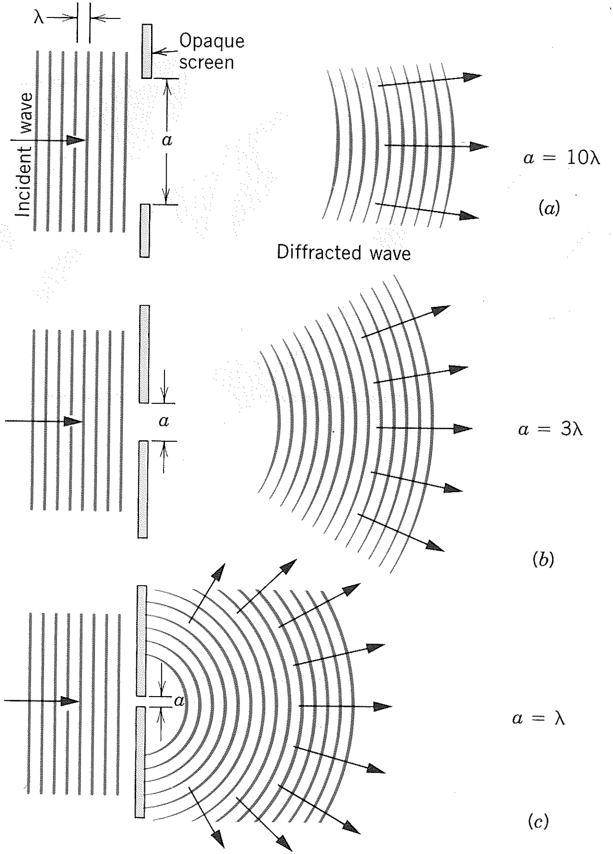

Figure 1 An attempt to isolate a ray by reducing the slit width fails because of diffraction, which becomes more pronounced for a fixed wavelength λ as the slit width a is reduced.