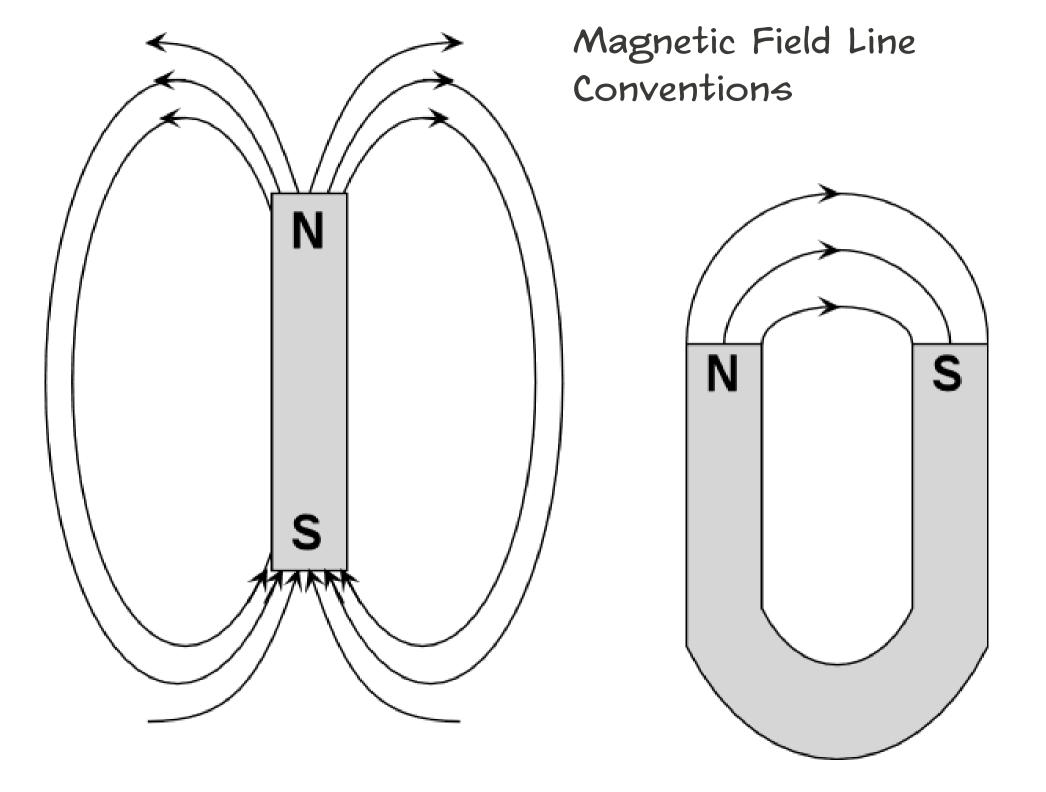
MAGNETIC FORCE: THE BIOT-SAVART LAW

Prof. Stephen Sekula 10/18/2010 Supplementary Material for PHY1308 (General Physics -Electricity and Magnetism)

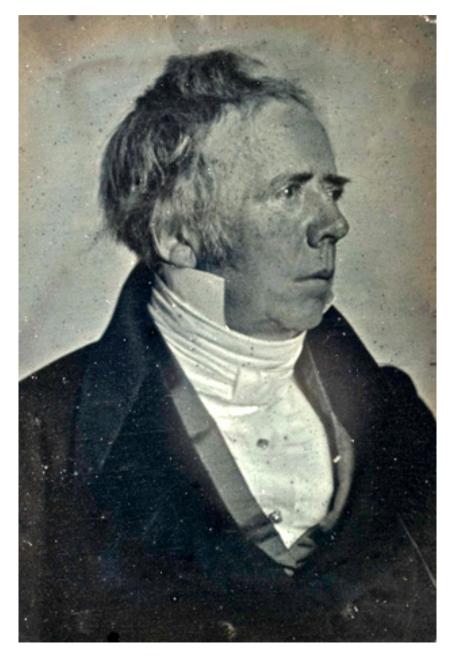
ANNOLINCEMENTS

- Homework 8:
 - Will be sent around by the end of the day
- Next Exam
 - Friday!
 - Review tomorrow (Tuesday) night

- 7-8pm, FS157



HANS CHRISTIAN OERSTED



1777-1851

Danish physicist and chemist.

Observed in 1819 that an electric current caused a compass needle to deflect. This observation caused quite a stir. Electricity and magnetism were related phenomena.

CROOKE'S TUBE DEMONSTRATION



http://www.youtube.com/watch?v=_BOo8110Ji8

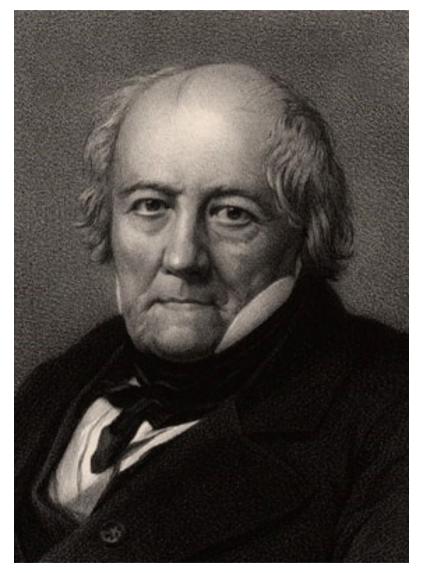


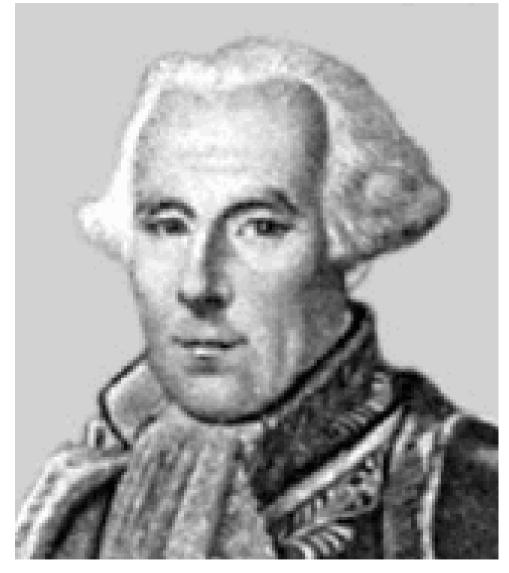
http://www.youtube.com/watch?v=hX7TKEBGUXk



http://www.youtube.com/watch?v=tUCtCYty-ns

BIOT AND SAVART





Jean-Baptiste Biot 1774-1862

Felix Savart 1791-1841



http://www.youtube.com/watch?v=43AeuDvWcOk