

1 How to type math equations?

When you are writing some documents ...

$\sin x$ and $\cos x$ are very important functions for engineers.

$$f(x) = \frac{1}{\sigma\sqrt{2\pi}} \exp \left\{ \left(\frac{x - \mu}{\sigma^2} \right)^2 \right\} \quad (1)$$

$$\begin{aligned} f(x) &= (x - 2)^2 + (x + 2)^2 \\ &= x^2 - 4x + 4 + x^2 + 4x + 4 \end{aligned} \quad (2)$$