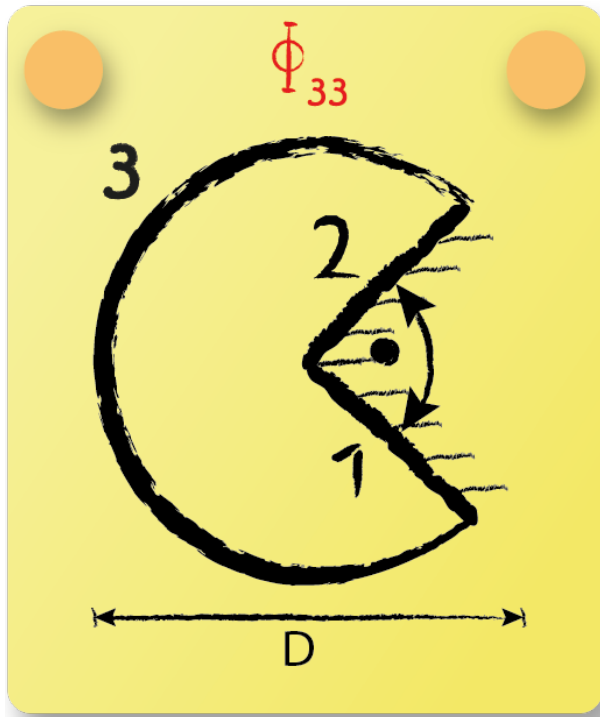


View Factor: Task 29



The image shows a three-quarter circular body. Angle is 90° . What is ϕ_{33} ?

1



$$\phi_{33} = 1 - 1/3 * 4/\pi$$

2



Due to symmetry $\phi_{3,1} = \phi_{3,2} = 2/(3\pi)$ and from enclosure $\phi_{3,1} + \phi_{3,2} + \phi_{3,3} = 1$.