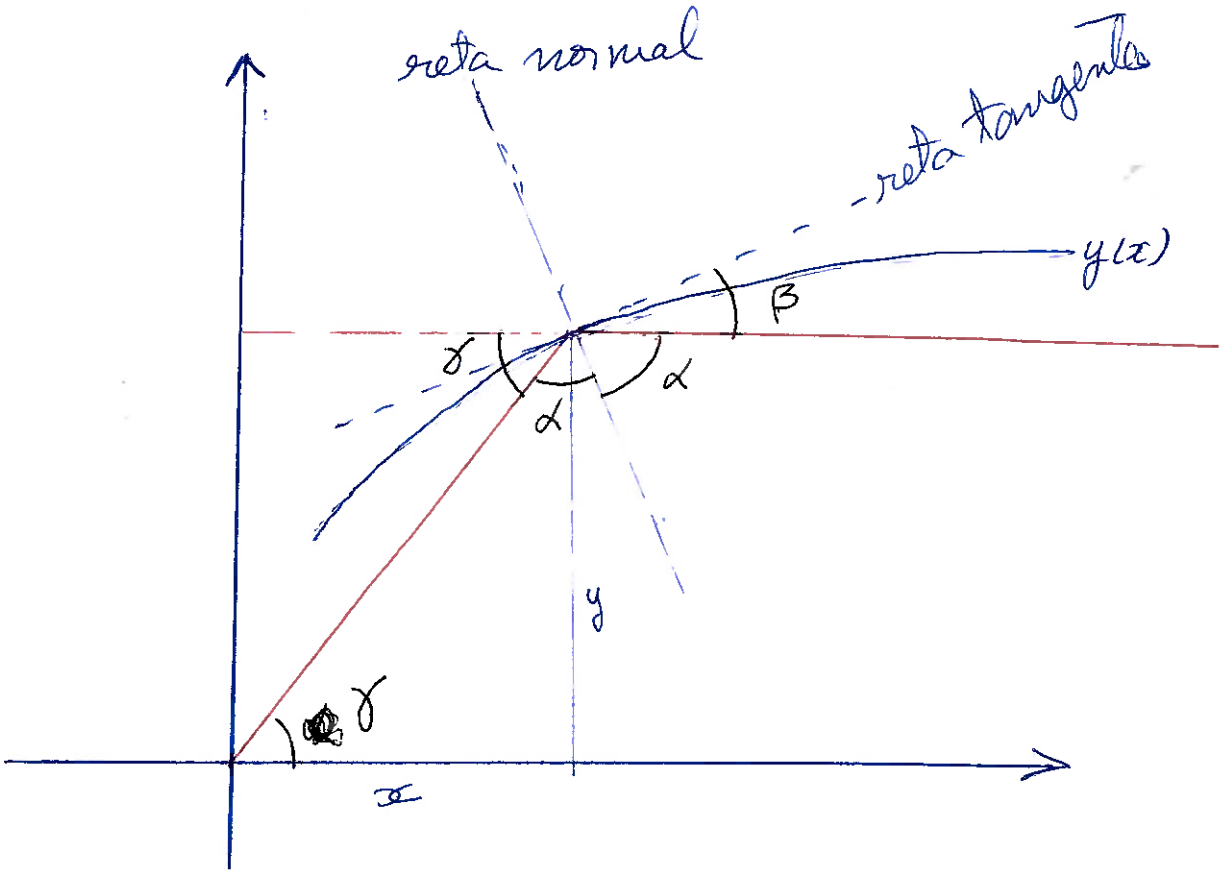
# ESPELHO PARABÓLICO




$$\alpha+\beta=\frac{\pi}{2} \Rightarrow tg\alpha=\frac{1}{tg\beta}=\frac{1}{y'}$$

$$2\alpha+\gamma=\pi \Rightarrow tg2\alpha=-tg\gamma=-\frac{y}{x}$$

$$tg2\alpha=\frac{2tg\alpha}{1-tg^2\alpha}$$

$$\Downarrow$$

$$y(y')^2+2xy'-y=0$$

FIGURA 4