Resolving Power

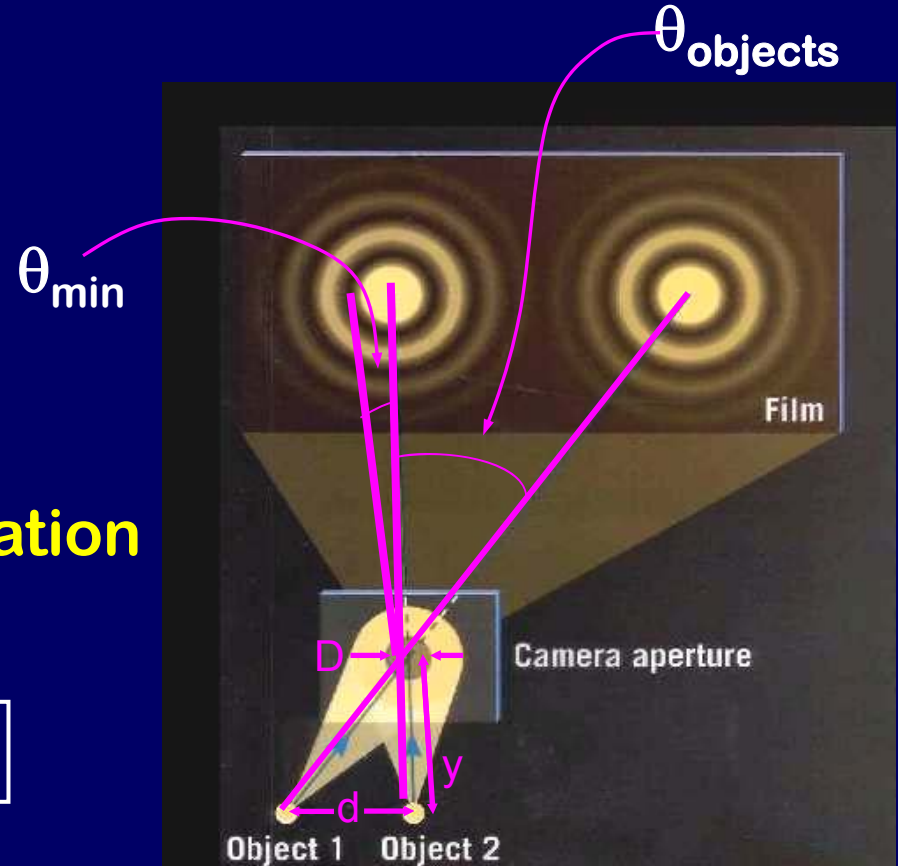**To see two objects distinctly, need $\theta_{objects} > \theta_{min}$**

$\theta_{objects}$ is angle between objects and aperture:

$$\theta_{objects} \approx \tan(d/y)$$

θ_{min} is minimum angular separation that aperture can resolve:

$$\sin \theta_{min} \approx \theta_{min} = 1.22 \, \lambda/D$$

Improve resolution by increasing $\theta_{objects}$ or decreasing θ_{min}