

**Dynamical Systems(550.391)**  
**(Optional) Homework 9 (Due Monday, December 12, 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 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 9.3.2
2. Strogatz: Problem 9.3.3
3. Strogatz: Problem 9.3.4
4. Strogatz: Problem 9.3.5
5. Strogatz: Problem 9.5.1
6. Strogatz: Problem 9.5.2