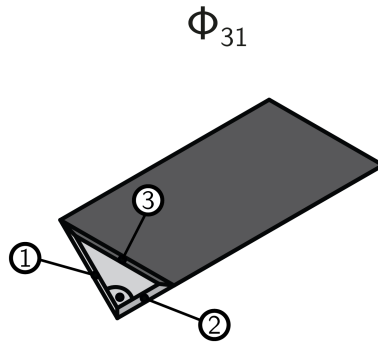# View Factor 14

The image shows a long right triangular body. Determine the view factor Φ_{31}:

A flat plate can never see itself and therefore:

$$\Phi_{11} = \Phi_{22} = \Phi_{33} = 0$$

Furthermore, from symmetry, it can be seen that $\Phi_{31} = \Phi_{32}$, combining this with the summation rule $(\Phi_{31} + \Phi_{32} + \Phi_{33} = 1)$ it yields:

$$\Phi_{31} = \frac{1}{2}$$