

The homeworks will be graded statistically.

All the problems are from the textbook: *Nonlinear Dynamics and Chaos*, by Steven H. Strogatz, Perseus Books Group, 2001.

1. 8.1.1
2. 8.1.6
3. 8.1.9
4. 8.2.2
5. 8.2.8
6. 8.3.1 (use $a = 1$)