

Guidelines for the Paper

This project will be a group effort with each group submitting a single paper.

The paper describing your findings should include:

- (a) A short introduction describing the problem,
- (b) A section for each of the 3 steps (and sub-steps) of the problem outlined above. Describe the process by which you arrived at each of your solutions. While you should do your matrix calculations and numerical solutions in Matlab, show your starting equations (describing how they were developed), describe your approach to coding your work in Matlab, and show the 4 scalar first-order equations that model the structure, the equivalent matrix equation, the vector solution and the scalar solutions functions.
- (c) Citations of any references used.
- (d) Your Matlab code in an appendix. (Do not incorporate your code into the body of the paper and don't substitute code for your descriptions and equations.)

I will ask you for input on your group work and the contributions of your teammates online.

Your paper should provide a linear progression of thought and work understandable by someone "skilled in the art" without the need to reference outside sources including this problem statement.

Make sure your plots are labeled with a graph title, axes titles and scales and a legend identifying the various curves in each plot.

All members of your group should review the paper and approve it prior to its submission.

In separate documents, one per person, provide input on how well your group worked together and the relative contributions of your teammates. This document should be submitted through Blackboard.

Milestones

Sunday, November 4	1. A written progress report (a single typed sheet) from your team captain (but complied by the entire group). The report should include: a. A list the members of your group, b. The defining differential equations, c. A <u>rough</u> draft of your code, d. Any questions you may have at this point.
Sunday, November 18	2. Submit the "contributions" documents on Blackboard