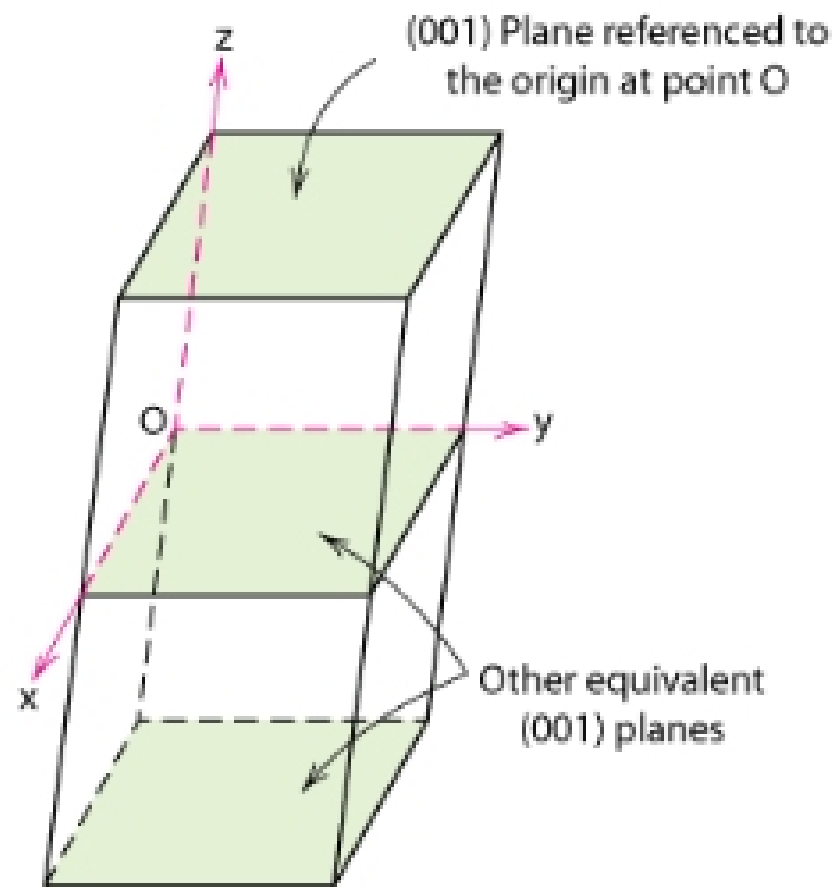


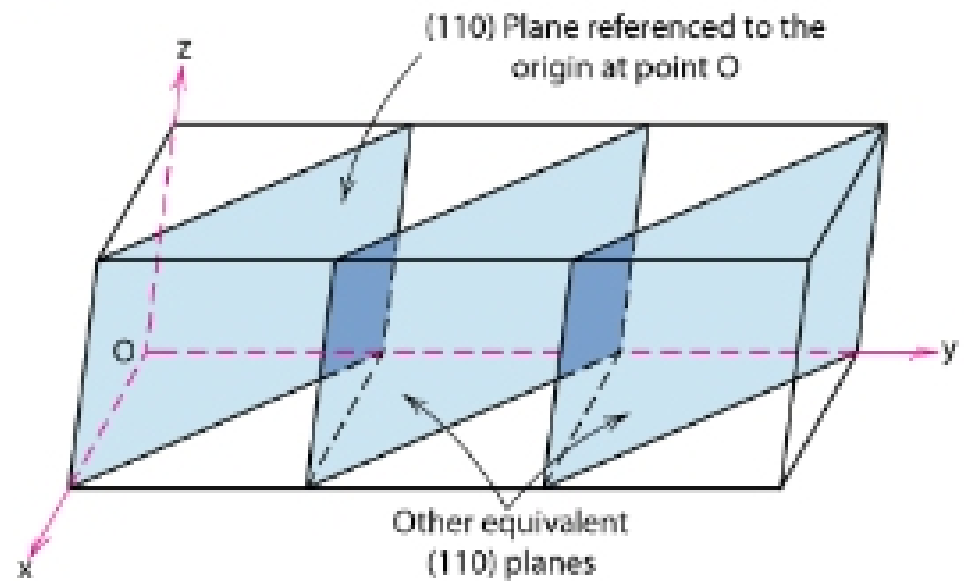
Crystal Structure III



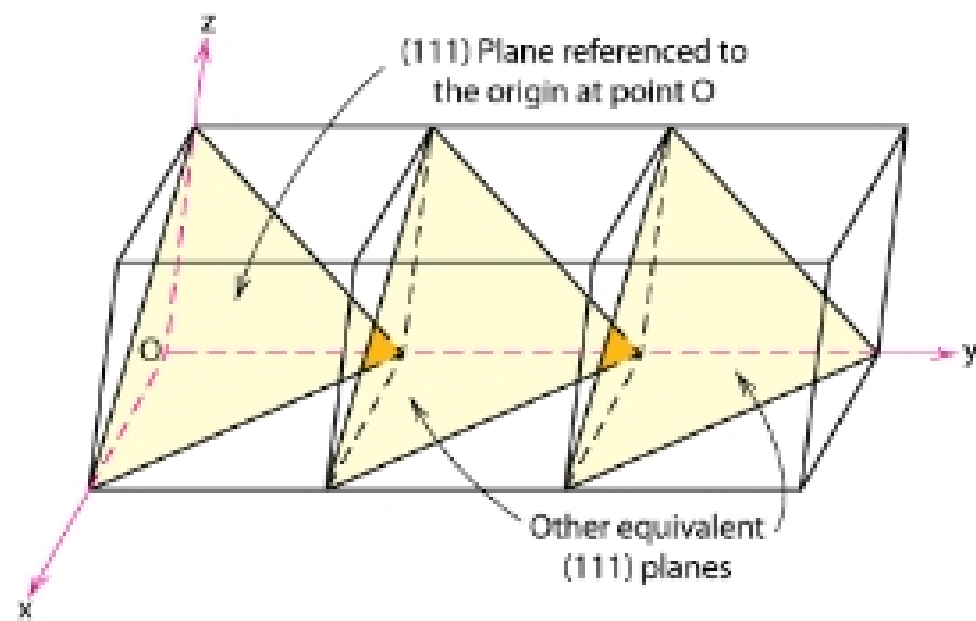
Crystallographic Planes



(a)



(b)



(c)

Adapted from Fig. 3.10,
Callister & Rethwisch 8e.

Crystallographic Planes

- **Miller Indices:** Reciprocals of the (three) axial intercepts for a plane, cleared of fractions & common multiples. All parallel planes have same Miller indices.
- **Algorithm**
 1. Read off intercepts of plane with axes in terms of a, b, c
 2. Take reciprocals of intercepts
 3. Reduce to smallest integer values
 4. Enclose in parentheses, no commas i.e., (hkl)