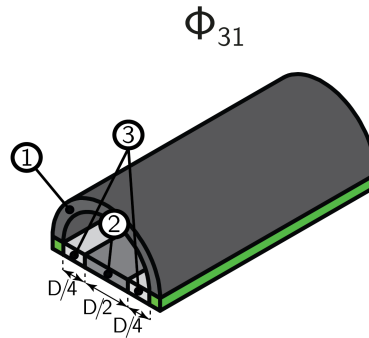# View Factor 34

Determine for a long semi-circular body the view factor Φ_{31}:

A flat plate can never see itself and therefore:

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

Surfaces 2 and 3 cannot see each other and therefore:

$$\Phi_{23} = \Phi_{32} = 0$$

From the summation rule $(\Phi_{31} + \Phi_{32} + \Phi_{33} = 1)$ one finds:

$$\Phi_{31} = 1$$