

## Assignment #1

Due *Thursday, 8 September, 2005.*

**I.** Please read chapter 12 of the textbook RILEY, HOBSON, & BENICE (*Mathematical Methods for Physics and Engineering*, 2nd ed. Cambridge University Press 2002). The first week's lectures and the second homework assignment will be based upon this chapter.

**II.** Beyond the above reading, this first assignment is entirely review. Please read chapters 3 and 4, which should be *substantially* familiar. (You are definitely assumed to be pretty comfortable with the contents of chapters 1 and 2, but you might want to browse those too.) **Do exercises**

**3.12, 3.19, 3.22, 4.1, 4.9, 4.30, 4.33.**