

- 20** Fringes of separation y are observed in a plane 1.00 m from a Young's double slit illuminated by yellow light of wavelength 600 nm.

At what 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