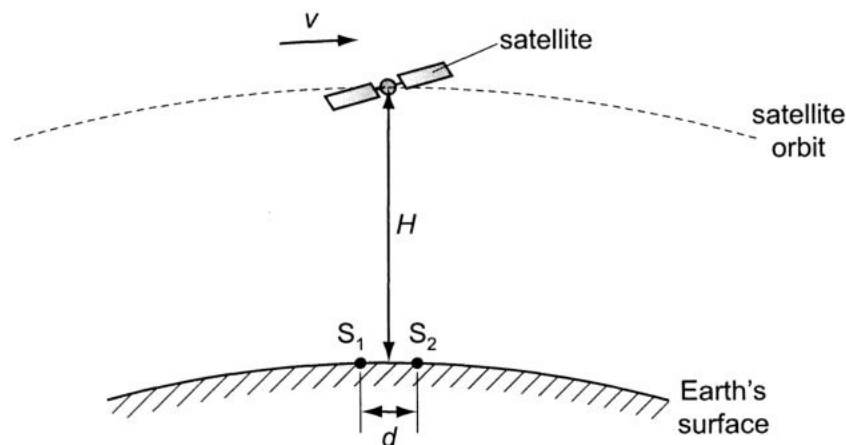


24 Two coherent sources S_1 and S_2 of radio waves are separated by a distance d .

A satellite is travelling overhead in the direction shown.



The satellite, travelling at speed v and at altitude H , detects f maxima of intensity of the radio waves per unit time.

What is the wavelength of the radio waves?

A $\frac{d}{fH}$

B $\frac{df}{H}$

C $\frac{df}{vH}$

D $\frac{dv}{fH}$