

1. Draw crystallographic direction for:

(i) $[110]$

(ii) $[123]$

2. Determine the Miller indices for following plane:

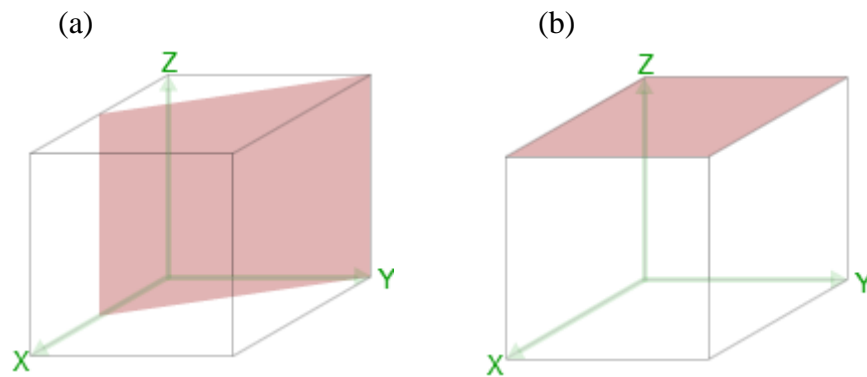


Figure 1

3. What is the notation for vector direction in the cubic crystal in Figure 2?

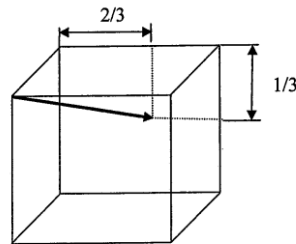


Figure 2

(a) $[321]$

(b) $[231]$

(c) $[\bar{2}\bar{3}\bar{1}]$

(d) $[\bar{3}\bar{2}\bar{1}]$

