

Key Equations and Constants

Speed of light in vacuum:

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

Relationship between λ and ν in vacuum:

$$\lambda \nu = c$$

Wavenumbers (cm^{-1}):

$$\tilde{\nu} = 1/\lambda$$

Energy:

$$E = h \nu =$$

