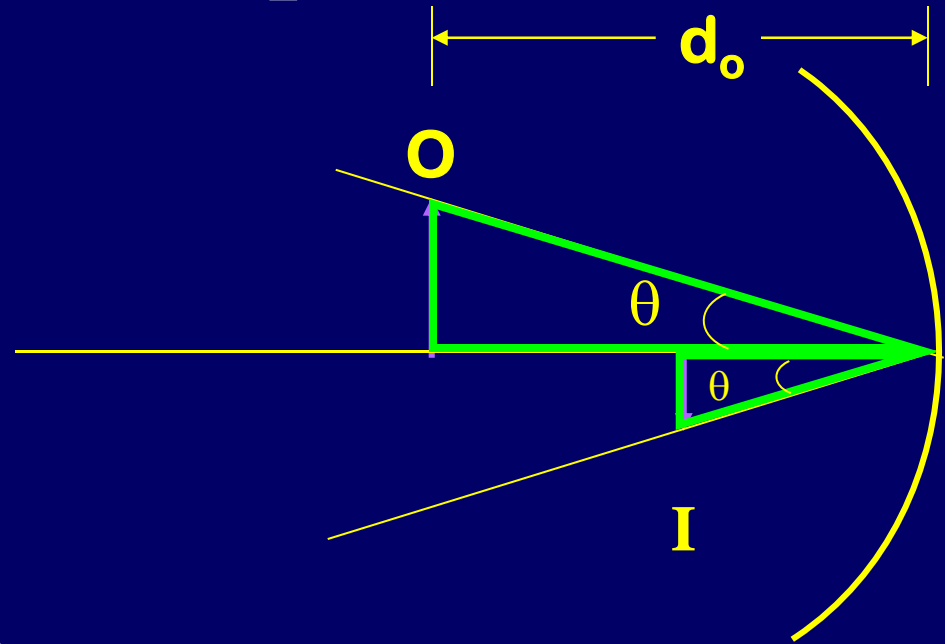


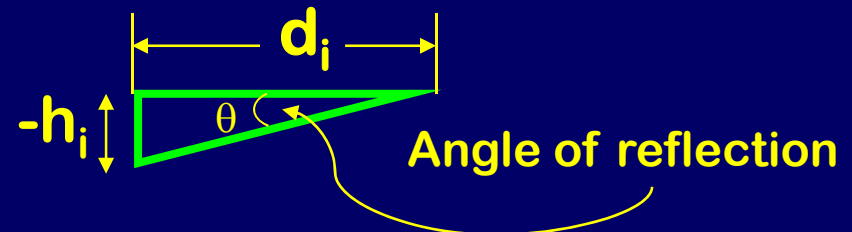
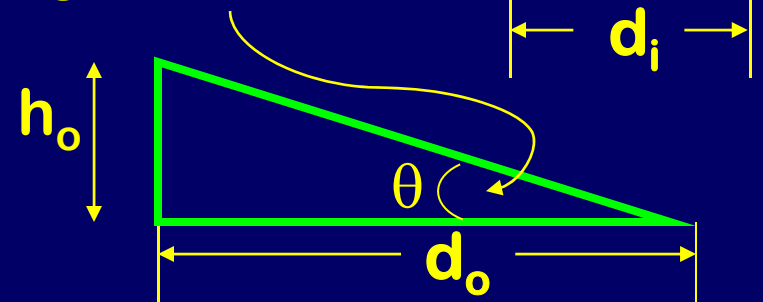
Magnification Equation

$$m \equiv \frac{h_i}{h_o} = -\frac{d_i}{d_o}$$

- h_o = height of object:
 - Positive: always
- h_i = height of image:
 - Positive: image is upright
 - Negative: image is inverted
- m = magnification:
 - Positive / Negative: same as for h_i
 - < 1 : image is reduced
 - > 1 : image is enlarged



Angle of incidence



$$\tan(\theta) = \frac{h_o}{d_o} = \frac{-h_i}{d_i}$$