My name is Mike Gentile.

(you can call me "Mike")

Mellongentile Ophysics rutgers edu

Physics 194 - Lecture 9

Have a question during class? Please ask it right away, even if it means interrupting in the middle of a thought. I want you to!

Agenda

- The magnetic force, quantitatively

- The magnetic held produced by currents @2:15 pm

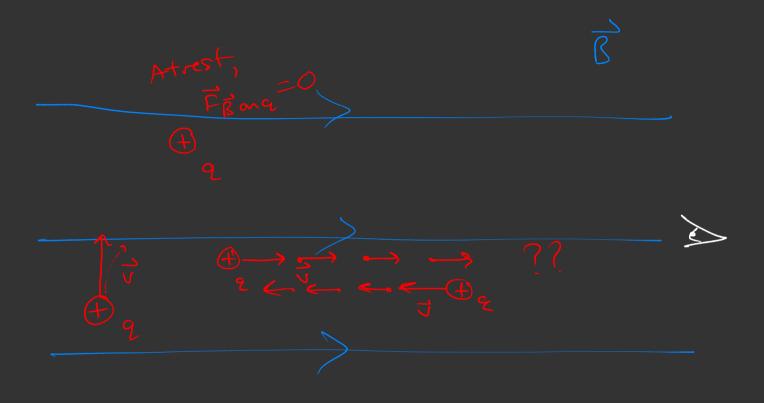
- The mass spectrometer

- The Hall effect (if there's time)

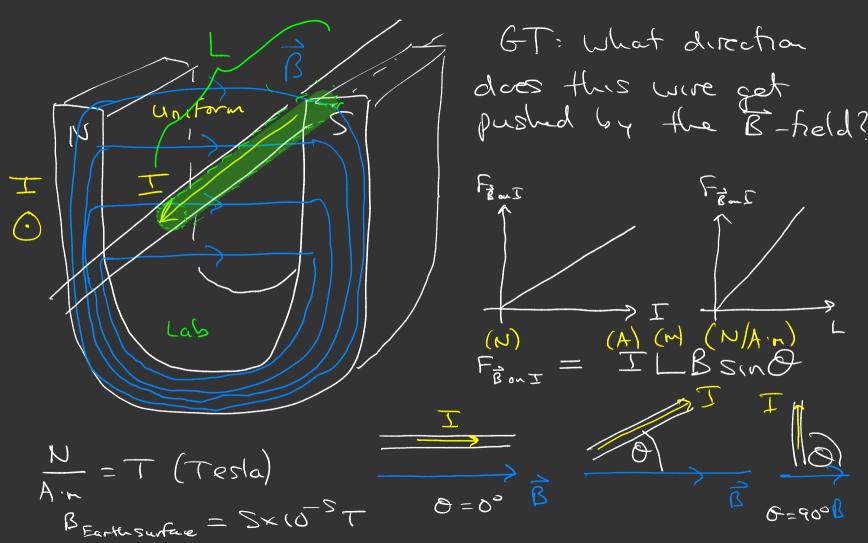
Class Starts @2:15 pm

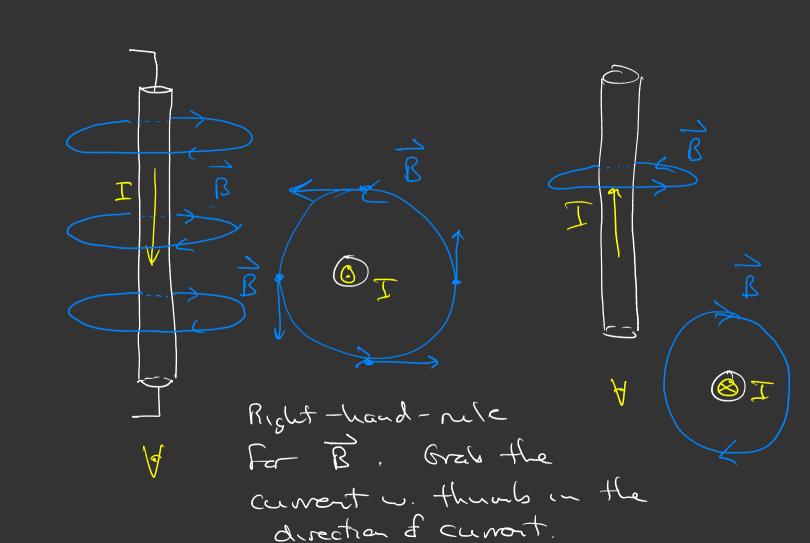
When the current no longer pointed north! Electric currents
produce a magnetic
field! Findamentally, a morning charged object produces a magnetic freld!

we need to start investigating the maquetic interaction.



Right hand rule Fugers





What about the B-field produced by a coil w. a current in it?