$$\lambda = \frac{h}{p}$$

$$p = mv$$

$$\omega = \sqrt{\frac{k}{\mu}}$$

$$\frac{1}{\mu} = \frac{1}{m_1} + \frac{1}{m_2}$$

$$m = \frac{M}{N_A}$$

$$\Delta x \Delta p_x \geq \frac{\hbar}{2}$$

$$\tilde{\nu} = \frac{1}{\lambda} = \frac{\nu}{c} = \frac{\omega}{2\pi c}$$

$$E = mc^2 = h\nu = \frac{hc}{\lambda}$$

$$\int |\Psi|^2 \, \mathrm{d}\tau = 1$$

$$\nabla f = \vec{0} \,(\text{pkt. stac.})$$

$$\nabla = \left[\frac{\partial}{\partial x}, \frac{\partial}{\partial y}, \ldots\right]$$

$$\nabla^2 = \frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} + \cdots$$

$$m_e = 9{,}11 \cdot 10^{-31}\ \mathrm{kg}$$

$$e = 1{,}60 \cdot 10^{-19}\ \mathrm{A\,s}$$

$$h = 6{,}63 \cdot 10^{-34}\ \mathrm{J\,s}$$

$$\hbar = 1{,}05 \cdot 10^{-34}\ \mathrm{J\,s}$$

$$c = 3{,}00 \cdot 10^{8}\ \mathrm{m\,s^{-1}}$$

$$N_A = 6{,}02 \cdot 10^{23}\ \mathrm{mol^{-1}}$$