

Physics 106c  
Problem set number 11  
Due Wednesday, April 21, 1999

**Notes about course:**

- Reminder: Old homeworks may be retrieved, and new homeworks turned in, in room 335 Lauritsen.
- Collaboration policy: OK to work together in small groups, and to help with each other's understanding. Best to first give problems a good try by yourself. Don't just copy someone else's work – whatever you turn in should be what you think you understand. Don't look at solutions from earlier year(s), though you can ask people who took it before for advice.
- Text: *Classical Electrodynamics* (third edition), by J. David Jackson.
- The graders are the same as last quarter:

Yi Li	lym@its.caltech.edu	Tue 4-5	176 Watson
Chiyang Luo	chiyan@cco.caltech.edu	Sun 3-4	229 SFL
Federico Spedalieri	federico@cco.caltech.edu	Mon 4-6	201 Synchrotron
- Late policy: If you need to turn an assignment in late, get an OK from either me or from one of the TAs, and put a note on the late assignment saying that you got the OK. You should normally get the OK before the due date, but I'll be flexible if you are ill, or if there is an unexpected emergency.

If you turn in a late assignment without an OK, it is up to the discretion and mercy of the grader. Probably they'll subtract credit, or, if it is really late, they may not accept it at all.
- Web page: I'll try to put problem sets on a web page, with URL:  
<http://www.cithec.caltech.edu/~fcp/ph106/>

Reading: Finish Jackson chapter 4, Sections 3-7. Also, chapter 5, sections 1-5.

- 59. Jackson problem 4.8.
- 60. Jackson problem 4.9.
- 61. Jackson problem 4.11.
- 62. Jackson problem 4.13.
- 63. Jackson problem 5.1