



$\mathbf{T}_h$ is the h -th order Taylor polynomial of $\mathbf{f}$ at $\mathbf{h}$,

$$\mathbf{T}_h(\mathbf{x}) = \mathbf{f}(\mathbf{h}) + \mathbf{f}'(\mathbf{h})(\mathbf{x} - \mathbf{h}) + \frac{1}{2} \mathbf{f}''(\mathbf{h})(\mathbf{x} - \mathbf{h})^2 + \dots + \frac{1}{h!} \mathbf{f}^{(h)}(\mathbf{h})(\mathbf{x} - \mathbf{h})^h,$$

Th **h** **f** **f** **h** **h**