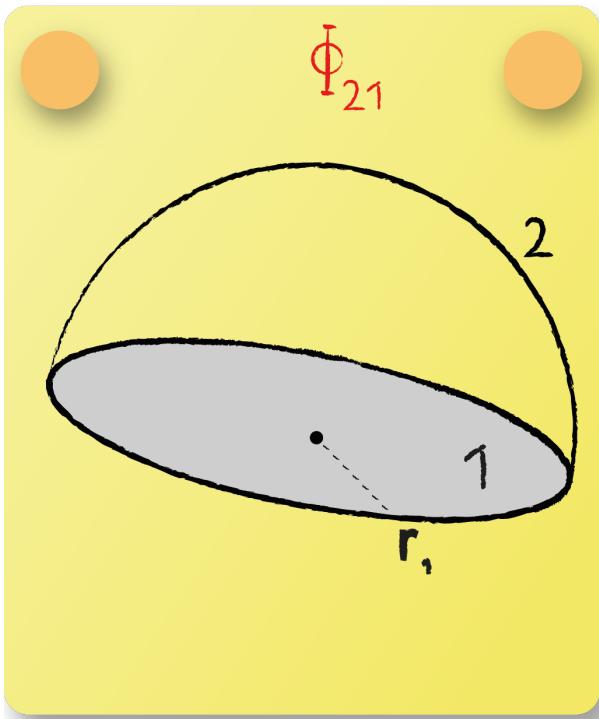


## View Factor: Task 44



The image shows a hemisphere consisting of the surfaces 1 and 2.

1



$$\phi_{21} = \frac{1}{2}$$

2



Surface 1 only sees surface 2, therefore  $\Phi_{12}$  equals 1. Taken into account the reciprocity rule, including surfaces  $A_1 = \pi r^2$  and  $A_2 = 2\pi r^2$ , one obtains the view factor  $\Phi_{21}$ .