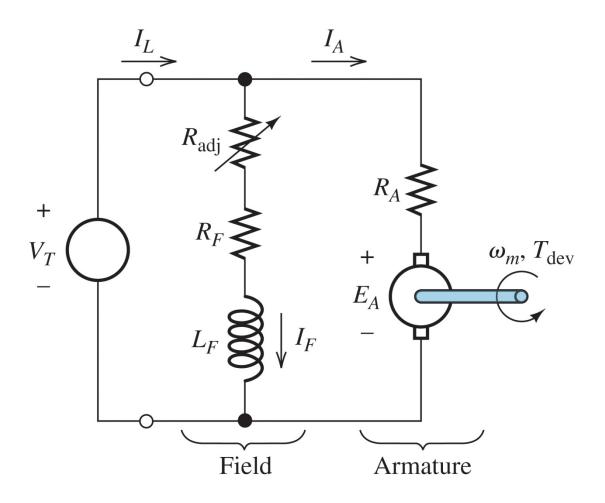
EELE 250: Circuits, Devices, and Motors

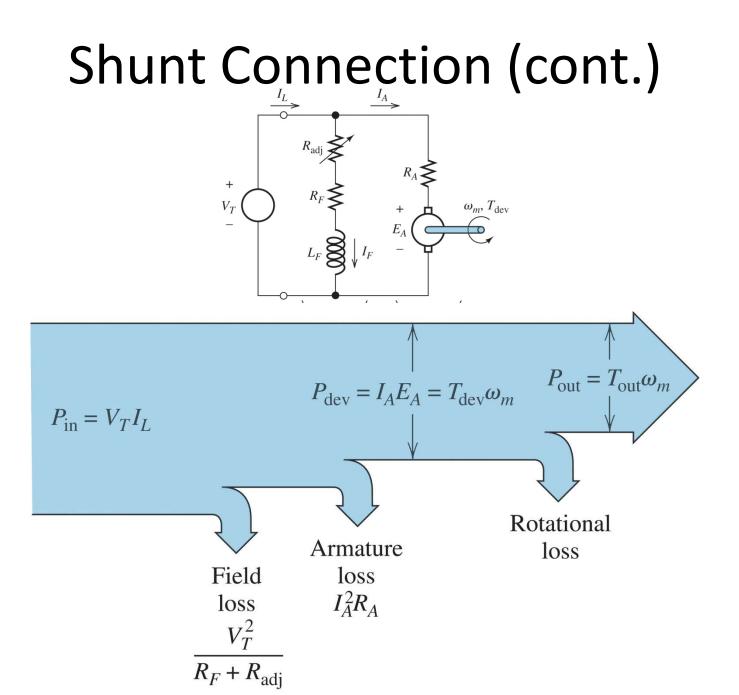
Electric Motors

Assignment Reminder

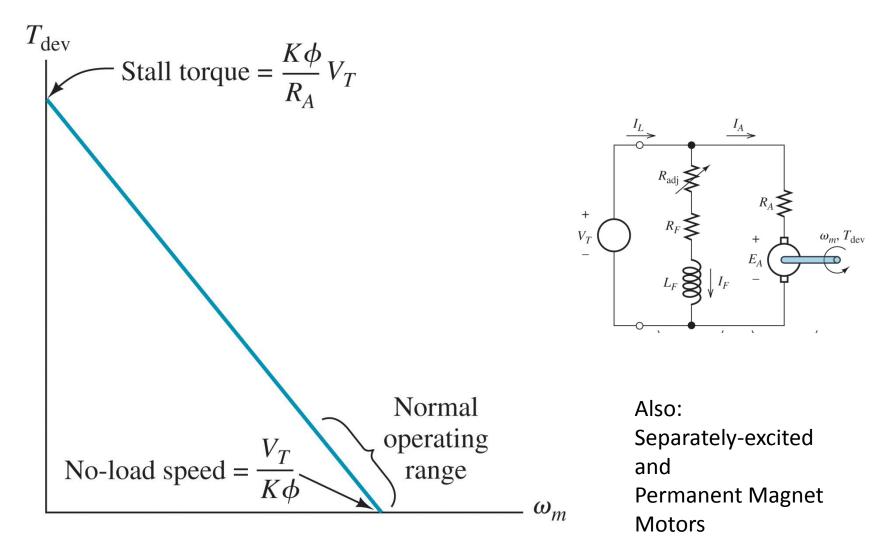
- No lab this week or next week.
- Lab #9 (last) will be the last week of class.
- Quiz #9 will be posted later this week (due by class time on 11/25/13).
- Final Exam on Tuesday, December 15, 8AM
 - Comprehensive coverage
 - Three handwritten sheets of notes
 - Calculator and pen/pencil

DC Motor: Shunt Connection

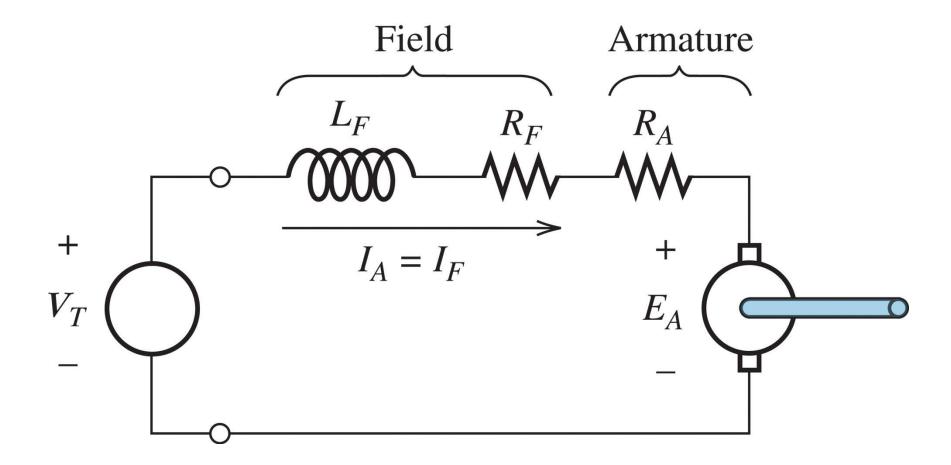




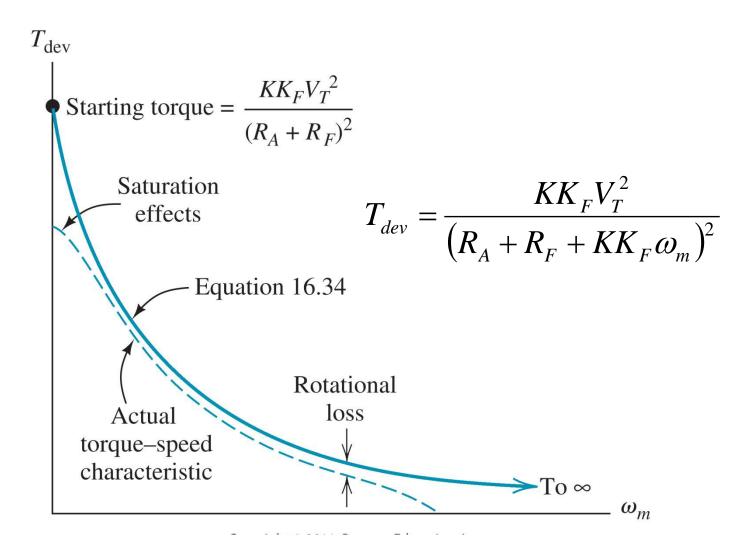
Shunt Connection (cont.)



DC Motor: Series Connection



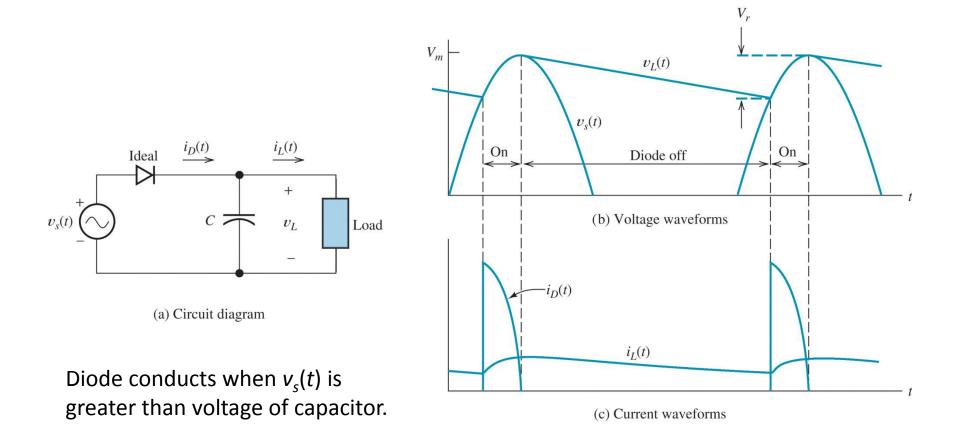
Series Connection (cont.)



Converting AC to DC

- Rectifier concept: diodes
- Half-wave rectifier
- Full-wave rectifier

Half-wave rectifier



When diode is "off," capacitor supplies current to load.

Full-wave rectifier

