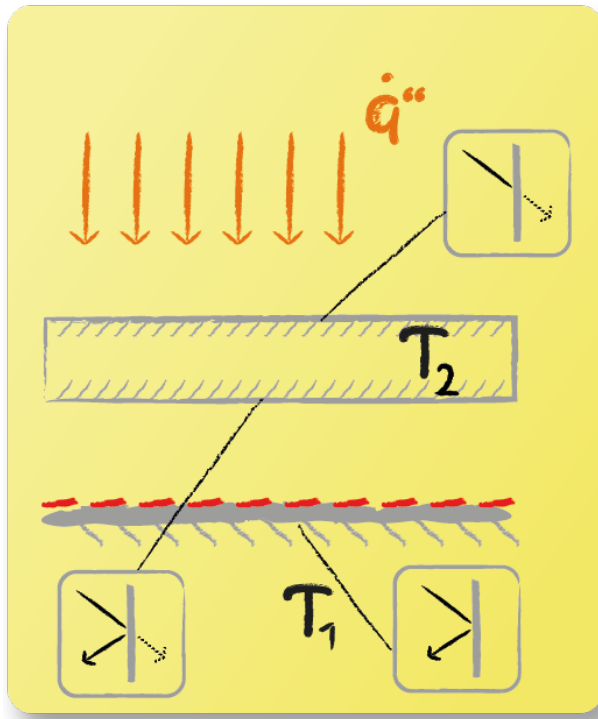


Surface Brightness: Task 31



The image shows two grey bodies. The properties of body 2s bottom and top surfaces differ from each other. While radiation arriving at the top is transmitted but not reflected, radiation on the bottom is transmitted and reflected. Bottom and top surfaces are indicated by indices b and t.

1



$$\dot{Q}_1 = \sigma \cdot \epsilon_1 \cdot A_1 \cdot T_1^4 + \rho_1 \cdot \dot{Q}_{2b}$$

2



The surface brightness of body 1 includes its emission and reflection of body 2's bottom surface brightness.