

*Lecture 06 -- Bipolar Junction Transistors Redux, Biasing and PNP*

Which way does the arrow point in a PNP transistor, and which arm is it on?

Draw a large signal model for a PNP transistor in saturation and forward active modes

When you're building a biasing circuit for a BJT device what variable do you usually try to control? Draw a circuit that does this.

Can you use a voltage divider formula when biasing a BJT base with two resistors?

What's a typical way to get small signals into a biased BJT? What's the mid-band?

Draw a small signal model for a PNP transistor. How did you derive each value?

What is the reverse active region? What does BJT breakdown look like? Consider a graph.