Main equations

Here an equation

$$\dot{Q} = k \cdot A \cdot \Delta T \tag{1}$$

or another one

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

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