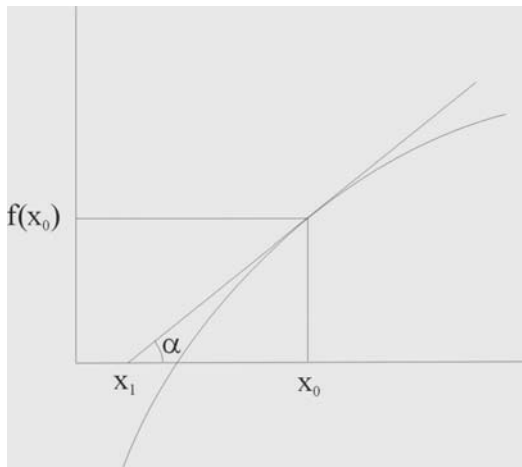


$$f'(x_0) = \lim_{\Delta x \rightarrow 0} \frac{f(x_0 + \Delta x) - f(x_0)}{\Delta x}$$

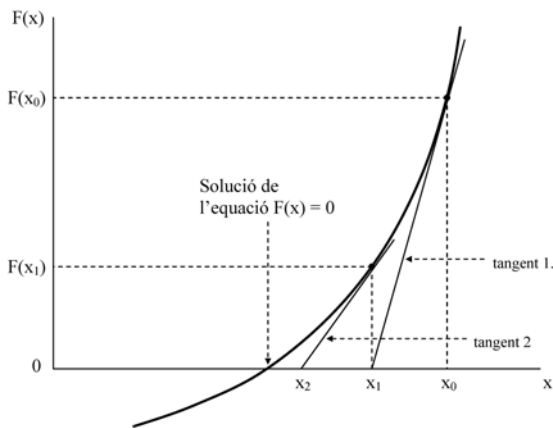
$$= \lim_{\Delta x \rightarrow 0} \frac{\Delta f}{\Delta x} = \frac{df}{dx} = \text{tg } \alpha$$



$$\text{tg } \alpha = f'(x_0) = \frac{f(x_0) - f(x_1)}{x_0 - x_1}$$

$$\Rightarrow x_1 = x_0 - \frac{f(x_0) - f(x_1)}{f'(x_0)}$$

Etapa en el mètode de Newton



Convergència en el mètode de Newton

