PHYSICS 656

Home Work Assignment # 6 02/9/2007

Due: In class: Thursday, Feb. 15, 2005

All the problems are from the text book by Griffiths.

1. Problem 7.15
2. Problem 7.18
3. Problem 7.20 (Hint: start with the result of Example 5.6).
4. Problem 7.21 (Hint: exploit the symmetry of mutual inductance).
5. Problem 7.25

Note: This HW is due in class on Thursday morning: 8:30 AM, 2/15/2007. I will hand out solutions and discuss them as part of the review for the mid-term in class.

Reminder: Mid Term # 2 on Friday, February 16
The test will cover: Chapter 6; Chapter 7 (up to and including Section 7.2.3, i.e., up to page 316) and the basic ideas of Chapter 5 needed for these Sections.