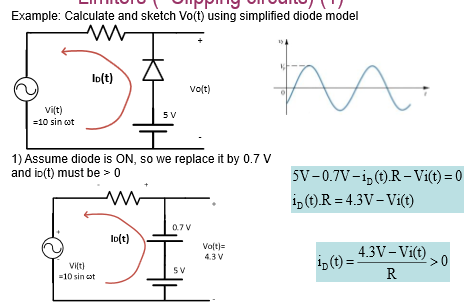
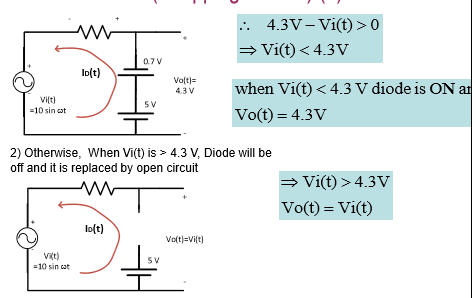
**ENEE2103- Circuits and Electronics lab**

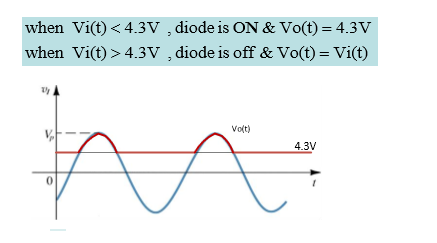
**Electronics Theoretical Background Summary**

1. **Diode Applications**

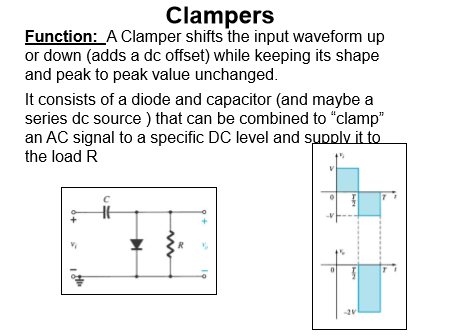
* **Clipper-Limiter**

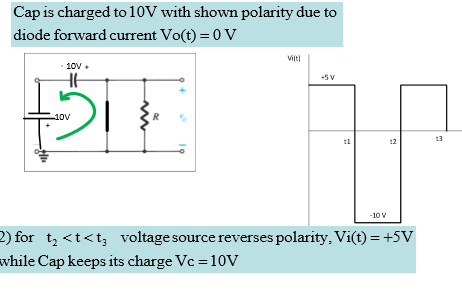
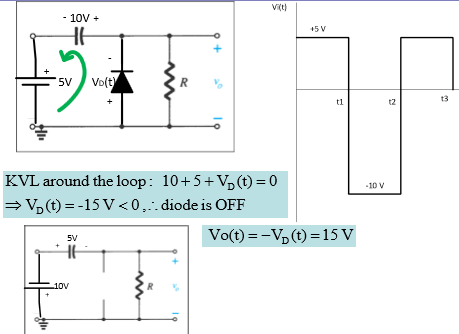


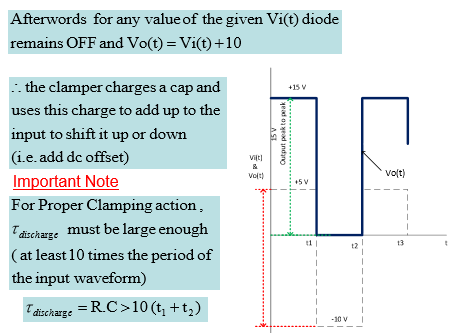




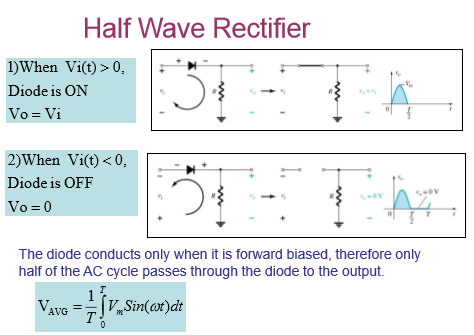
* **Diode Clamper**

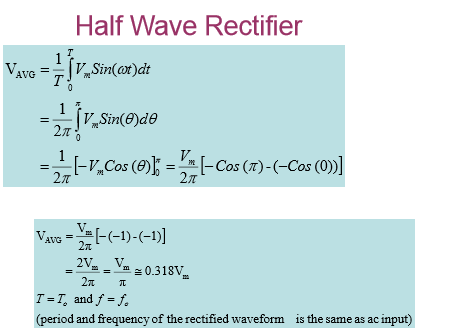


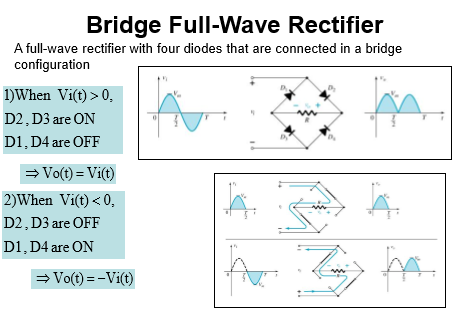


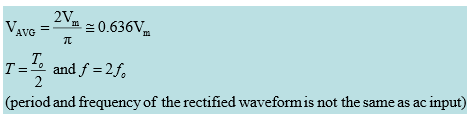


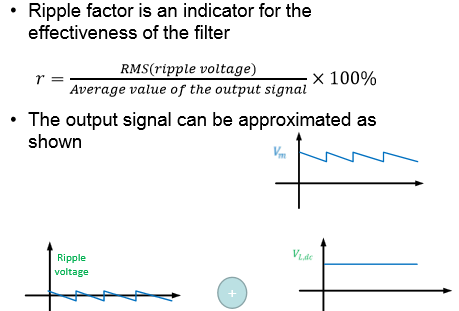
* **Diode Rectifier**

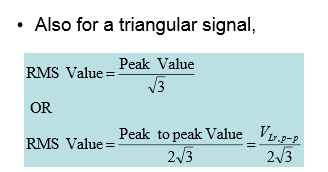




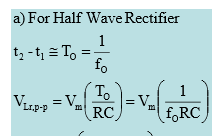


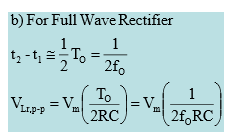


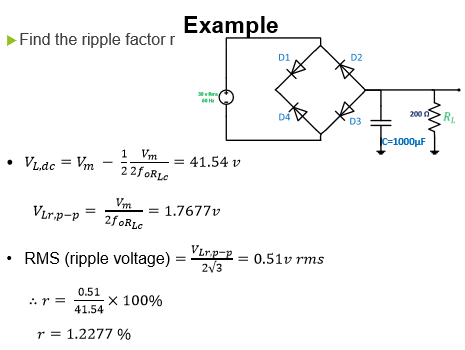




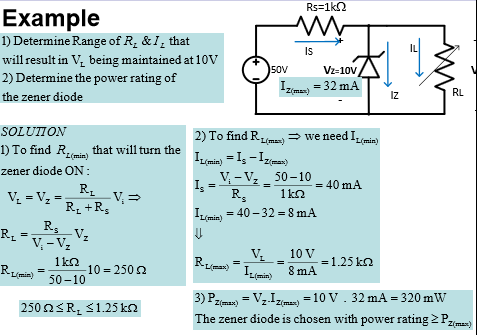


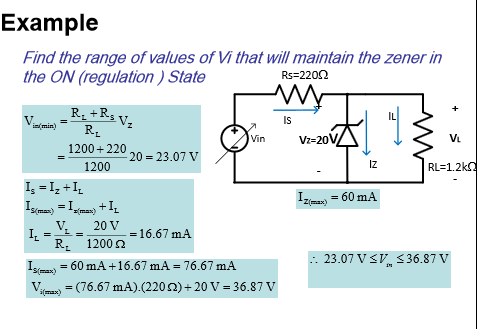




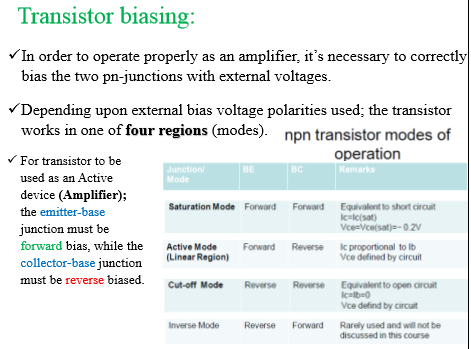


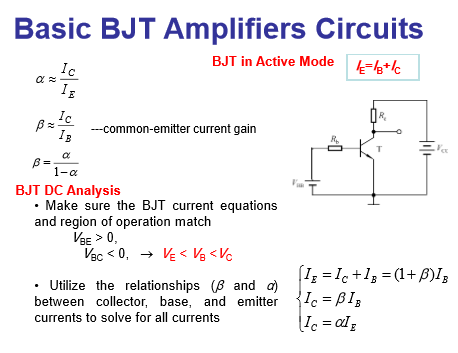
* **Zener Diode VR**

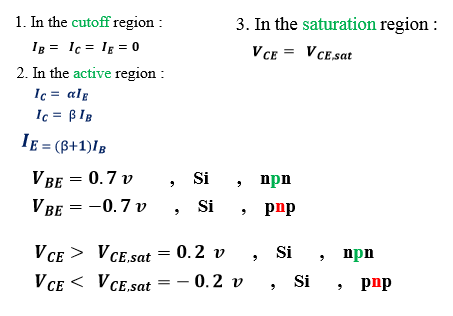


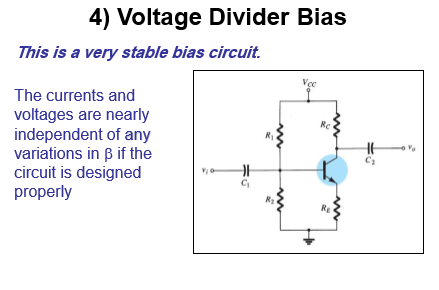


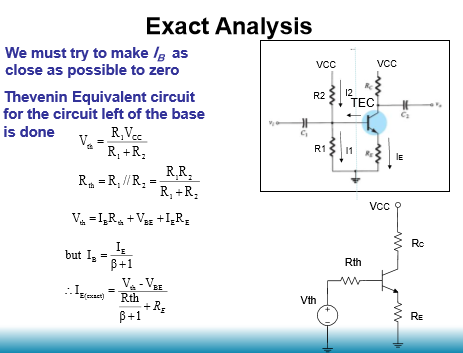
1. **BJT dc analysis**



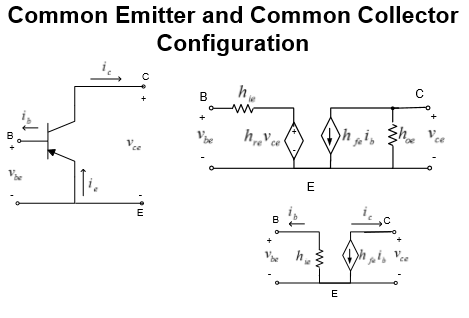


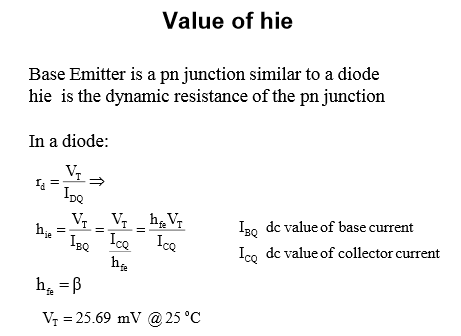


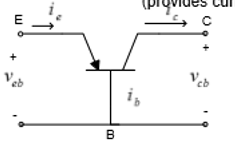
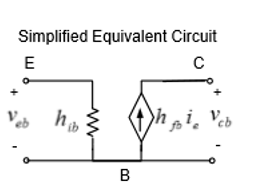


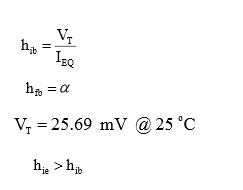


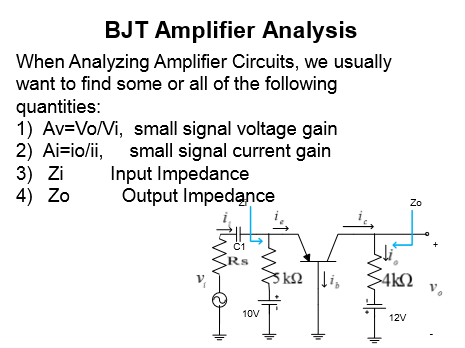
1. **BJT amplifier ac analysis (Common Emitter, Common Collector, Common Base)**

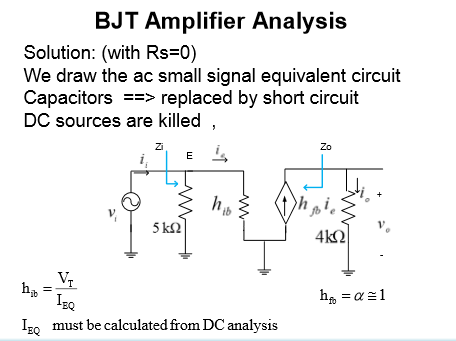


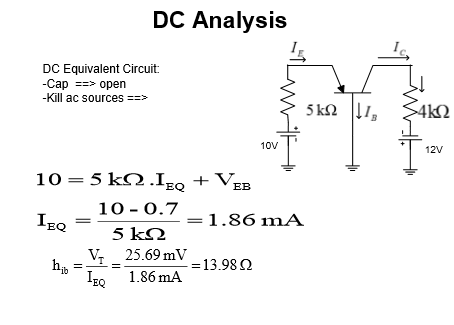


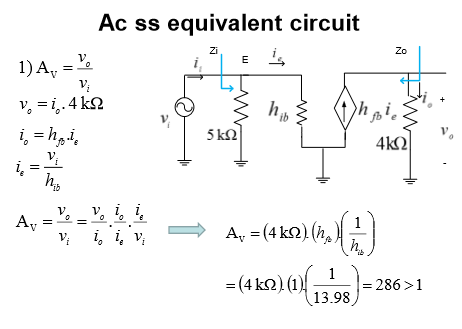
 

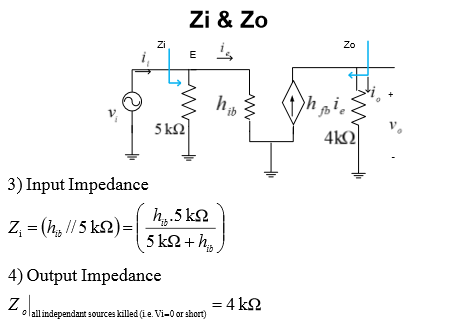


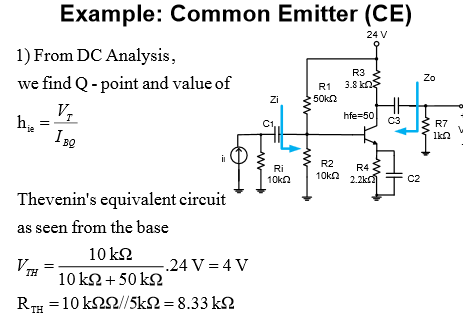


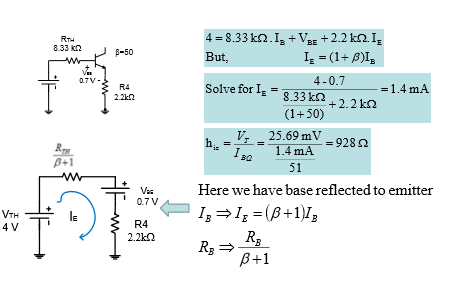




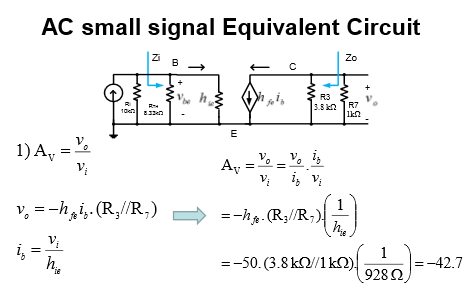


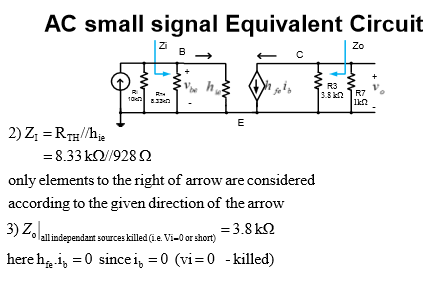


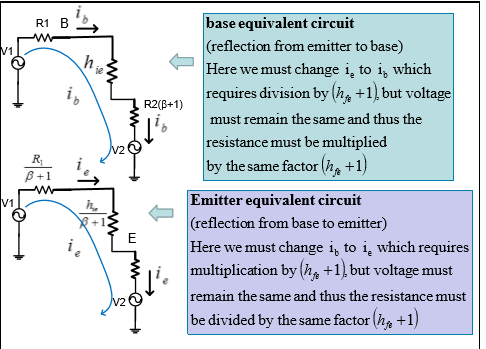


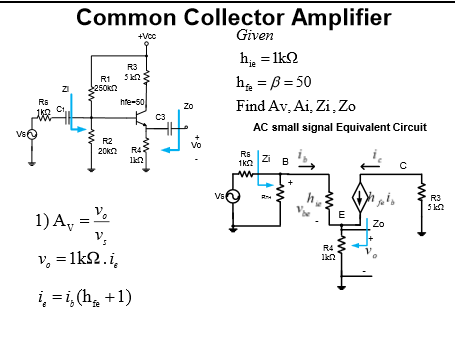


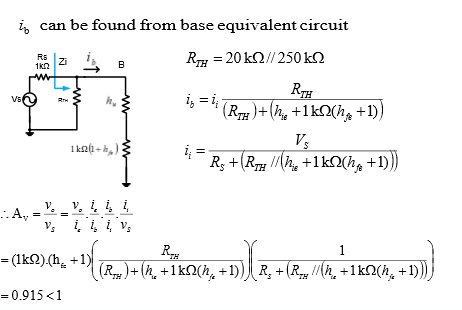


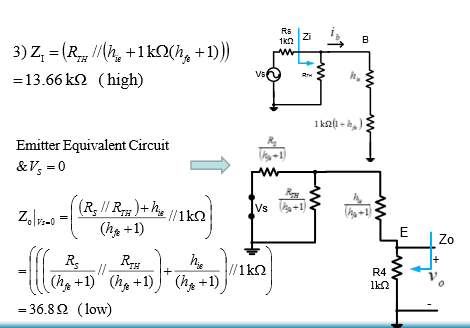




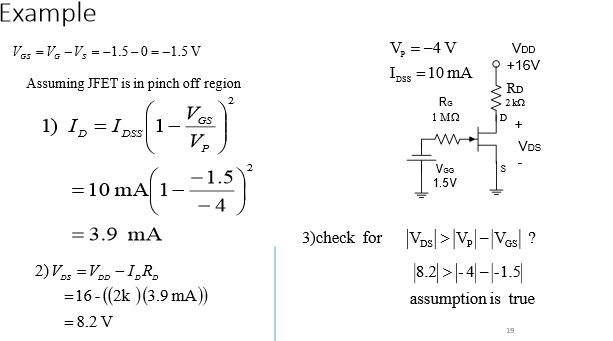


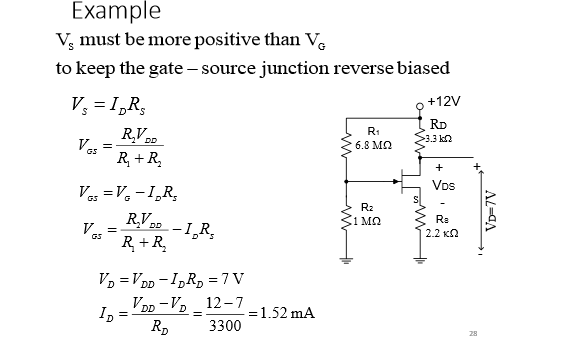


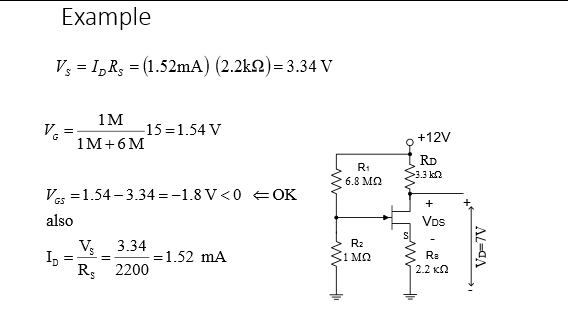


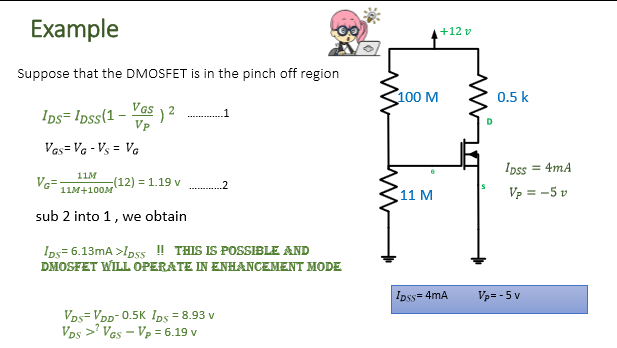


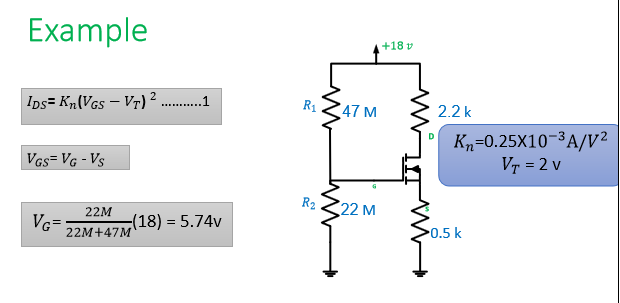
1. **FET dc analysis**

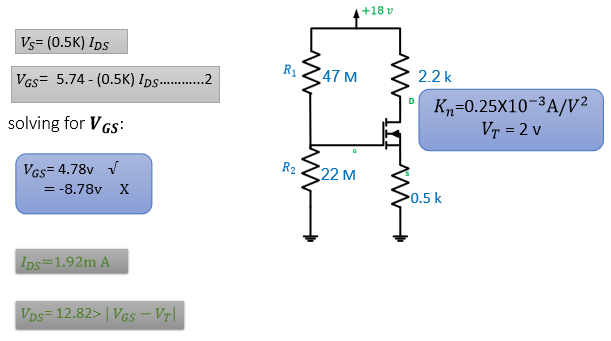




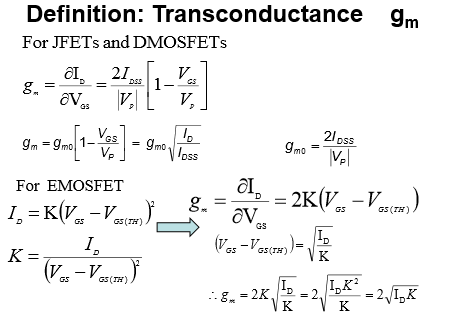


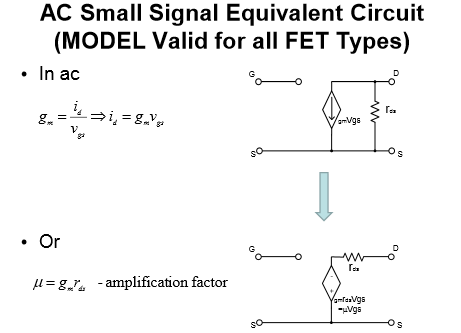


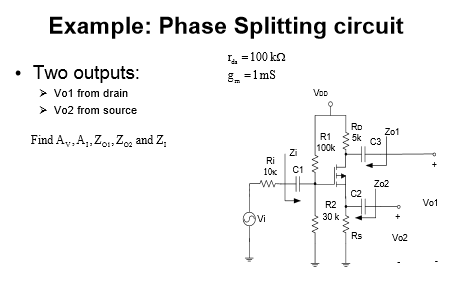


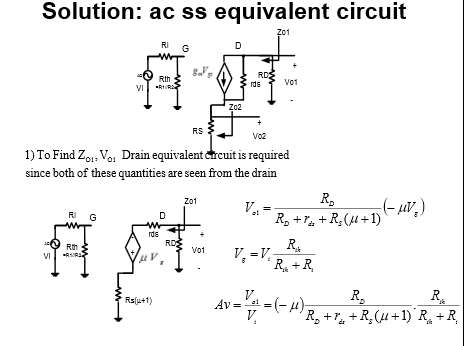


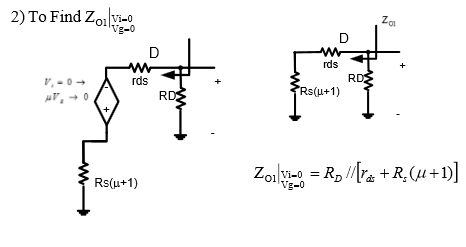
1. **FET amplifier ac analysis**

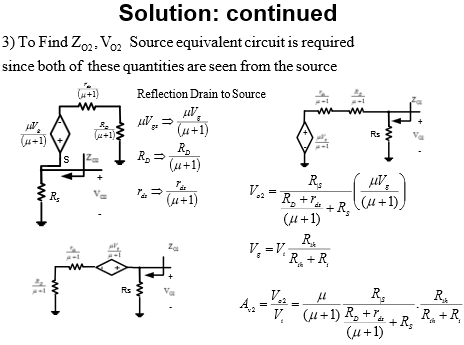


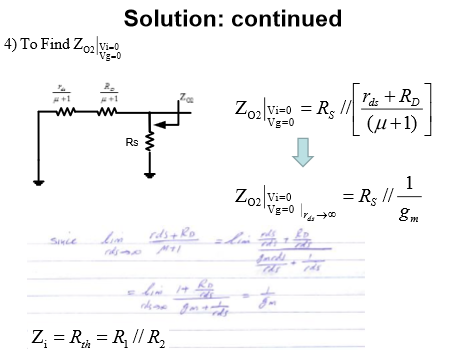




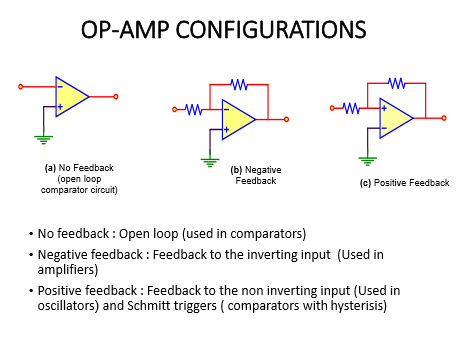


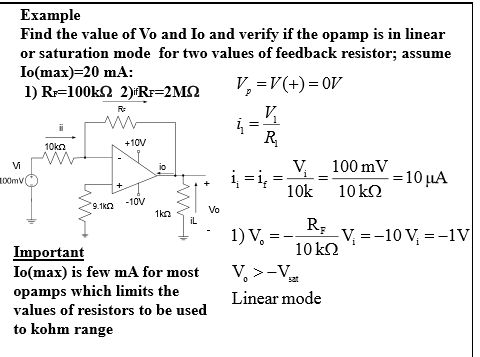


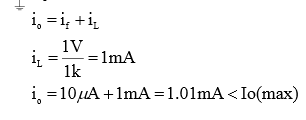


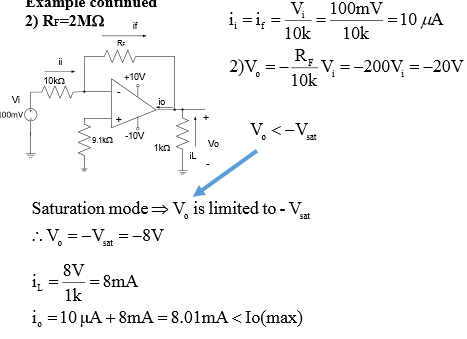


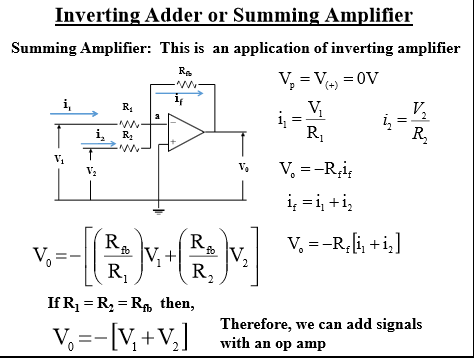
1. **Op-amp circuits**

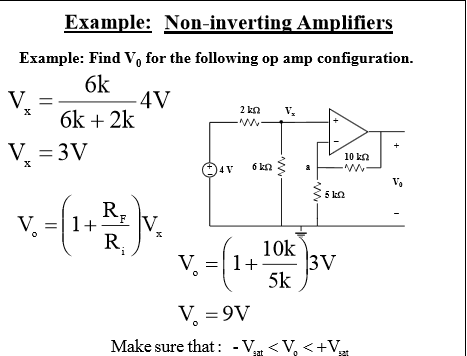


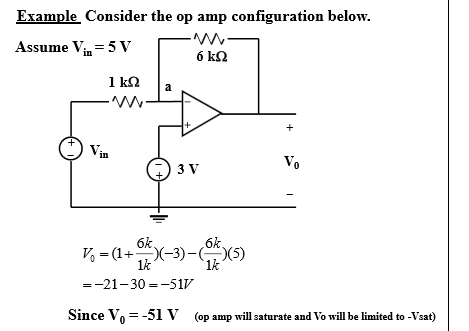


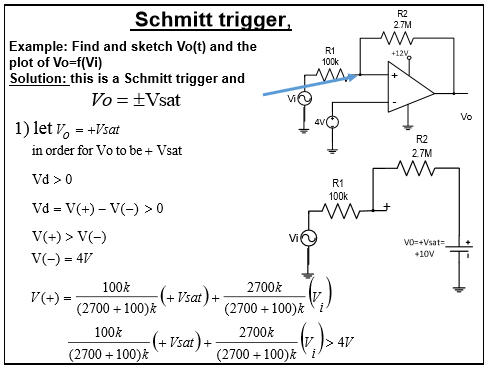


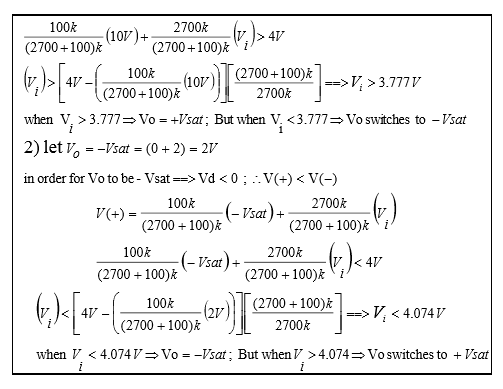


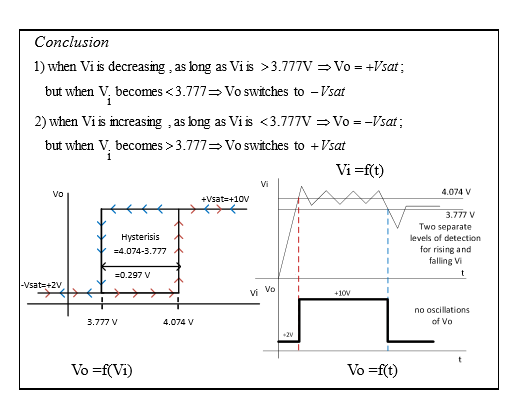


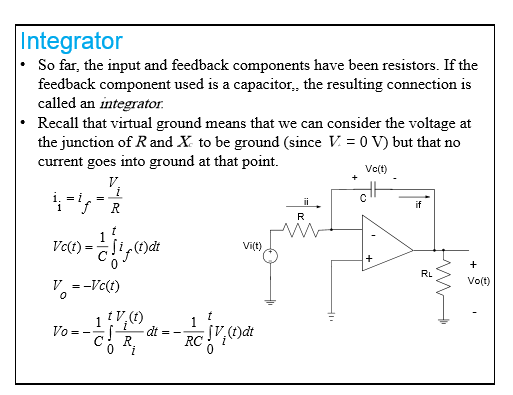


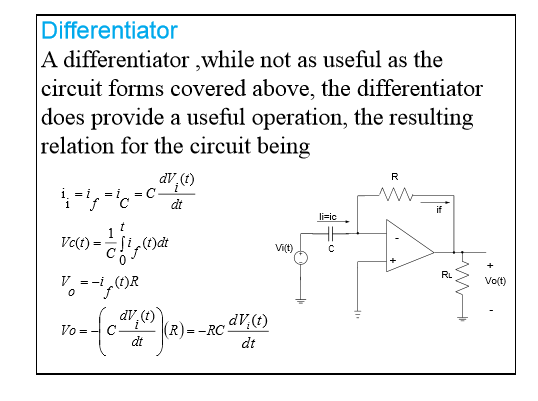


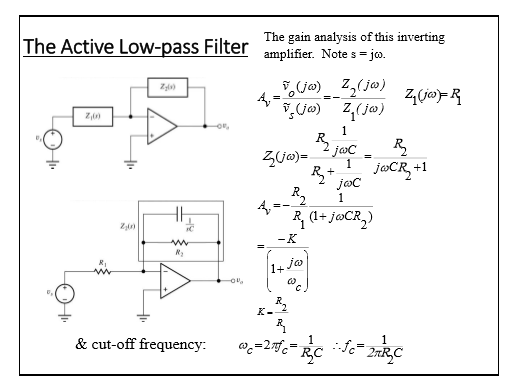


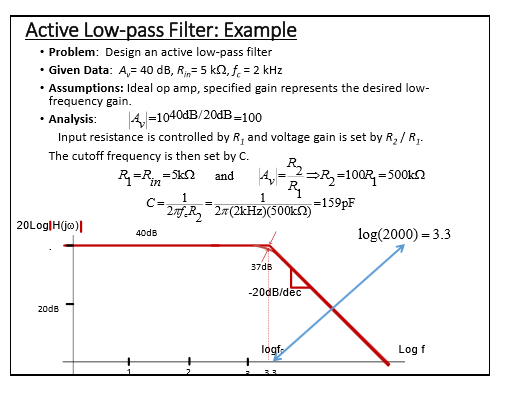












1. **Voltage regulator circuits**

