

28 Fringes of separation y are observed on a screen 1.00 m from a Young's slit arrangement that is illuminated by yellow light of wavelength 600 nm.

At which distance from the slits would fringes of the same separation y be observed when using blue light of wavelength 400 nm?

A 0.33 m

B 0.67 m

C 0.75 m

D 1.50 m

29 Two parallel conducting plates with air between them are placed close to one another. The two