

Physics 106C: Electromagnetism  
Homework 1: Boundary Value Problems: Spherical Harmonics

**DUE: Thursday, April 12 2001**

Remember: Late homework will be granted 50% credit UNLESS PRIOR ARRANGEMENTS ARE MADE WITH ME OR A TA. If you have an extension, please indicate who granted it clearly on the top of the paper OR YOU WILL NOT GET FULL CREDIT. Note that for the rest of Phys106, you must solve integrals analytically, or by looking them up in a table, but you may not use Mathematica.

Reading Assignment: Jackson Chapter 3.1 – 3.7, 3.9 – 3.10

Do Jackson problems 3.1, 3.2, 3.3, 3.6