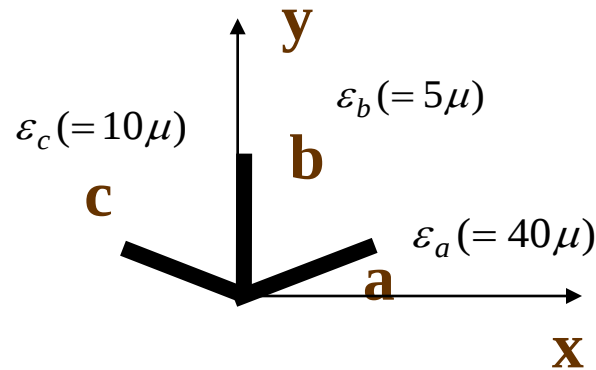
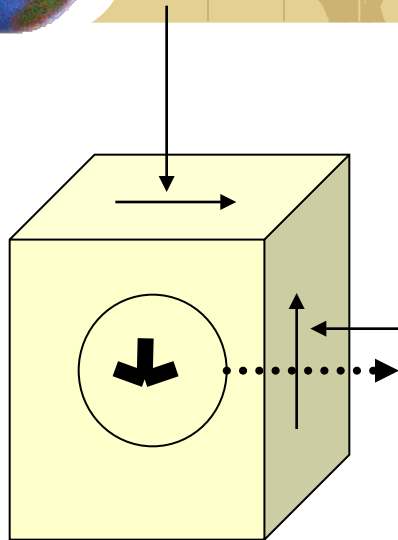


HW8



Strain gage a,b,c
分別與水平夾

$$\theta_a, \theta_b, \theta_c (= 30^\circ, 90^\circ, 150^\circ)$$

- ✚ *If the elastic constant $E=10\text{GPa}$, $\nu=0.25$, determine the principal stress and principal direction*
- ✚ *Compare with the principal direction of strain derived from HW7*

考慮二維問題,z方向不計

思考:若為平面應變條件如何解?若為平面應力條件如何解?