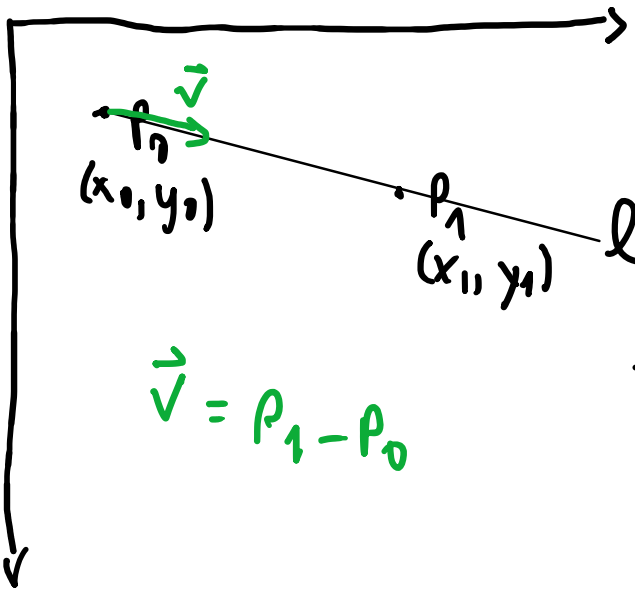

$$P = P_0 + t(P_1 - P_0)$$

$$\ell = (x, y) = (x_0, y_0) + t(x_1 - x_0, y_1 - y_0)$$

$$\vec{v} = P_1 - P_0$$

$$= \begin{cases} x = x_0 + t(x_1 - x_0) \\ y = y_0 + t(y_1 - y_0) \end{cases}$$

$\therefore$ $x - x_0 = t(x_1 - x_0) \rightarrow t = \dfrac{x - x_0}{(x_1 - x_0)}$

$\therefore$ $y = y_0 + t(y_1 - y_0)$

$$y = y_0 + \left(\frac{x - x_0}{x_1 - x_0}\right)(y_1 - y_0)$$

$$y = y_0 + (x - x_0) \cdot \frac{y_1 - y_0}{x_1 - x_0}$$

$\dfrac{y_1 - y_0}{x_1 - x_0} \rightarrow$ constante

Sabemos estes valores quando temos P_1 e P_0!

$$y = y_0 + a \cdot (x - x_0) \longrightarrow y = y_0 + ax - ax_0$$

y_0 e ax_0: constantes

$\therefore$ $y = ax + b$