

$$\text{Im} \left[ f(x+ih) \right] = \left[ f(x) + \frac{\partial f(x)}{\partial x} \frac{ih}{1!} + \frac{\partial^2 f(x)}{\partial x^2} \frac{(ih)^2}{2!} + \frac{\partial^3 f(x)}{\partial x^3} \frac{(ih)^3}{3!} + \dots \right]$$

$$\frac{\partial f(x)}{\partial x} = \frac{\text{Im}(f(x+ih))}{h} + O(h^2)$$

$$\frac{\partial f(x)}{\partial x} = \frac{f(x+h) - f(x)}{h} + O(h)$$

$$\frac{\partial f(x)}{\partial x} = \frac{f(x+h) - f(x-h)}{2h} + O(h^2)$$

