7. CE Configuration

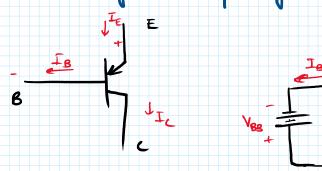
27 September 2023 11:35

COMMON EMITTER CONFIGURATION

· Arrow indicates direction of IE

. The NPN BJT ocequires two voltage sources V_{BE} on V_{e8} , and V_{cE} on V_{cc} to

bias the two junctions respectively.

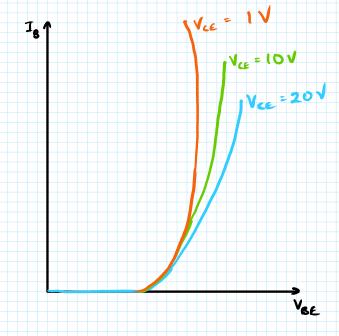


· Fon device to operate in active negion:

one diode -> forward bias

the -> reverse

CE CONFIGURATION - INPUT CHARACTERISTICS



As sulfut vollage $V_{e_{\mathcal{E}}}$ increases, covernt $I_{\mathcal{B}}$ decreases.

Hence graph shifts to the right.

narrower base width Class chance & necombination)