SNS COLLEGE OF TECHNOLOGY



(AN AUTONOMOUS INSTITUTION)
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el. Calculate the d of three important planes (100), (110), 111 of sec.

$$d_{100} = \frac{a}{\sqrt{120+0}} \Rightarrow \frac{a}{\sqrt{2}}$$

$$d_{110} = \frac{a}{\sqrt{147+1}} = \frac{a}{\sqrt{3}}$$

(b) The distance blue (10) plane in a BCC Structure is $\sqrt{2}$, 03 f.

what is the street of unit cell,

$$d_{110} = \frac{a}{\sqrt{12+17+0}} \Rightarrow \frac{a}{\sqrt{2}}$$

$$\sqrt{2}$$

$$\sqrt{2}$$

$$\sqrt{3} \times \sqrt{5} = a$$

$$\sqrt{2} \cdot \sqrt{3} + a = a$$

$$\sqrt{2} \cdot \sqrt{3} + a = a$$

$$\sqrt{3} \cdot \sqrt{6} = a$$

$$\sqrt{147+0} \Rightarrow \sqrt{2}$$

$$\sqrt{3} \cdot \sqrt{6} = a$$

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