

23 Light of frequency 6.0×10^{14} Hz passes through a diffraction grating with 4.0×10^3 lines per centimetre.

What is the angle between the two third-order diffraction maxima?

- A 12°
- B 23°
- C 37°
- D 74°

24 The diagram shows two charged horizontal metal plates X and Z. The magnitudes of the charges