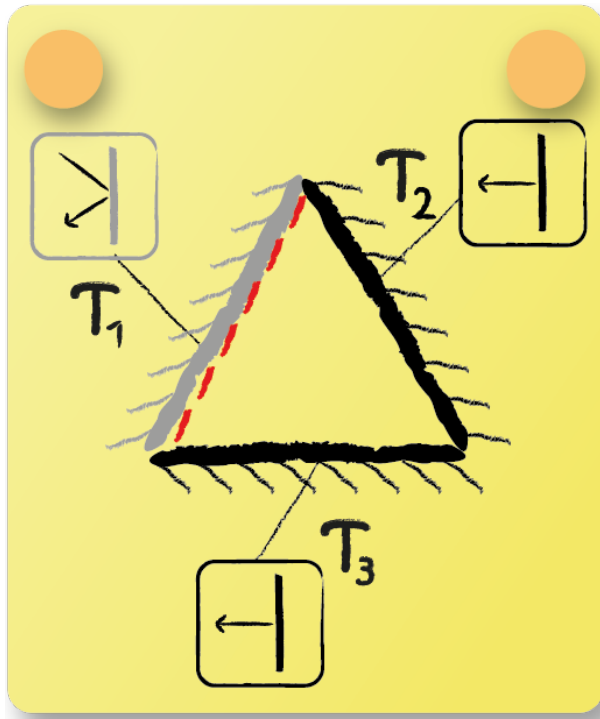


Surface Brightness: Task 18



The image shows a grey body 1, which is not transmitting and two black bodies.

1



$$\dot{Q}_1 = \sigma \cdot \epsilon_1 \cdot A_1 \cdot T_1^4 + \rho_1 \cdot \phi_{2,1} \cdot \dot{Q}_2 + \rho_1 \cdot \phi_{3,1} \cdot \dot{Q}_3$$

2



The surface brightness of body 1 contains its emission and reflection of the incoming radiation of bodies 2 and 3.