Math Formulas Part 1

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1 Intro

Inline Math $f(x) = 5x \cdot 3$.
It is obvious that $2 + 2 \neq 5$.
This equation has no real answer $x = \sqrt{-1}$

2 Greek letters

This is a famous equation $e^{i\pi} + 1 = 0$
This is the formula of frequency

$$\lambda = \frac{f}{m}$$

This is how to calculate the pressure $\rho = rgh$
This is the formula of geometric progression

$$a_n = a_1 \cdot r^{n-1}$$

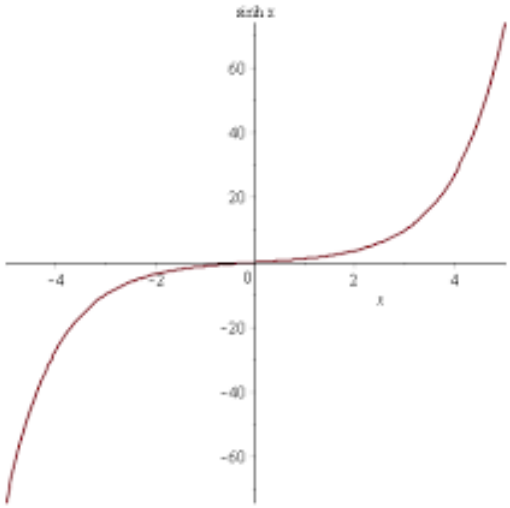

Figure 1: The graph of the $\sinh(x)$

3 Trig functions

This is the definition of hyperbolic sin

$$\sinh(x) = \frac{e^x - e^{-x}}{e^x}$$

This is an important equation

$$\cos(x)^2 + \sin(x)^2 = 1$$

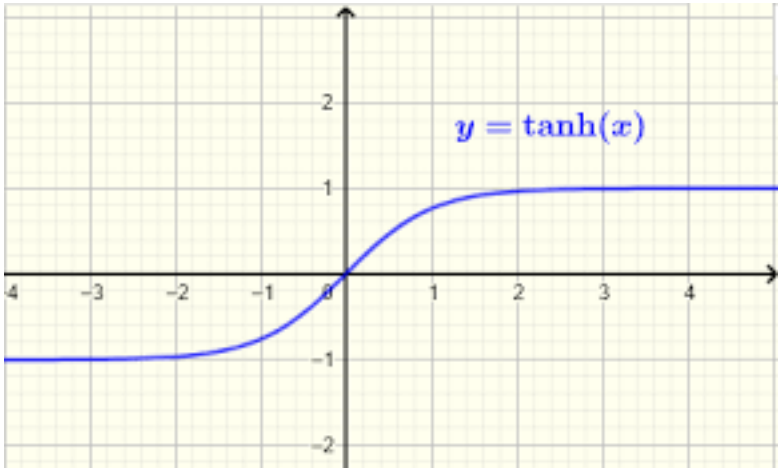

Figure 2: This is the graph of $\tanh(x)$