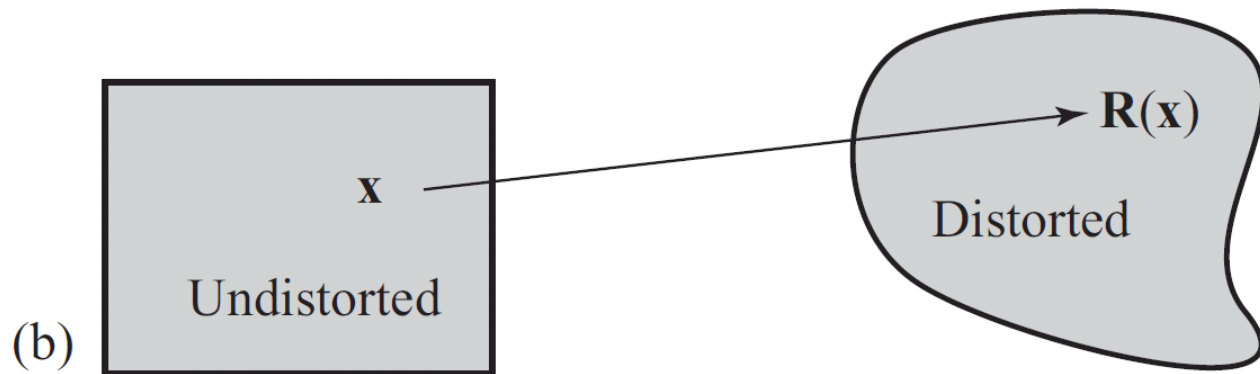
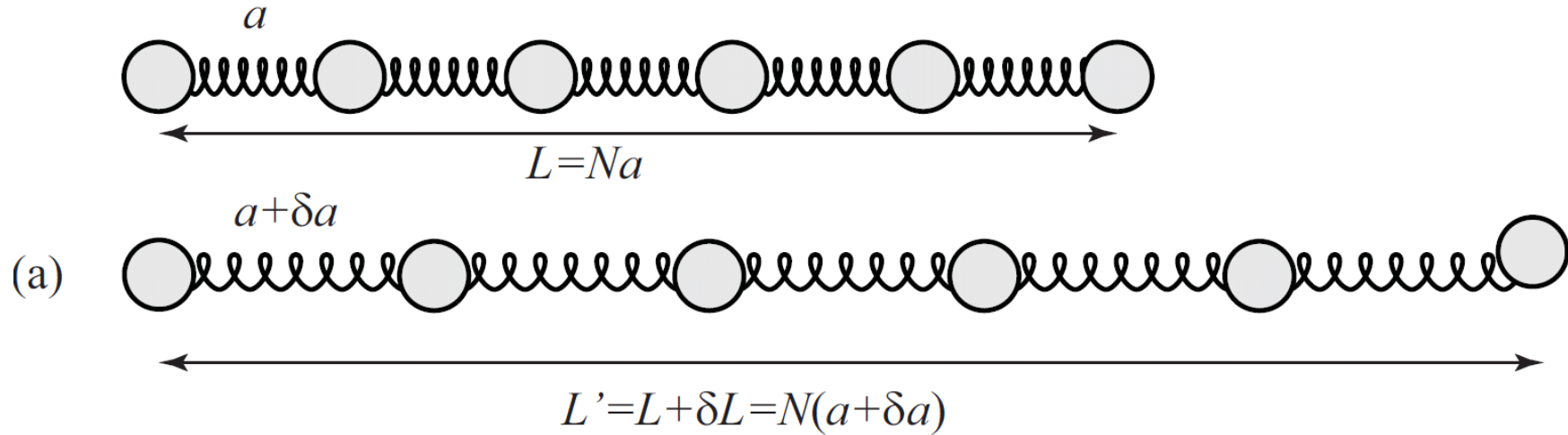
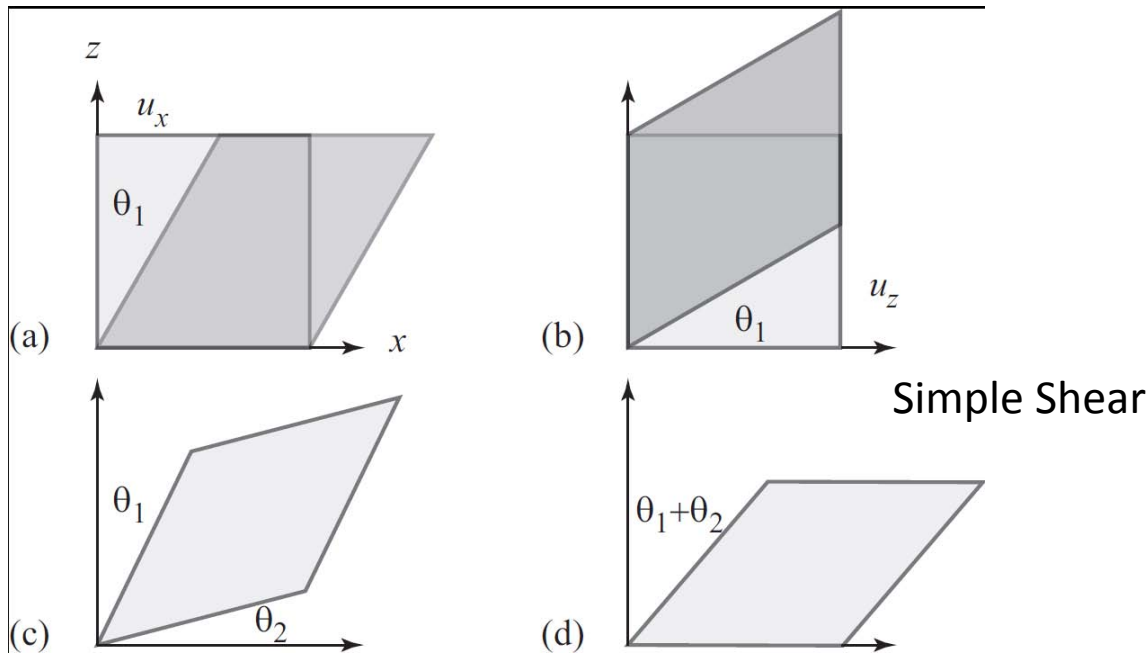
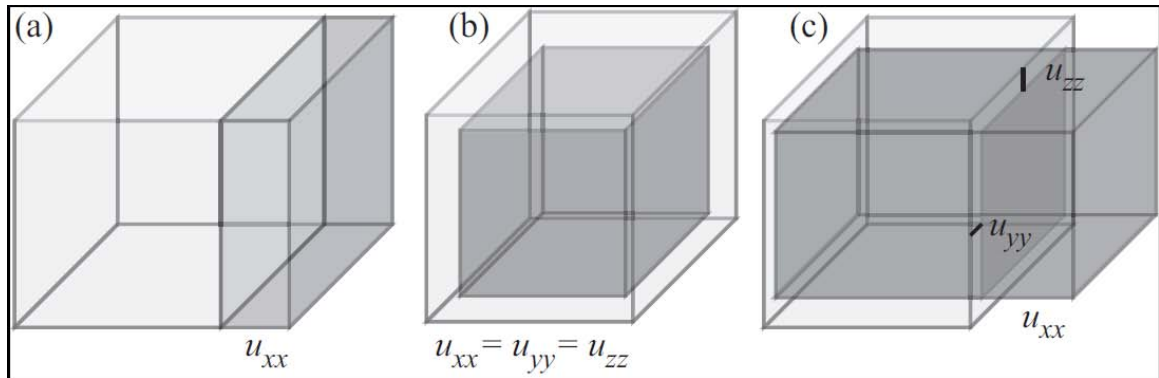
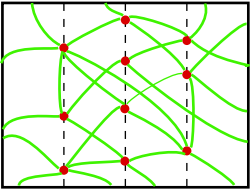
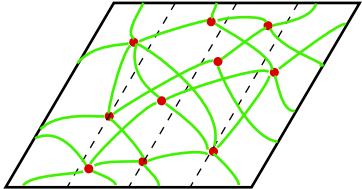




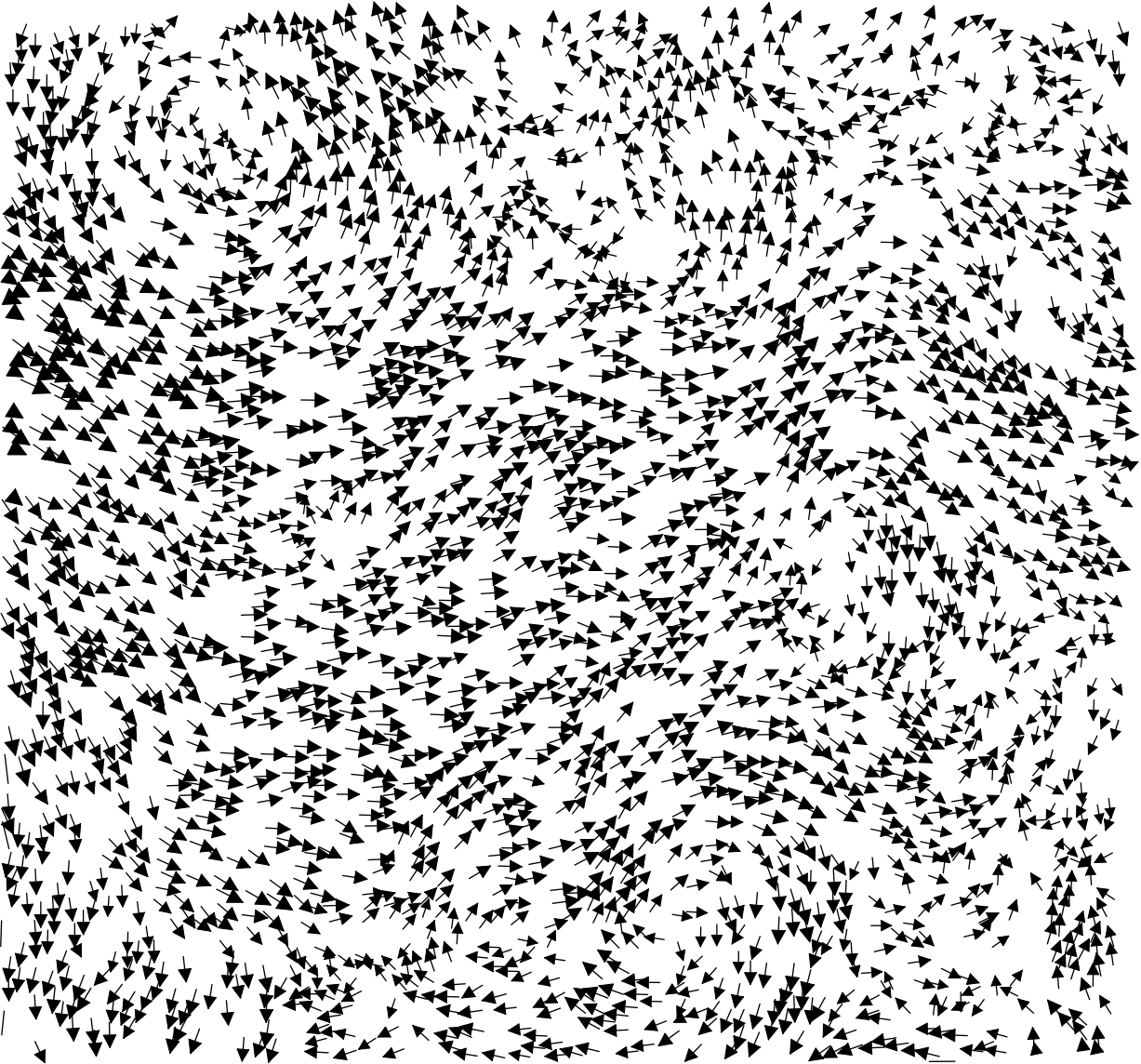


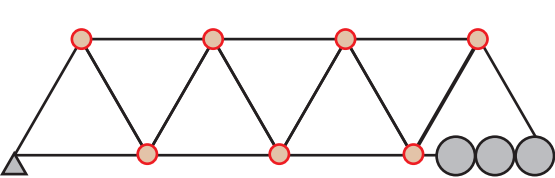


(a)

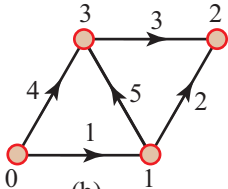


(b)

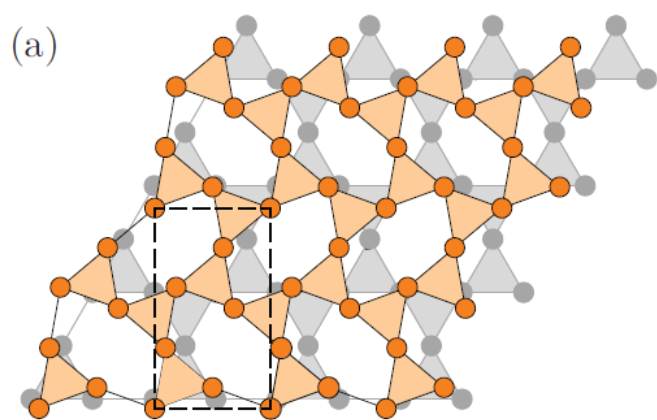
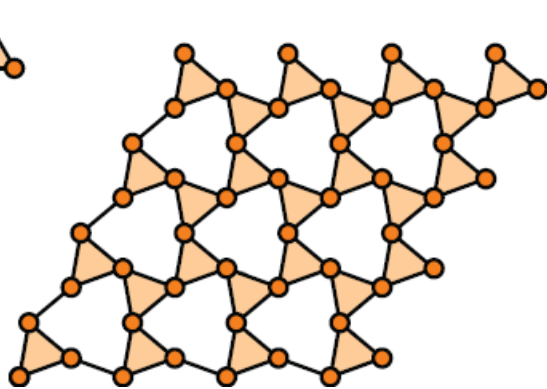
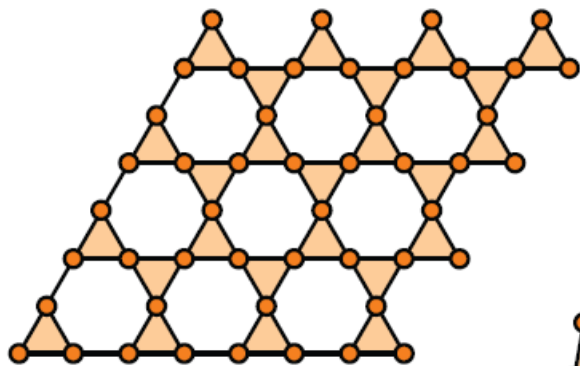


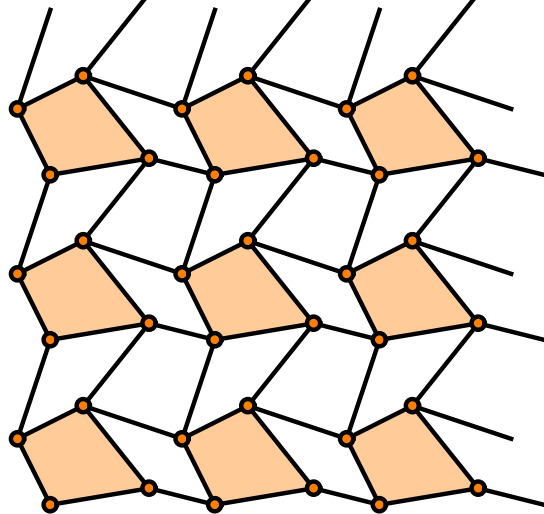
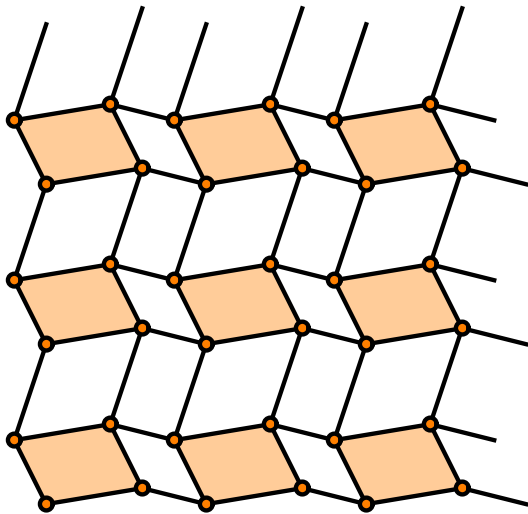
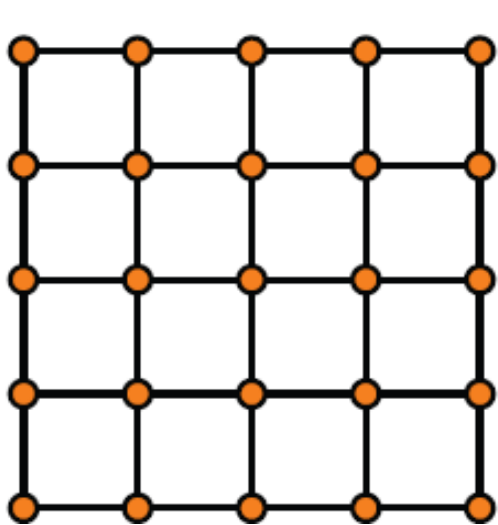


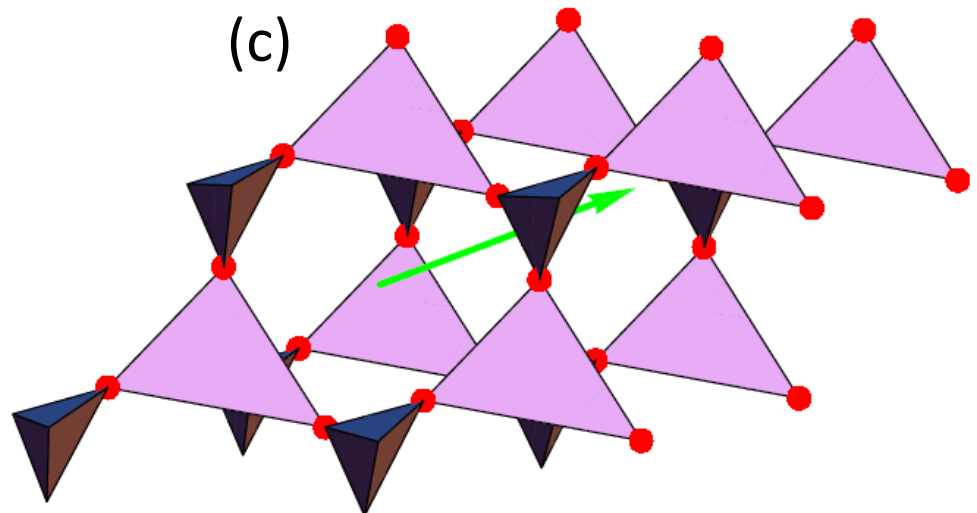
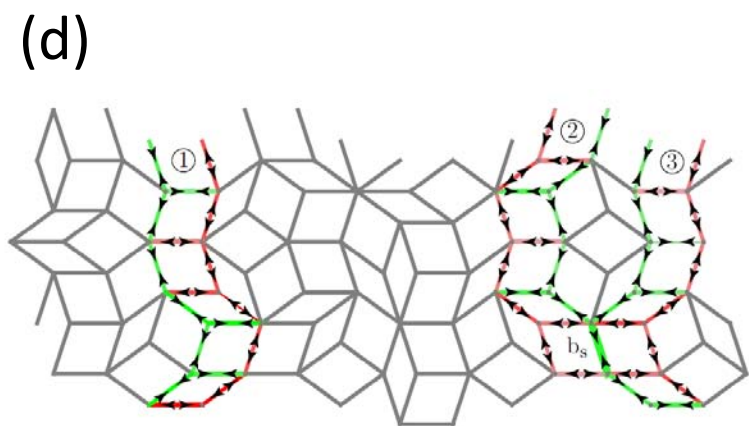
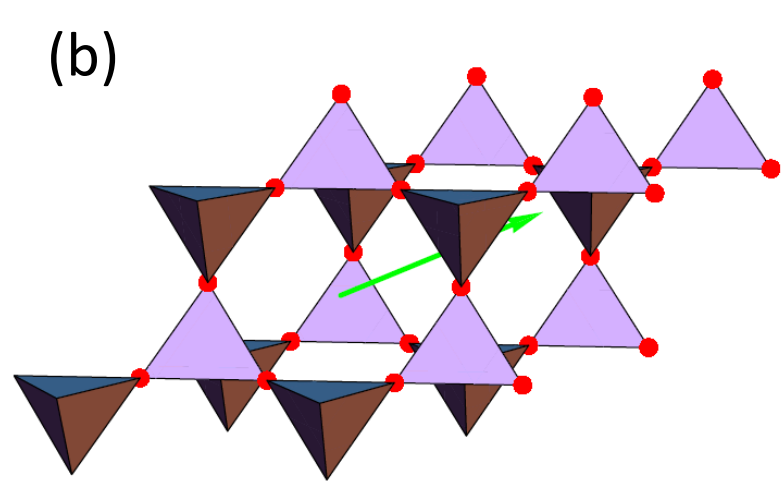
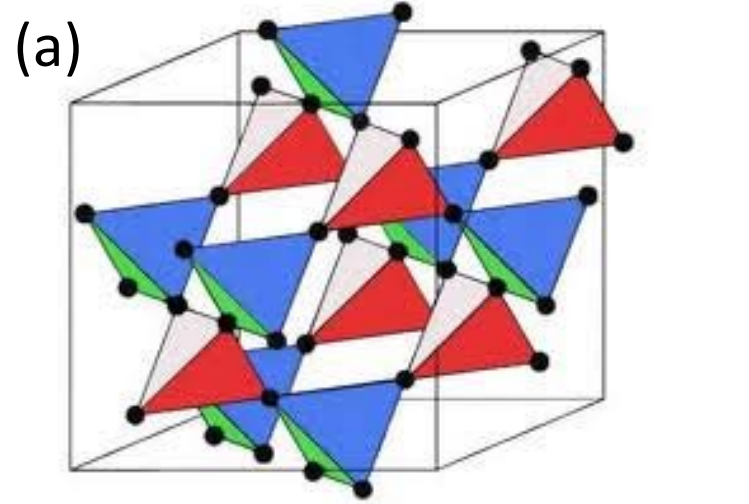
(a)

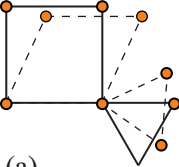


(b)

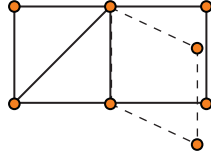




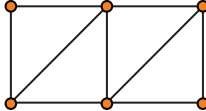




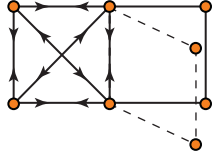
(a)



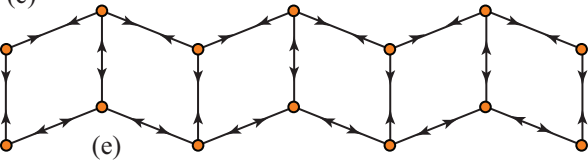
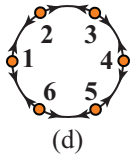
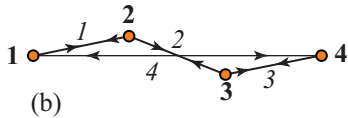
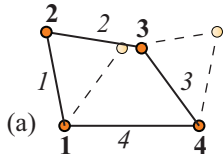
(b)

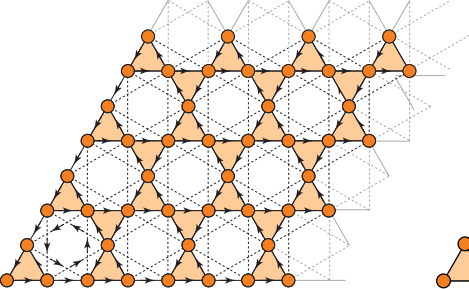


(c)

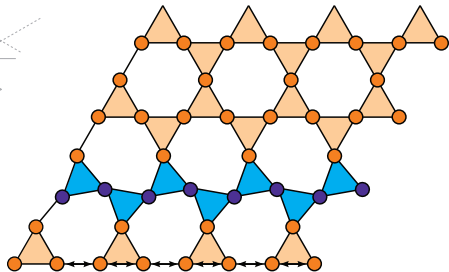


(d)

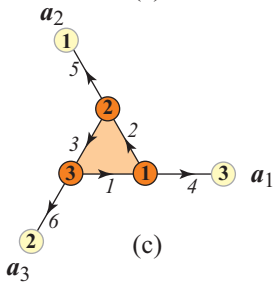




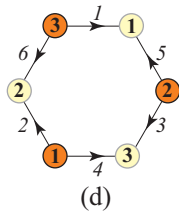
(a)



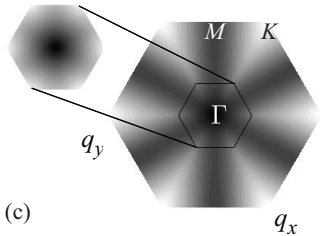
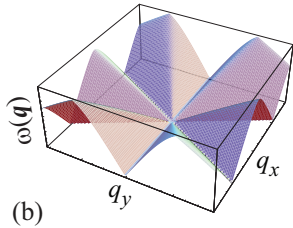
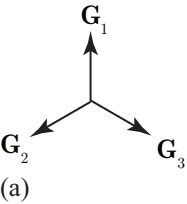
(b)

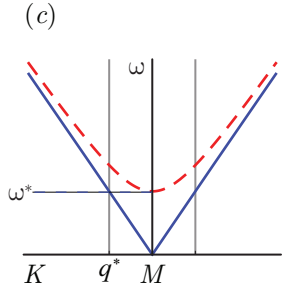
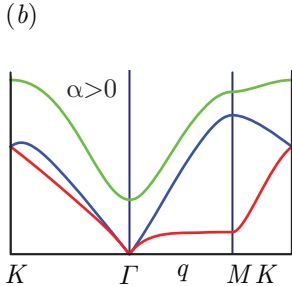
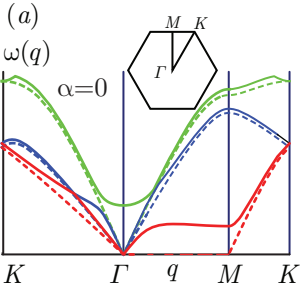


(c)

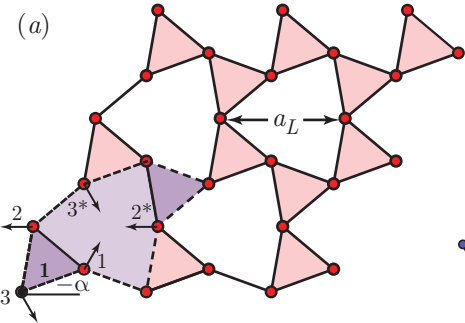


(d)

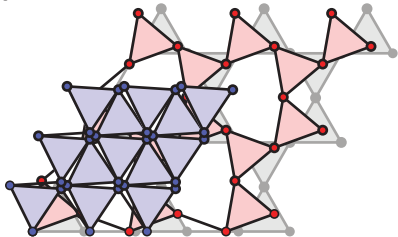


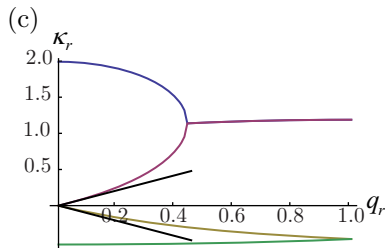
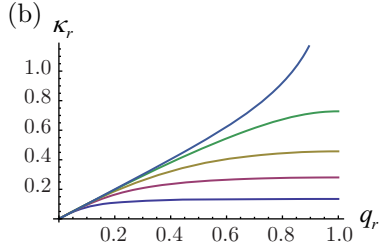
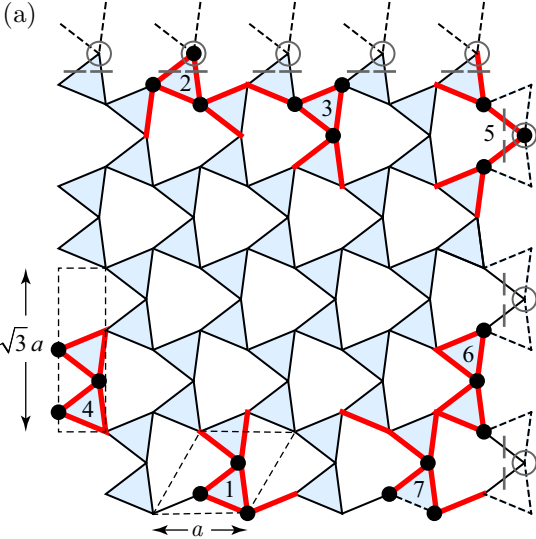


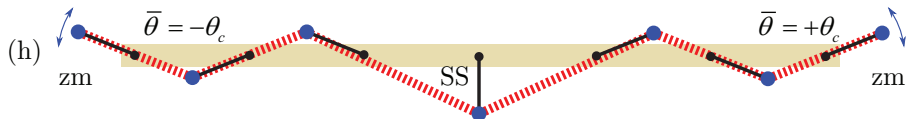
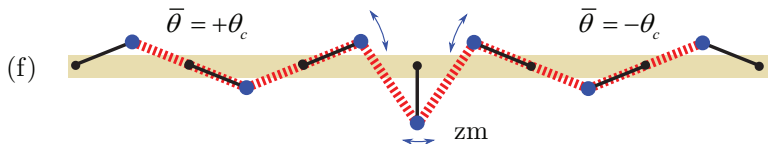
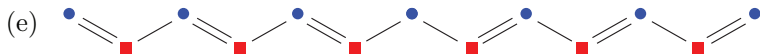
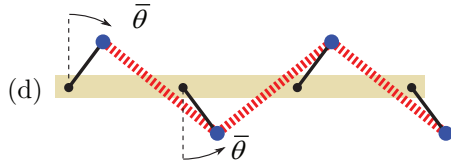
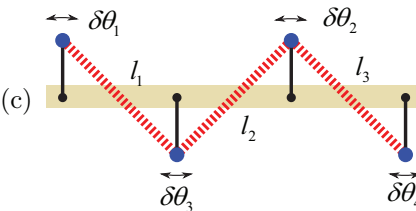
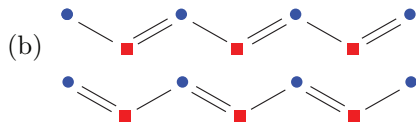
(a)

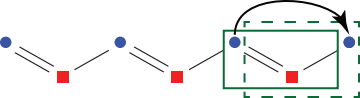


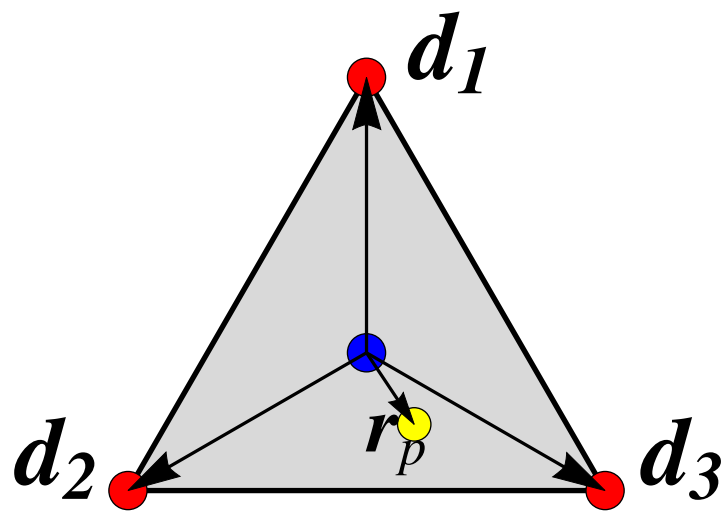
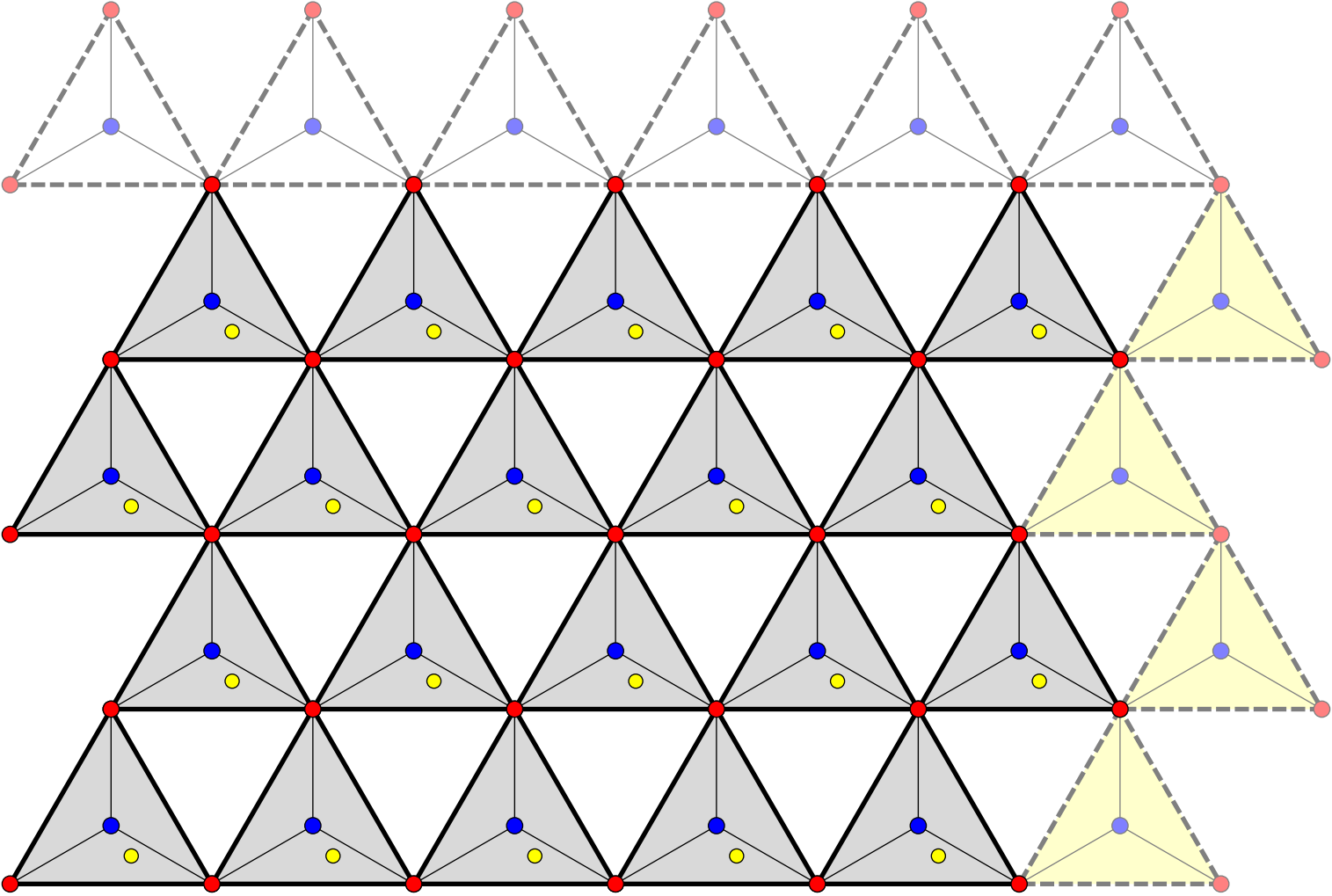
(b)

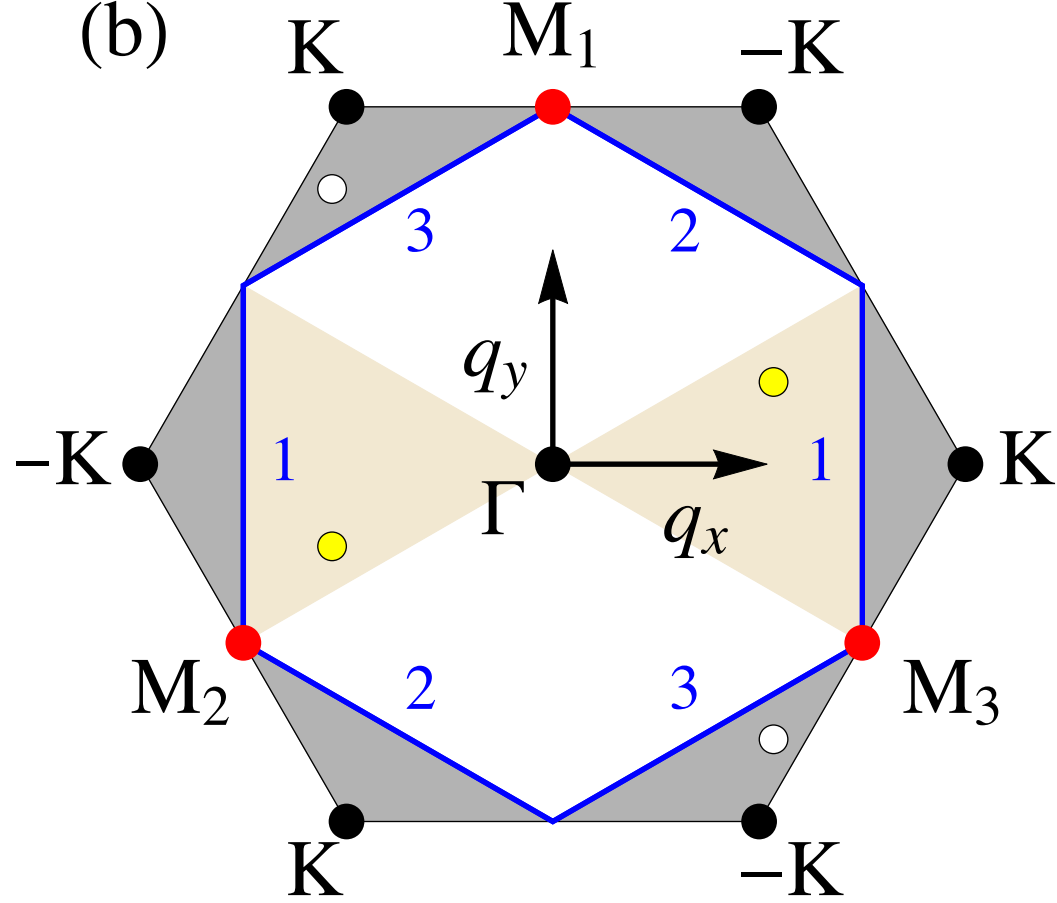
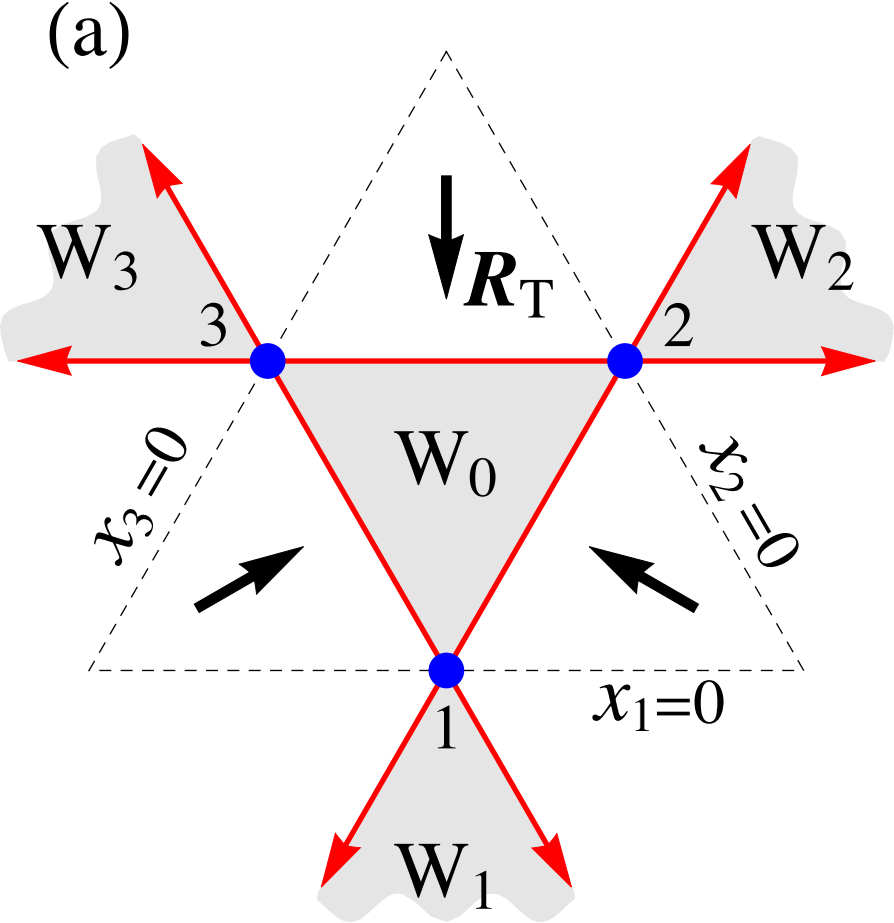


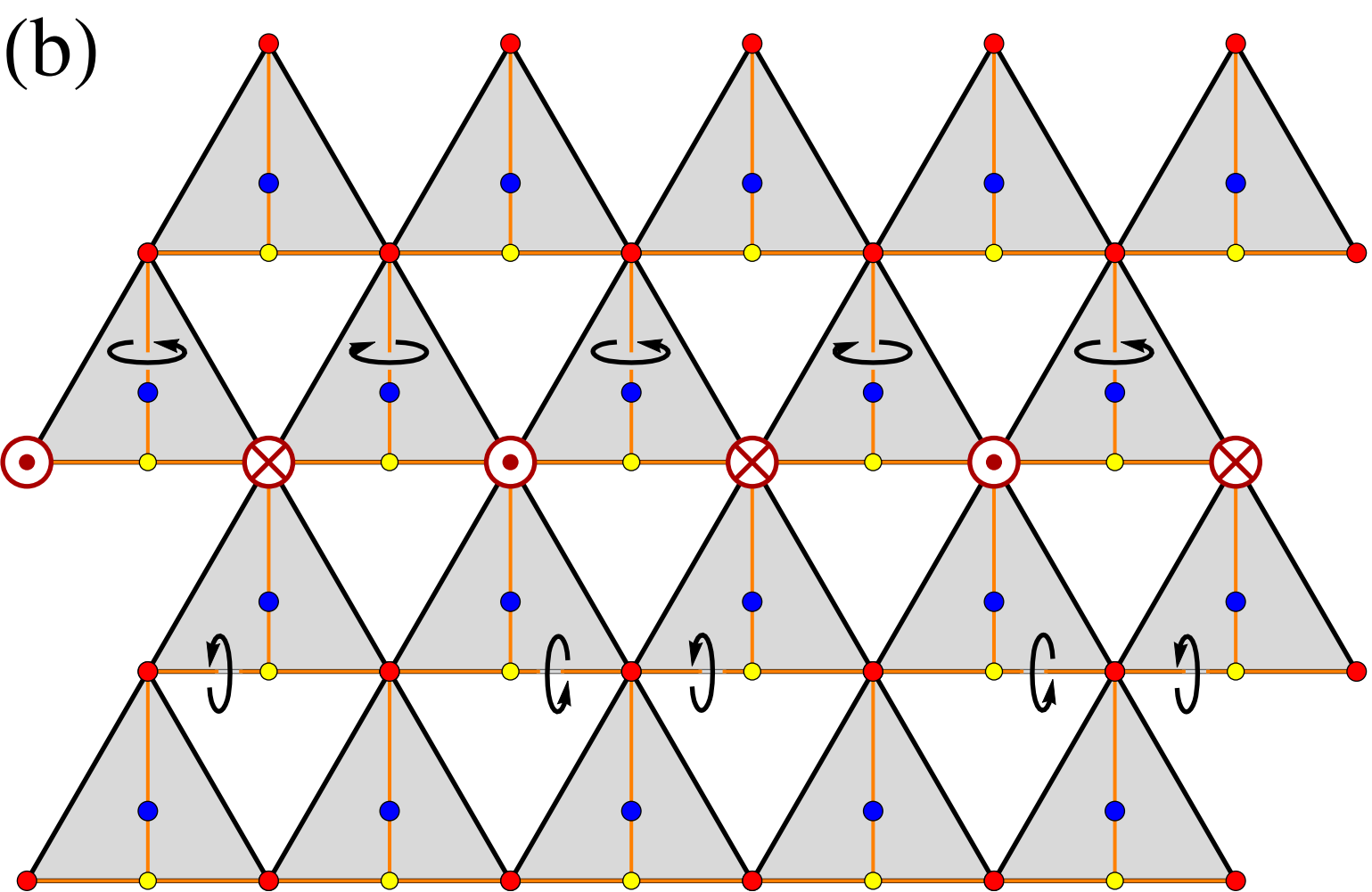
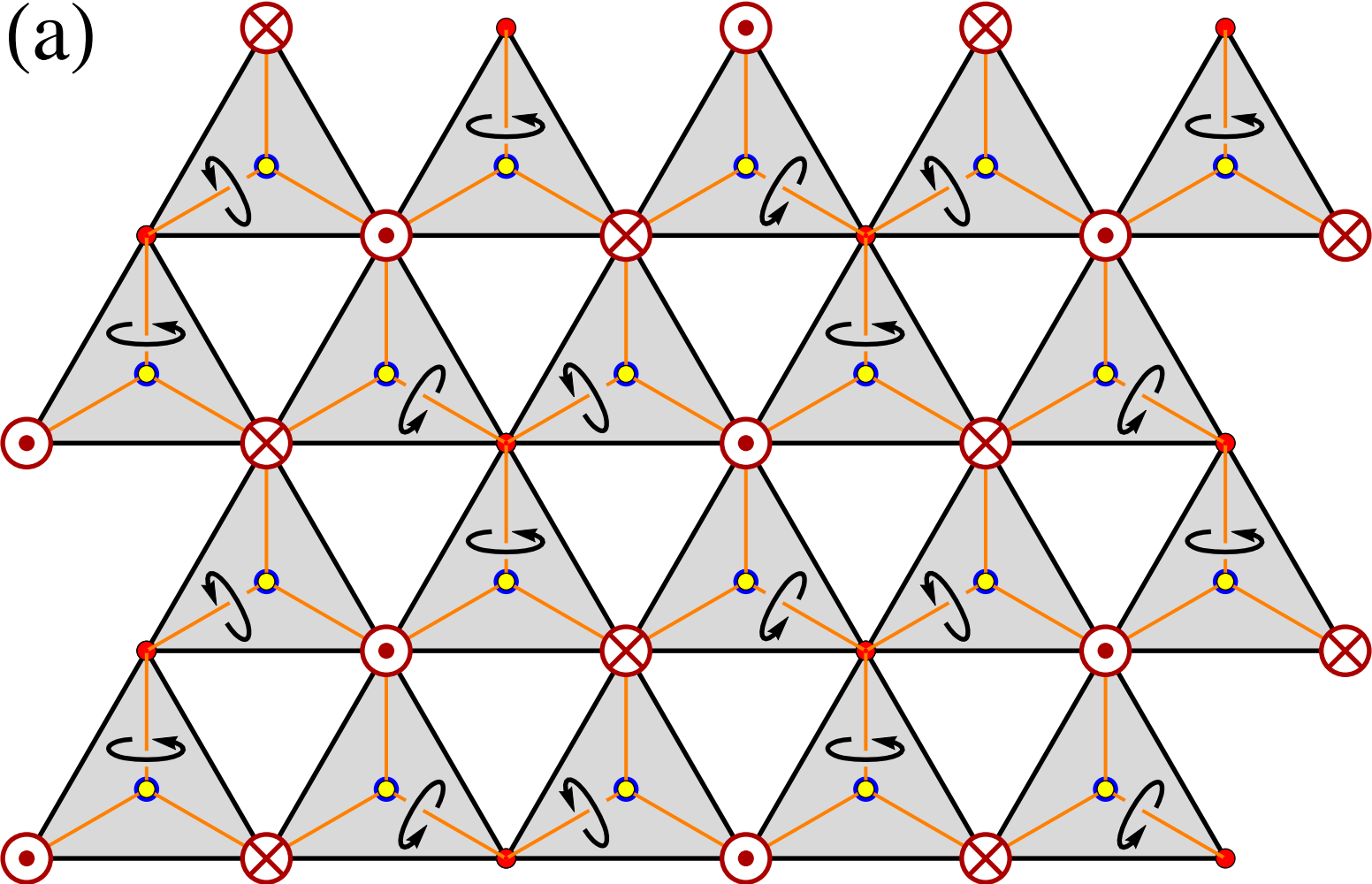




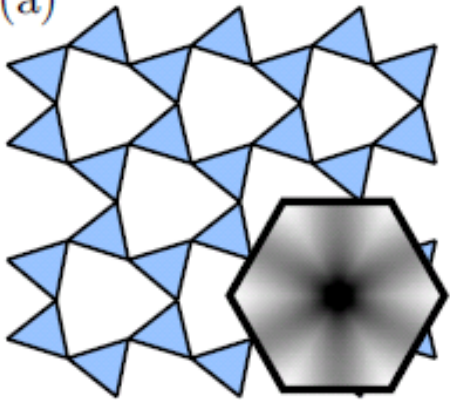




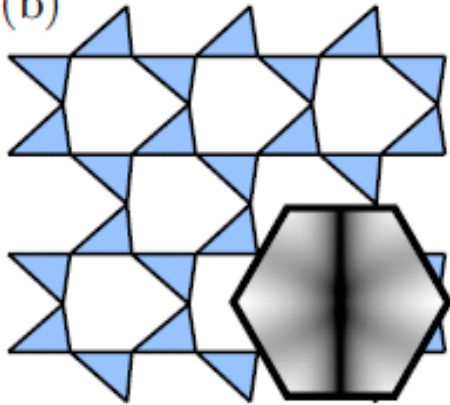




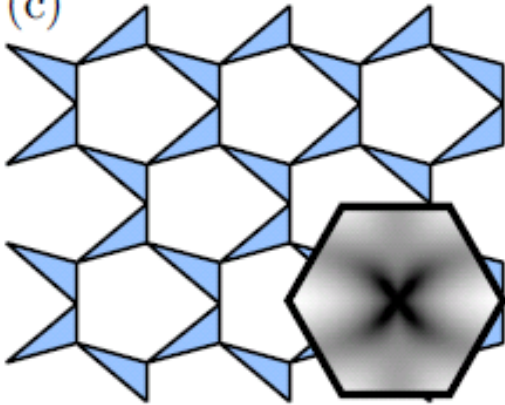
(a)

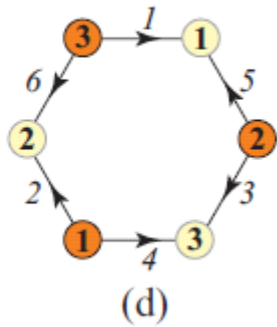
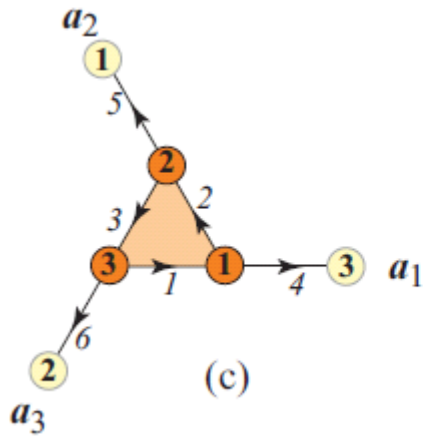


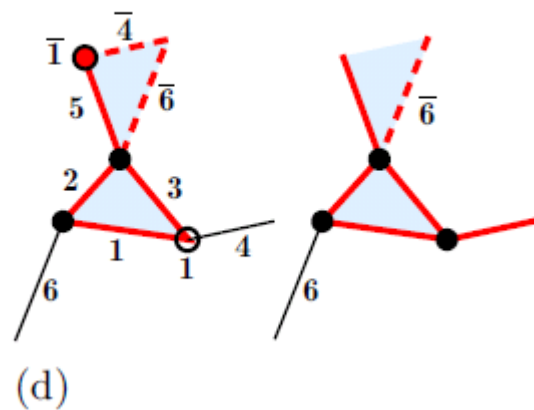
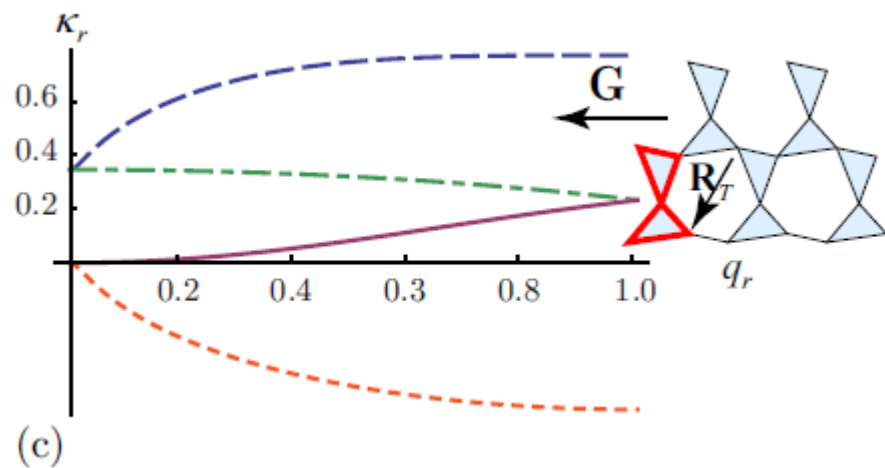
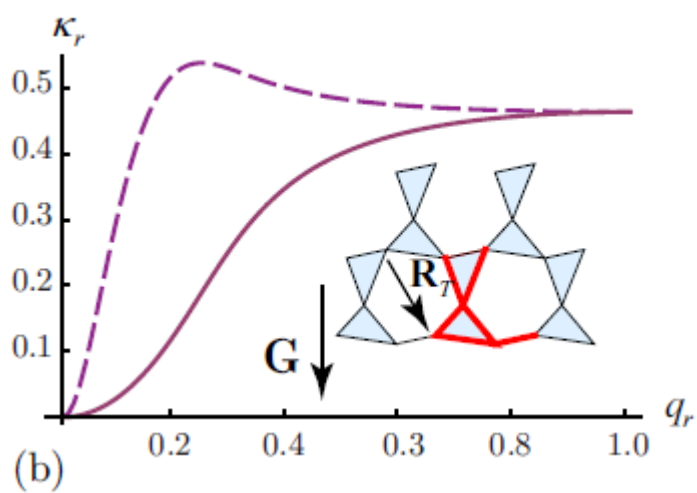
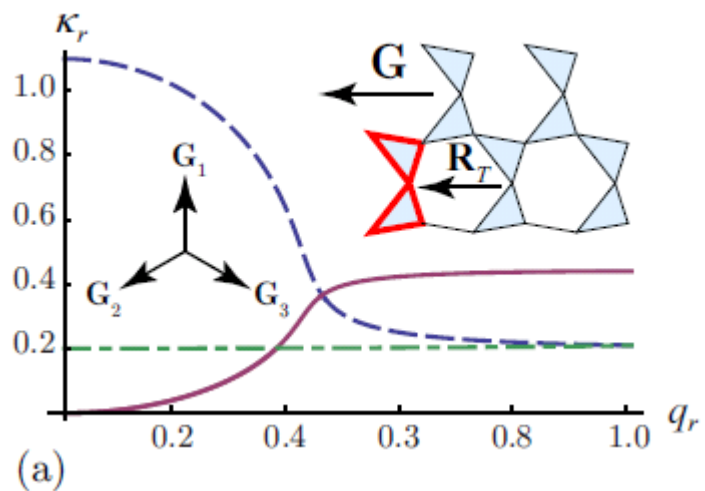
(b)

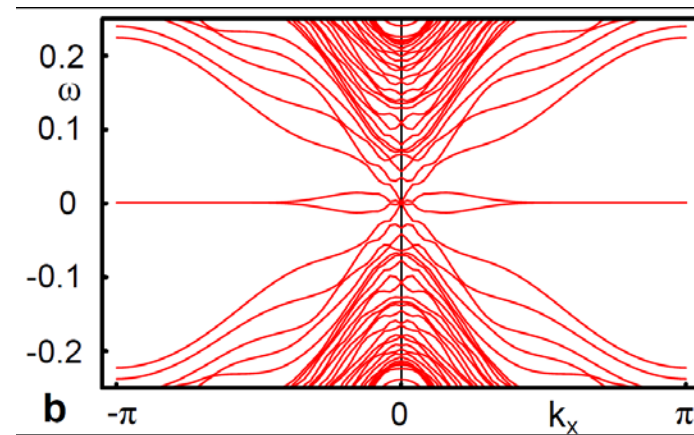
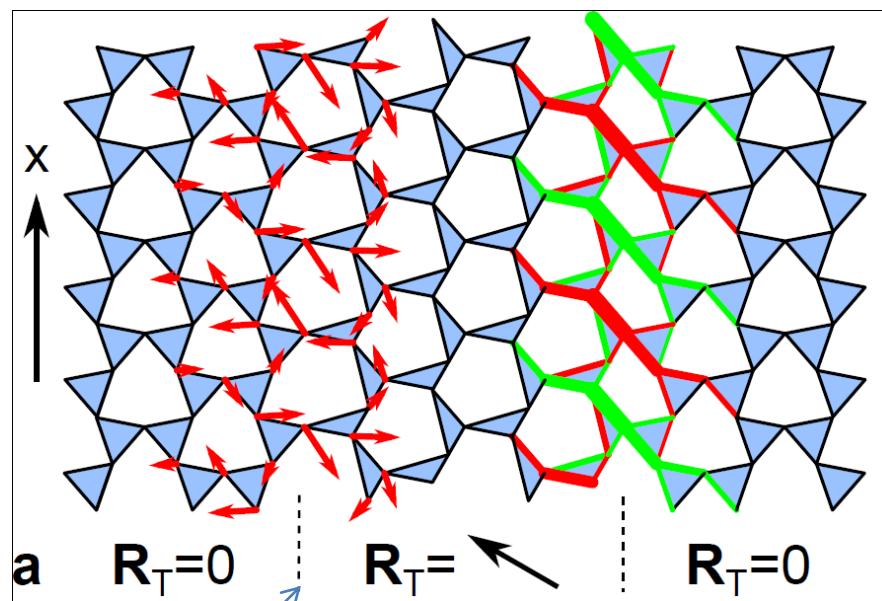


(c)









Modes of full H with zero modes from Q (States of self stress) and form Q^T (zero modes)

$$v_T = \frac{\mathbf{G} \cdot (\mathbf{R}_T^l - \mathbf{R}_T^r)}{2\pi}$$

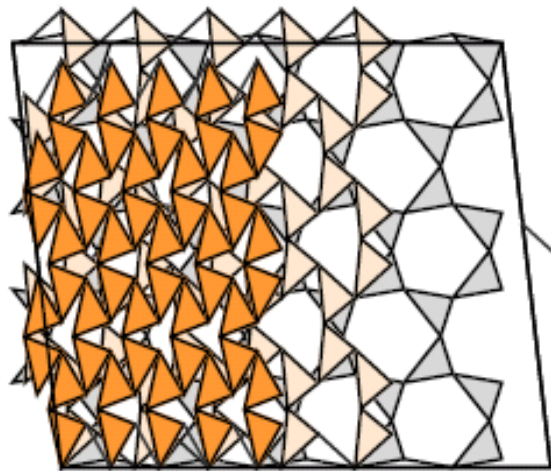
$$= 1$$

zero modes

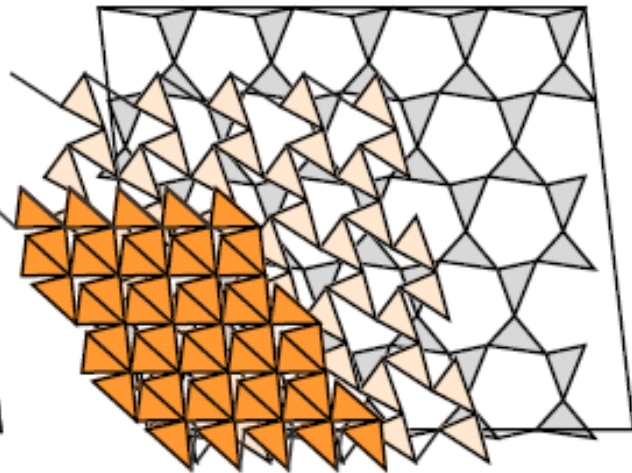
$$v_T = \frac{\mathbf{G} \cdot (\mathbf{R}_T^l - \mathbf{R}_T^r)}{2\pi}$$

$$= -1$$

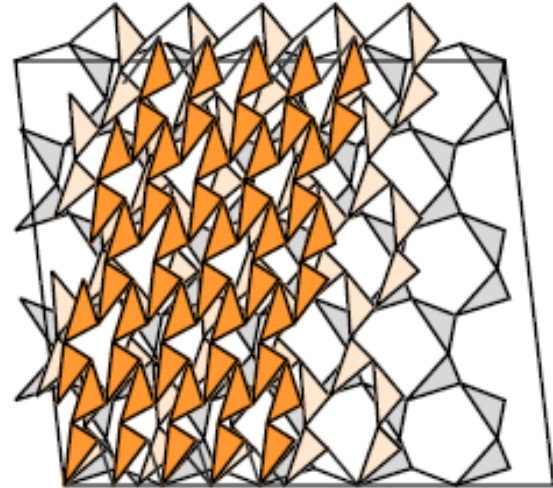
States of Self Stress



(a)



(b)



(c)