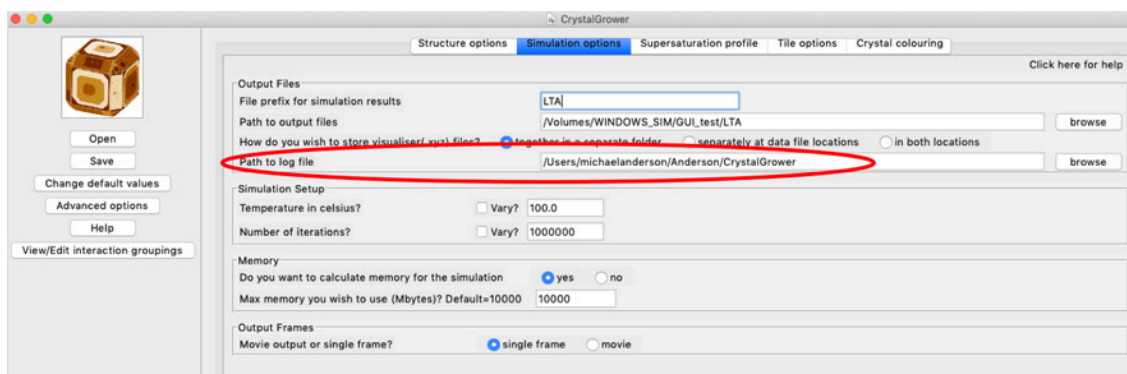


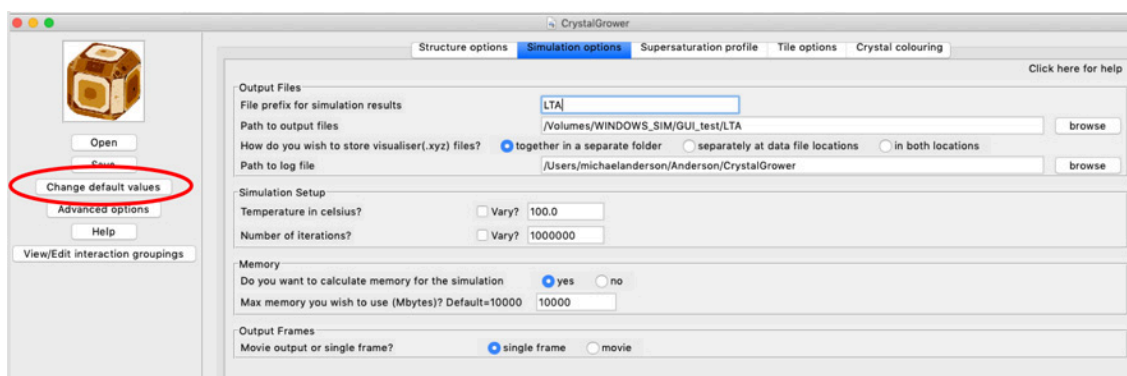
Log file

Path to log file: this is the file path to save a logfile. Every time a simulation is run, a lot of useful information about the simulation is saved to a logfile called CrystalGrower_log.csv. The information is appended at the end of any existing logfile with this name in the directory identified here. The information is comma delimited and can be opened in, for example, Microsoft Excel.

This file contains a lot of useful information concerning each simulation that is run. It is useful to have one file that is appended after every simulation so it is recommended that a default is set for this filepath that will be set automatically each time a simulation is run. The log file is called CrystalGrower_log.csv and is a comma delimited file for opening in, for example, Microsoft Excel.



In order to set a default value for the logfile click Change default values.



Then under the “Simulation options” tab set the default “Path to log file” and click “Save and close window”.

The screenshot shows the CrystalGrower application window with the "Simulation options" tab selected. The window has a title bar with standard macOS window controls (red, yellow, green buttons) and the text "CrystalGrower". Below the title bar is a tabbed interface with five tabs: "Structure, Net and Tile options", "Simulation options" (which is highlighted in blue), "Supersaturation profile", "Other", and "Layer colouring".

The "Simulation options" tab contains several sections of settings:

- Output Files:**
 - "File prefix for simulation results": An empty text input field.
 - "Path to output files": An empty text input field with a "browse" button to its right.
 - "How do you wish to store visualiser(.xyz) files?": A dropdown menu with the option "together in a separate folder" selected.
 - "Path to log file": A text input field containing the path "/Users/michaelanderson/Anderson/CrystalGrove" with a "browse" button to its right. This entire row is circled in red.
- Simulation Setup:**
 - "Do you want species grouped?": A dropdown menu with "yes" selected.
 - "Temperature in celsius?": A text input field with "25" entered.
 - "Number of iterations?": A text input field with "1000000" entered.
- Memory:**
 - "Do you want to calculate memory for the simulation": A dropdown menu with "yes" selected.
 - "Size of simulation in x direction (Must be odd)": A text input field with "201" entered.
 - "Size of simulation in y direction (Must be odd)": A text input field with "201" entered.
 - "Size of simulation in z direction (Must be odd)": A text input field with "201" entered.
 - "Max memory you wish to use (Mbytes)? Default=10000": A text input field with "10000" entered.
- Output Frames:**
 - "Movie output or single frame?": A dropdown menu with "single frame" selected.
 - "Number of frames?": A text input field with "1" entered.
 - "Iteration at initial frame? (default=1)": A text input field with "1" entered.
 - "Set final frame equal to number of iterations?": A dropdown menu with "yes" selected.
 - "Iteration at final frame?": An empty text input field.

At the bottom of the window, there is a "Save and close window" button, which is also circled in red.