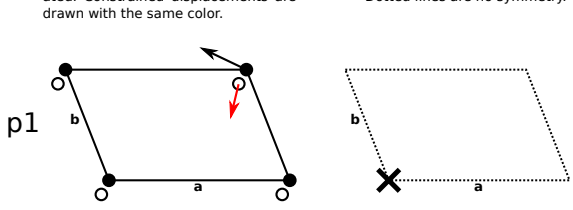
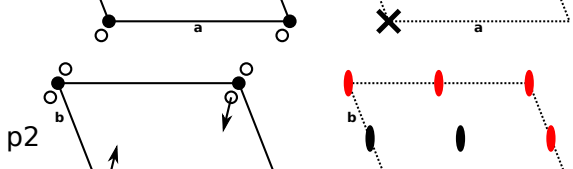
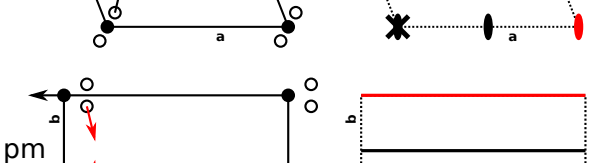
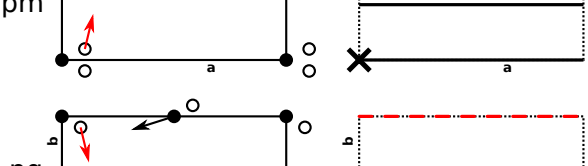
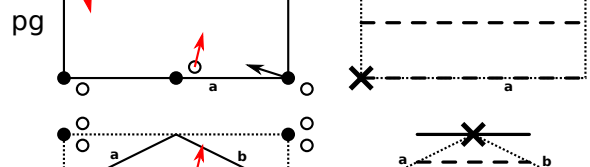
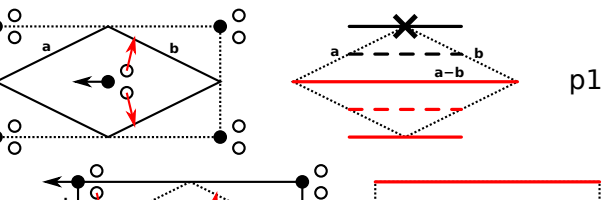
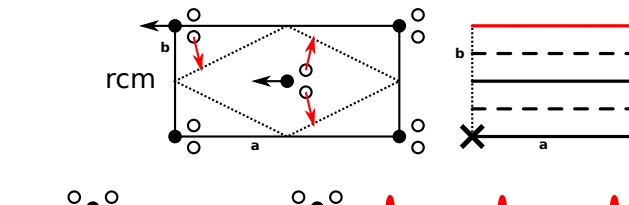
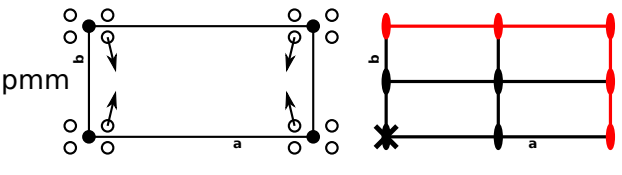
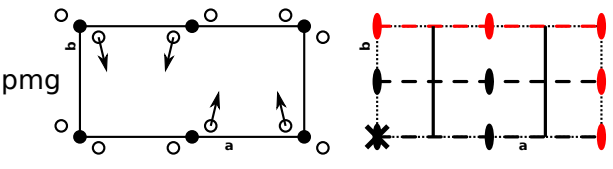
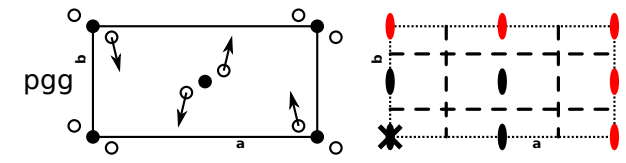
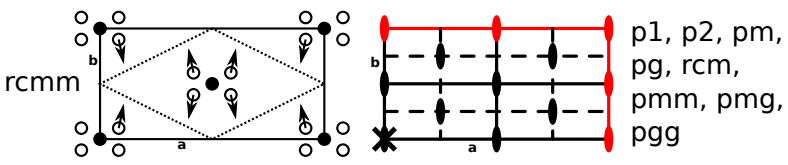
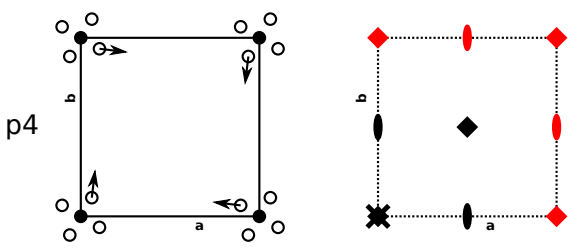
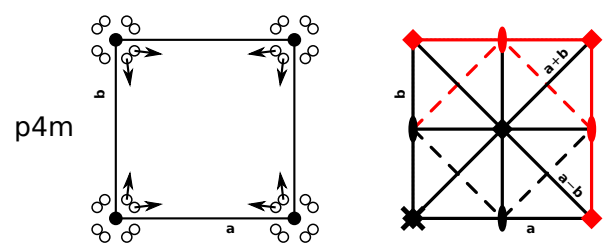
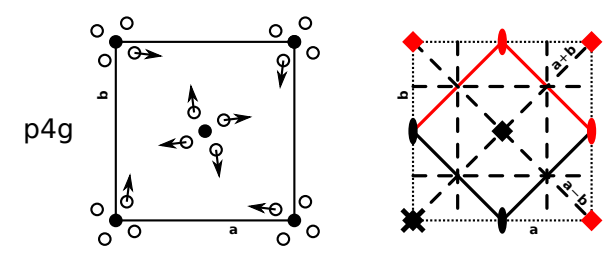
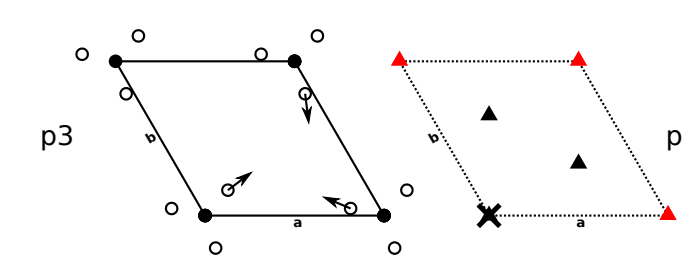
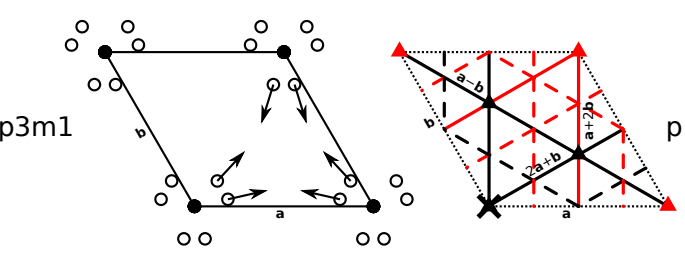
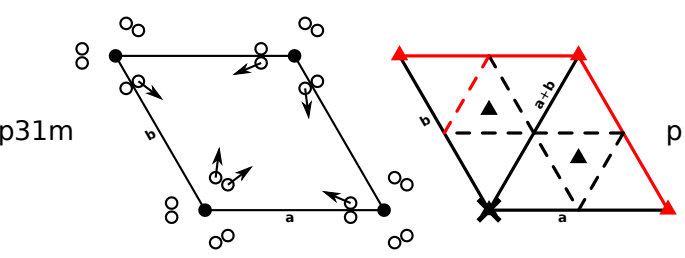
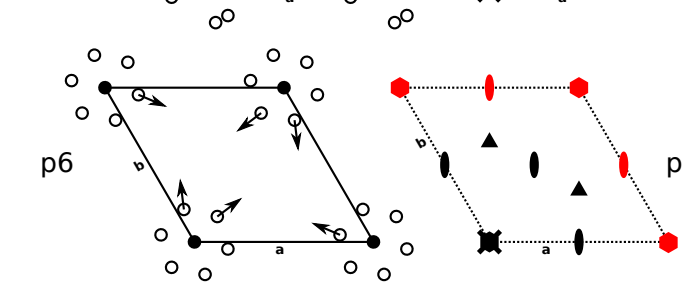
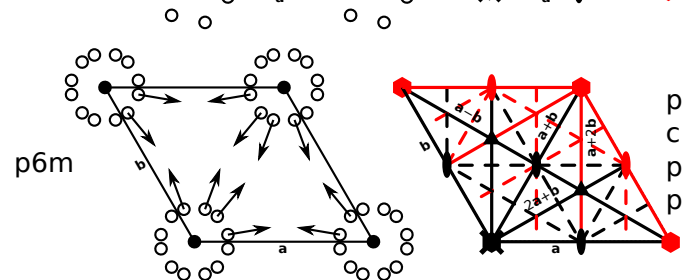
Legend:
Mirrors:
Glides:
Rotations: (2-fold) (3-fold) (4-fold) (6-fold)
Conventional origin:

Full and open atoms are inequivalent. Symmetry-conserving displacements of the atoms in the unit cell are indicated. Constrained displacements are drawn with the same color.

Symmetry operations that are related to others via a unit translation are drawn in red. Dotted lines are no symmetry.

	Subgroups	Notes
p1 	none	
p2 	p1	
pm 	p1	Mirror planes may also be along **b**
pg 	p1	Glide planes may also be along **b**
cm 	p1	Mirror/glide planes may also be along **a**+**b**
rcm 	p1, pm, pg	This is not a true symmetry group. This 'symmetry' will be found in case the slab has cm symmetry, but the rectangular unit cell is supplied instead of the rhombic one, i.e., the cell is twice as large. This might happen if reduction to pm or pg is needed. If this reduction is not specified, atom-atom and DISPLACEMENTS constraints will be be the ones of the cm group. Mirror/glide planes may also be along **b**.
pmm 	p1, p2, pm	2 possible pm subgroups: pm[1 0] mirrors along **a** pm[0 1] mirrors along **b**
pmg 	p1, p2, pm, pg	
pgg 	p1, p2, pg	2 possible pg subgroups: pg[1 0] glide parallel to **a** pg[0 1] glide parallel to **b**
cmm 	p1, p2, cm	2 possible cm subgroups: cm[1 1] mirror along **a**+**b** cm[1 -1] mirror along **a**−**b**
rcmm 	p1, p2, pm, pg, rcm, pmm, pmg, pgg	This is not a true symmetry group, like rcm. This 'symmetry' will be found in case the slab has cmm symmetry, but the unit cell supplied is rectangular instead of rhombic (twice as large). This can be used for symmetry reduction to pm, pg, pmm, pmg and pgg. If this reduction is not specified, atom-atom and DISPLACEMENTS constraints will be the ones of the cmm group.
p4 	p1, p2	2 possible pm subgroups: pm[1 0] mirror along **a** pm[0 1] mirror along **b** 2 possible pg subgroups: pg[1 0] glide parallel to **a** pg[0 1] glide parallel to **b** 2 possible r_cm subgroups: rcm[1 0] mirror along **a** rcm[0 1] mirror along **b** 2 possible pmg subgroups: pmg[1 0] glide parallel to **a** pmg[0 1] glide parallel to **b**
p4m 	p1, p2, pm, cm, pmm, cmm, p4	2 possible pm subgroups: pm[1 0] mirror along **a** pm[0 1] mirror along **b** 2 possible cm subgroups: cm[1 1] mirror along **a**+**b** cm[1 -1] mirror along **a**−**b**
p4g 	p1, p2, pg, cm, pgg, cmm, p4	2 possible pg subgroups: pg[1 0] glides parallel to **a** pg[0 1] glides parallel to **b** 2 possible cm subgroups: cm[1 1] mirror parallel to **a**+**b** cm[1 -1] mirror parallel to **a**−**b**
p3 	p1	
p3m1 	p1, p3, cm	3 possible cm subgroups: cm[1 -1] mirrors along **a**−**b** cm[2 1] mirrors along 2**a**+**b** (perp. to **b**) cm[1 2] mirrors along **a**+2**b** (perp. to **a**)
p31m 	p1, p3, cm	3 possible cm subgroups: cm[1 0] mirrors along **a** cm[0 1] mirrors along **b** cm[1 1] mirrors along **a**+**b**
p6 	p1, p2, p3	
p6m 	p1, p2, cm, cmm, p3, p3m1, p31m, p6	6 possible cm subgroups: cm[1 0] mirror along **a** cm[0 1] mirror along **b** cm[1 -1] mirror along **a**−**b** cm[1 1] mirror along **a**+**b** cm[2 1] mirror along 2**a**+**b** (perp. to **b**) cm[1 2] mirror along **a**+2**b** (perp. to **a**) 3 possible cmm subgroups: cmm[1 2] = cmm[1 0] mirrors along **a**+2**b** (perp. to **a**) and **a** cmm[2 1] = cmm[0 1] mirrors along 2**a**+**b** (perp. to **b**) and **b** cmm[1 -1] = cmm[1 1] mirrors along **a**−**b** and **a**+**b**