

$$Q = E = k \frac{A \Delta T}{d} \cdot t$$

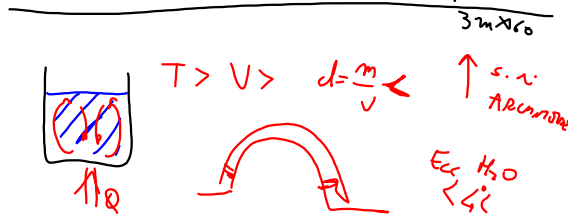
S.I.

$$d = \frac{k A \Delta T \cdot t}{E}$$

Conduzione

$$A = \frac{E d}{k \Delta T t}$$

$$k = \frac{E d}{A \Delta T t}$$



$$P = c A T^4$$

$$= c A (273 + 37)^4$$

$$= c A (273 + 40)^4$$

$$\frac{8}{10} \text{ m}$$

$$1000^\circ \text{C}$$

Gas

TERMODINAMICA

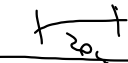
$$P = \frac{F}{A} \left[\frac{N}{m^2} \right] = [P_e] \left\{ \begin{array}{l} 10^3 \text{ Pa} \text{ KPa} \\ 10^5 \text{ Pa} \text{ MPa} \end{array} \right. \frac{10^5}{10^5} = \text{BAR}$$

$$T_{\text{tot}}: P_{\text{at}} = 101300 \text{ Pa} = 1,01 \cdot 10^5 \text{ Pa}$$

$$P_{\text{atm}} = 1,013 \text{ BAR}$$



$$P = \frac{F}{A} = \frac{5 \text{ kg} \cdot 9,81 \frac{\text{m}}{\text{s}^2}}{\frac{\pi \cdot 0,07^2}{4}} = 1561 \frac{\text{N}}{\text{m}^2} = 0,01561 \text{ BAR}$$



P, V, T



$$P V = n R T$$

S.I.