

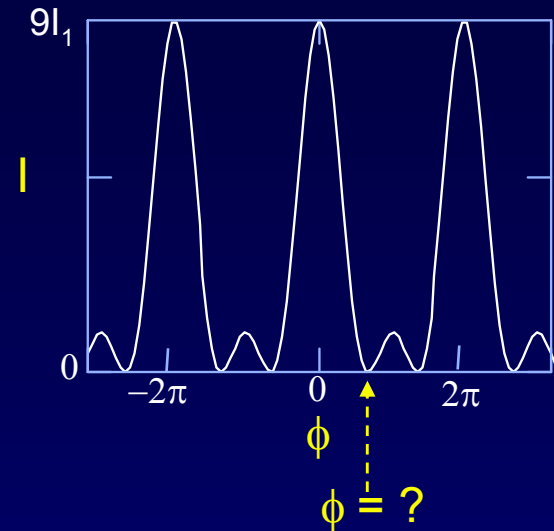
# ACT 2: Multiple Slits

1. What value of  $\phi$  corresponds to the first zero of the 3-slit interference pattern?

a)  $\phi = \pi/2$

b)  $\phi = 2\pi/3$

c)  $\phi = 3\pi/4$



2. What value of  $\phi$  corresponds to the first zero of the 4-slit interference pattern?

a)  $\phi = \pi/2$

b)  $\phi = 2\pi/3$

c)  $\phi = 3\pi/4$