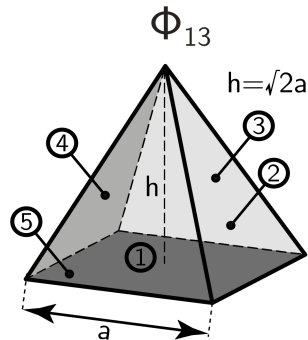


View Factor 57

Determine the view factor Φ_{13} :



A flat plate can never see itself and therefore:

$$\Phi_{11} = 0$$

From symmetry one sees that $\Phi_{12} = \Phi_{13} = \Phi_{14} = \Phi_{15} =$.

Combining this property with the summation rule ($\Phi_{11} + \Phi_{12} + \Phi_{13} + \Phi_{14} + \Phi_{15} = 1$) one finds:

$$\Phi_{13} = \frac{1}{4}$$