17. A ray of monochromatic light passes from air into diamond.

The frequency of the light in air is 5.09×10^{14} Hz.

The speed of this light in diamond is

A 1.40×10^2 m s^{-1}

B 1.70×10^6 m s^{-1}

C 1.24×10^8 m s^{-1}

D 3.00×10^8 m s^{-1}

E 7.26×10^8 m s^{-1}.