1 Propagatieshit

$$y = \frac{y_2 - y_1}{x_2 - x_1} \cdot (x - x_1) + y_1 \tag{1}$$

Hoera, propagatie

$$\left.\frac{\partial y}{\partial x}\right|_x = \frac{y_2 - y_1}{x_2 - x_1} \tag{2}$$

$$\left.\frac{\partial y}{\partial x_1}\right|_{x_1} = -\frac{y_2 - y_1}{x_2 - x_1} - (x - x_1) \cdot \left(\frac{y_2 - y_1}{(x_2 - x_1)^2}\right) \tag{3}$$

$$\left.\frac{\partial y}{\partial x_2}\right|_{x_2} = (x - x_1) \cdot \left(-\frac{y_2 - y_1}{(x_2 - x_1)^2}\right) \tag{4}$$

$$\left.\frac{\partial y}{\partial y_1}\right|_{y_1} = \frac{x_1 - x}{x_2 - x_1} + 1 \tag{5}$$

$$\left.\frac{\partial y}{\partial y_2}\right|_{y_2} = \frac{x - x_1}{x_2 - x_1} \tag{6}$$