

$$\mathbf{f}(\mathbf{x}) = \mathbf{0}$$

$$\mathbf{J}(\mathbf{x}_{n+1} - \mathbf{x}_n) = \mathbf{f}_n$$

$$\mathbf{J} = \begin{bmatrix} \frac{\partial \mathbf{f}}{\partial x_1} & \cdots & \frac{\partial \mathbf{f}}{\partial x_n} \end{bmatrix}$$