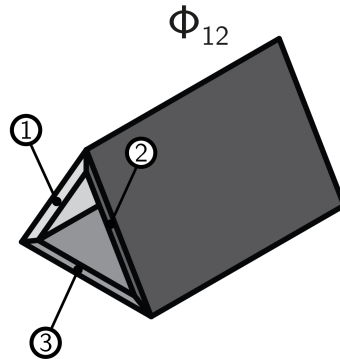


# View Factor 10

The image shows a long equilateral triangular body. Determine the view factor  $\Phi_{12}$ :



A flat plate can never see itself and therefore:

$$\Phi_{11} = 0$$

As we are dealing with an equilateral triangular body we have symmetry and therefore  $\Phi_{12} = \Phi_{13}$ , combining this with the summation rule ( $\Phi_{11} + \Phi_{12} + \Phi_{13} = 1$ ), one finds:

$$\Phi_{12} = \frac{1}{2}$$