

Computational Physics

Homework 1

Due Sept. 11, 2018.

Read Chapters 1-3 of *Computational Physics* by Mark Newman

Available at <http://www-personal.umich.edu/~mejn/cp>

Do Problems 3.7 and 3.8

- Write python programs to solve both problems. The text of the problems are and available in the [book website](#). Data for problem 3.8 is available on the website under the “programs & data” tab.
- Include the results (the Mandelbrot Set image, plot of Milikan data with least-squares fit, and numerical results of the fit) in a SHORT LaTeX report (<2 pages).
- Include your python code and your report in your class repository.