Maths symbols in Latex

This text is **large**, the title is *Huge*

The above words use \textbf for **BOLD**
and \textit for *italic*

The space between the lines is created by \\at the end of the line.

More markup here: LaTeX CHEAT SHEET <Link
To add links include package at the top of markup with \usepackage{hyperref}

MATHS SYMBOLS

$$b^2$$
$$\sqrt[3]{4ac}$$
$$-b \pm \sqrt{b^2 - 4ac}$$

quadratic

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \tag{1}$$

where

$$ax^2 + bx + c = 0 \tag{2}$$

Tensor Multilevel Super & Subscrpting Eqn.3

$$T^{\alpha\prime\beta\prime\cdots\zeta\prime}_{\theta\prime\iota\prime\cdots\kappa\prime} = \Lambda^{\alpha'}{}_{\mu}\Lambda^{\beta'}{}_{\nu}\cdots\Lambda^{\zeta'}{}_{\rho}\Lambda_{\theta'}{}^{\sigma}\Lambda_{\iota'}{}^{\upsilon}\cdots\Lambda_{\kappa'}{}^{\zeta}T^{\mu\prime\nu\prime\cdots\rho}_{\sigma\upsilon\cdots\zeta}, \tag{3}$$

Matrices Eqn.4

$$F^{\mu\upsilon} = \begin{bmatrix} 0 & \frac{1}{c}E_x & \frac{1}{c}E_y & \frac{1}{c}E_z \\ \frac{1}{c}E_x & 0 & -B_z & B_y \\ \frac{1}{c}E_y & B_z & 0 & -B_x \\ \frac{1}{c}E_z & -B_y & B_x & 0 \end{bmatrix} \tag{4}$$

run plot of the following equation w/ lorenz.py Eqn.5

$$\frac{dx}{dt} = \sigma(y - x), \frac{dy}{dt} = x(\rho - z) - y, \frac{dz}{dt} = xy - \beta z. \tag{5}$$

$$E_0 = mc^2 \tag{6}$$

$$E = \frac{mc^2}{\sqrt{1 - \frac{v^2}{c^2}}} \tag{7}$$

Integration Eqn.8

$$\int_0^n x^2 dx \tag{8}$$

Limits Eqn.9

$$\lim_{x \to 2} x^2 + 2 \tag{9}$$

Summation Eqn.10

$$\sum_{x=1}^{n} x^2 = 1 \tag{10}$$

Product Sequence Eqn.11

$$\prod_{x=1}^{n} x^2 = 1 \tag{11}$$