

Lecture 21 -- More Differential Amplifiers

How do we measure A_{dm} and A_{cm} ?

Is the emitter coupled pair we're looking at AC coupled or DC coupled? Is that appropriate for op-amps?

What is i_{bias} of the emitter coupled pair?

What is the common mode input range of the emitter coupled pair? Differential mode?

Draw an abstract amplifier model that includes an input offset voltage and an input offset current.

What's the easy way to take a single ended output from an emitter coupled pair? A better way?

What's the voltage gain of a current mirror loaded emitter coupled pair?

What's the output impedance of a current mirror loaded emitter coupled pair?

What is the input range of an emitter degenerated emitter coupled pair?

How do you make differential half circuits when the small signal ground is inside an element?

Do small signal differential signals have the same bandwidth as small signal common signals?