

Self-Directed Project 6 – Electromagnetic Waves

Due 01 December, 2009, 5 pm
Worth: 15 pts toward final grade

Read sections 9.1-9.3 in Griffiths. Chapters 18 and 20 in Feynman, Vol II will also be useful.

1. (6 pts) Complete Griffiths, problem 9.32 (p. 412).
2. (6 pts) Complete Griffiths, problems 9.34 and 9.36 (p. 413). (See examples worked out in section 9.3.2 for ideas.)
3. (3 pts) Complete Griffiths, problem 9.17 (p. 392). Make sure to explain what your three answers mean.