

Physics 161, spring 2015

HW # 9

Due Wednesday 15 March by the end of the day.

This week's problems are all from Chapter 9: Maxwell's Equations and Electromagnetic Waves. This material is at the core of all knowledge of electricity and magnetism. Problems 1 – 4 have answers in chapter 12, but make sure to try to solve them on your first.

- 1. PM 9.1.**
- 2. PM 9.3.**
- 3. PM 9.5.**
- 4. PM 9.10.**

- 5. PM 9.14**
- 6. PM 9.15**
- 7. PM 9.20**

- 8. PM 9.22**
- 9. PM 9.30**
- 10. PM 9.32**