

Principles of Physical Chemistry Classical Mechanics

mark.wallace@chem.ox.ac.uk

www.markwallace.org

$$\frac{\partial^2 \psi}{\partial x^2} = \frac{1}{c^2} \frac{\partial^2 \psi}{\partial t^2}$$

$$\frac{\partial^2 \psi}{\partial x^2} = \frac{1}{c^2} \frac{\partial^2 \psi}{\partial t^2}$$

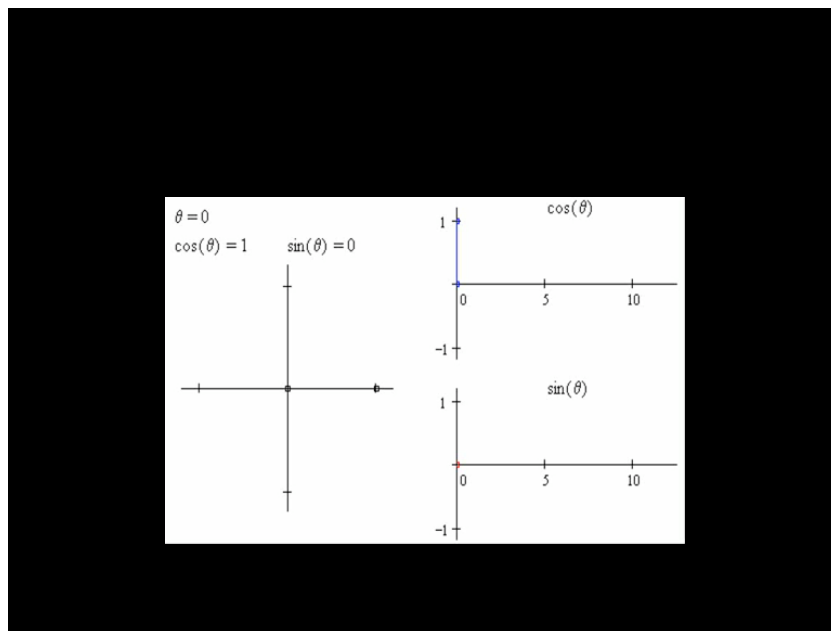
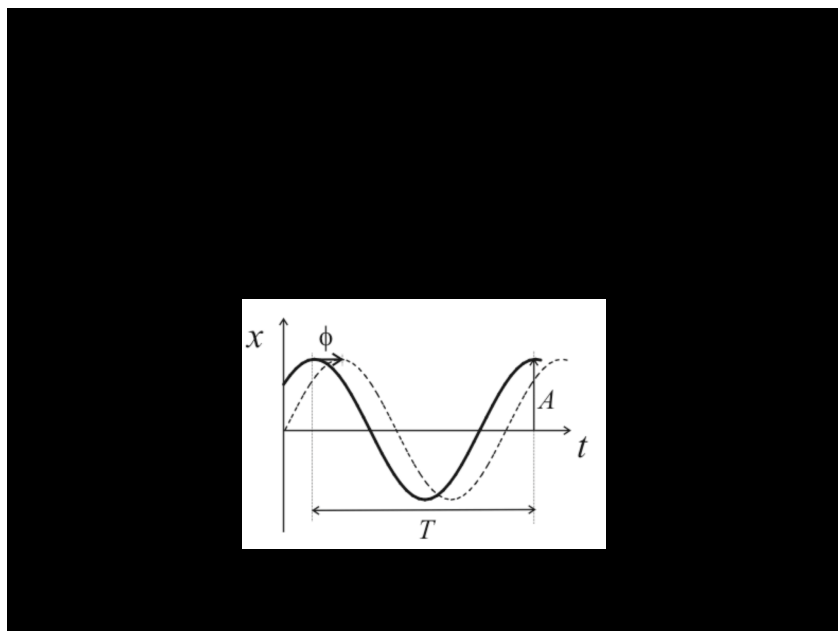
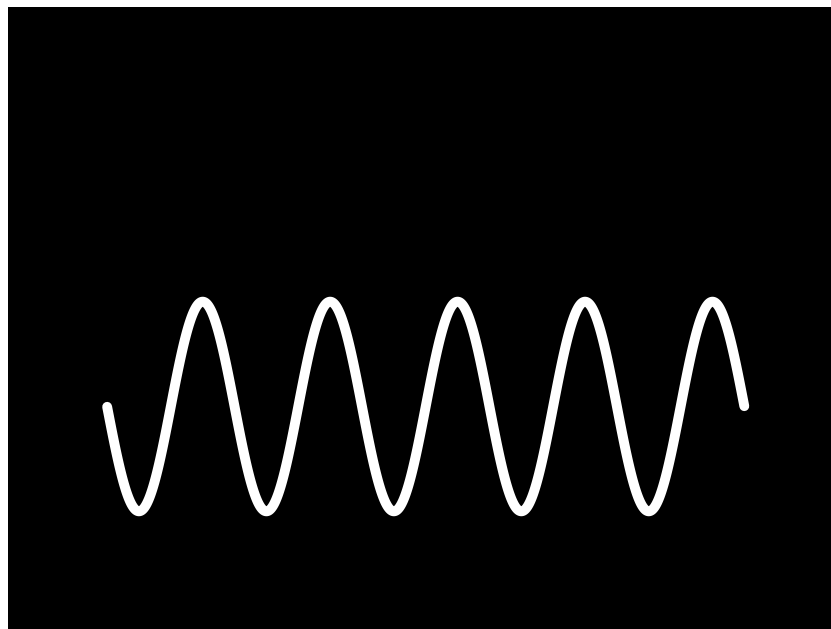
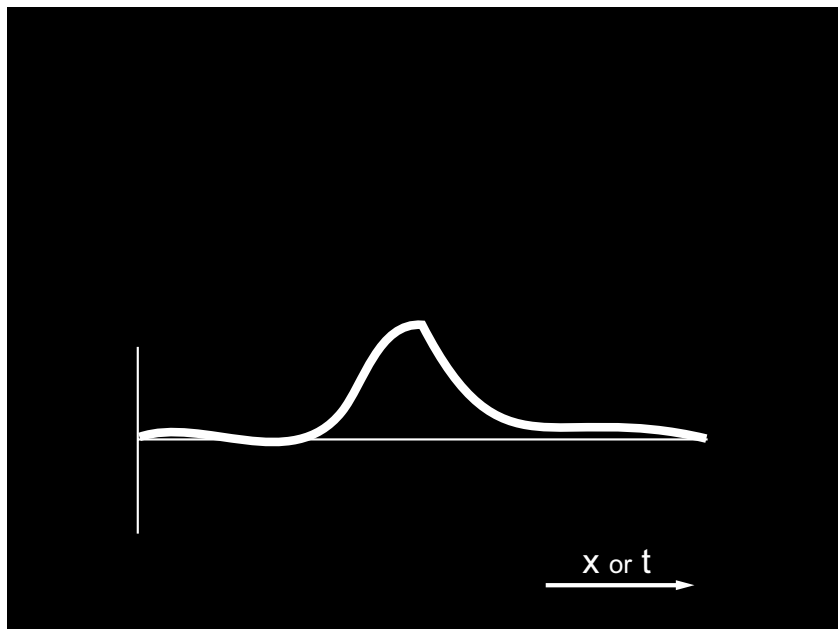
$$\frac{\partial T}{\partial t} = \kappa \frac{\partial^2 T}{\partial x^2}$$

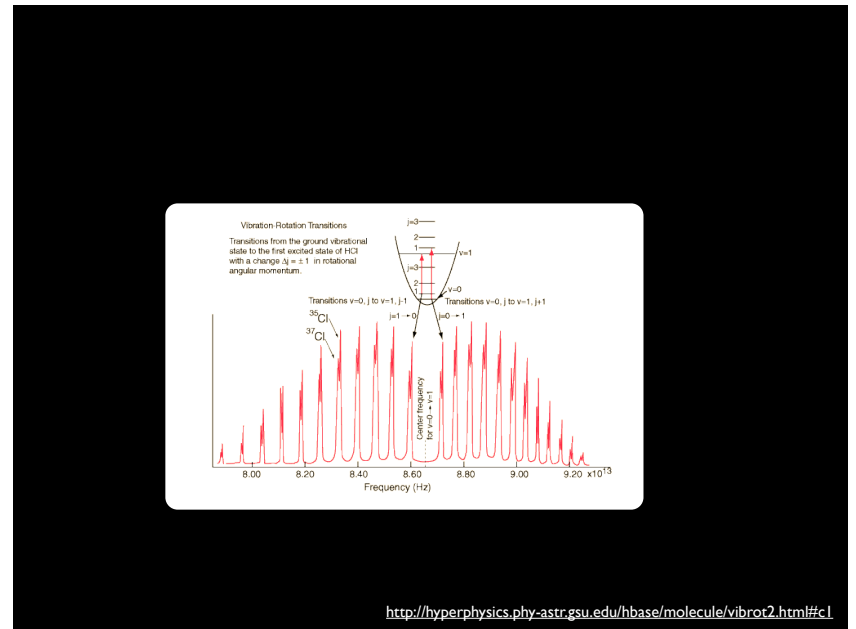
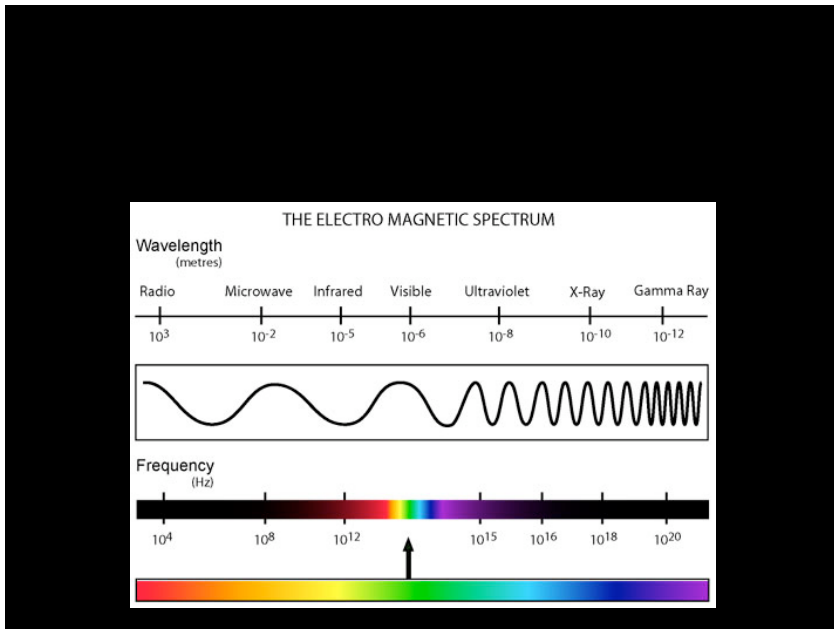
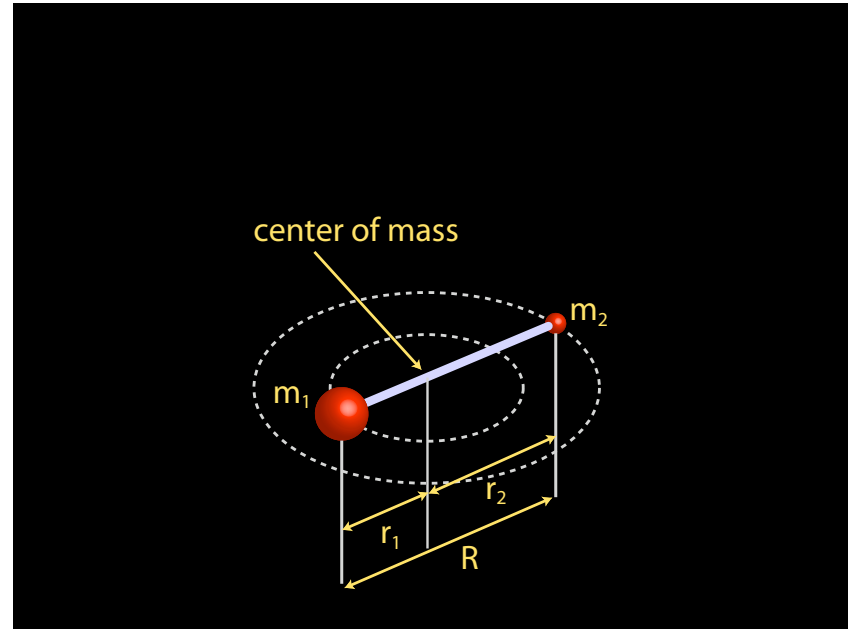
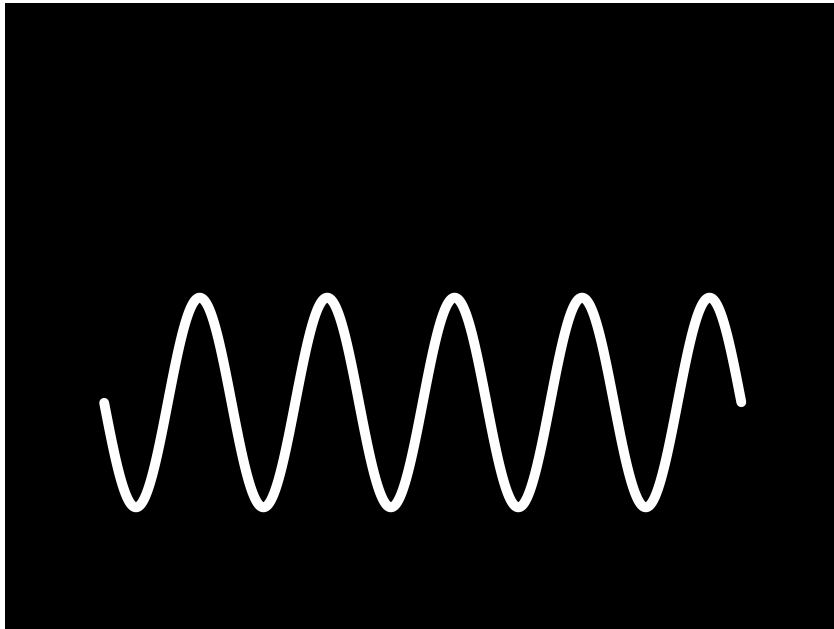
$$\frac{\partial[A]}{\partial t} = D \frac{\partial^2[A]}{\partial x^2}$$

$$-\frac{\hbar^2}{2m} \frac{\partial^2 \psi}{\partial x^2} + V\psi = E\psi$$

$$-\frac{\hbar^2}{2m} \frac{\partial^2 \psi}{\partial x^2} + V\psi = i\hbar \frac{\partial \psi}{\partial t}$$

$$\frac{\partial^2 \psi}{\partial x^2} = \frac{1}{c^2} \frac{\partial^2 \psi}{\partial t^2}$$





- Handouts on web
- Slides on the web
- Question sheet on the web
- Problems classes wk 5-6

See you next term



"That's amazing—I was just thinking the same thing."

"I had a similar thought—I was just thinking the same thing."