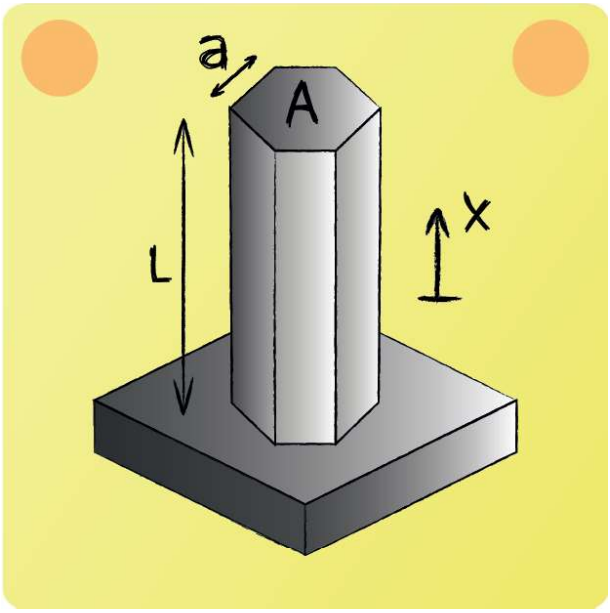
Conduction Fins 06



Determine the fin parameter m for the shown fin geometry.

And thus:

$$m^2 = \frac{\alpha \cdot U}{\lambda \cdot A_c} = \frac{\alpha \cdot 6 \cdot a}{\lambda \cdot A_c}$$

$$m = \sqrt{\frac{6 \cdot \alpha \cdot a}{\lambda \cdot A_c}}$$