

- 1 The mobility μ of electrons travelling through a metal conductor can be calculated using the equation

$$\mu = \left(\frac{e}{m} \right) \tau$$

where e is the charge on an electron and m is its mass. The average time between the collisions of an electron with the atoms in the metal is τ .

What are the SI base units of μ ?

A C s kg⁻¹

B C s kg

C A s² kg⁻¹

D A s⁻² kg⁻¹