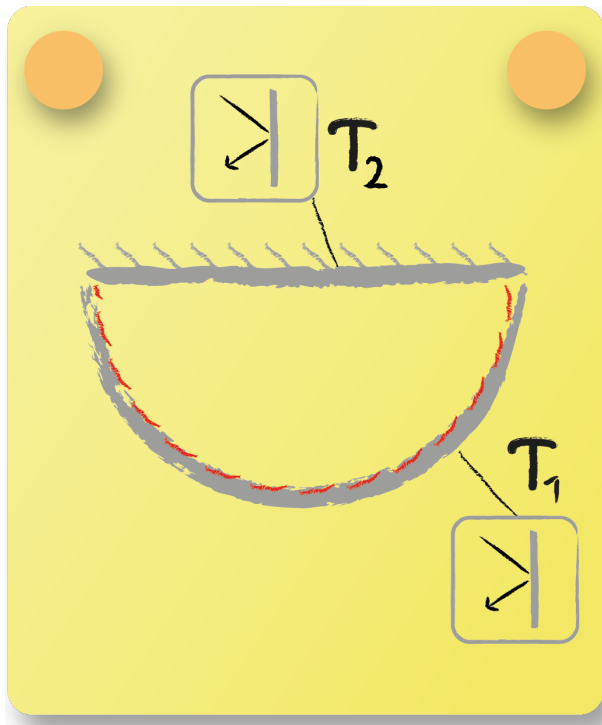


Surface Brightness: Task 22



The image shows two grey bodies, which are not transmitting.

1



$$\dot{Q}_1 = \sigma \cdot \epsilon_1 \cdot A_1 \cdot T_1^4 + \rho_1 \cdot \phi_{2,1} \cdot \dot{Q}_2 + \rho_1 \cdot \phi_{1,1} \cdot \dot{Q}_1$$

2



The surface brightness of body 1 is composed of its emission and reflection. Since it is self seeing, its surface brightness is also included in reflection.