

# APPLICATIONS OF AMPERE'S LAW

Prof. Stephen Sekula

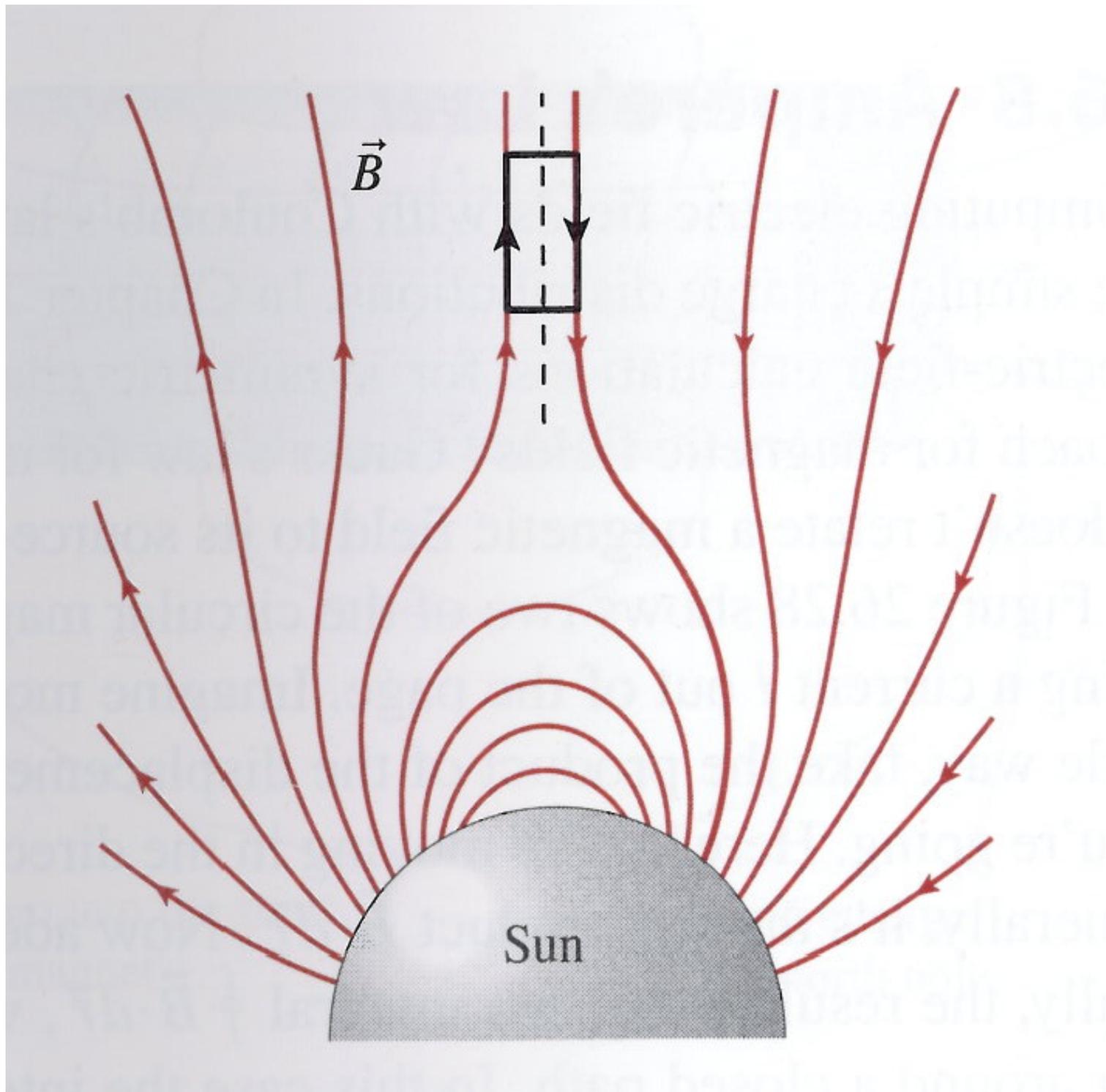
11/1/2010

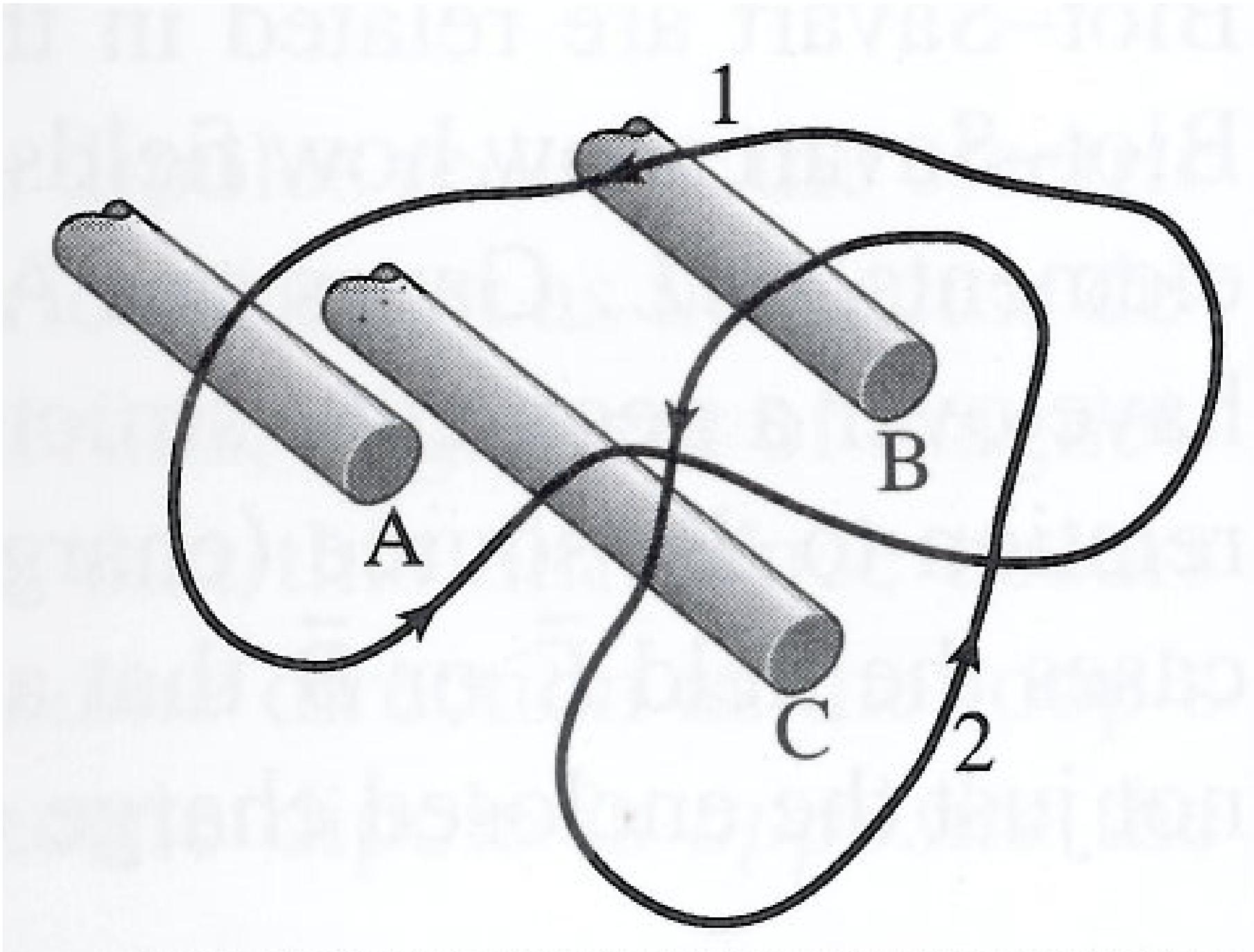
Supplementary Material for  
PHY1308 (General Physics -  
Electricity and Magnetism)

# ANNOUNCEMENTS

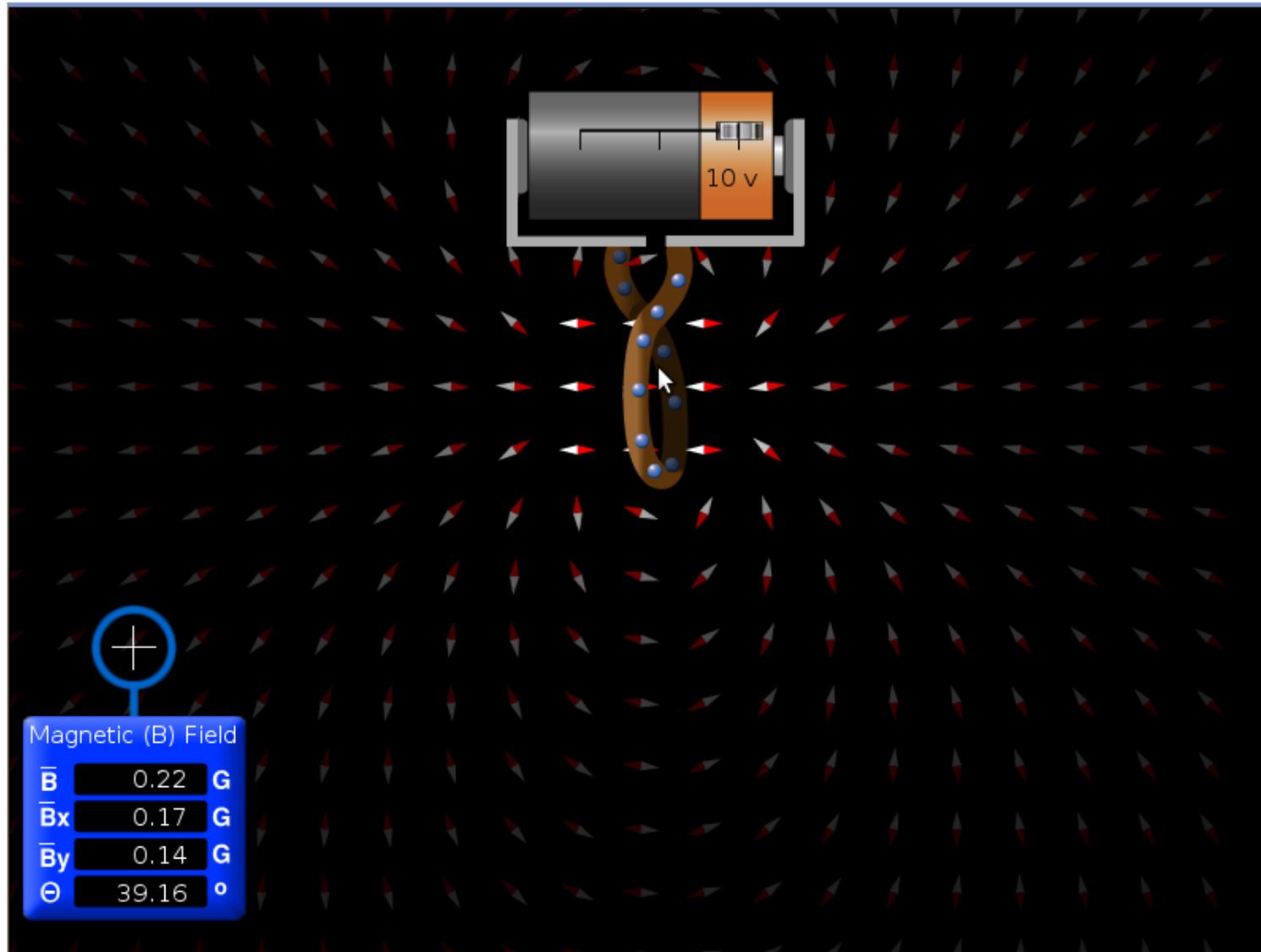
- Homework 9:
  - Due Today at 5pm
  - Covers CH26.6-CH26.8
- Next Quiz
  - Friday, in-class
  - Covers Homework 9







# DEMONSTRATION: ELECTROMAGNETS

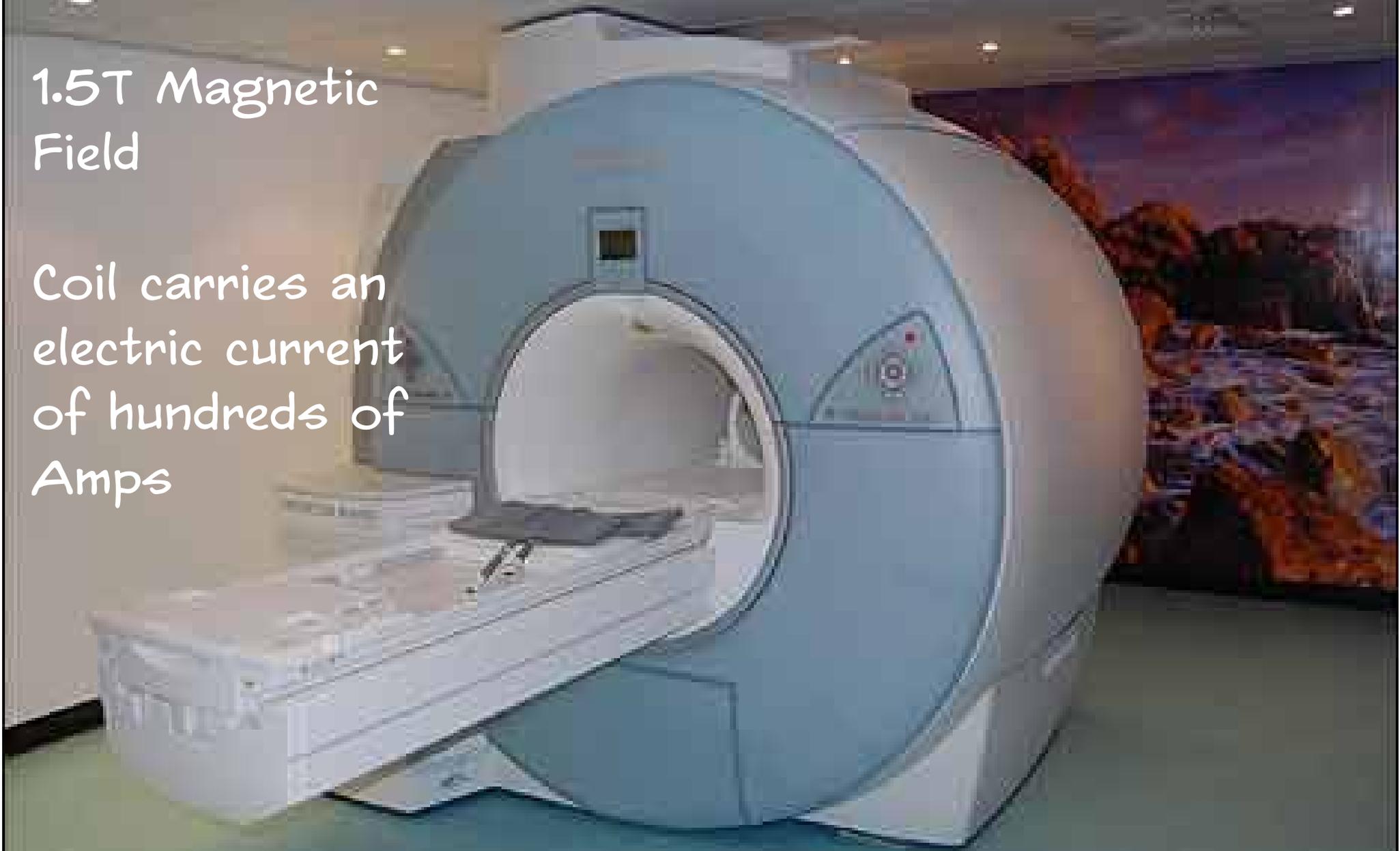


<http://phet.colorado.edu/en/simulation/magnets-and-electromagnets>

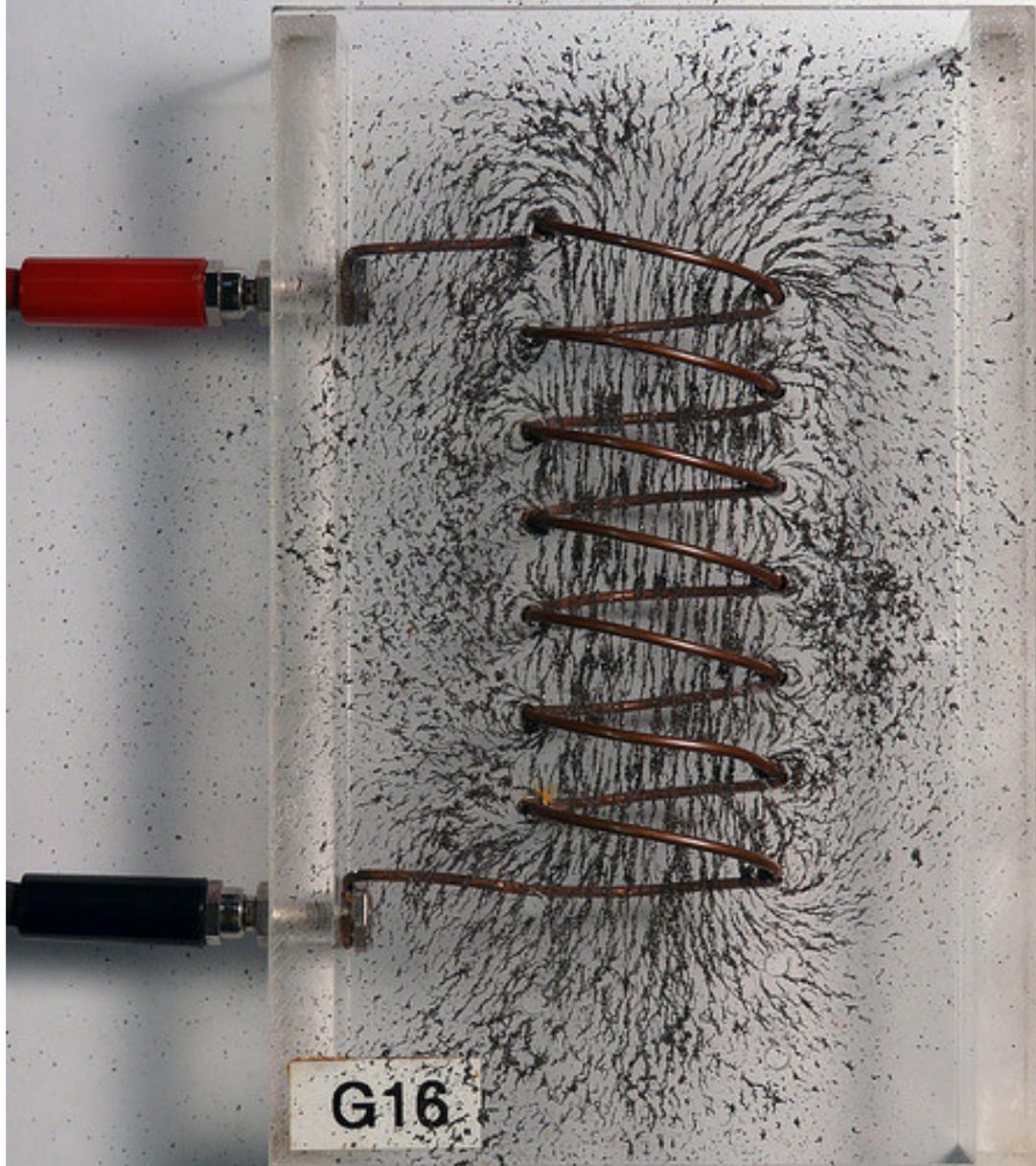
# *MRI Scanner*

1.5T Magnetic  
Field

Coil carries an  
electric current  
of hundreds of  
Amps



Solenoid



Bar magnet

