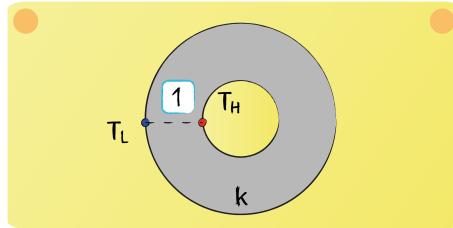


Lecture 02 - Conduction 06



The cross-sectional area increases in radial direction, and as the rate of heat transfer remains constant, the temperature gradient should decrease in radial direction.