

Dynamical Systems(550.391)
Homework 5 (Due Thursday, October 27, 2005)

General Directions: You must show all work and document any assumptions to receive full credit on a problem. Feel free to use MATLAB or any other computer system to find the fixed points, eigenvalues, and, if necessary, eigenvectors for your analysis. (Refer to the Software Usage Guidelines on the course website to determine what computer output you need to submit.)

1. Strogatz: Problem 6.3.10
2. Strogatz: Problem 6.3.16
3. Strogatz: Problem 6.5.12
4. Strogatz: Problem 6.6.6
5. Strogatz: Problem 6.7.1
6. Strogatz: Problem 6.7.3