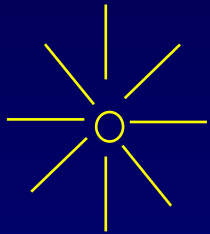


Slits and circular apertures

Monochromatic light source at a great distance, or a laser.



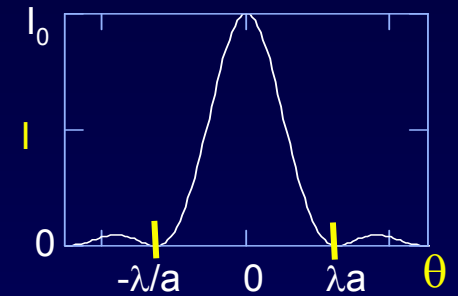
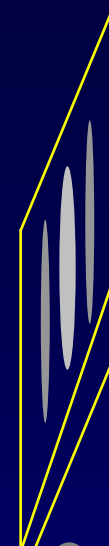
Slit, width a



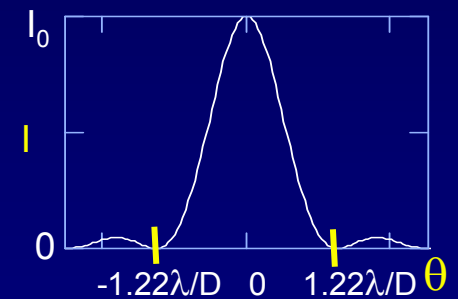
Pinhole, diameter D



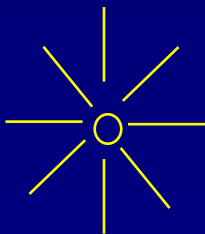
Observation screen:



Observation screen:



Object at any distance:



Lens, diameter D

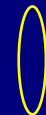


Image Plane:



The focusing effect of the lens is independent of the diffraction effect due to the aperture