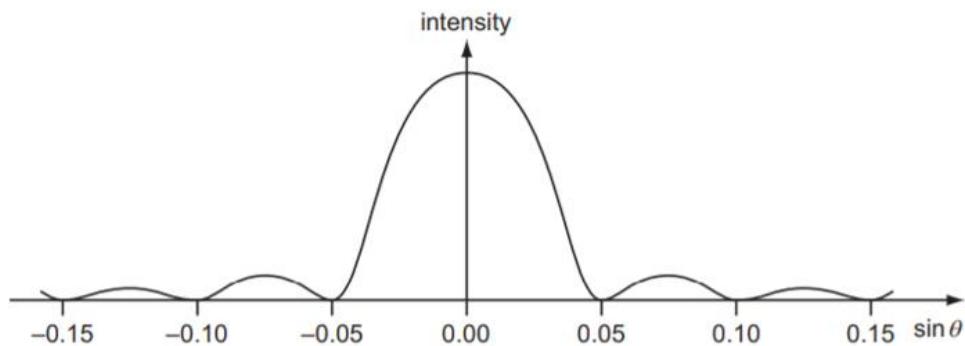


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A parallel, monochromatic beam of electromagnetic radiation is incident at right angles onto a single slit of width 0.010 mm.

The graph shows the variation of the intensity of the radiation with the sine of the angle θ through which the light is diffracted.



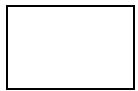
What is the wavelength of the radiation?

A

500 nm

B

750 nm



C

500 μm

D

750 μm