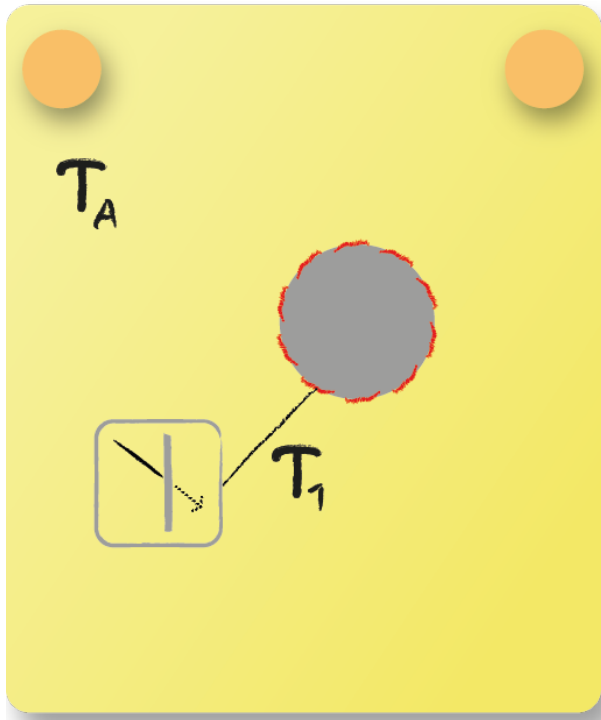


Surface Brightness: Task 4



The image shows a grey body, which is partially transmitting the ambient black radiation.

1



$$\dot{Q}_1 = \sigma \cdot \epsilon_1 \cdot A_1 \cdot T_1^4 + \sigma \cdot \tau_1 \cdot A_1 \cdot T_A^4$$

2



Since the body is not reflecting, its surface brightness contains its grey emission and transmission of the ambient radiation.