Daily Assignment #10

(due: Thursday, February 24, 9:30 am)

Announcement: Your first main paper will be due next Tuesday, March 1.

1. Work on your paper. As always, please feel free to come for any questions. (I do not need an answer to this part of the assignment.)

2. Finish 3. (bifurcation diagram) of the in class work on chaos. You may use the solution to 2. of the in class work:
`~kvollmay/classes.dir/capstone_s2005.dir/chaos.dir/chaos2.cc`
(As answer to this question please make your program readable and send me the complete pathname of your program.)

3. On Thursday we will work on our first molecular dynamics program. We will simulate the driven and damped harmonic oscillator. Thursday will be a preparation for the next next Tuesday class (and for the Many Particle Systems section in our course (April)). On the following Tuesday we will simulate the driven and damped pendulum, which exhibits chaos.
Skim: §5.1, 5.3, 5.5 and 5.6, or review with any other textbook the driven and damped harmonic oscillator.
Read: Appendix 5A.

4. What of the last class and this assignment did you find most interesting and/or most difficult?