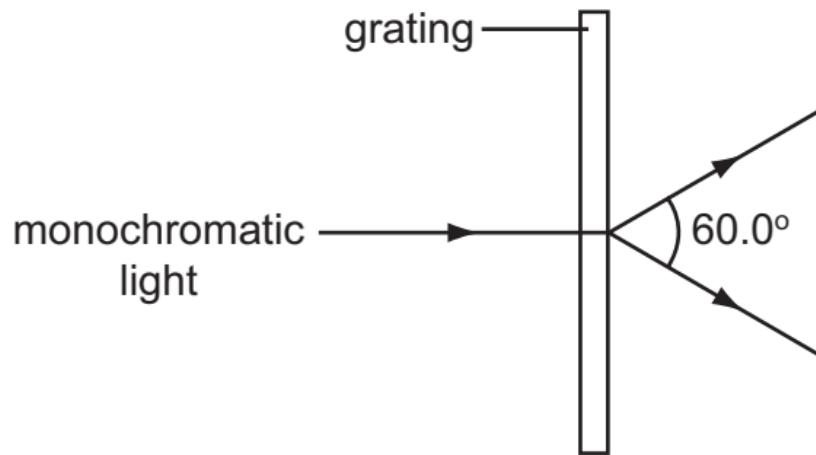


29 A diffraction grating is used to measure the wavelength of monochromatic light.

The spacing of the slits in the grating is 1.15×10^{-6} m. The angle between the first order diffraction maxima is 60.0° , as shown in the diagram.



What is the wavelength of the light?

A 287 nm

B 498 nm

C 575 nm

D 996 nm

30 A positively charged particle is projected into a region of uniform electric field E .