

## 5.5 Biasing in BJT Amplifier Circuits

Reading Assignment: 436-442

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

HO: A GRAPHICAL ANALYSIS OF BJT AMPLIFIERS

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

EXAMPLE: AMPLIFIER DISTORTION

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

HO: DC BIASING USING A SINGLE POWER SUPPLY

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

HO: BJT BIASING USING A CURRENT SOURCE

Let's do an example DC bias design.

EXAMPLE: SINGLE-SUPPLY DC BIAS