$$-\frac{n^2\pi^2}{L_x^2}\,\psi\;-\frac{n^2\pi^2}{L_y^2}\,\psi\;-\frac{n^2\pi^2}{L_z^2}\,\psi \quad = \quad -\frac{1}{c^2}\,\omega^2\,\psi$$

$$\frac{\partial^2\psi}{\partial x^2}\;+\;\frac{\partial^2\psi}{\partial y^2}\;+\;\frac{\partial^2\psi}{\partial z^2}\;+ \quad = \quad \frac{1}{c^2}\,\frac{\partial^2\psi}{\partial t^2}$$

$$\psi(r,\theta,\phi,t)$$

$$\frac{\partial^2\psi}{\partial r^2}\;+\;\frac{2}{r}\,\frac{\partial\psi}{\partial r} \quad = \quad \frac{1}{v^2}\,\frac{\partial^2\psi}{\partial t^2}$$

$$\psi(r) \quad = \quad A\,\sin(kr-\omega t)$$

$$\psi(r) \quad = \quad A\,\left(\frac{1}{r}\right)\,\sin(kr-\omega t)$$

$$\frac{1}{r^2}\,\frac{\partial}{\partial r}\left(r^2\frac{\partial\psi}{\partial r}\right)\;+\;\frac{1}{r^2\sin^2(\theta)}\frac{\partial}{\partial\theta}\left(\sin(\theta)\frac{\partial\psi}{\partial\theta}\right)\;+\;\frac{1}{r^2\sin^2(\theta)}\,\frac{\partial^2\psi}{\partial\phi^2} \quad = \quad \frac{1}{v^2}\,\frac{\partial^2\psi}{\partial t^2}$$