MATLAB Assignments

After the first assignment, you will work on in groups the problems in *Differential Equations with MATLAB*®. (No more than three students to a group, please!) Prepare the MATLAB homework in the form of a published M-file (see *Differential Equations with MATLAB*® §4.4.3 and 4.4.5) and print it out (with all the input, output, and graphics). A homework group should submit only one copy of a MATLAB assignment, and all members of a homework group will receive identical grades for that assignment. The names of all the members of the group must be typed in a text cell in each solution M-file.

Here are some tips.

- Look at the complete solutions in the book to see what your solutions should look like.

- Start early.

- Plan to work on the problems starting three or four days before the assignment is due (about a week before if it is a two week assignment). Begin a problem by reading it carefully and thinking about the issues.

- When you get stuck on one problem, go to the next one.

- After this first session, think about the problems, read over your work, find your gaps, mistakes, etc., and figure out how to fill in the missing parts. A few days later, go back to the computer. Make sure your answers are well-written as well as correct.

- Save your work often.

- Use lots of cells. This will make your work much more readable.

- Be sure you answer ALL the parts of each question.

- Be sure you answer ALL implied questions.

    - If you solved a problem more than one way, compare the solutions.
    - Is your solution reasonable? Explain how you know.
    - Is there anything unusual, weird, striking, ... about what you found? Be sure to comment on it.

- After Problem Set A, use a separate solution M-file for each problem. Staple all the problems together in the correct order.

- If you run into a problem and send me an email requesting help, be sure to attach the solution M-file. I'm not very good at figuring out what to do about the problem if all you send me is a MATLAB error message.