

CALIBRATION ET MESURES

X1, X2 = ADC: Lectures point bas, point haut

Y1, Y2 = Fluke: Lectures point bas, point haut

$$m = \frac{Y2 - Y1}{X2 - X1} \quad \text{Pente de la droite}$$

$$Y = m \cdot X + b \quad \text{Equation de la droite}$$

$$b = Y2 - m \cdot X2 \quad \text{Offset}$$

Exemple de calibration:

$$X1 := 6050 \quad X2 := 62500$$

$$Y1 := 210 \quad Y2 := 1995$$

$$m := \frac{Y2 - Y1}{X2 - X1} \quad m = 0.032$$

$$b := Y2 - m \cdot X2 \quad b = 18.694$$

Mesures:

$$Y(X) := m \cdot X + b$$

$$Y(8844) = 298.3$$

$$Y(62000) = 1.979 \times 10^3$$

Exemple de courbe de calibration

$$X := 5000, 5100 \dots 65000$$

