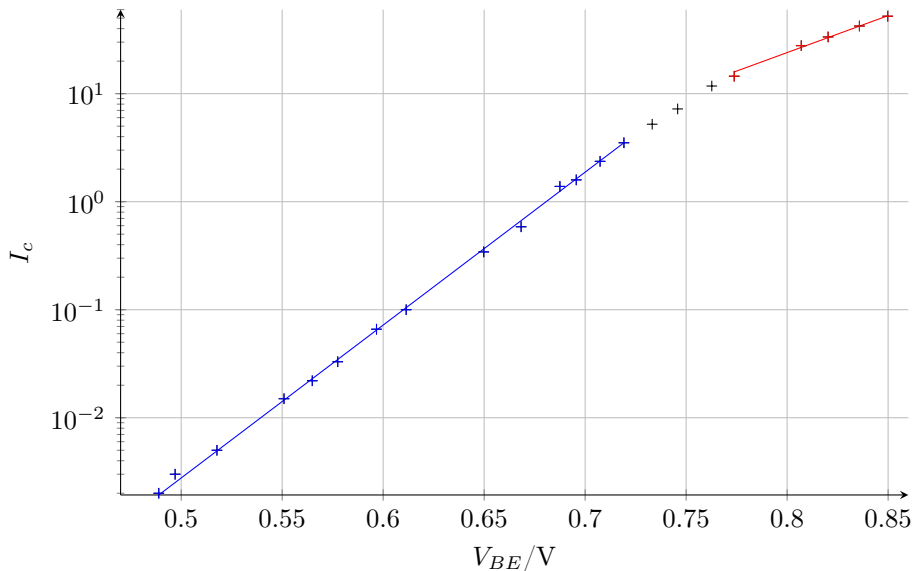


$$I = I_1 \cdot \exp(V_{BE}/U_1) \quad ; \quad I = I_2 \cdot \exp(V_{BE}/U_2)$$

$I_c = f(V_{BE})$ en semilog



$$U_1 = (30,7 \pm 1,6) \text{ mV} ; U_2 = (63,5 \pm 8,9) \text{ mV} ; e/(kT) = 25,7 \text{ mV} \text{ à } T = 298 \text{ K}$$