$$\Delta\Phi = 0 \qquad \Delta\Phi = f(x)$$

$$\Delta\Phi = \frac{1}{\alpha^2}\frac{\partial\Phi}{\partial t}$$

$$\Delta\Phi = \frac{1}{\alpha^2}\frac{\partial^2\Phi}{\partial^2 t} \qquad \Delta\Phi + k^2\,\Phi = 0$$

$$\frac{-\hbar^2}{2\,m}\Delta\Phi + V\,\Phi = \frac{\hbar}{i}\frac{\partial\Phi}{\partial t}$$

$$\int_S E\cdot dS = \frac{Q}{\varepsilon_o} \qquad \nabla\cdot E = \frac{\rho}{\varepsilon}$$

$$\int_S B\cdot dS = 0 \qquad \nabla\cdot B = 0$$

$$\int_C E\cdot dl = \frac{d\,\Phi}{dt} \qquad \nabla\times E = -\frac{\partial B}{\partial t}$$

$$\int_C B\cdot dl = \mu\left[\,I + \varepsilon_o\frac{d}{dt}\int_S E\cdot dS\,\right] \quad \nabla\times B = \mu\left[\,J + \frac{\partial\,\varepsilon E}{\partial t}\,\right]$$

$$\Delta = \nabla^2 \qquad \nabla = i\frac{\partial}{\partial x} + j\frac{\partial}{\partial y} + k\frac{\partial}{\partial z}$$

$$t' = \gamma\left(t - {}^{vx}\!/_{c^2}\right) \quad z' = \gamma(z - vt) \quad y' = y \quad x' = x$$

$$\gamma = \frac{1}{\sqrt{1 - {}^{v^2}\!/_{c^2}}}$$

$$R_{\mu\nu} - g_{\mu\nu}\left({}^{R}\!/_{2} - \lambda\right) = -\frac{8\pi G}{c^2}\, T_{\mu\nu}$$

$$\bar{F} = q \cdot \bar{E} + q\bar{v} \times \bar{B}$$

$$\nabla \times \bar{E} = -\frac{\partial \bar{B}}{\partial t}$$

$$F = -G\,\frac{m_1 m_2}{r^2}\,\hat{r} \qquad G = 6.7^{-11}\,\frac{\mathrm{Nm}^2}{\mathrm{kg}^2}$$

$$F = -K_e\,\frac{q_1 q_2}{r^2}\,\hat{r} \qquad K_e = 9.0^{9}\,\frac{\mathrm{Nm}^2}{\mathrm{C}^2}$$

$$F = -K_m\,\frac{p_1 p_2}{r^2}\,\hat{r} \qquad K_m = 1.0^{-7}\,\frac{\mathrm{Ns}^2}{\mathrm{C}^2}$$