

HW 7 – Magnetic Fields

Due October 16, 2009, 5 pm

All problems are from Griffiths, Chapters 5.

1. Problem 5.9 (p. 219). [Use superposition.]
2. Problem 5.10 (p. 220).
3. Problem 5.13 (p. 231).
4. Problem 5.16 (p. 231).
5. Problem 5.25 (p. 239).
6. Problem 5.46 (p. 249).
7. Problem 5.55 (p. 252). (This is very similar to what happens to the Earth or Jupiter in the Sun's magnetic field. The main difference is that the Sun's field is not constant, but is streaming past the planet, carried by the solar wind.)