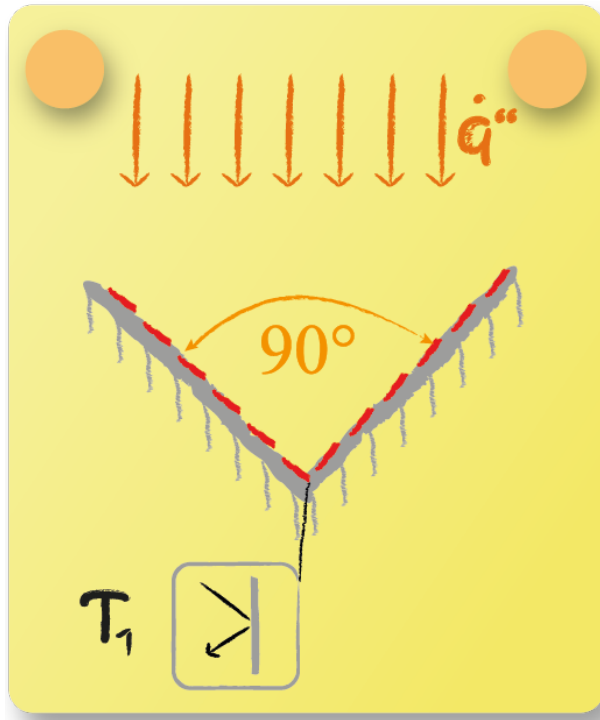# Surface Brightness: Task 37

The image shows a v-shaped grey body that is reflecting incoming radiation.

1

$$\dot{Q}_1 = \sigma \cdot \epsilon_1 \cdot A_1 \cdot T_1^4 + \rho_1 \cdot \phi_{1,1} \cdot \dot{Q}_1 + \rho_1 \cdot \dot{q}'' \cdot \sin(\tfrac{90°}{2}) \cdot A_1$$

2

The surface brightness contains emission of body one and reflection of external radiation. Due to it's self seeing shape also a fraction of it's own surface brightness is reflected.