(I) WZAEW

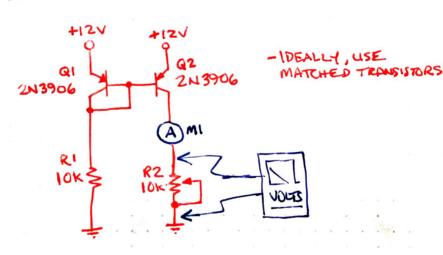
CURRENT SOURCE / MIRROR OUTPUT IMPEDANCE

THE EARLY EFFECT

SEE MY PREVIOUS VIDEO ON CURRENT SOURCES & MIRRORS #190

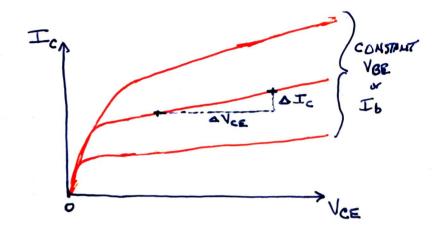
THE EFFECT OF NON-INFINITE O/P IMPEDANCE

EXPERIMENT:

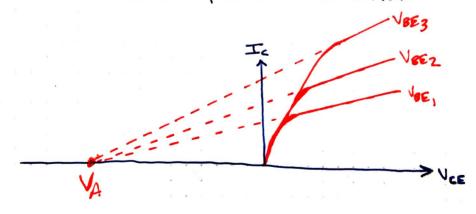


- VARY THE R2 TO CHANGE VOLTAGE AT Q2 COLLECTOR
- NOTE CHANGE IN CHERENT ON AMMETER MI

THE EARLY EFFECT



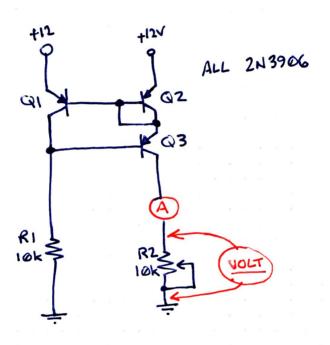
- INCREASE IN IC AS VOE IS INCREASED
- DUE TO NARROUMUL OF BASE WIOTH WITH INCREASED COLLECTOR EMITTER VOLUME
- -GENERALLY WORSE ON PHP VE NAN



VA IS EARLY VOLTAGE. ALWAYS GIVEN AS POSITIVE

W2AEW

THE WILSON CURRENT MIRROR (TO THE RESCUE)



- SAME EXPERIMENT NARY RZ (LOAD VOLFAGE)