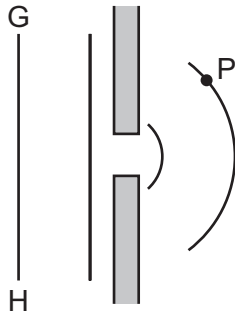


28 A monochromatic plane wave of speed c and wavelength λ is diffracted at a small aperture.

The diagram illustrates successive wavefronts.



After what time will some portion of the wavefront GH reach point P?

A $\frac{3\lambda}{2c}$

B $\frac{2\lambda}{c}$

C $\frac{3\lambda}{c}$

D $\frac{4\lambda}{c}$

29 In an experiment to demonstrate two source interference of light, a beam of light is split into two