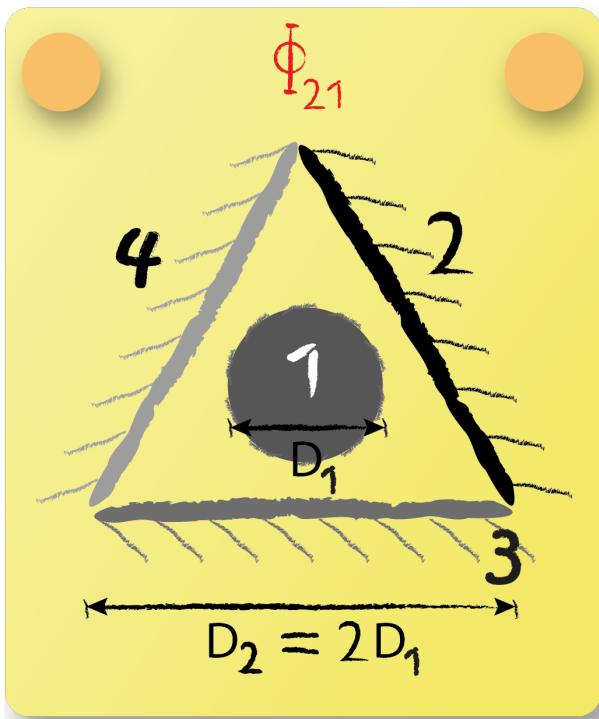


View Factor: Task 25



The image shows a triangular body and a sphere. Spherical body is completely inside of triangular body. Length of the equilateral triangle is two times of diameter of sphere. What is ϕ_{21} ?

1



$$\phi_{21} = \pi/6$$

2



According to reciprocity rule, the equation $\phi_{2,1} = (A_1/A_2) \cdot (\phi_{1,2})$ and $\phi_{1,2} = 1/3$ from symmetry is considered.