

17 A longitudinal wave of frequency 1.6 Hz travels along a stretched spring at a speed of 2.4 m s^{-1} .

What is the phase difference between points on the spring that are 0.5 m apart?

A $\frac{\pi}{3} \text{ rad}$

B $\frac{2\pi}{3} \text{ rad}$

C $\pi \text{ rad}$

D $3\pi \text{ rad}$