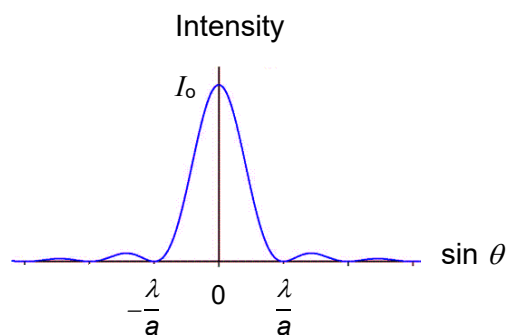


- 18 Light of wavelength λ incident on an adjustable single slit produces on a screen the diffraction pattern as shown when the slit width is a .



Which of the following diagrams best represents the diffraction pattern when the width of the slit is reduced to $\frac{a}{2}$?

