Daily Assignment #5

(due: Tuesday, February 8, 9:30 am)

1. For your main project hand in Tuesday your **bibliography**. This bibliography will be part of the papers you will write in this course about your main project. The style of your paper will be the style of a scientific paper (as in junior lab). I will hand you out more information about the paper closer to the deadline: March 1. The topic of your first paper will be the specifics of your model and related background. For example for the project of a liquid simulation with molecular dynamics simulations you would describe the exact molecule-molecule interactions and the algorithm for the molecular dynamics simulation and as background which kind of interactions have been used in the past and which phenomena have been found. With your list of references (bibliography) you should be able to have all necessary information to write about the background and your model. Use as goal that you have complete information (all parameters) to be able to write your program. Your bibliography should consist as absolute minimum of at least five scientific papers and/or books. To get all necessary information you should read the papers you have already found and look up relevant references listed therein. (As answer to this assignment send me your bibliography as email (text) or as hardcopy.)

2. Describe your project in more detail than last time. You will give a short presentation of your project on Tuesday in class. As written answer to this question keywords are fine.

3. Finish 3a. of the in class work about random walks. As answer to this question send me the complete pathname of your program (and make it readable).

4. Read pages 476 and 477 in Gould & Tobochnik. This reading is a description of the fractal growth model which we will study during the next classes.

5. Do you have any comments about last class and/or this assignment? What about this assignment did you find most interesting and/or most difficult?