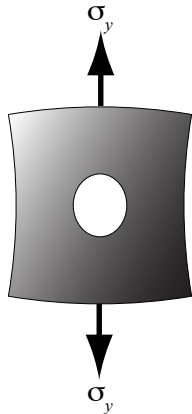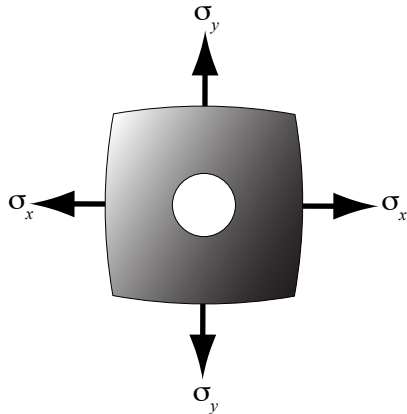$$\epsilon_y = \frac{1}{E} \sigma_y$$

$$\epsilon_x = \frac{-\nu}{E} \sigma_y$$

Figure 3 Schematic of strain resulting from a uniaxial stress applied along the *y*-direction as illustrated for a plate with a through-hole. The *x*-direction is horizontal.

Figure 4 Schematics of solid plate with through-hole subjected to biaxial state of stress