Beam Properties

Source   Collimator   Object   Detector

D

d

unsharpness

L_{SO}

l_{OD}

L

$D - $ Aperture Diameter

$L_{SO} - $ Distance Aperture-Object
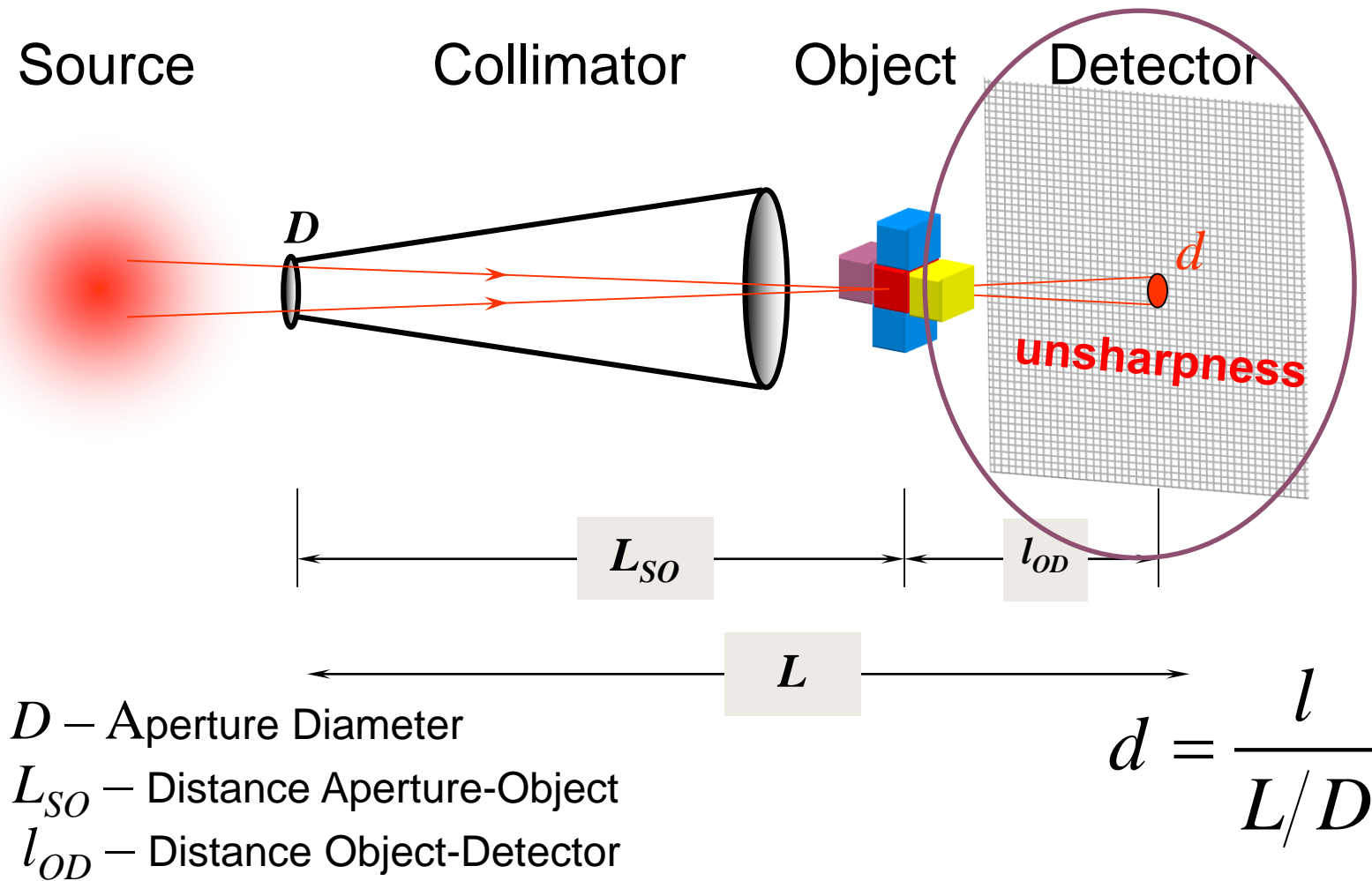
$l_{OD} - $ Distance Object-Detector

$$d = \frac{l}{L/D}$$

The angle of the source seen from the sample position determines the achievable resolution of a projection.