

E151 Lecture 9 Handout

How is a_v in a common emitter related to the dropout across the collector resistor? (And what is the dropout across a collector resistor?)

Draw a multistage amplifier model

What are r_{in} , r_{out} and a_v for a multistage amplifier

Draw an emitter follower and list two common uses of the amplifier.

What is r_{in} of an emitter follower?

What is a_v of an emitter follower? How does it relate to the emitter follower's total signal model?

What is r_{out} of an emitter follower? Why is it characteristic of the Thevenin resistance we see looking into an emitter?