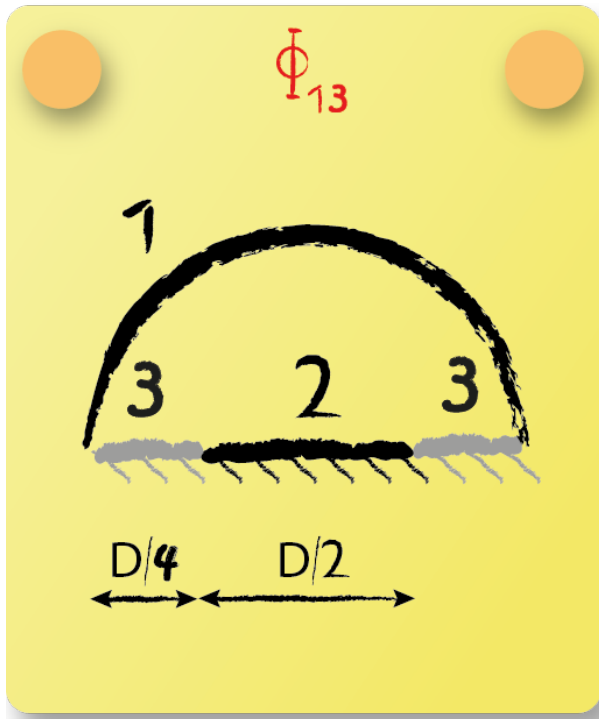


View Factor: Task 33



The image shows a semicircular body with radius r . The length of body 2 is equal to r , length of body 3's patches is $\frac{1}{2}r$.

1



$$\phi_{13} = 1/\pi$$

2



Due to the reciprocity rule, $\phi_{1,3} = (A_3/A_1) \cdot (\phi_{3,1})$ is applied because $\phi_{3,1}$ is known as 1 or we can say that $\phi_{1,2} = \phi_{1,3} = 1/\pi$ from symmetry.