

Main equations

Here an equation

$$\dot{Q} = k \cdot A \cdot \Delta T \quad (1)$$

or another one

$$\frac{1}{k} = \left[\frac{1}{\alpha_i r_i} + \sum_{j=1}^n \frac{1}{\lambda_j} \ln \frac{r_{a,j}}{r_{i,j}} + \frac{1}{\alpha_a r_a} \right] \cdot r_{\text{reference}} \quad (2)$$

Nomenclature

Latin Letters

- A area
 k overall heat transfer coefficient
 L length
 \dot{Q} heat flux
 ΔT temperature difference
 T temperature

Greek Letters

- α convection heat transfer coefficient
 λ thermal conductivity

Subscripts

- a out
 i in
 j running parameter
 n number of walls