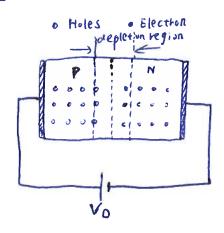
Blackboard Notes for Lecture - 1

siide 9:



diffusion movement will result in internal electric field to prevent holes diffusion from P region to N region with applied external voltage. drift movement happens, it drives Holes movement from P region towards N region.

Therefore, when Vo >0, delep depletion region is narrow, the pn Junction is on,

Junction is off.

slide 12:

No, since the depletion region is quite wide in provided, while it is quite thin in NPN transistor C Base repion is only I ~2 MM?

Slide 18:

when VCE increases, the curve will shift towards right direction.

Reason: When VCE increases. the collector lead will collect more electrons, that means more electrons will flow through Emitter region to collector region, to keep Base current (iB). More VBE is needed to make electrons flow toward Base region.