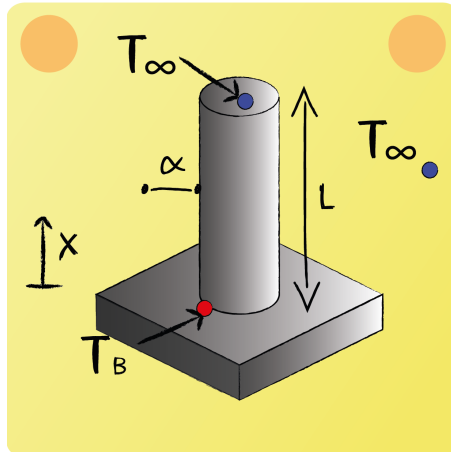


Fins - B.C.3

Choose the right boundary condition for a fin with the fin head temperature equal to the ambient temperature.



Definition of θ :

$$\theta(x) = T(x) - T_\infty$$

And thus

$$\theta(0) = T(0) - T_\infty = T_B - T_\infty = \theta_B$$

$$\theta(L) = T(L) - T_\infty = T_\infty - T_\infty = 0$$