

WAVES

$$v = \frac{\text{distance}}{\text{time}} = \frac{\lambda}{T} \equiv \lambda \nu$$

$$\nu \text{ IN } \text{s}^{-1} \equiv \text{Hz}$$

$$v = \lambda \nu$$

FOR LIGHT

$$c = \lambda \nu$$

$$c = 2.9979 \times 10^8 \text{ m s}^{-1}$$

THE SPEED OF LIGHT IS INDEPENDENT
OF THE FRAME OF REFERENCE

(MICHELSON & MORLEY'S EXPERIMENT)

⇒ SPECIAL RELATIVITY (POINCARÉ-EINSTEIN) ⇒ GENERAL RELATIVITY (EINSTEIN)