

4.5 Biasing in BJT Amplifier Circuits

Reading Assignment: 280-286

Now let's examine how we DC bias MOSFETs amplifiers!

If we don't bias properly, distortion can result!

EXAMPLE: MOSFET AMPLIFIER DISTORTION

There is a classic bias circuit for MOSFET amplifiers; let's see what it is!

HO: MOSFET BIASING USING A SINGLE POWER SUPPLY

Let's do an example DC bias design.

EXAMPLE: BIASING OF DISCRETE MOSFET AMPLIFIERS

We can also use a DC current source to bias the Amplifier.

Q: *Yes, but just how do we construct a current source?*

A: HO: THE MOSFET CURRENT MIRROR

HO: CURRENT STEERING CIRCUITS

HO: MOSFET BIASING USING CURRENT MIRRORS

EXAMPLE: MOSFET BIASING USING CURRENT MIRRORS