

2 The speed v of sound in a gas is given by the equation

$$v = \sqrt{\frac{\gamma P}{\rho}}$$

where P is the pressure of the gas, ρ is its density and γ is a constant.

What are the SI base units of γ ?

A m^{-1}s

B m^3s^{-3}

C $\text{m}^{-4}\text{s}^{-4}$

D no units

3 The motion of an object moving from rest with a constant acceleration a may be represented by