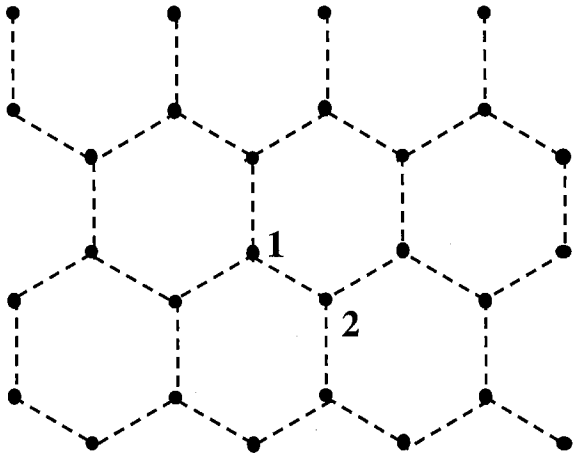


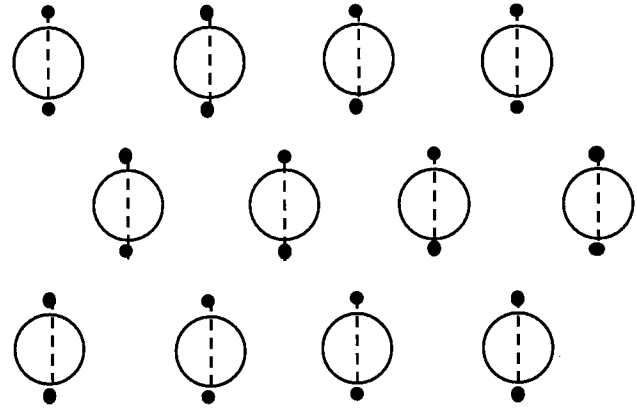
$$\vec{R} = u \vec{a} + v \vec{b}$$

$$\vec{R}_1 = 3\vec{a} + 2\vec{b}$$

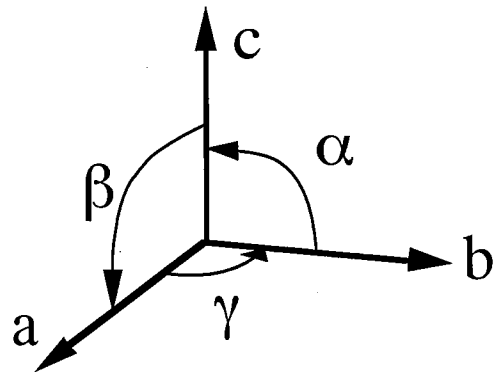
$$\vec{R}_2 = -2\vec{a} - \vec{b}$$

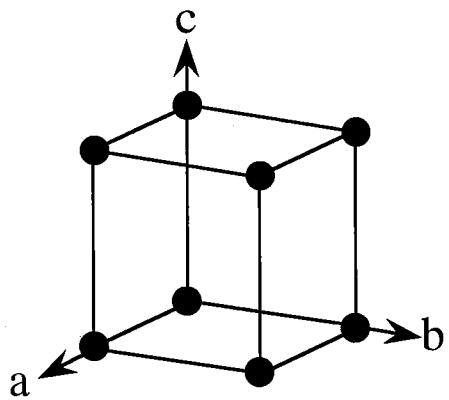


(a)

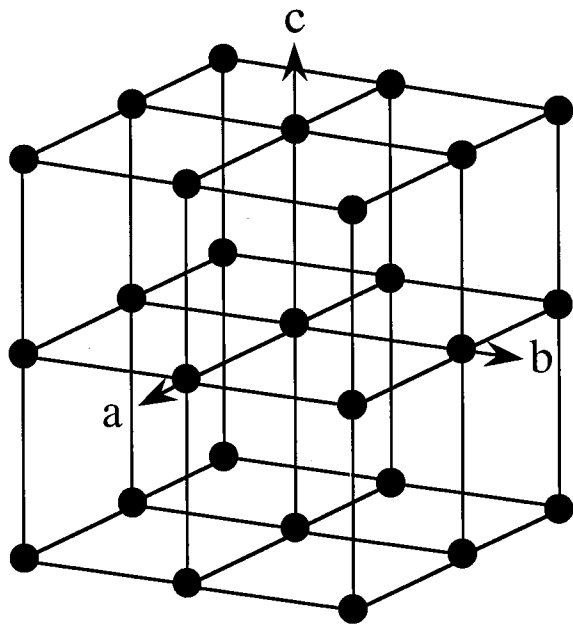


(b)

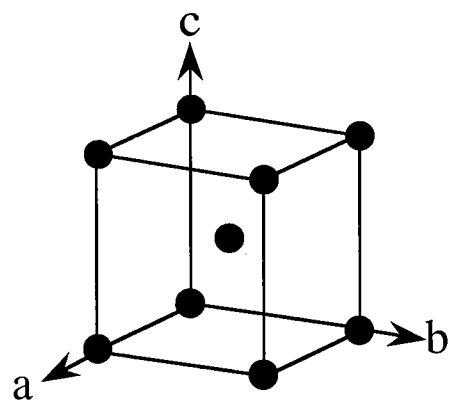




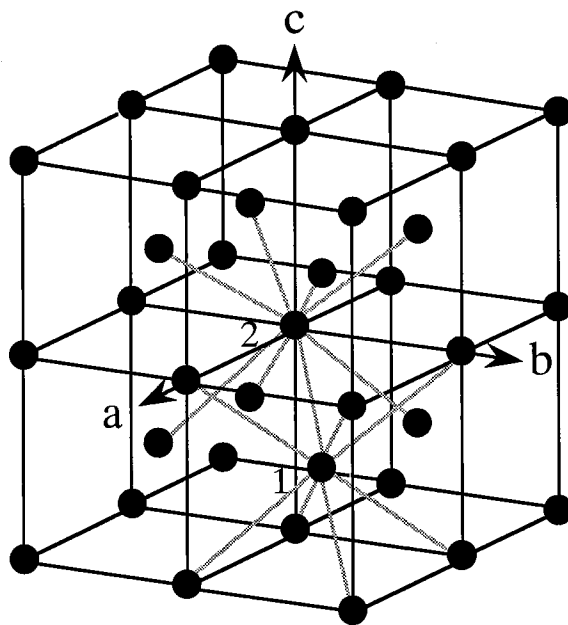
(a)



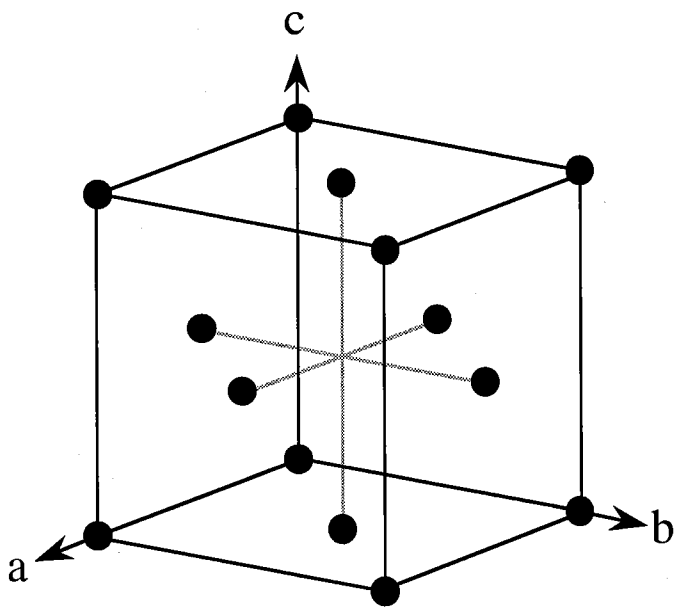
(b)



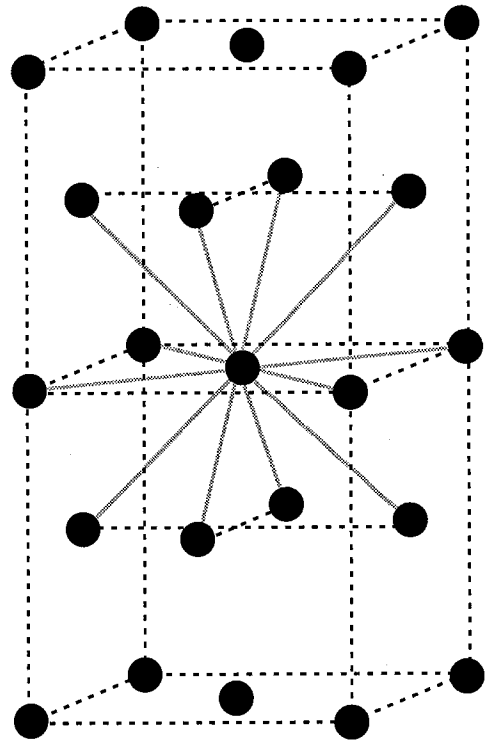
(a)



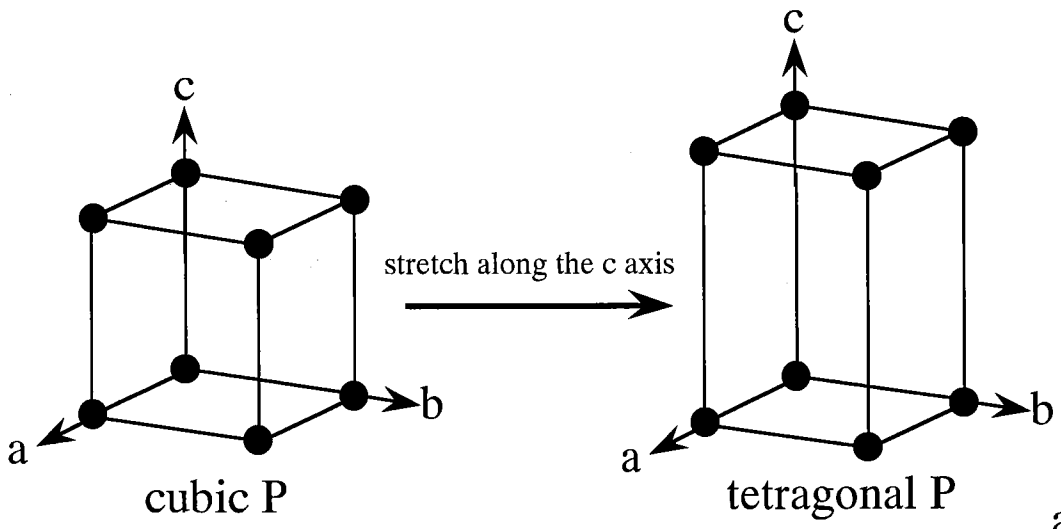
(b)



(a)

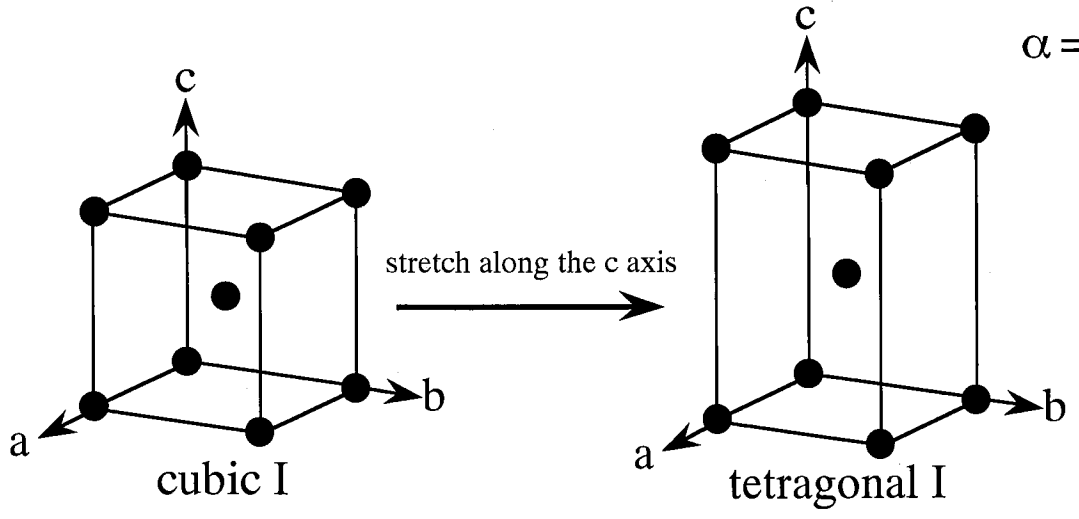


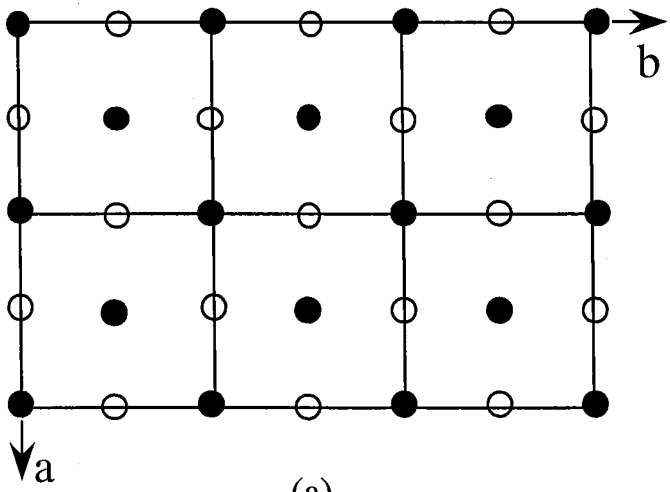
(b)



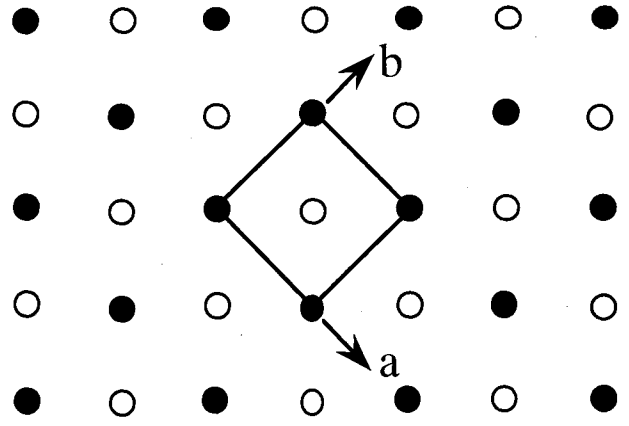
$$a = b \neq c$$

$$\alpha = \beta = \gamma = 90$$

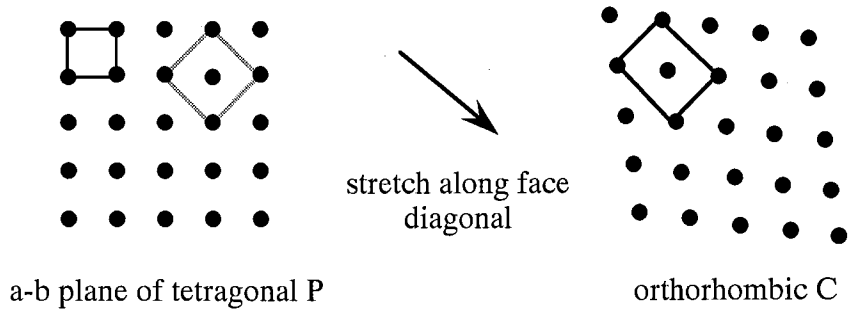


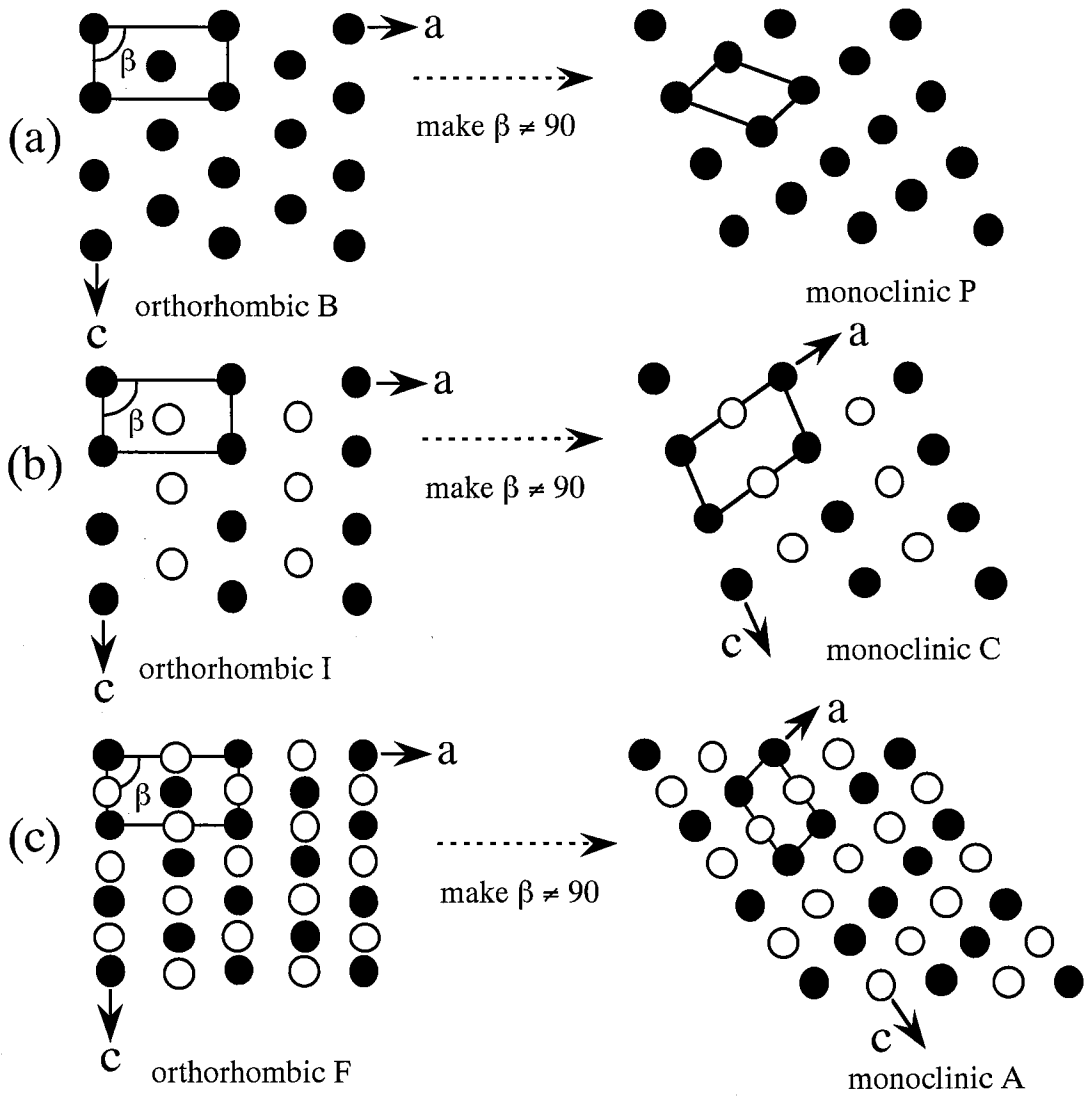


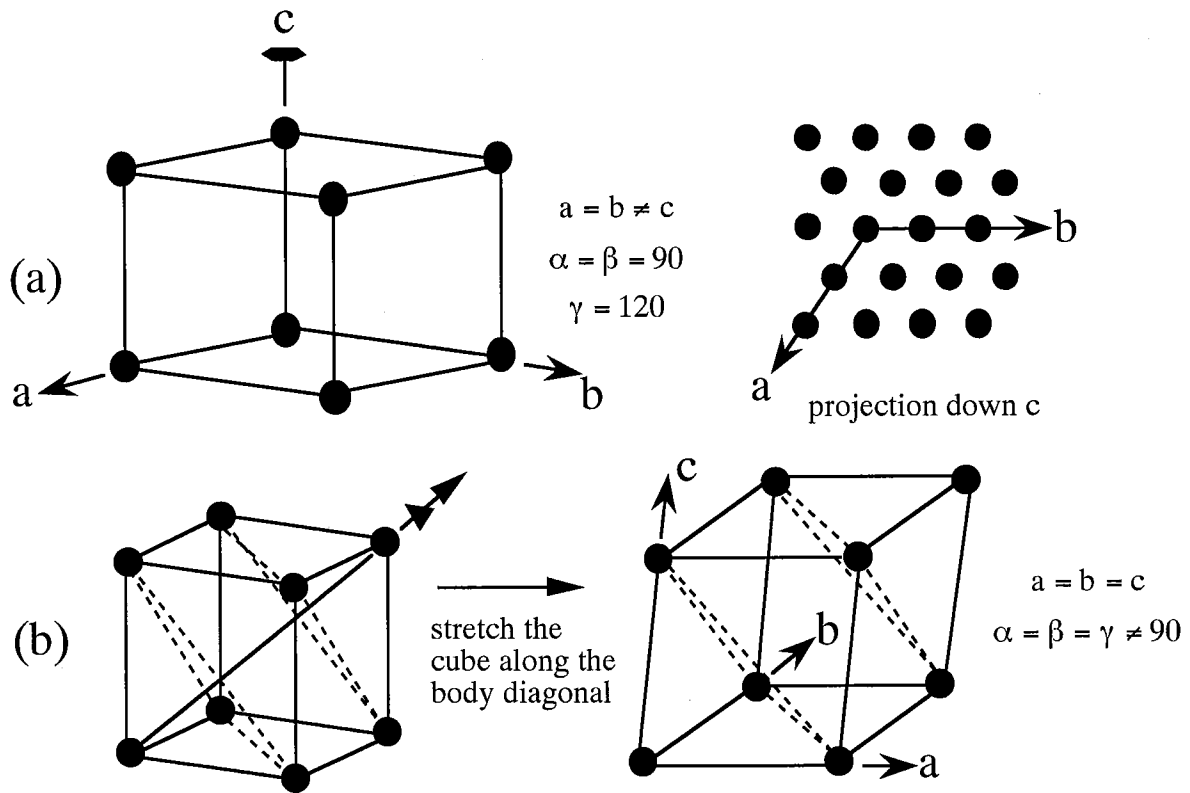
(a)

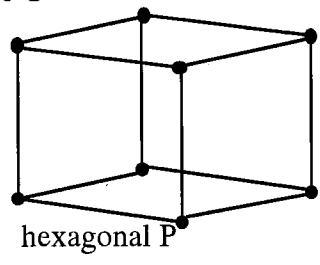
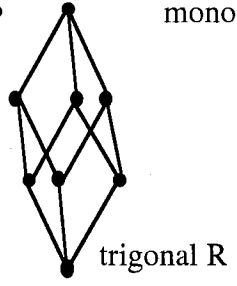
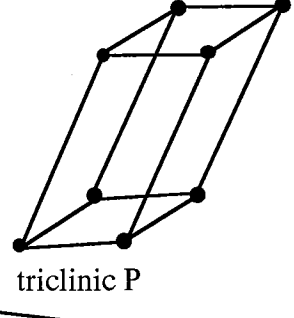
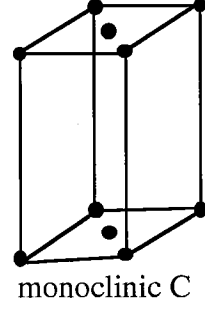
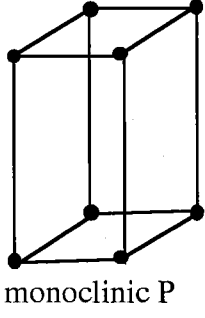
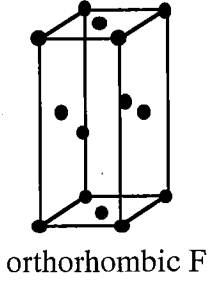
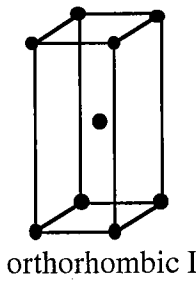
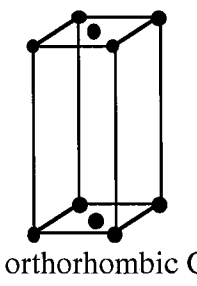
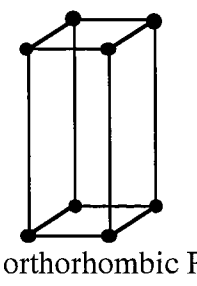
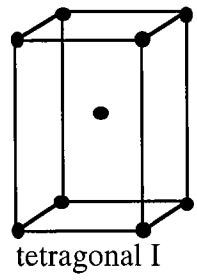
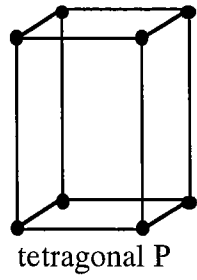
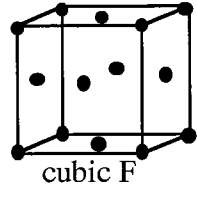
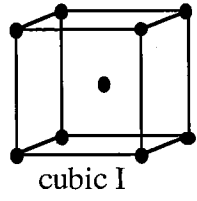
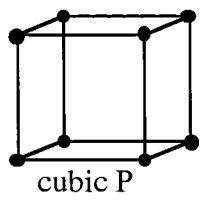


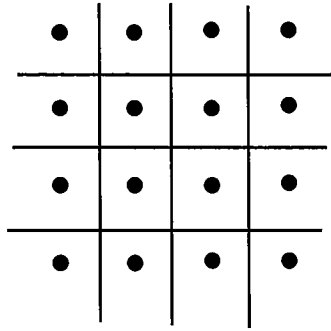
(b)



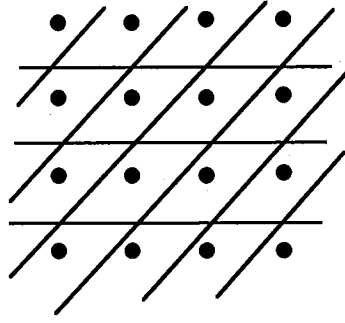




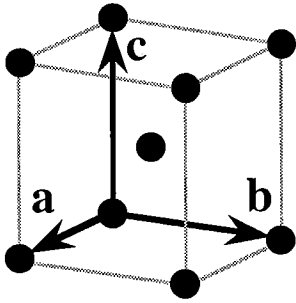




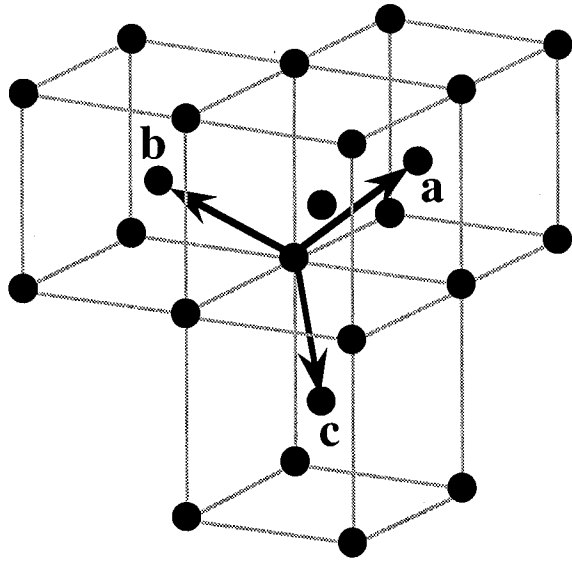
(a)



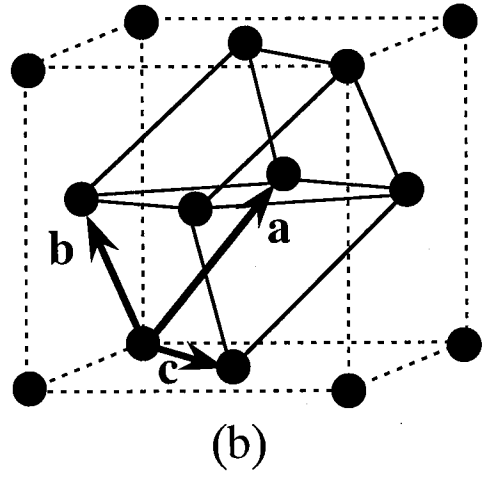
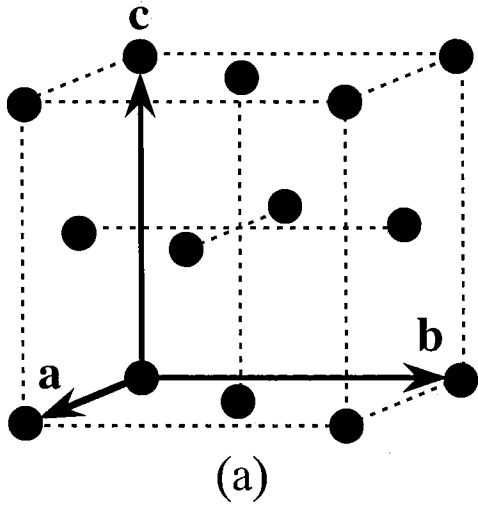
(b)

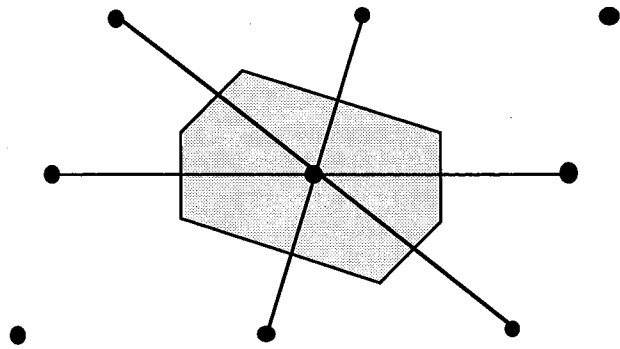


(a)

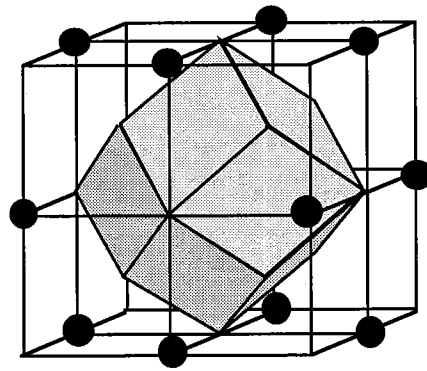


(b)

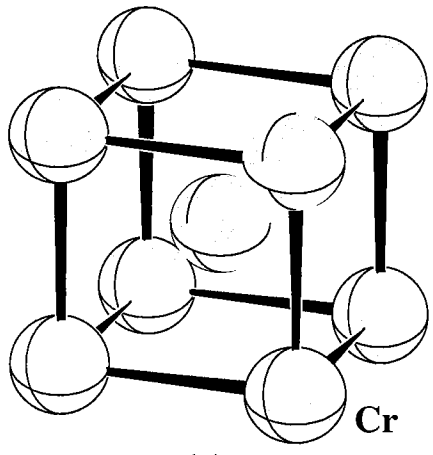




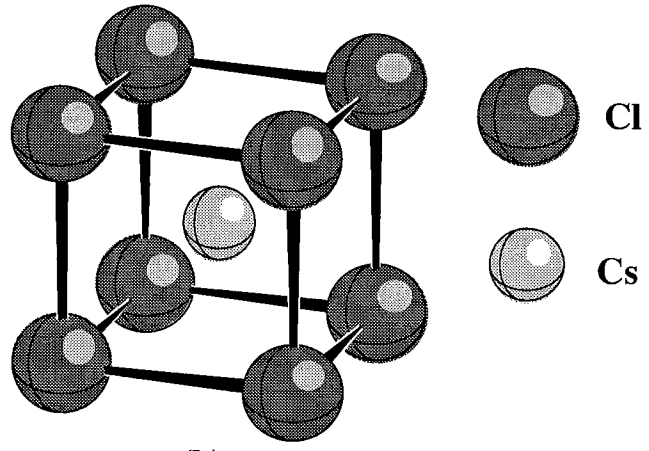
(a)



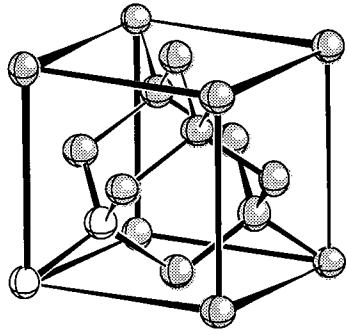
(b)



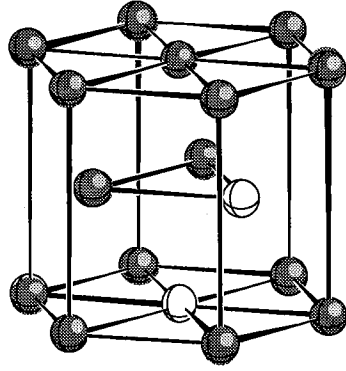
(a)



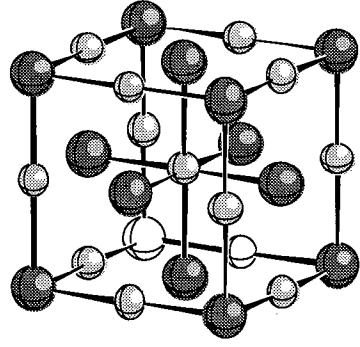
(b)



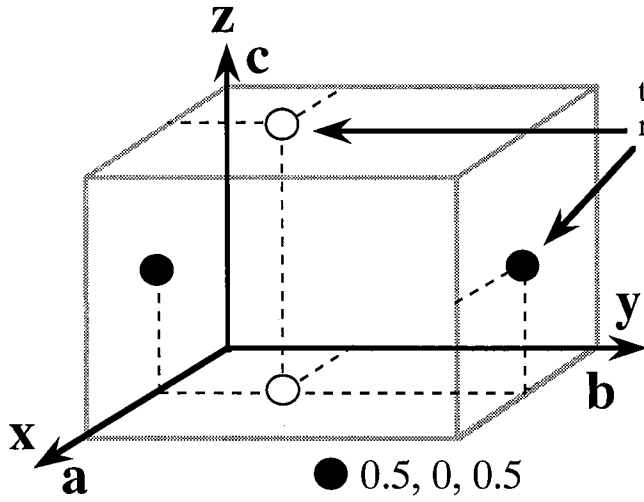
(a)



(b)

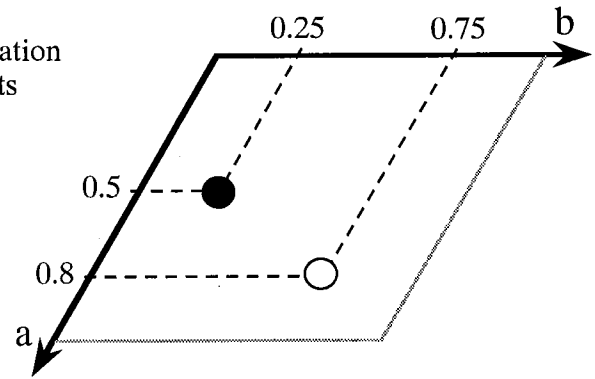


(c)



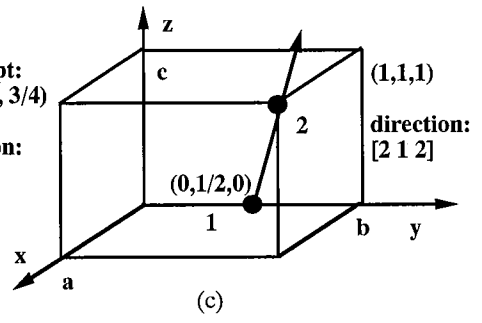
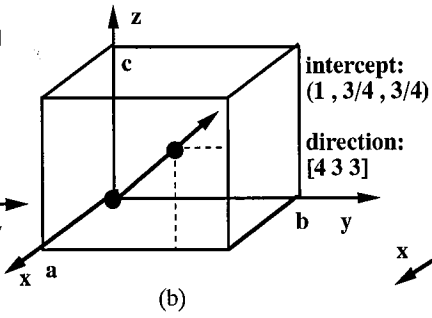
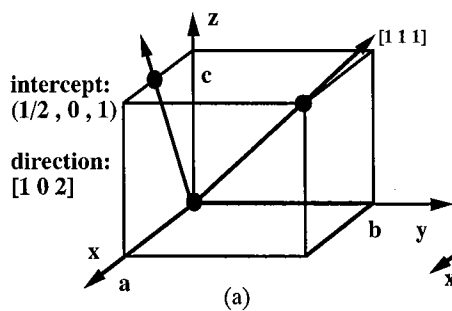
(a)

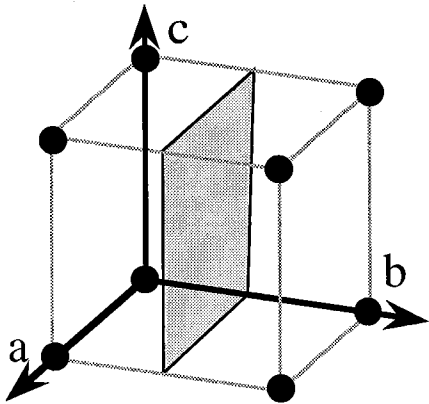
- $0.5, 0, 0.5$
- $0.5, 0.3, 0$



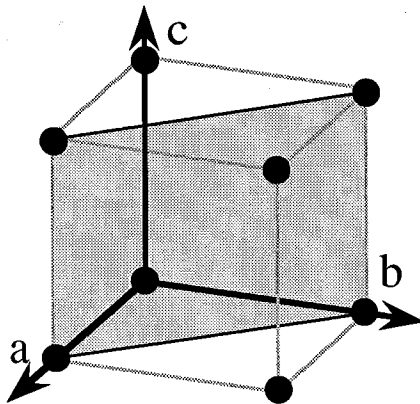
(b)

- $(0.8, 0.75, 0)$
- $(0.5, 0.25, 0)$

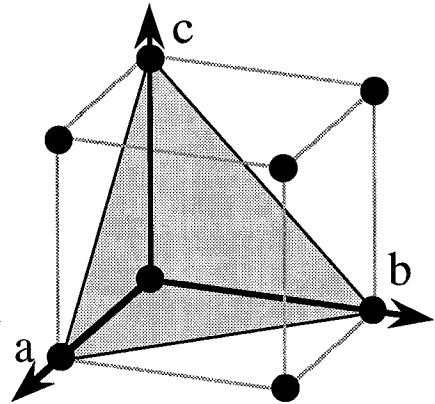




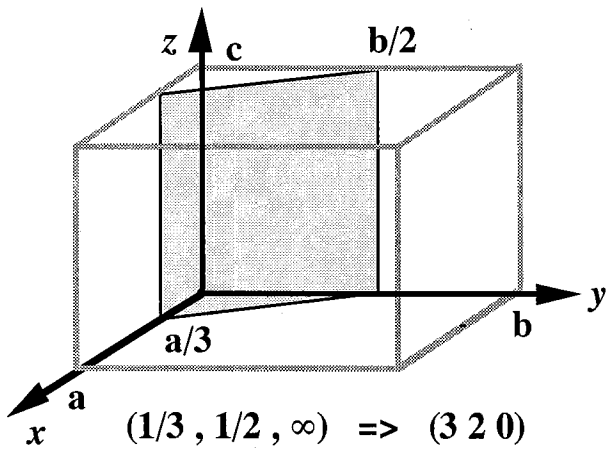
intercepts: $(-, 1/2, -)$
index: $(0\ 2\ 0)$



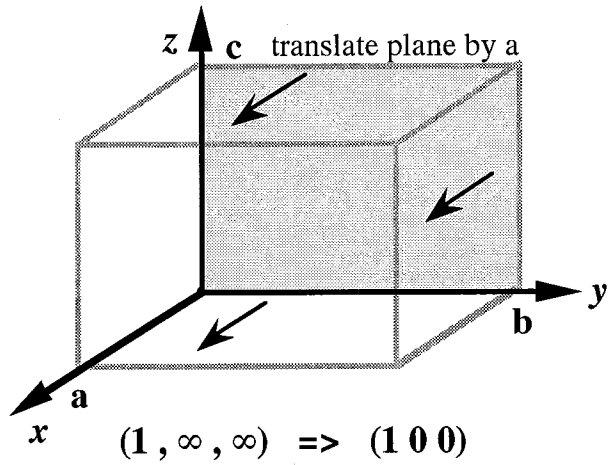
intercepts: $(1, 1, -)$
index: $(1\ 1\ 0)$



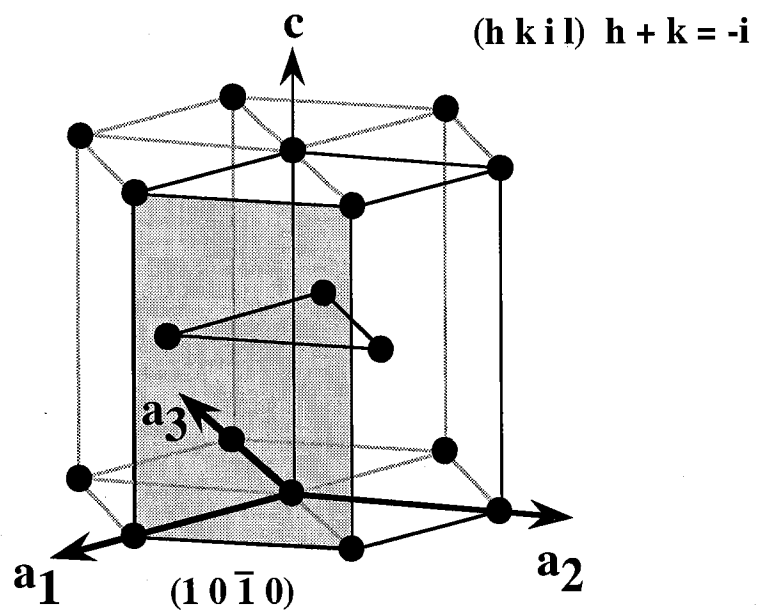
intercepts: $(1, 1, 1)$
index: $(1\ 1\ 1)$

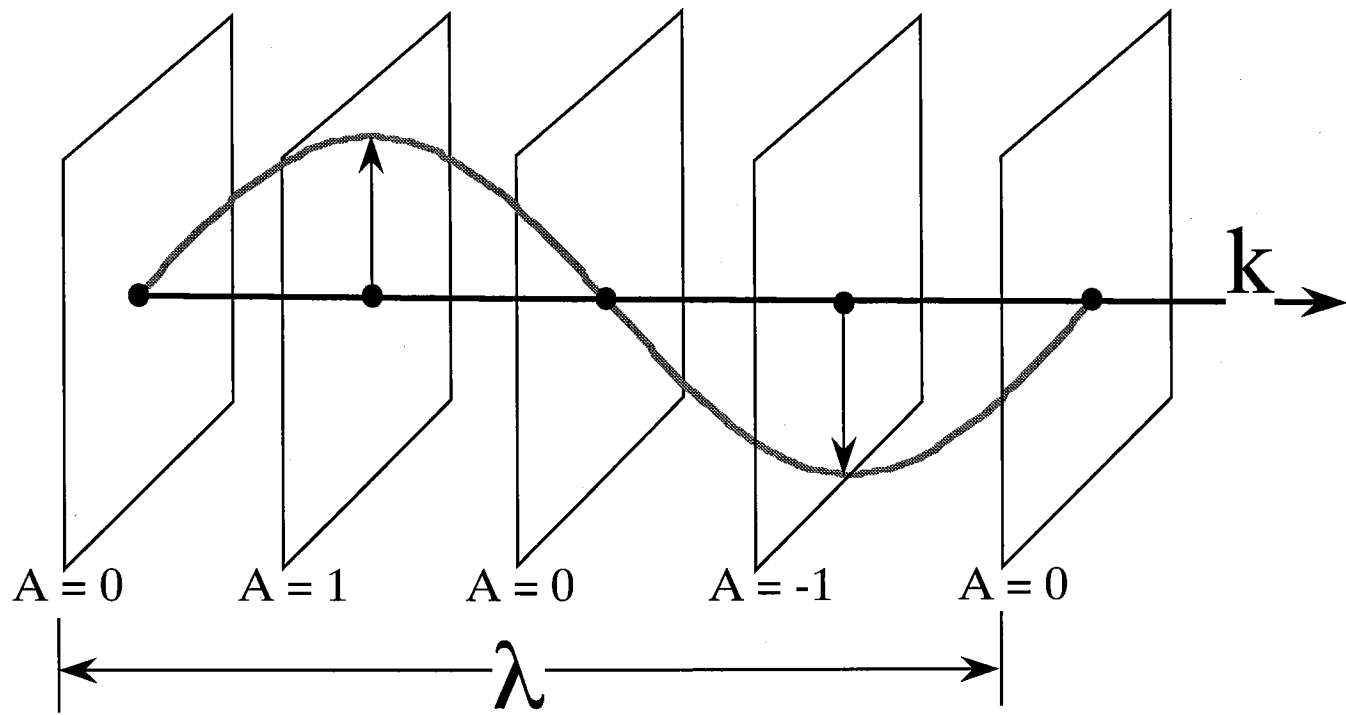


(a)

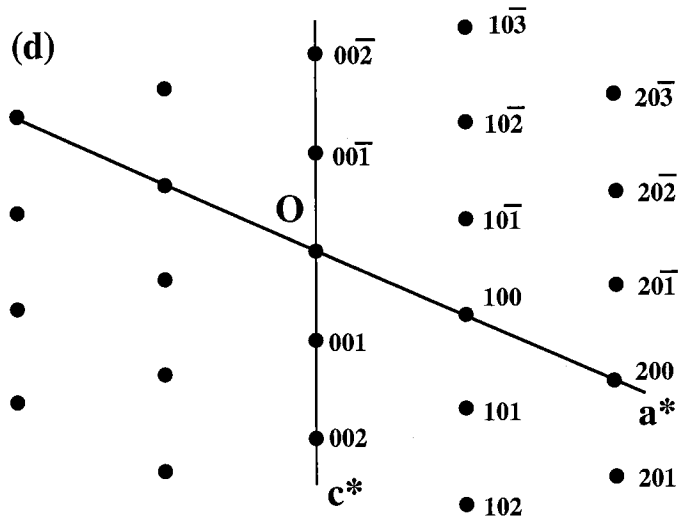
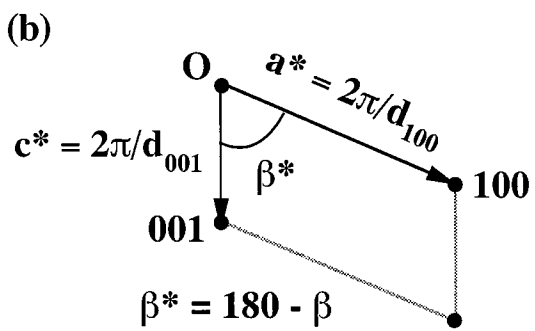
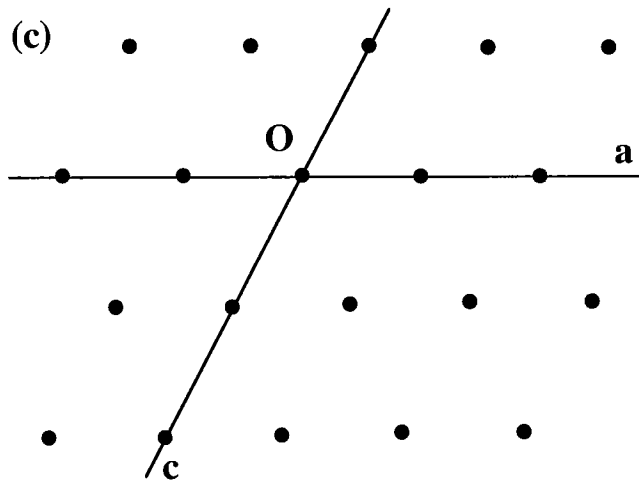
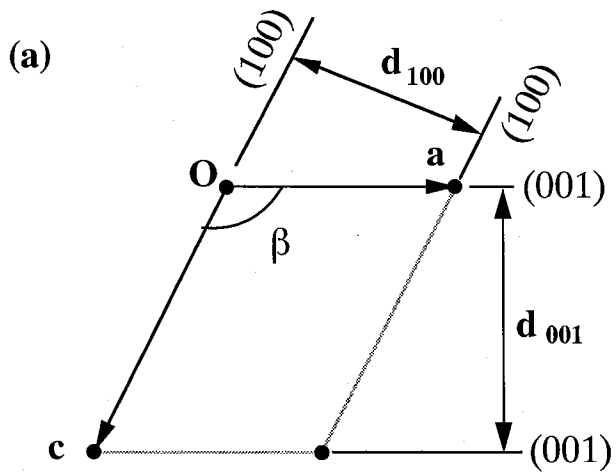


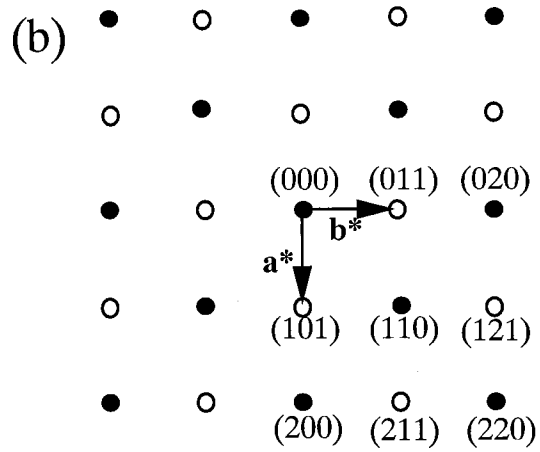
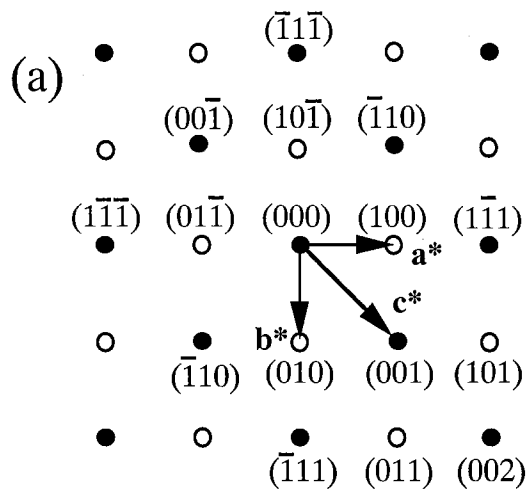
(b)

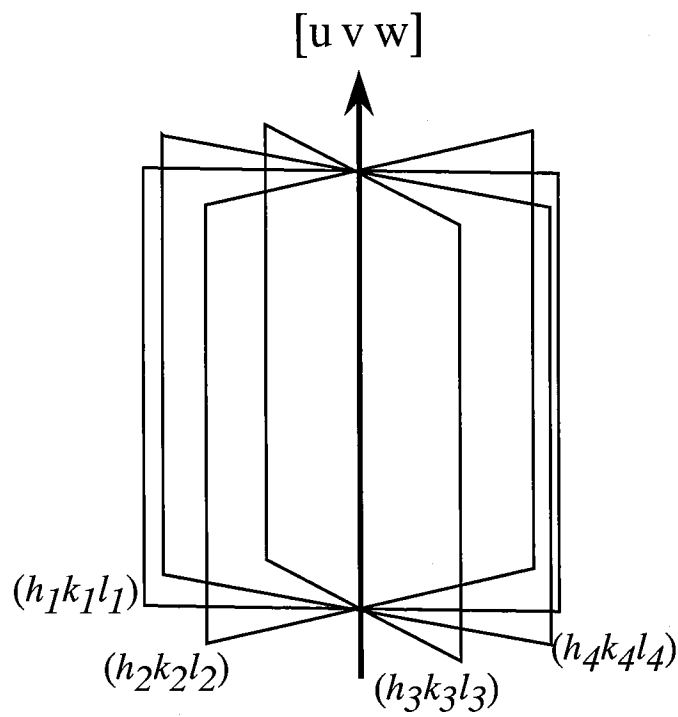




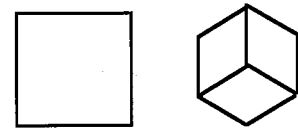
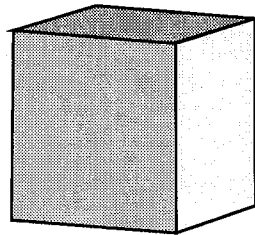
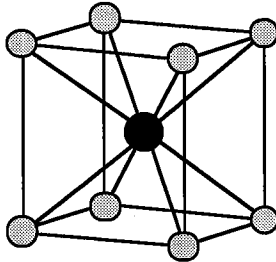
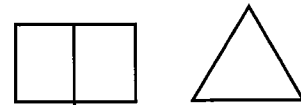
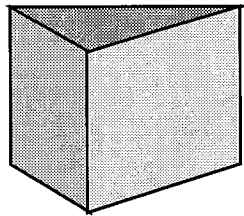
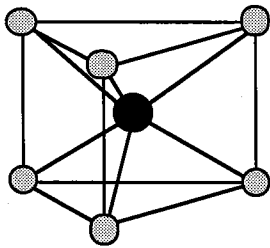
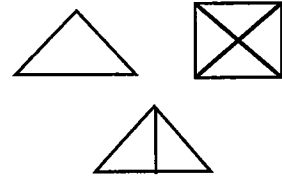
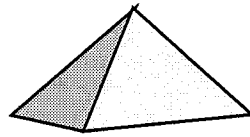
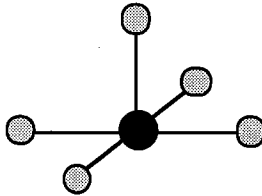
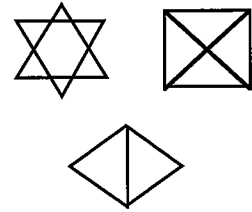
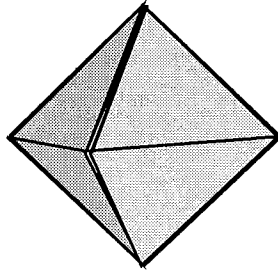
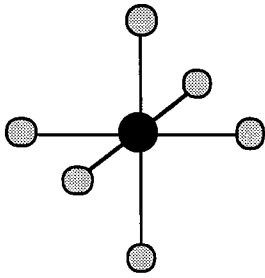
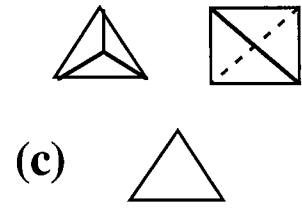
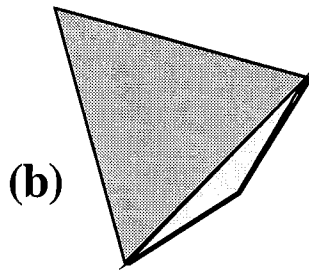
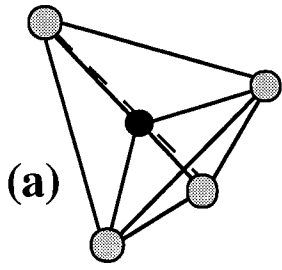
2.24

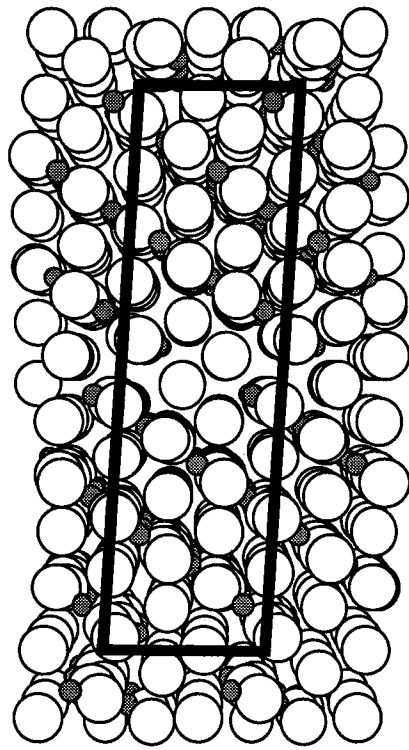




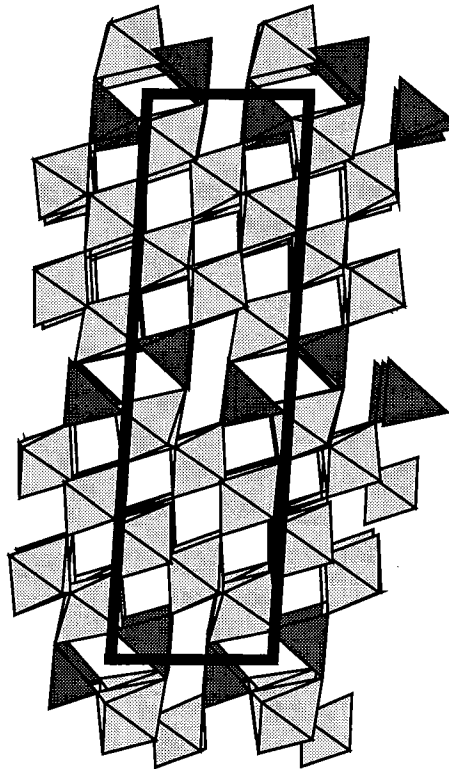


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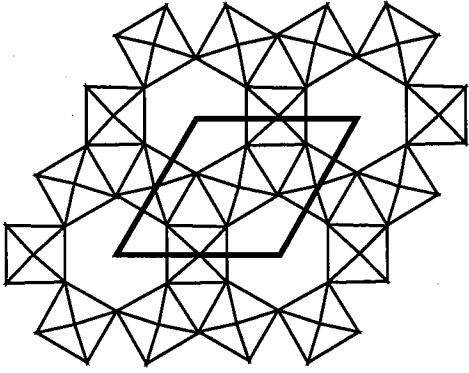




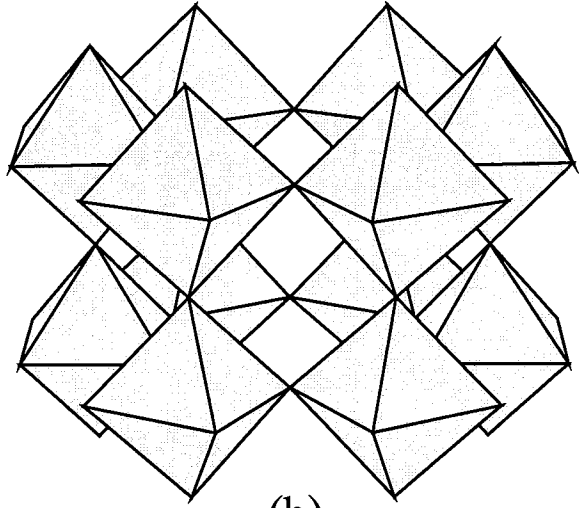
(a)



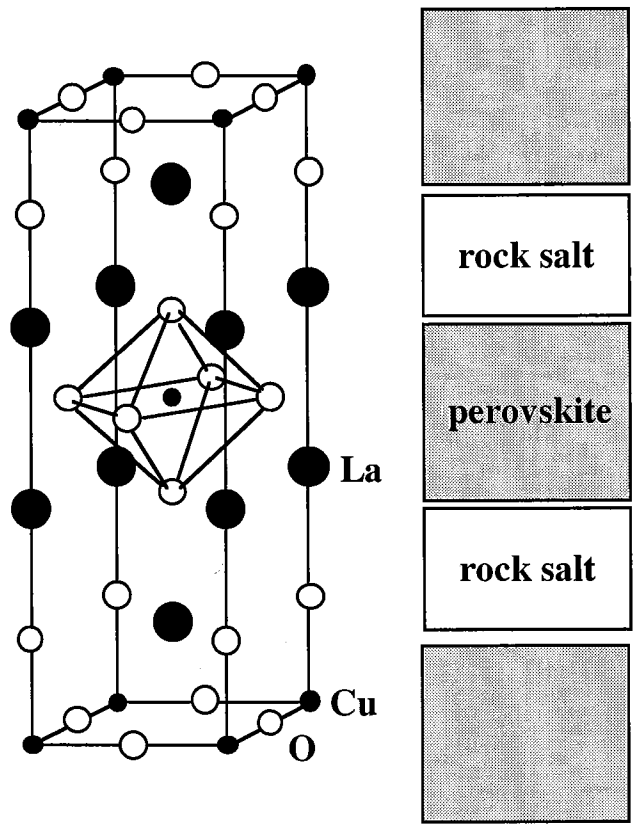
(b)



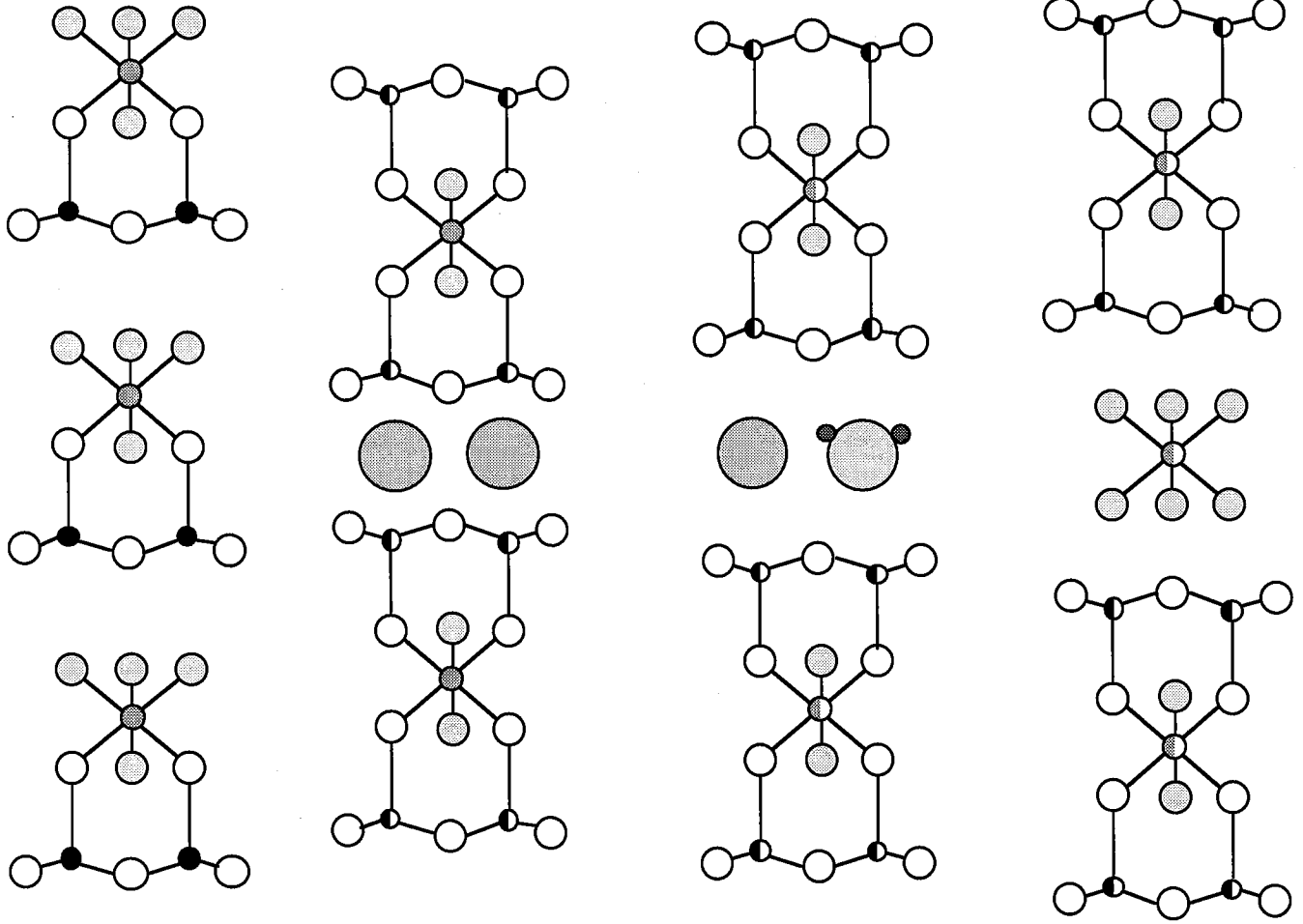
(a)



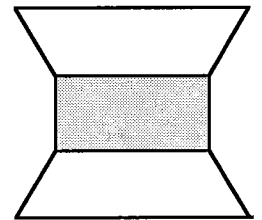
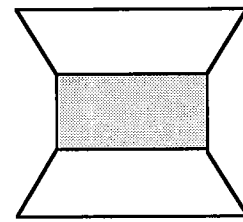
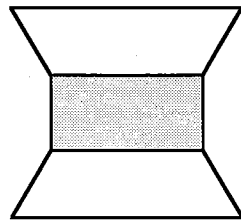
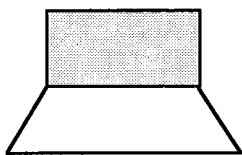
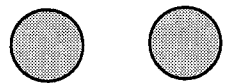
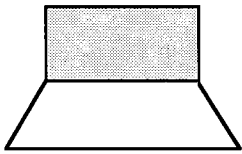
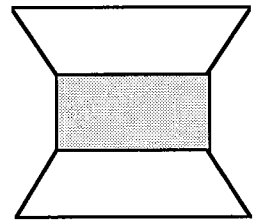
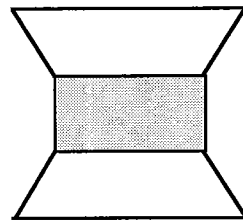
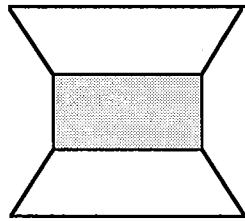
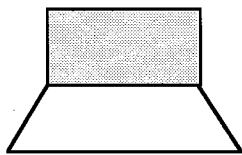
(b)



2.31



● Si ○ O ● OH ● Al ● Si-Al ○ Al-Mg ● K ● H₂O

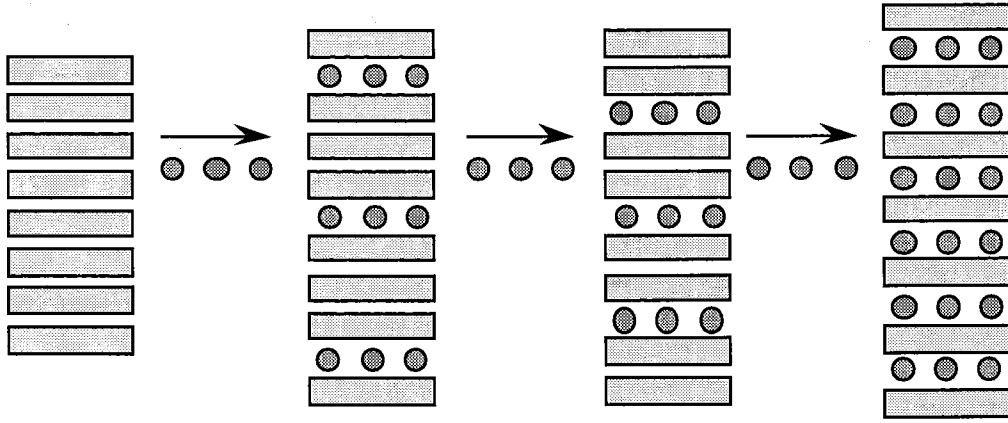


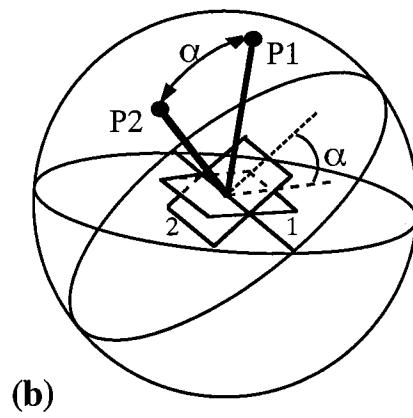
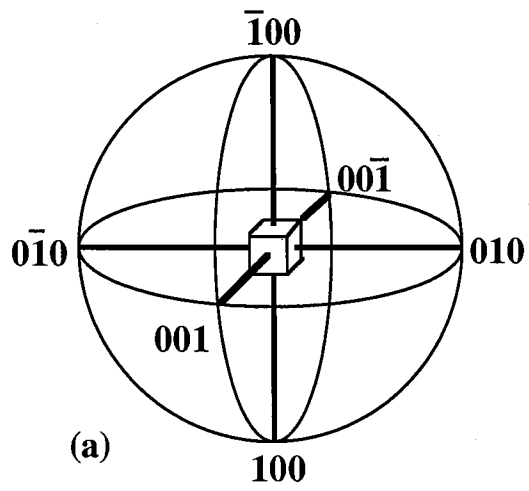
Kaolinite

**Muscovite
(mica)**

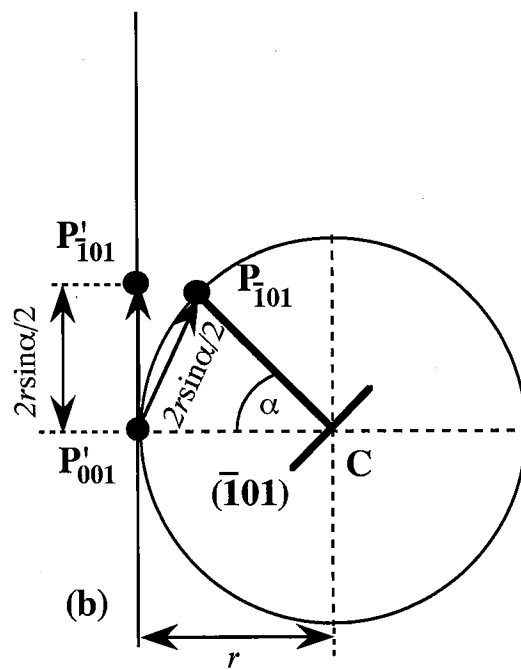
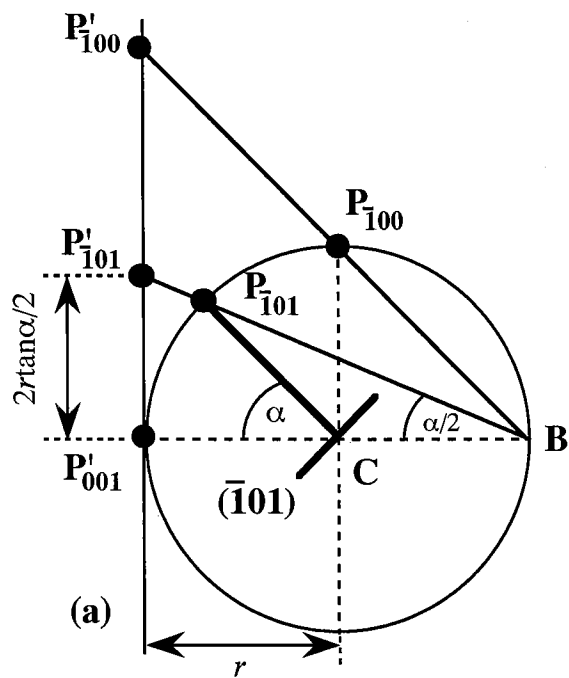
Montmorillonite

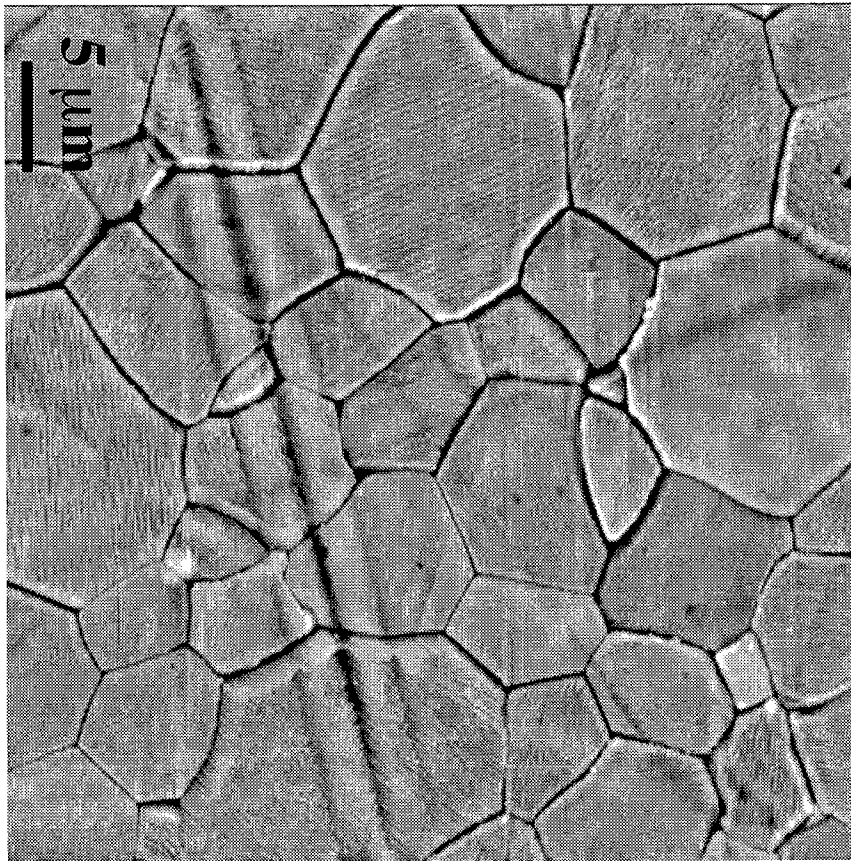
Chlorite



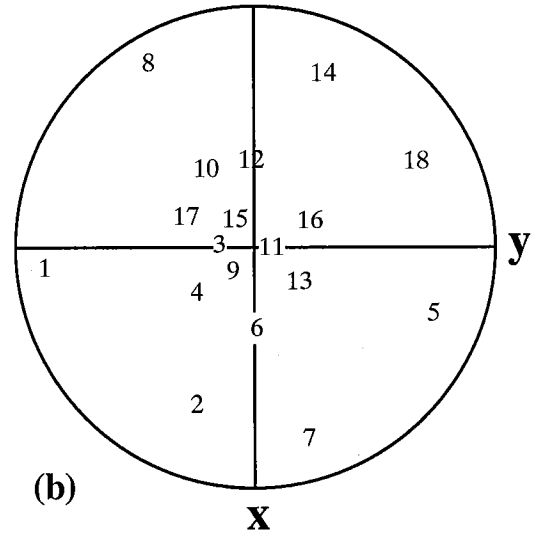
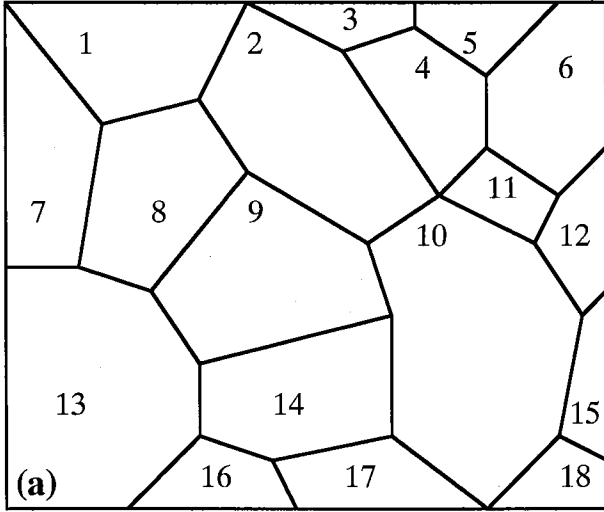


2.34

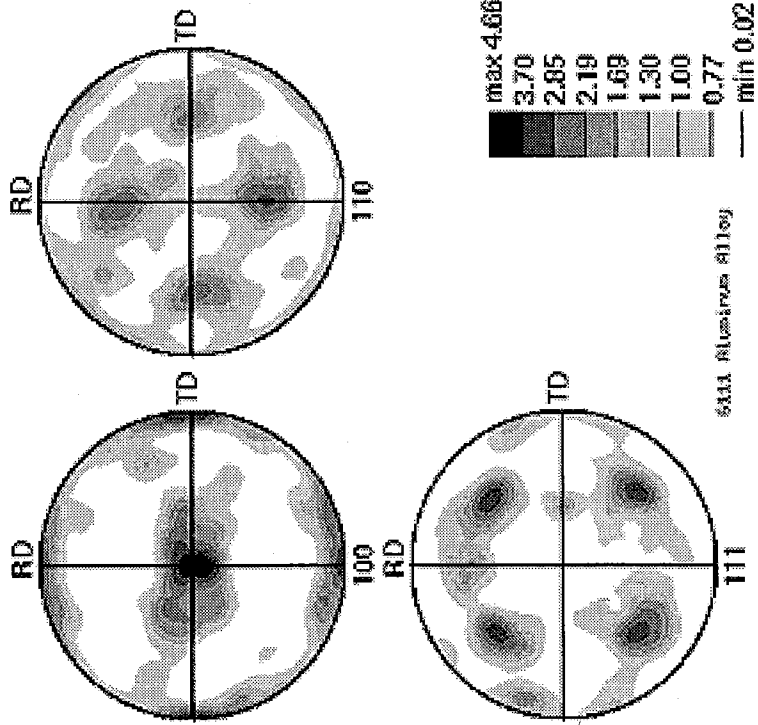




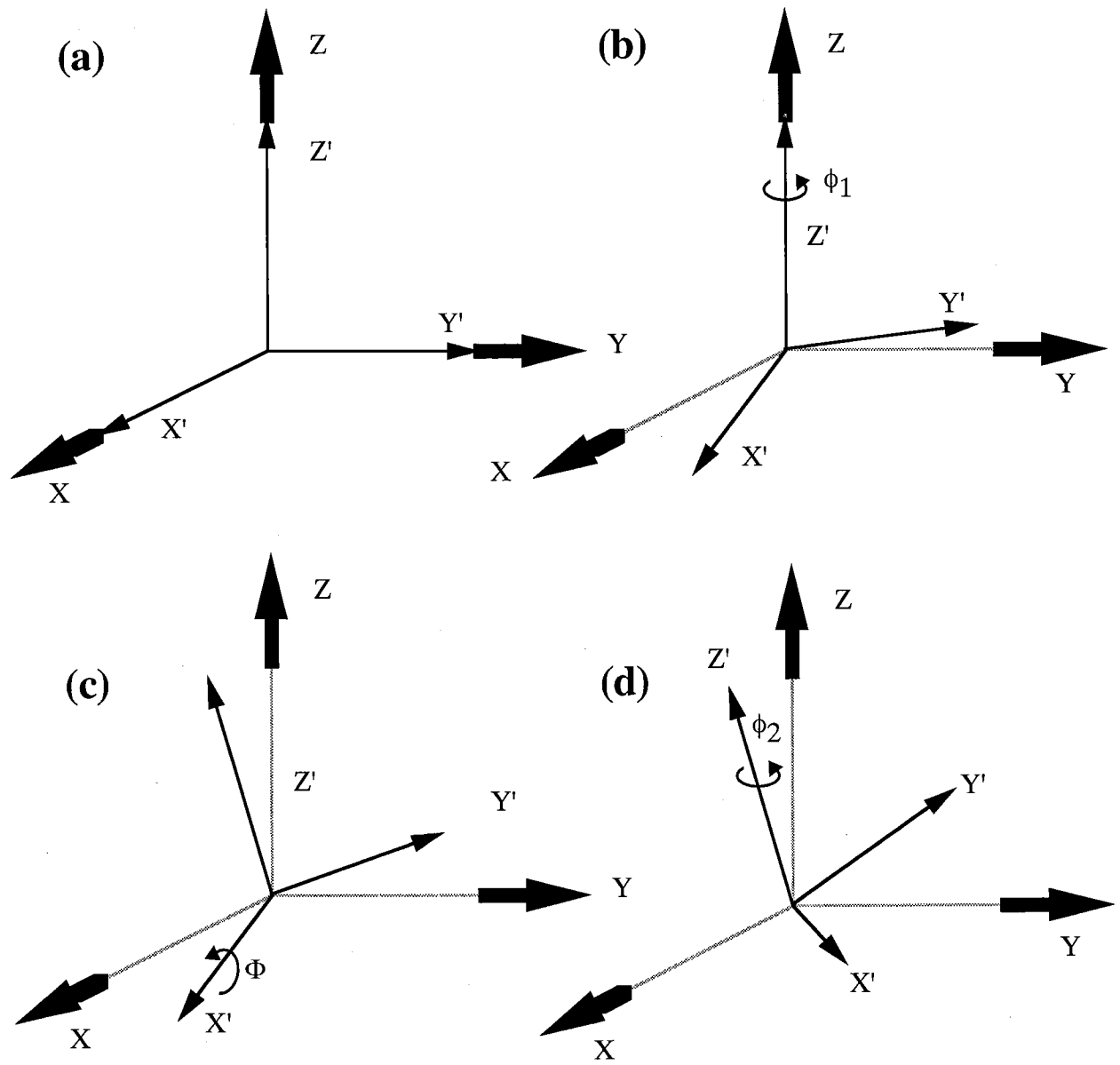
2.37

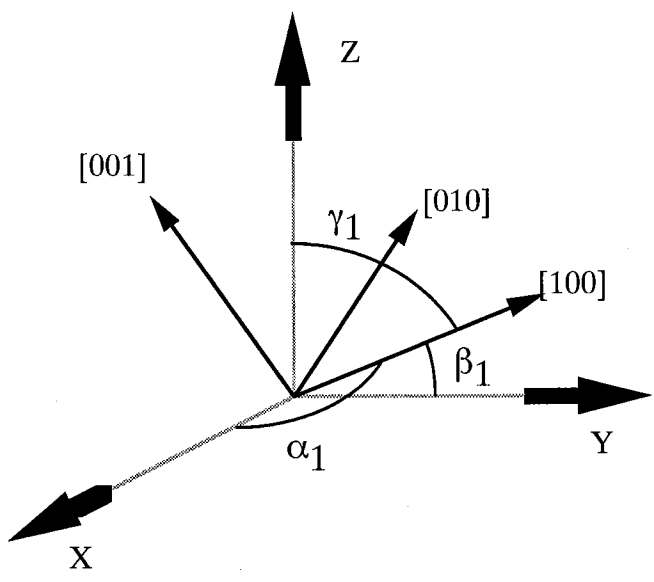


2.38



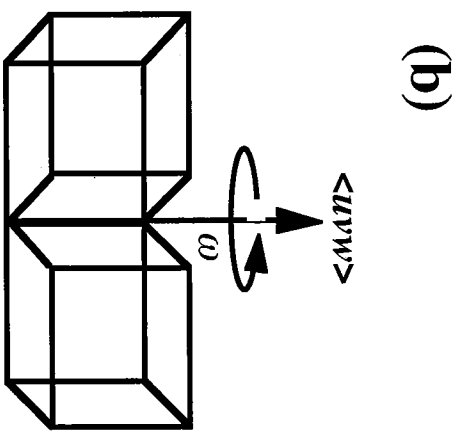
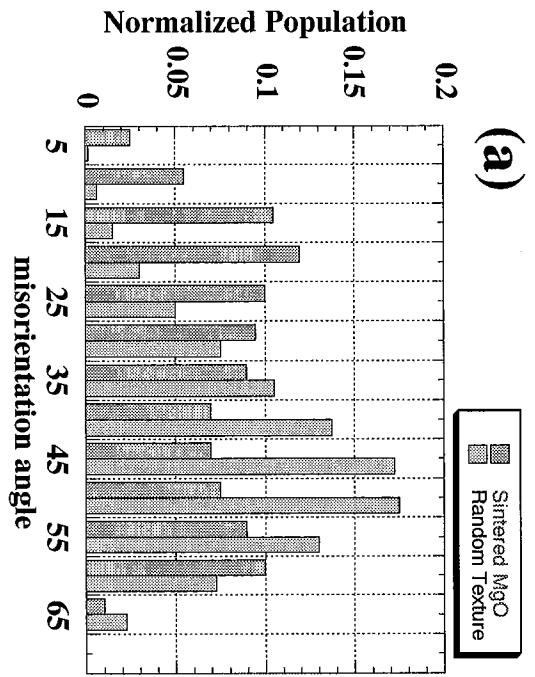
2.39

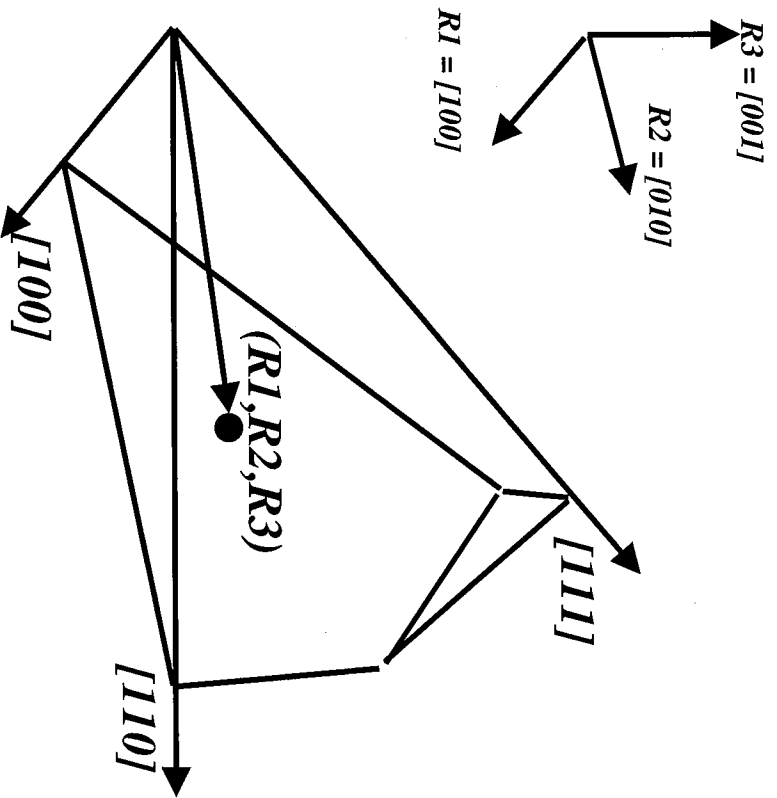




2.41

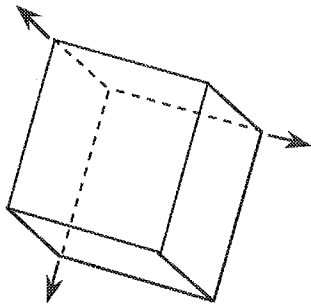
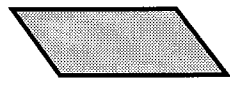
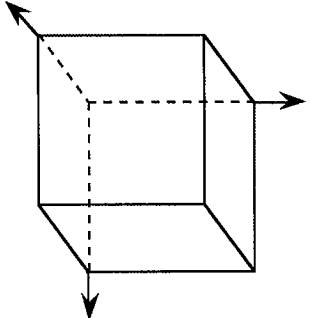
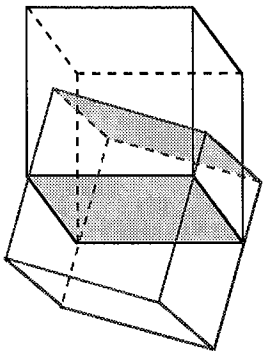
2.4.2

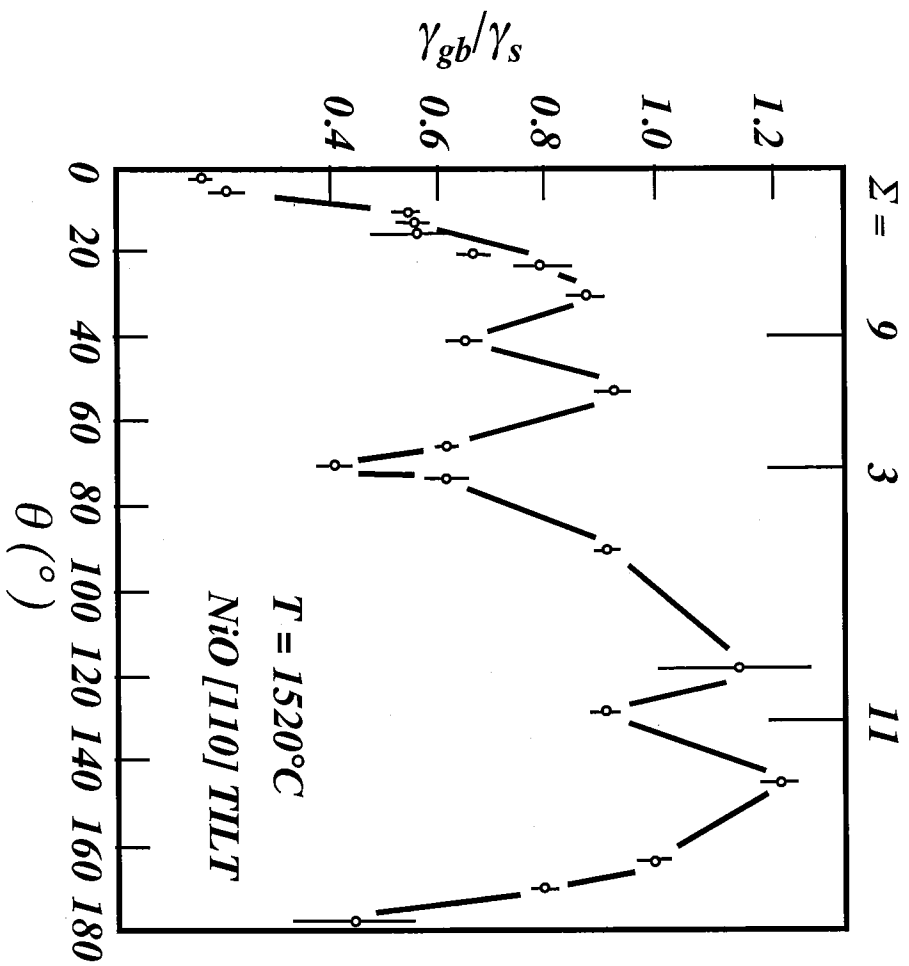




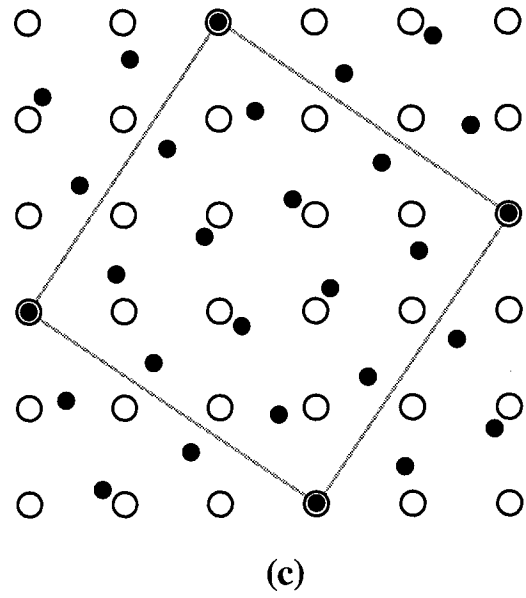
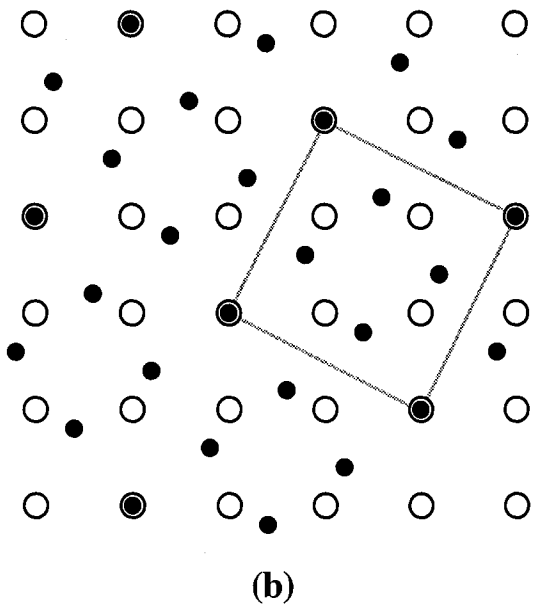
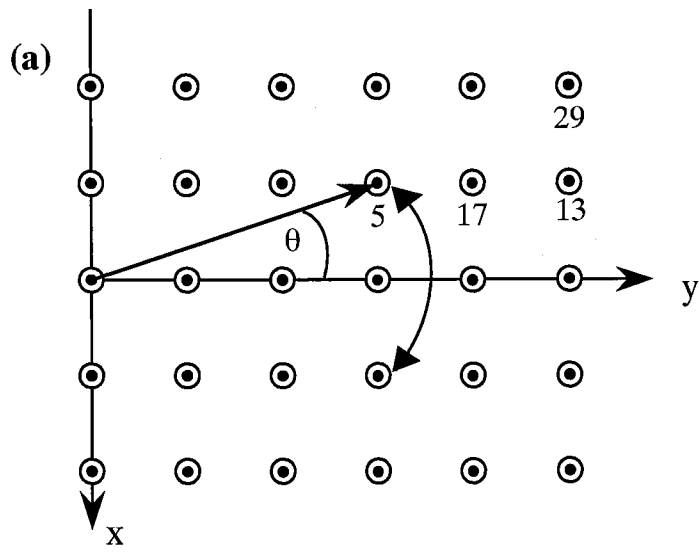
2.43

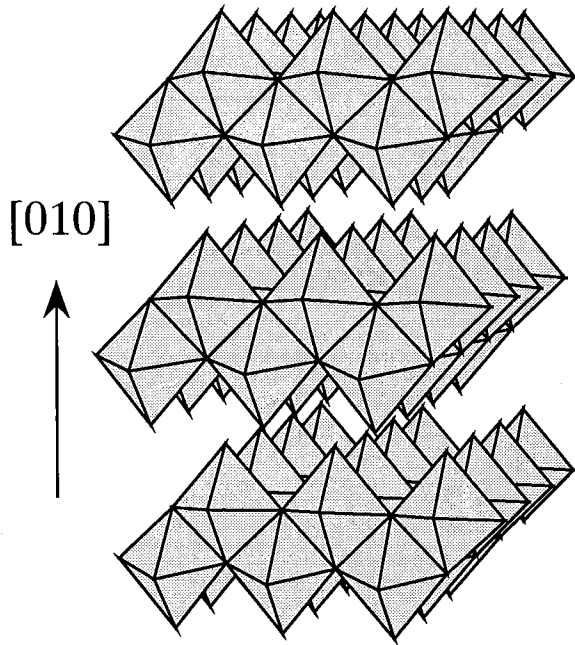
2.44



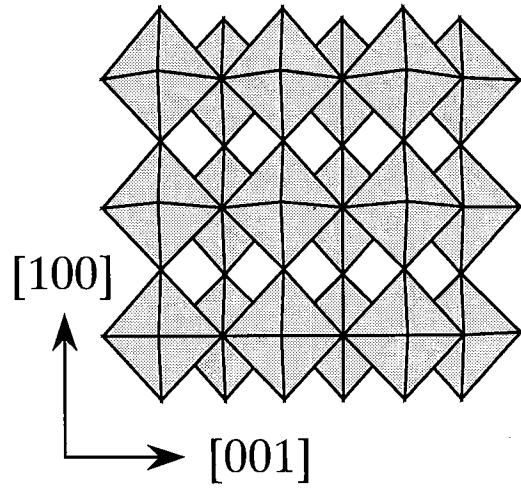


2.95





(a)



(b)