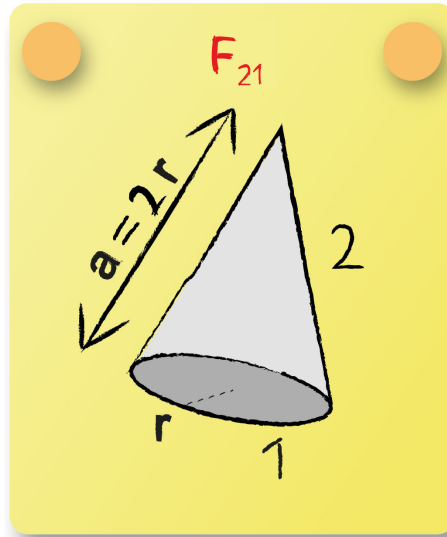


Lecture 05 - View Factor 09

Determine view factor F_{21} .



$$F_{12} = 1$$

$$A_1 = \pi r^2$$

$$A_2 = \pi \cdot r \cdot 2r = 2\pi r^2$$

Reciprocity rule:

$$F_{12}A_1 = F_{21}A_2$$

$$\rightarrow F_{21} = \frac{A_1}{A_2} = 1/2$$