

- 18** A telescope with an aperture of 50 cm receives light of wavelength 620 nm from a binary star system which can just be resolved by the telescope.

The two stars are 5.7×10^{16} m from the telescope.

How far apart are the two stars?

- A** 2.0×10^7 m **B** 7.1×10^8 m **C** 2.0×10^9 m **D** 7.1×10^{10} m

- 19** Electric fields are often represented by diagrams of field lines.