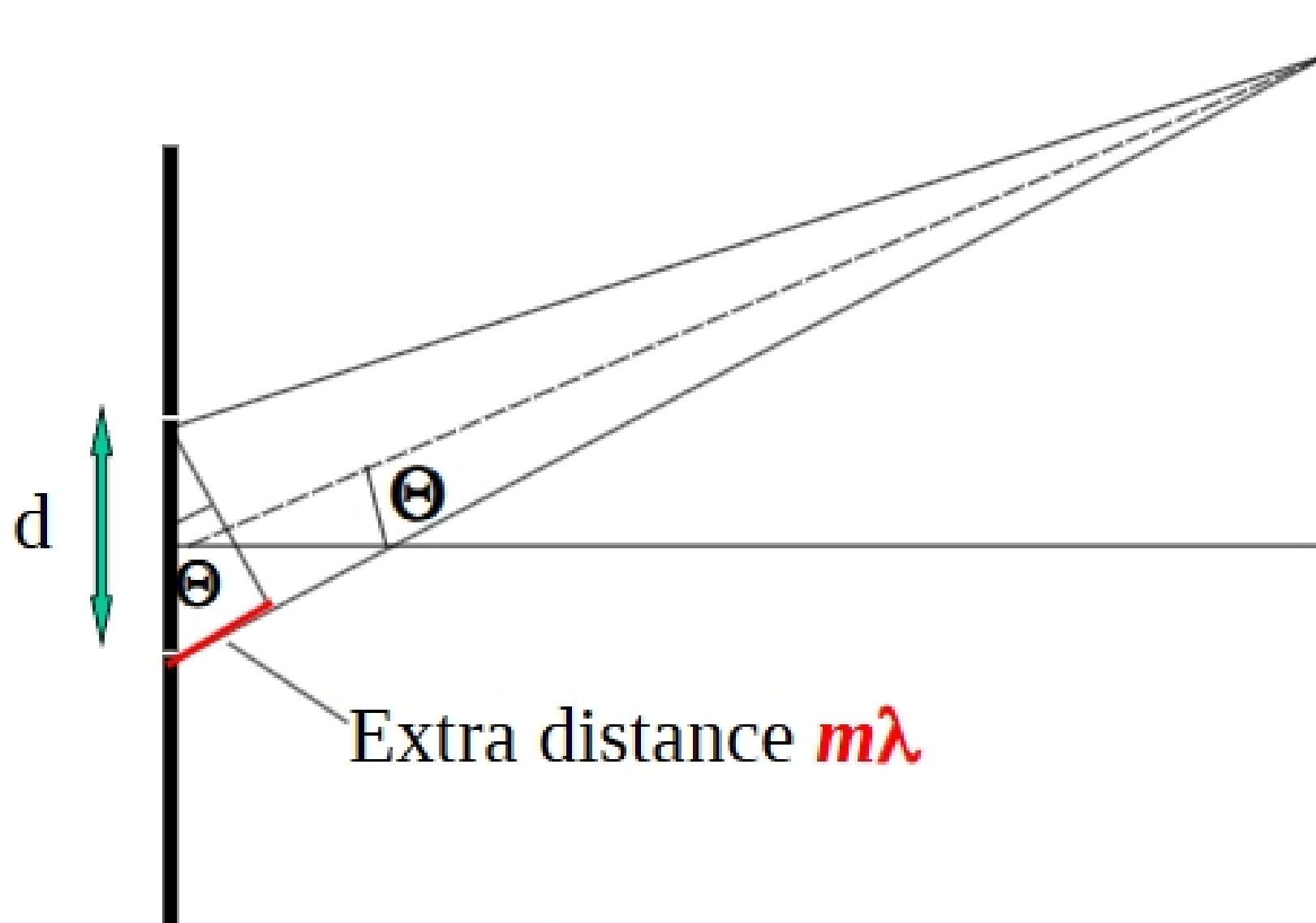


Chapter 24

Wave Optics

Diffraction Grating
Interference by Thin Films
Polarization



$$\sin\theta = m\lambda/d \quad \text{or} \quad d\sin\theta = m\lambda$$

$m = 0, 1, 2, 3, \dots$ Constructive interference

$m = 1/2, 3/2, 5/2, \dots$ Destructive interference

Diffracted Light Intensity Distribution

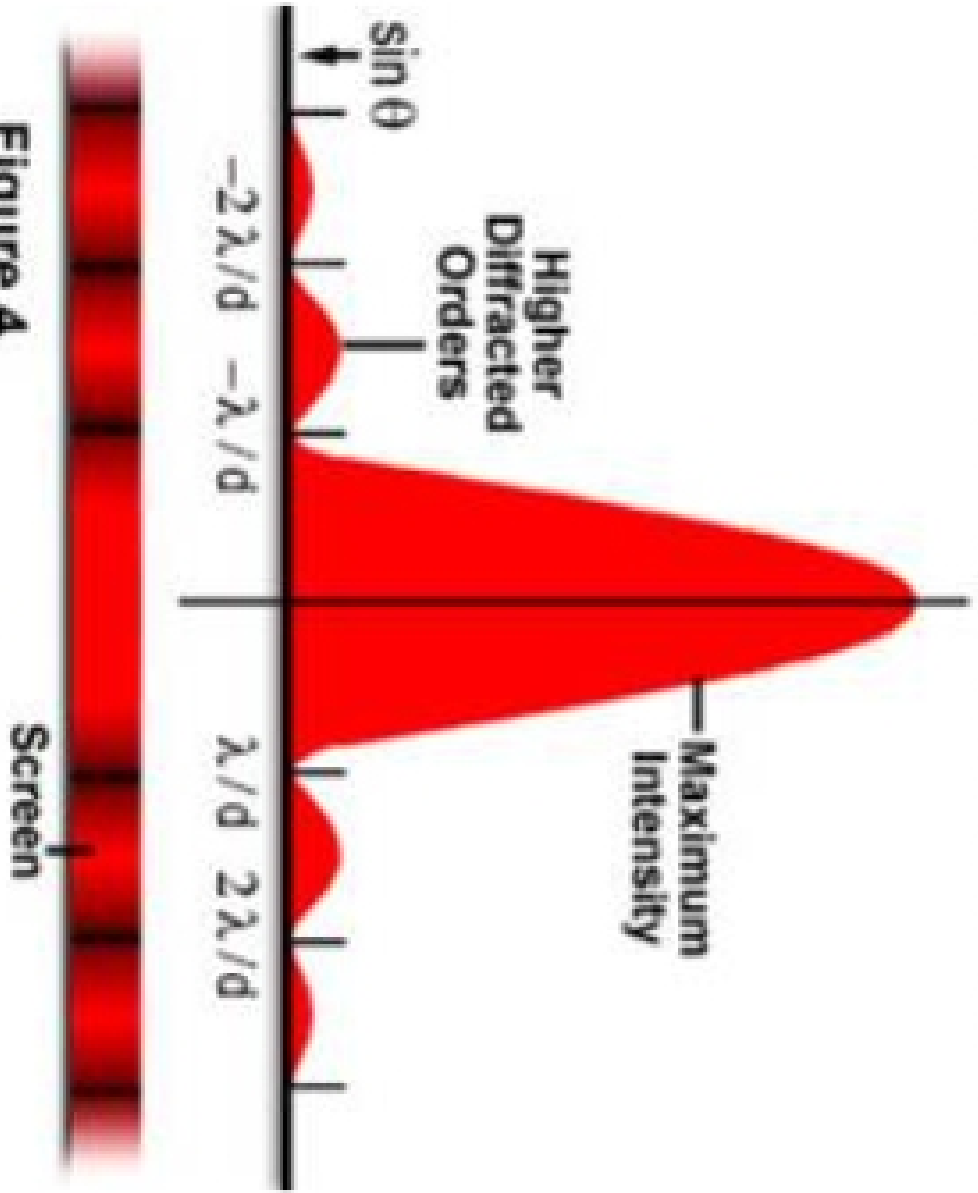


Figure 4

