

12.800: Problem set 1

- 1) Attach a photo (Xerox copy is fine) so I can learn your name.
- 2) List your full name, the name you prefer to use in class (with phonetic spelling, if necessary), your email address, and a telephone number where you can be reached should it be necessary to cancel class on short notice.

Full name:

Informal name:

Email:

Phone:

- 3) What is your affiliation/dept?

- 4) Have you ever had a class in (please list number and types of classes):

Fluids:

Classical mechanics:

Ordinary differential equations:

Partial differential equations:

- 5) Have you ever solved a physics or mathematics problem by numerical methods?
Explain

- 6) With what programming languages are you comfortable?

7) Using your own PC or workstations available at MIT/WHOI, go to <http://wind.mit.edu/~hansen/classes/scripts.html> and download L63.m, lorenzmq.m, and step_it.m. Run matlab and execute the L63 script (the other two files contain functions used by L63.m). Print the resulting figure and turn it in with this sheet. The purpose of this exercise is to make certain you are capable of accessing and running matlab.