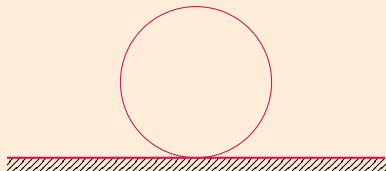


Doppler's Effect

1
99/22

A car approaching a crossing C at a speed of 20 m/s sounds a horn of frequency 500 Hz when 80 m from the crossing. Speed of sound in air is 330 m/s . What frequency is heard by an observer (at rest) 60 m from the crossing on the straight road which crosses car road at right angles?



(a) Option a

(b) Option b

(c) Option c

(d) Option d