

Main equations

Here an equation

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

or another one

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

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 |