

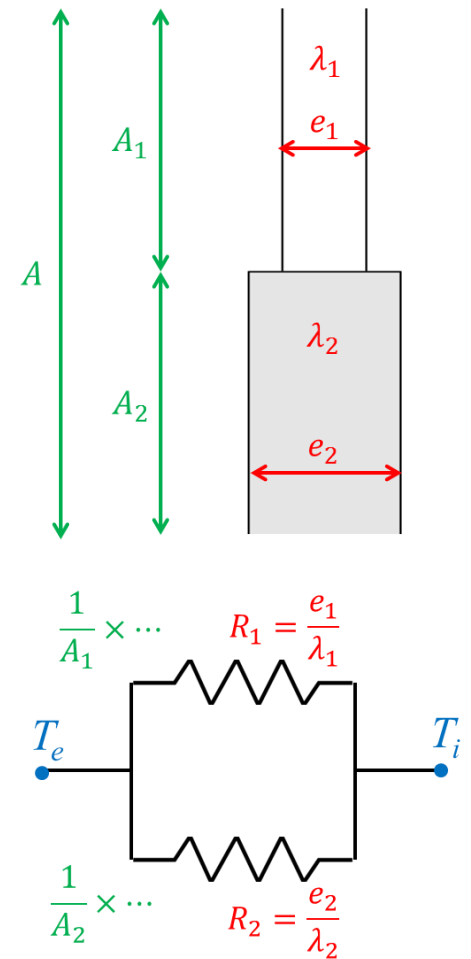
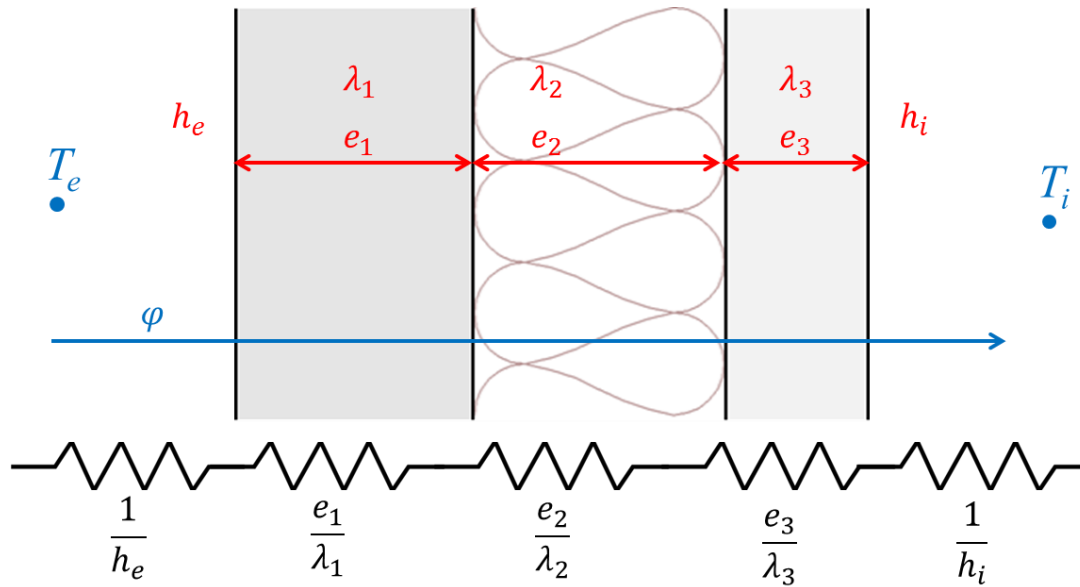
Heat transfer in buildings

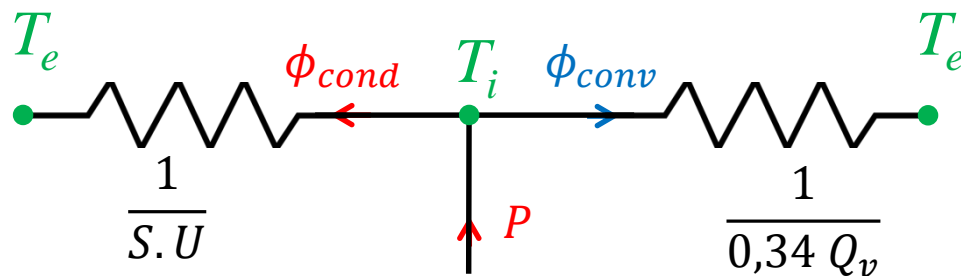
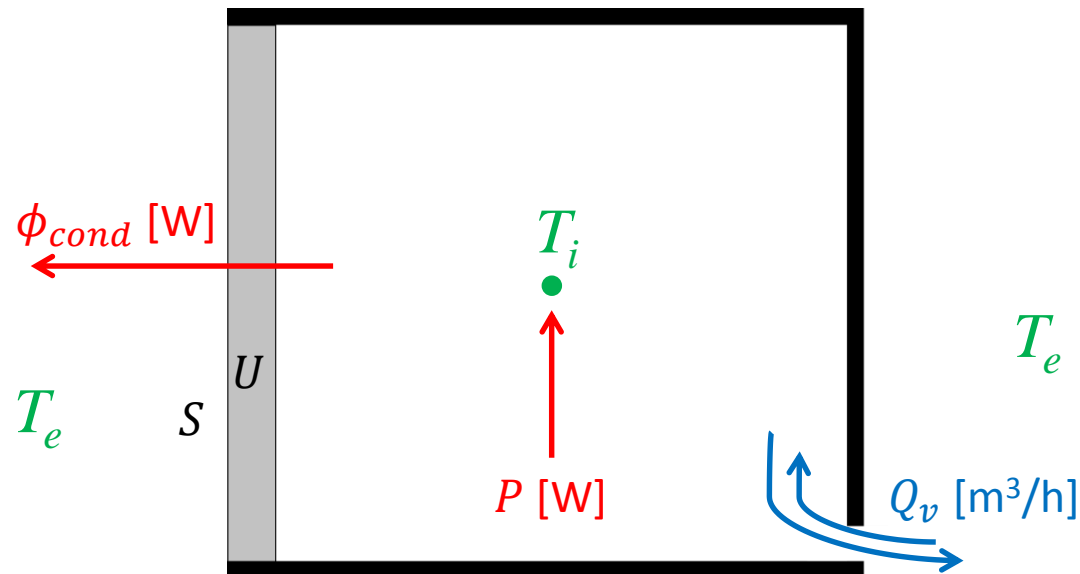
Vidéo n°2

Thermal-electrical analogy 2

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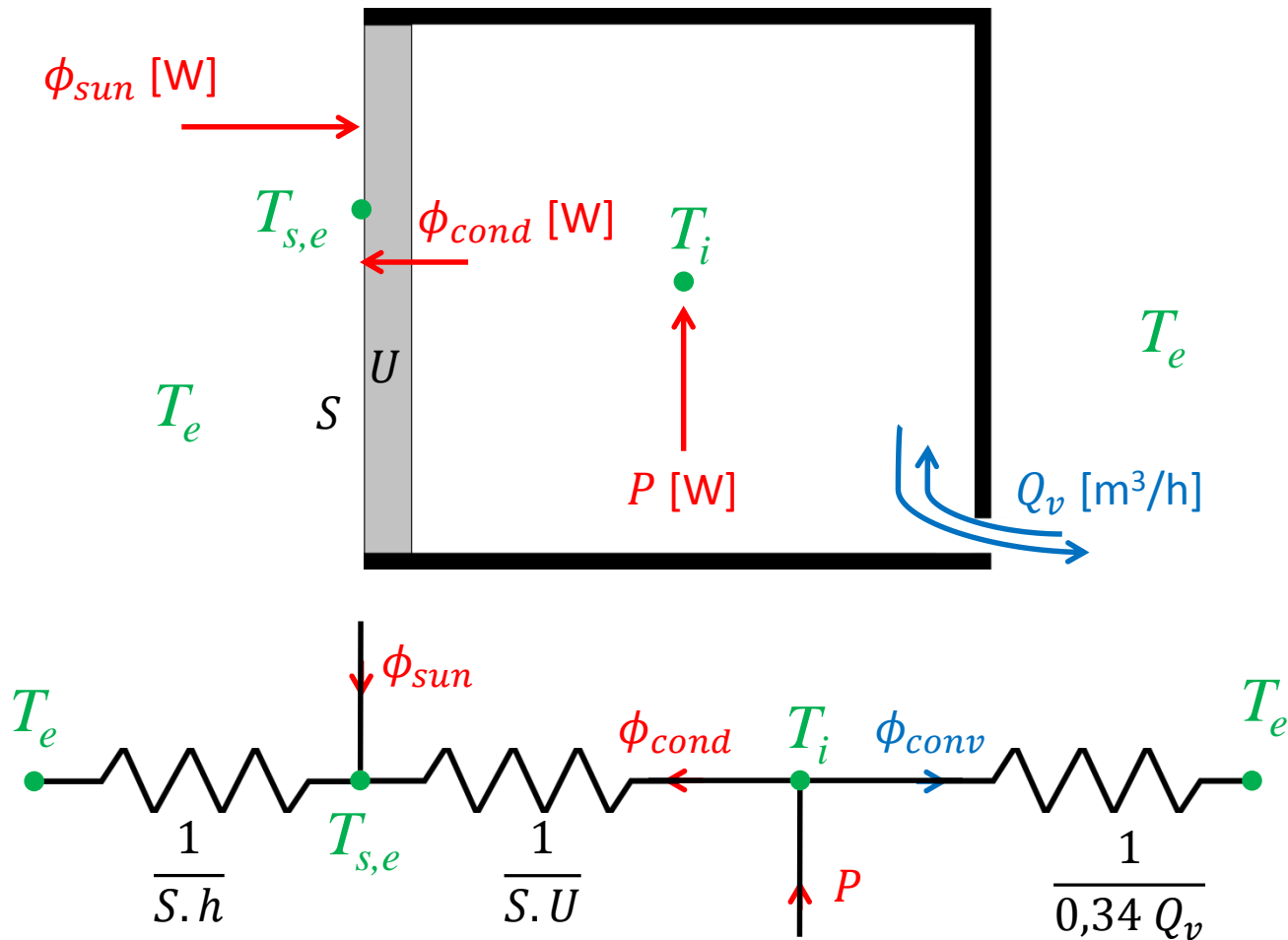
$$\phi_{cond} = S \cdot U (T_i - T_e) \quad [\text{W}]$$

$$\phi_{conv} = 0,34 Q_v (T_i - T_e) \quad [\text{W}]$$

$$P = S \cdot U (T_i - T_e) + 0,34 Q_v (T_i - T_e) = D (T_i - T_e)$$

$$\text{avec } D = S \cdot U + 0,34 Q_v \quad [\text{W/K}]$$





$$P = S \cdot U (T_i - T_{s,e}) + 0,34 Q_v (T_i - T_e)$$

$$\phi_{CLO} = S \cdot h (T_{s,e} - T_e) + S \cdot U (T_{s,e} - T_i)$$



