

- 29** In an experiment to demonstrate two-source interference of light, a beam of light is split into two beams using two slits 0.50 mm apart. These two beams are incident on a laboratory wall at a distance of 4.0 m.

The wavelength of light is 550 nm.

How far apart are two adjacent interference fringes that are formed on the laboratory wall?

- A** 0.22 mm **B** 0.44 mm **C** 2.2 mm **D** 4.4 mm