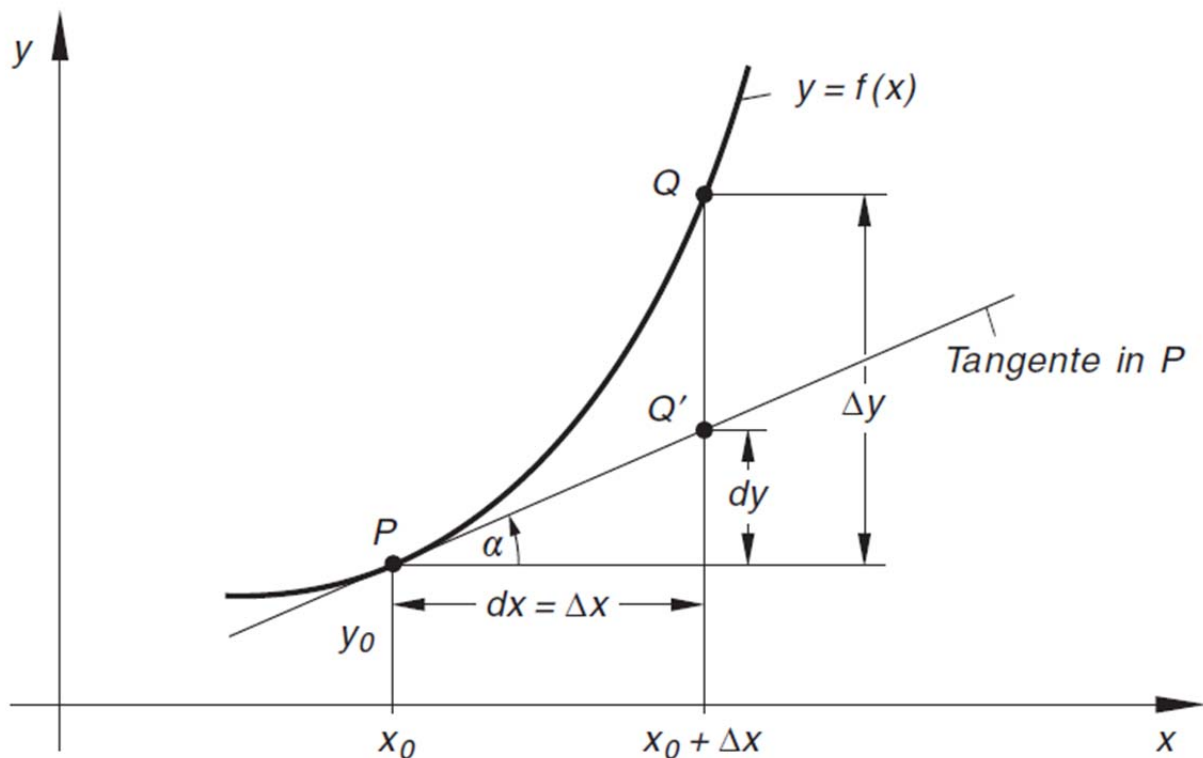


Differential



$$f'(x_0) = \lim_{\Delta x \rightarrow 0} \frac{\Delta y}{\Delta x} = \frac{dy}{dx}$$

$\frac{\Delta y}{\Delta x}$ Differenzenquotient

$\frac{dy}{dx}$ Differentialquotient

dx **Differential** der Variablen x

dy **Differential** der Funktion f