

- 17** In a double-slit interference experiment, one slit transmits waves of twice the amplitude compared to the other slit. The intensity at one of the bright fringes on the screen is I_o .

What is the intensity at the dark fringe closest to this bright fringe?

- A** zero **B** $\frac{I_o}{2}$ **C** $\frac{I_o}{4}$ **D** $\frac{I_o}{9}$