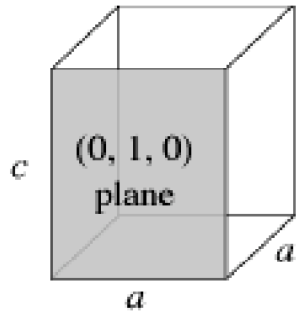
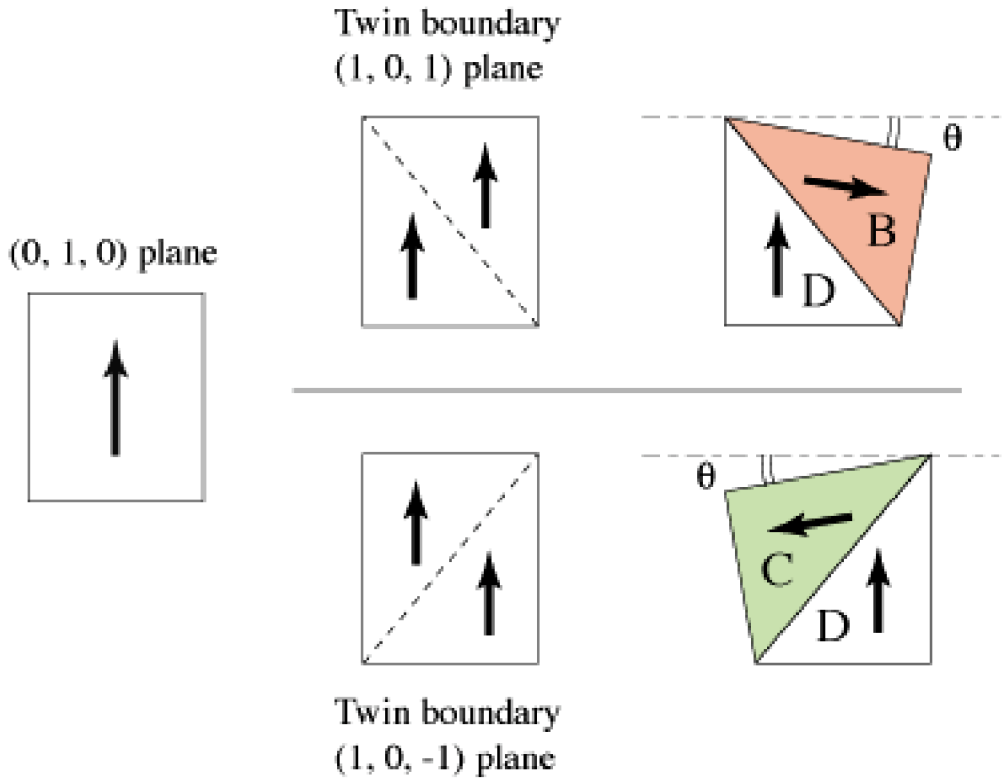
Tetragonal Twin, April 2004

(Ref. Memo 5, Tetragonal domains)

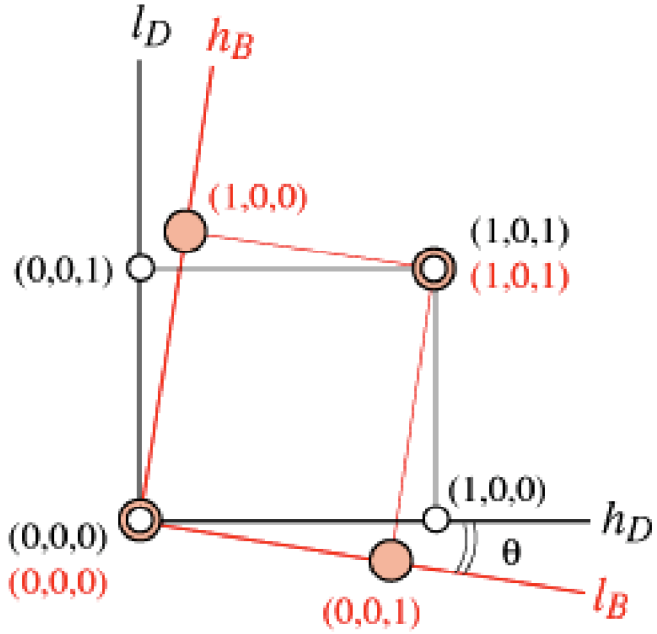


HH-1

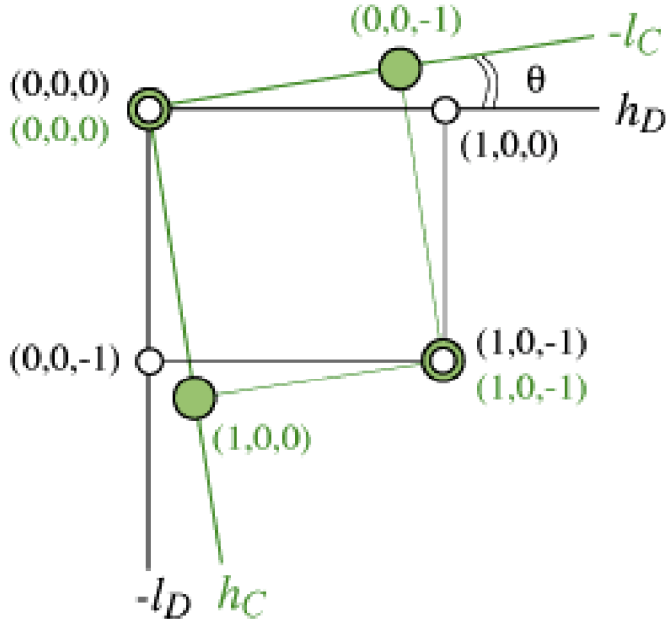


HH-2

HH-3



HH-4



If $a^2c = a_{cub}^3$,

$$a^* = (1 + \delta)\, a_{cub}^* \qquad a = \frac{a_{cub}}{1 + \delta}$$

or

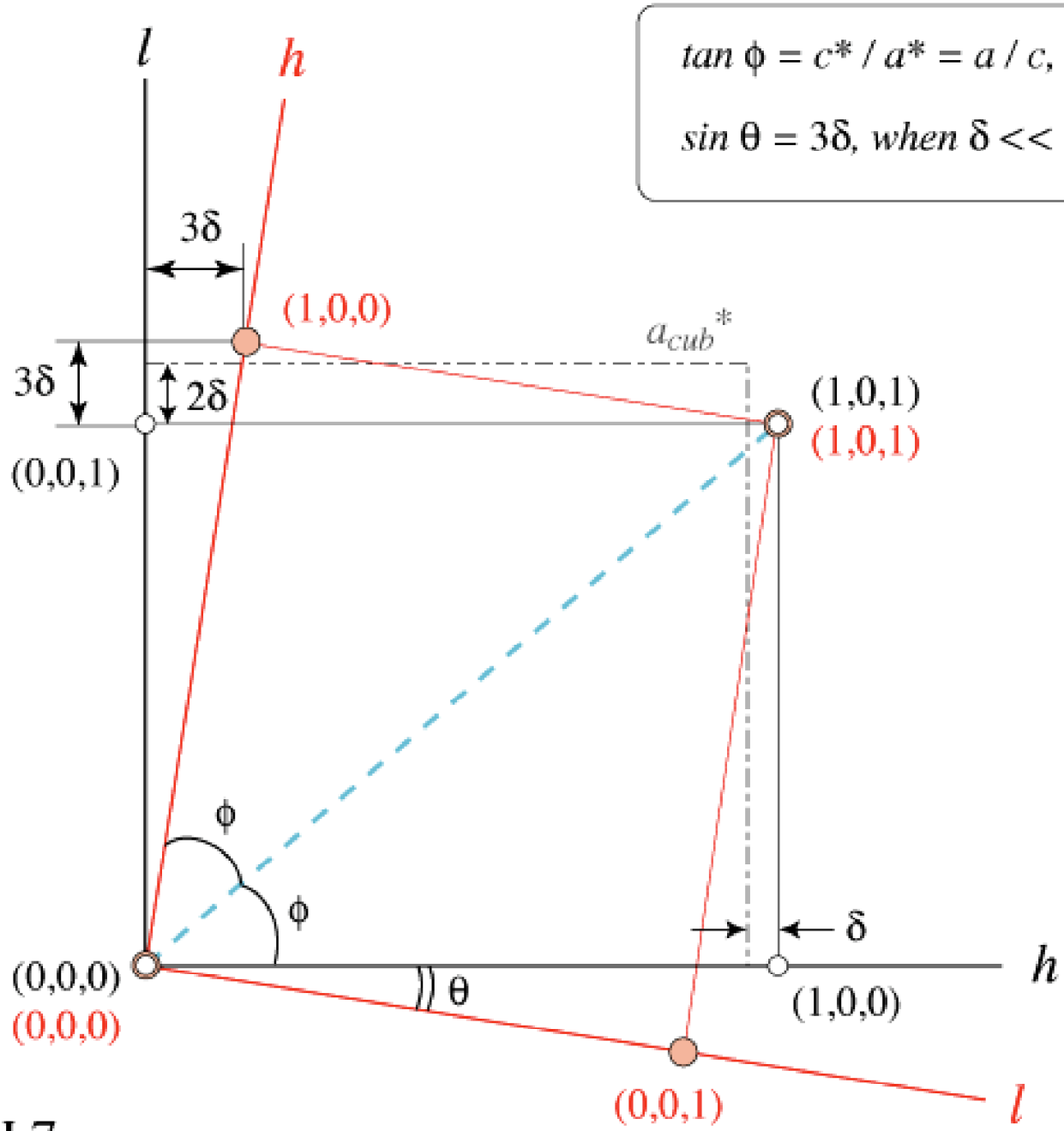
$$c^* = (1 - 2\delta)\, a_{cub}^* \qquad c = \frac{a_{cub}}{1 - 2\delta}$$

HH-5

HH-6

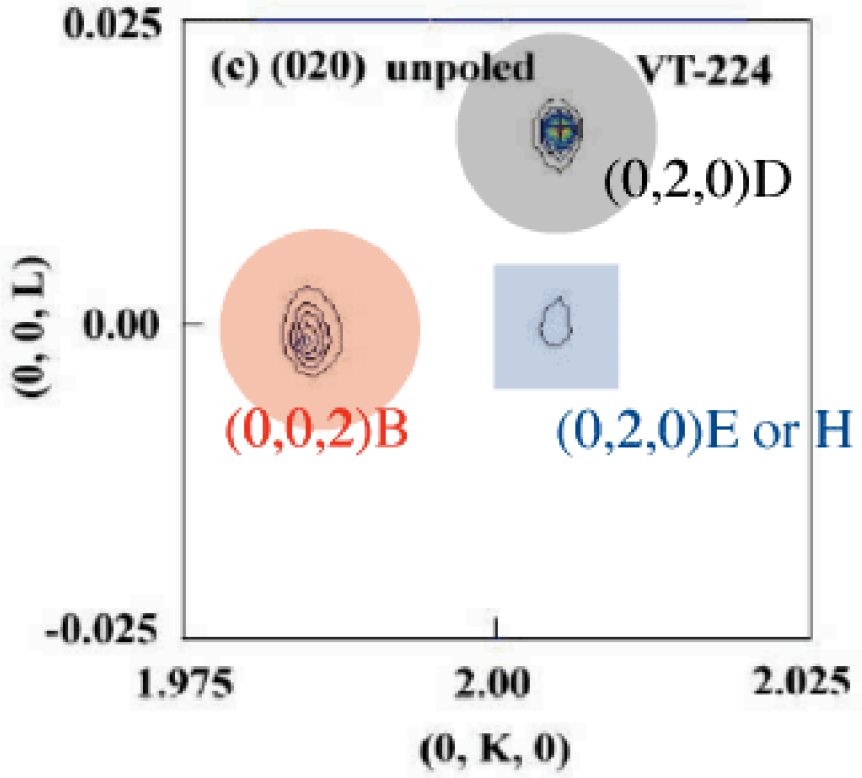
$\tan \phi = c^* / a^* = a / c$,

$\sin \theta = 3\delta$, *when* $\delta << 1$.

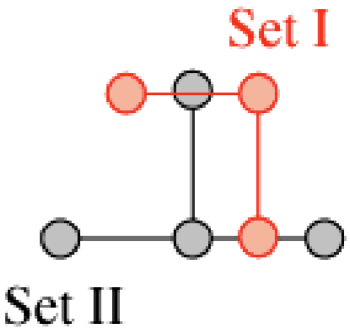


HH-7

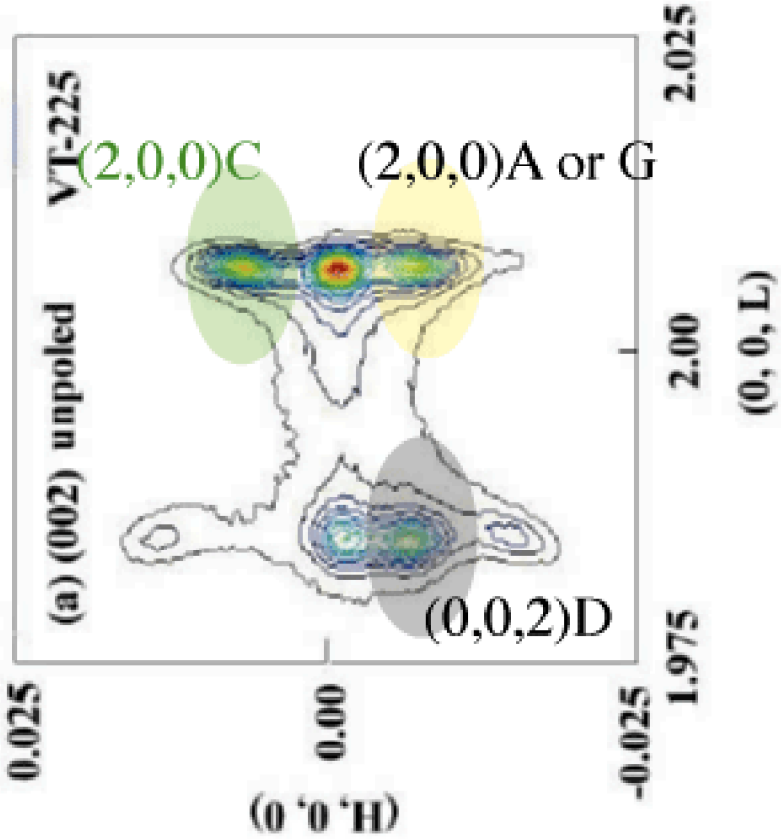
One possibility ...



HH-8



? ? ?



HH-9