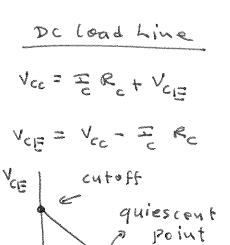
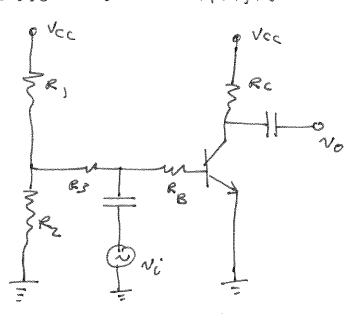
Experiment 7

BJT Transiston as an Amplifier





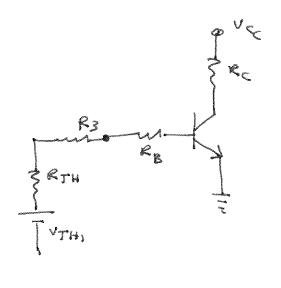
o variation of ac signal should remain along the linear (active) corve to avoid clipping.

$$\frac{DC \ circuit}{R_{TH}} = R_1 || R_2$$

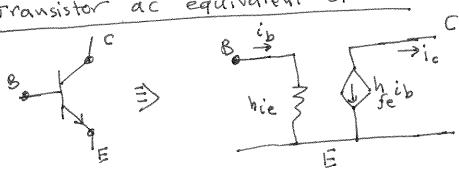
$$Y_H = R_C \frac{R_2}{R_1 R_2}$$

$$Y_{TH} = = (R_{TH} + R_1 + R_3) = Y_B + Y_B + Y_B = Y_B + Y_B + Y_B = Y_B + Y_B + Y_B = Y_B + Y_B = Y_B + Y_B + Y_B = Y_B + Y_B +$$

Saturation



Transistor ac equivalent circuit



all ac quantities

0

Amplifier gain = No (output relative to input voltage).

input resistance as seen from source = vi

owned resistance

remove Ni (short) and add a source set the orders.

