

29 Light of wavelength 700 nm is incident on a pair of slits, forming fringes 3.0 mm apart on a screen.

What is the fringe spacing when light of wavelength 350 nm is used and the slit separation is doubled?

A 0.75 mm

B 1.5 mm

C 3.0 mm

D 6.0 mm

30 An electron enters the space between two parallel charged plates with an initial velocity v_0 .