

$$\begin{aligned} \mathbf{v} &= \frac{\partial x}{\partial x} + \frac{\partial x}{\partial x} + \frac{\partial x}{\partial x} = \frac{\partial x}{\partial x} \nabla \mathbf{v} (\mathbf{r}, \theta + U(\mathbf{r}) \nabla \mathbf{v}, \theta) = H(\frac{\partial u}{\partial x} \nabla \mathbf{v} \\ \mathbf{Strodinger equation in Spherical Polar} \\ \mathbf{Strodinger equation in Spherical Polar} \\ \mathbf{v}^{2} &= \frac{1}{r^{2}} \left[\frac{\partial}{\partial x} \left(r^{2} \frac{\partial}{\partial r} \right) + csc + \frac{\partial}{\partial \partial \theta} \left(sin \theta - \frac{\partial}{\partial \theta} \right) + csc + \frac{\partial}{\partial \partial \phi^{2}} \right] \\ - \frac{h^{2}}{r^{2}} \left[\frac{\partial}{\partial x} \left(r^{2} \frac{\partial}{\partial r} \right) + csc + \frac{\partial}{\partial \partial \theta} \left(sin \theta - \frac{\partial}{\partial \theta} \right) + csc + \frac{\partial}{\partial \phi^{2}} \right] \\ - \frac{h^{2}}{r^{2}} \left[\frac{\partial}{\partial x} \left(r^{2} \frac{\partial}{\partial r} \right) + csc + \frac{\partial}{\partial \theta} \left(sin \theta - \frac{\partial}{\partial \theta} \right) + csc + \frac{\partial}{\partial \phi^{2}} \right] \\ + U(r, \theta, \phi) \psi(r, \theta, \phi) = E\psi(r, \theta, \phi) \\ &= -r^{2} \frac{2m(E - U(r))}{h^{2}} \psi(r, \theta, \phi) \\ &= -r^{2} \frac{2m(E - U(r))}{h^{2}} \psi(r, \theta, \phi) \\ &= -r^{2} \frac{2m(E - U(r))}{h^{2}} \psi(r, \theta, \phi) \\ &= -r^{2} \frac{2m(E - U(r))}{h^{2}} \psi(r, \theta, \phi) \\ \hline \mathbf{V} \\ \mathbf$$

