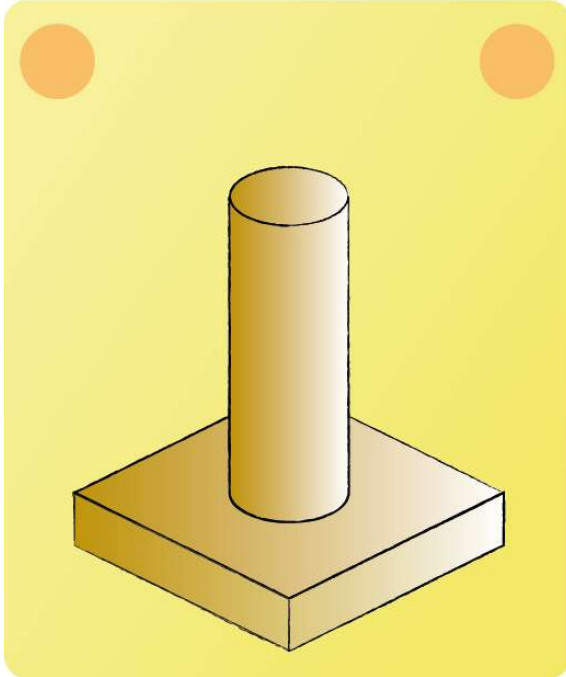


Lecture 11 - Question 1



Which of the following equations represents the inhomogeneous differential equation for fins?

$$-\lambda \cdot A_c \cdot \frac{\partial^2 T}{\partial x^2} = \alpha \cdot U (T(x) - T_A)$$



The only other differential equation for fins given is:

$$\frac{\partial^2 \theta}{\partial x^2} + m^2 \theta(x) = 0$$

But this one is homogeneous and is for that reason not correct.