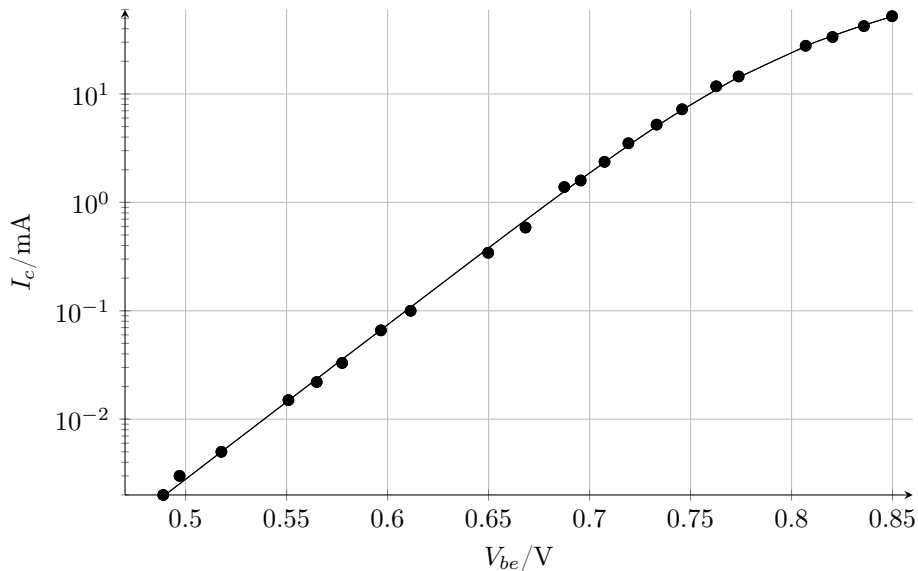


$$V_{be} = U_T \cdot \ln(I_c/I_s) + R_{be} \cdot I_c$$

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



$$U_T = (30,47 \pm 0,46) \text{ mV} \quad I_s = (209 \pm 64) \text{ fA} \quad ; \quad R_{be} = (973 \pm 98) \text{ m}\Omega$$