

## Distance estimation method

$$z_0 = 0$$

$$z_{n+1} = z_n^2 + c$$

$$\frac{\partial}{\partial c} z_0 = 1$$

$$\frac{\partial}{\partial c} z_{n+1} = 2 \cdot z_n \cdot \frac{\partial}{\partial c} z_n + 1$$

$$\delta = \lim_{n \rightarrow \infty} 2 \cdot \frac{z_n \cdot \ln z_n}{\frac{\partial}{\partial c} z_n}$$