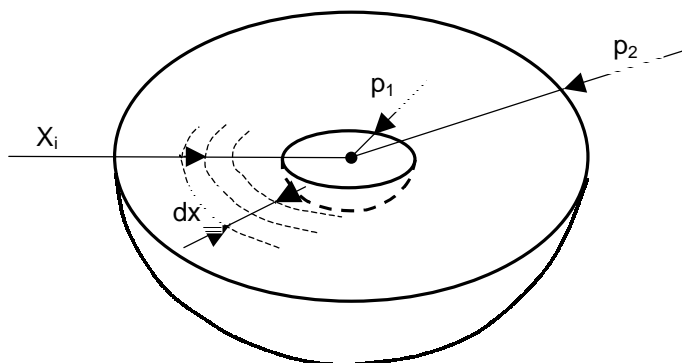


Termička otpornost između dve koncentrične polulopte



$$R_{th.} = \frac{1}{\lambda} \cdot \frac{l}{A}$$

$$R_{th.i} = \frac{1}{\lambda} \cdot \frac{l_i}{A_i}$$

$$A_i = \frac{1}{2} \cdot 4 \cdot \pi \cdot x_i^2 = 2 \cdot \pi \cdot x_i^2$$

$$l_i = dx$$

$$R_{th.} = \int_{p_1}^{p_2} \frac{1}{\lambda} \cdot \frac{1}{2 \cdot \pi \cdot x^2} \cdot dx = \frac{1}{2 \cdot \pi \cdot \lambda} \cdot \int_{p_1}^{p_2} \frac{1}{x^2} \cdot dx = -\frac{1}{2 \cdot \pi \cdot \lambda} \cdot \frac{1}{x} \Big|_{p_1}^{p_2}$$

$$R_{th.} = \frac{1}{2 \cdot \pi \cdot \lambda} \cdot \left(\frac{1}{p_1} - \frac{1}{p_2} \right)$$