

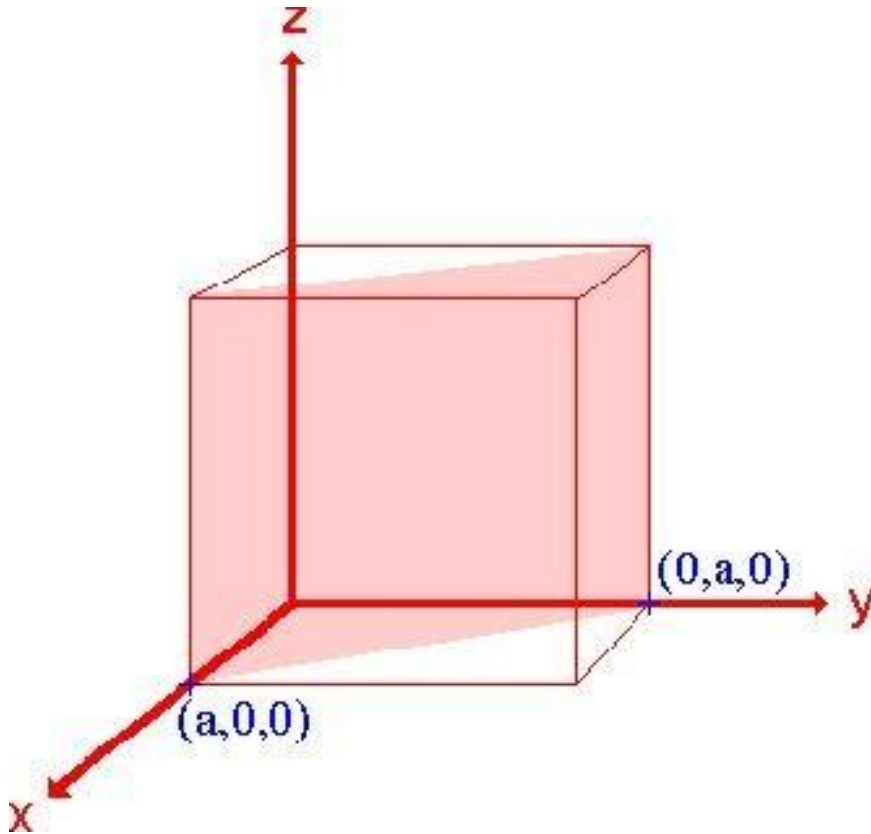
ASESMA 2018

Worksheet 3

Miller Indices



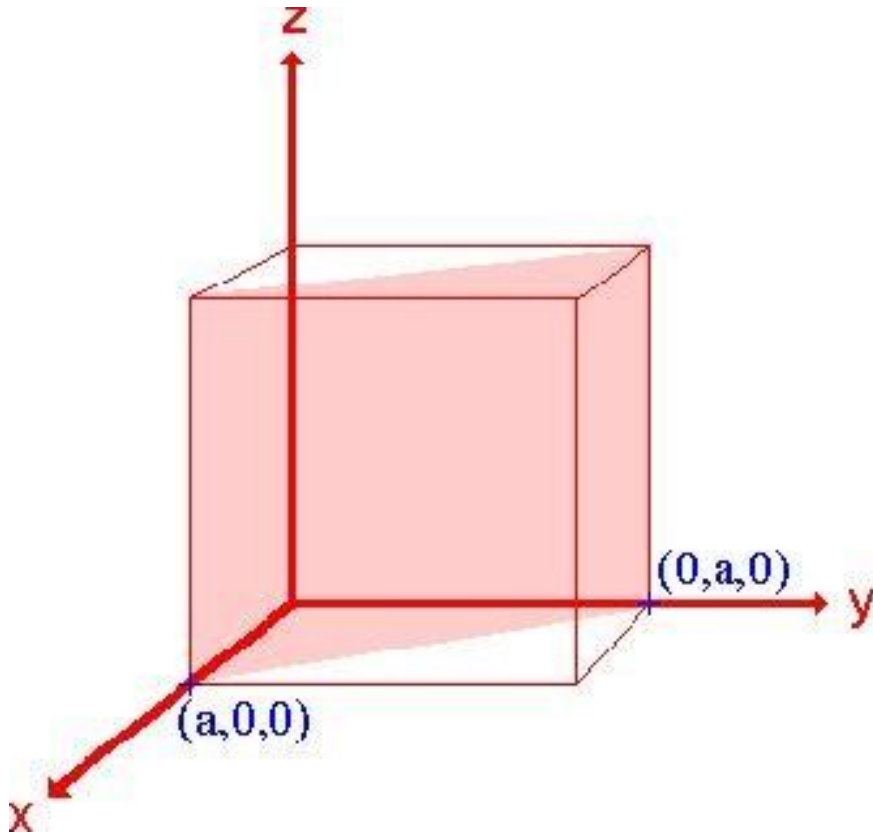
BCC (110) Surface



- Draw the 2D arrangement of atoms on a BCC(110) surface.
- Make sure you mark lengths in units of a (side of conventional cubic unit cell of BCC)
- Draw two PLVs.
- Draw the boundaries of a primitive unit cell.
- To do later: get the coordinates of atoms in the top 3 layers.



FCC (110) Surface



- Draw the 2D arrangement of atoms on a FCC(110) surface.
- Make sure you mark lengths in units of a (side of conventional cubic unit cell of FCC)
- Draw two PLVs.
- Draw the boundaries of a primitive unit cell.
- To do later: get the (x,y,z) coordinates of atoms in the first three layers.

