

4.6 Small-Signal Operation and Models

Reading Assignment: *pp. 287-294*

Recall the **small-signal analysis** we performed on a junction diode.

We can do a similar analysis on MOSFET amplifiers in order to determine their **small-signal gain** !

Remember there were essentially **three** steps:

1.

HO: Small-Signal Response of MOSFET Circuits

HO: Small-Signal Output Resistance

2.

HO: The MOSFET Small-Signal Model

3.

HO: Steps for Small-Signal Analysis

Example: A Small-Signal Analysis of a MOSFET Amp

Example: Another Small-Signal Analysis of a MOSFET Amp