

(Lecture 19)

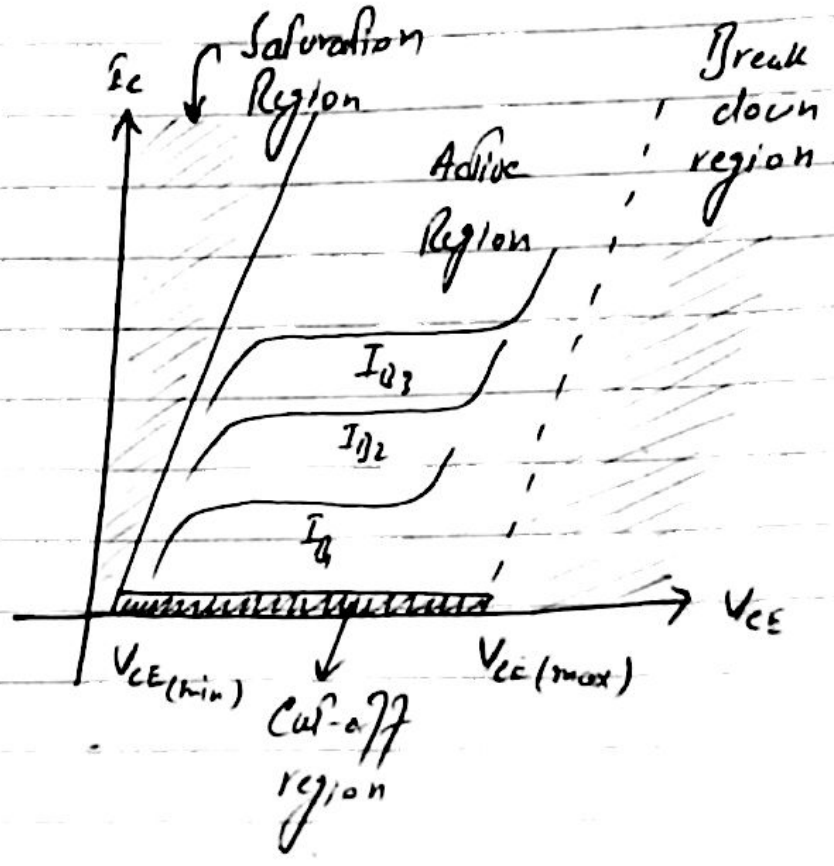
Characteristic Curves

Output Characteristics:

$$I_c = \beta I_b$$

$I_{c_{BO}}$ = Collector Current when base is open.

$$V_{ce} = V_{cc} - I_c R_c$$



when $V_{ce} = 0$

$$0 = V_{cc} - I_c R_c$$

$$I_c = V_{cc} / R_c$$

and when $I_c = 0$

$$V_{ce} = V_{cc}$$

So, for the best result, the signal should be at Q point.

