

Homework Assignment #13

Due Wed, March 1, 4pm

1. Flow Chart Note: Due tomorrow, Wed, March 1 Write a flow chart for your main project program. Be as detailed as possible. This might even mean that you have one less detailed flow chart ²³ and then more detailed flow chart elements ²⁴. For the more detailed flow chart(s) you may want to list the main variables for your program ²⁵

Optional, Near Future:

You will need this flow chart (and list of variables) for writing your program. You might even want to start working on the core parts of your main project program. My major advice, however, is that you write your program successively. Do not write the whole program at once, but instead step by step and test each step as you go.

2. Main Project Talks: On Thursday, **March 2**, main project talks will be given by **Houtan, Alex, Ziqi, Jonathan, and Narayan**. Content of the main project talks is the same as the content of the first main project papers. For more information please see our webpage in the sections “In-Class Work” and “Guidelines for Main Project”. Please feel free to come to my office in case of questions.

²³e.g. for Houtan time-loop over tumor growth and radiation application, e.g. for Katie and Narayan time loop over MD steps, e.g. for Connor time loop over MD-step and possible ejection of new mass and collision-event

²⁴e.g. for Houtan how exactly is tumor growth done, e.g. for Katie and Narayan what exactly means one molecular dynamics step, e.g. Connor what exactly means ejection of mass

²⁵e.g. for Katie the array(s) for the x , y , and z -components of your positions; e.g. for Houtan the array for oxygen concentration; e.g. for Alex the array for C or D for each site; e.g. for Luke decide on whether you need for some variables only differences of pressures or all pressures.