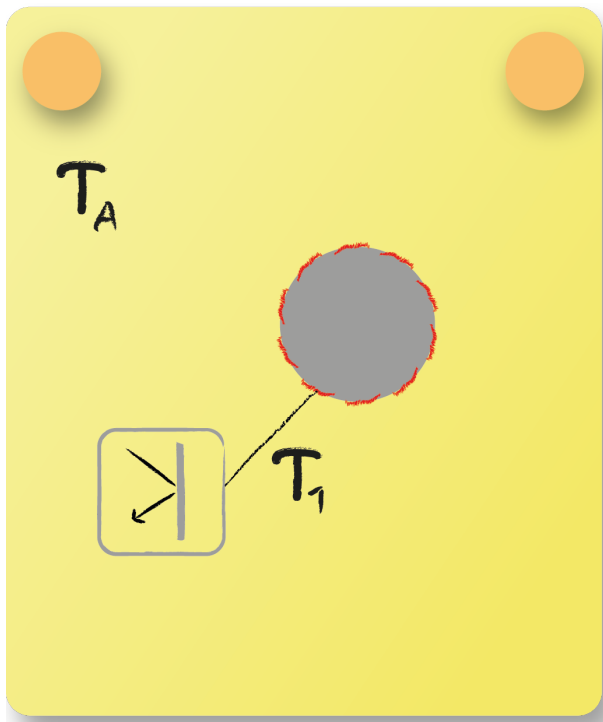


## Surface Brightness: Task 3



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

1



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

2



Since the body is not transmitting, its surface brightness contains its grey emission and reflection of the ambient radiation