

$\delta$  = true dip angle

$\beta$  = angle between strike and the  
vertical plane of the cross section

$\alpha$  = apparent dip angle (always  $\leq \delta$ )

$$\tan(\alpha) = \tan(\delta) \sin (\beta)$$

$$\alpha = \tan^{-1}[\tan(\delta) \sin (\beta)]$$

$$\alpha = \arctan[\tan(\delta) \sin (\beta)]$$

$$\alpha = \text{Atan}[\tan(\delta) \sin (\beta)]$$