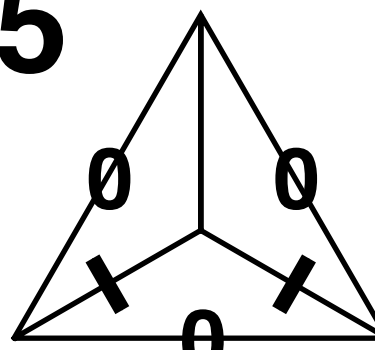
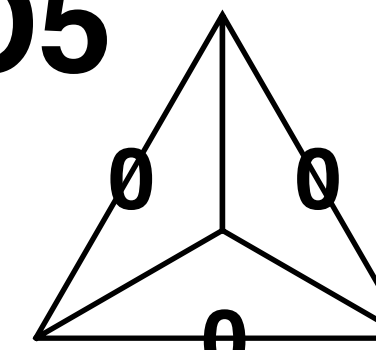
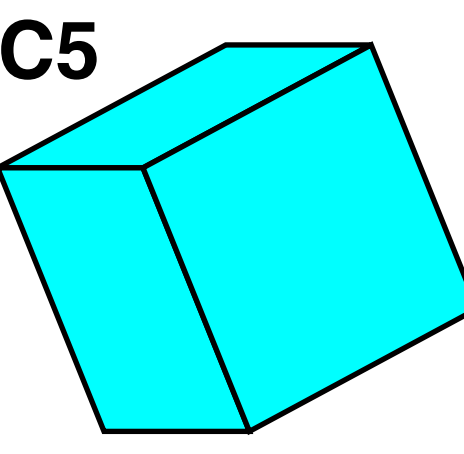
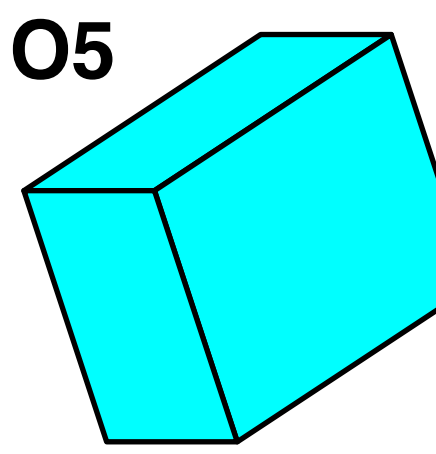


# The Bravais Lattice Types

## Lattice System

Dirichlet cells  
also known as  
Dirichlet domains  
Voronoi domains  
Federov parallelohedra  
Wigner-Seitz cell

Federov Type

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