ECEN 350 – Equation Sheet 2 (12/27/2024)

A close-up of a paper

Description automatically generated

A diagram of a current flow

Description automatically generated

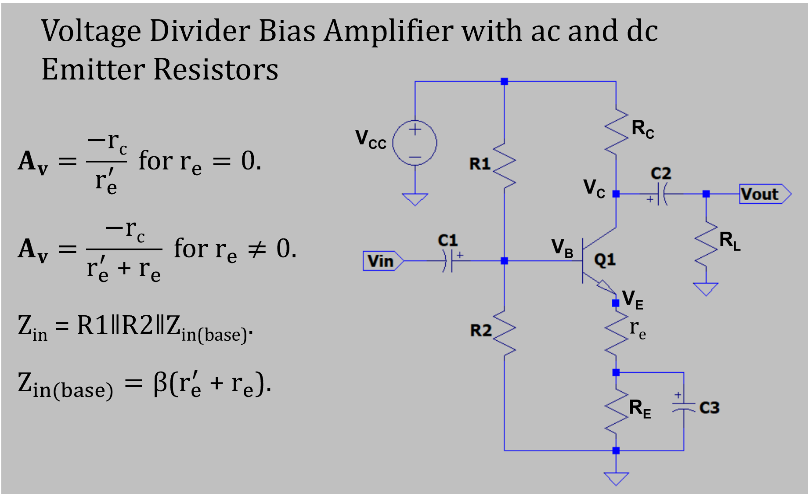
A diagram of a circuit

Description automatically generated**Good coupling: XC < 0.1R,** where R is the equivalent input or output resistance, with

**Good bypassing: XC < 0.1R,** where R is the equivalent resistance of the parallel element to short out for ac signals.

A black text on a white background

Description automatically generated



A diagram of a power amplifier

Description automatically generated

A graph of a function

Description automatically generated with medium confidence

CMOS Dynamic Power Dissipation:

Voltage, NSW is the number of nodes switching and f is the switching frequency.

the n-channel transistor and Wp is the relative width of the p-channel transistor.