

### **Extra Credit Assignment 1**

Using the computers in various computer labs throughout the university and COEN (e.g, ET 239), use Mathematica to work through:

- Mathematica “Getting Started” (Mathematica 7)
- The examples in “Appendix I – Mathematica Quick Review” from the book "Quantum Methods with Mathematica" by James M. Feagan (Springer, 2002) [ISBN: 0-387-95365-5] provided in class.
- From “Chapter 0” of the book “A Mathematica Companion for Differential Equations” by Selwyn Hollis (Prentice Hall, 2003), [ISBN: 0-13-046329-9] provided in class.
  - Do the examples in Chapter 0.3 Functions (not the Piecewise-Defined Functions) and Chapter 0.4 Equations.

Worth 3 to 5 points towards Problem Set 1. Depends on grader.