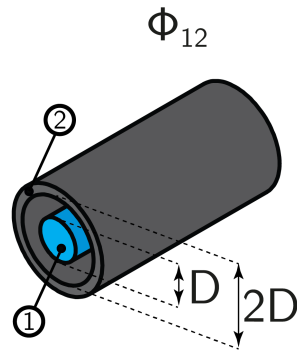# View Factor 06

A long hollow cylinder has a smaller long cylinder inside. Determine the view factor Φ_{12}:

A solid cylinder can never see itself and therefore:

$$\Phi_{11} = 0$$

From the sum rule $(\Phi_{11} + \Phi_{12} = 1)$, one finds that:

$$\Phi_{12} = 1 - \Phi_{12} = 1$$