

Tasks Completed This Week

This past week I worked some on the visualization in Matlab for the data that was provided. While unable to get a visualization that I am fully satisfied with, I did get some meaningful plots. Below, in figure 1, is an example of the data plotted by position, magnitude of velocity shown by the size of the points, and the magnitude of the displacement shown by the color of the data.

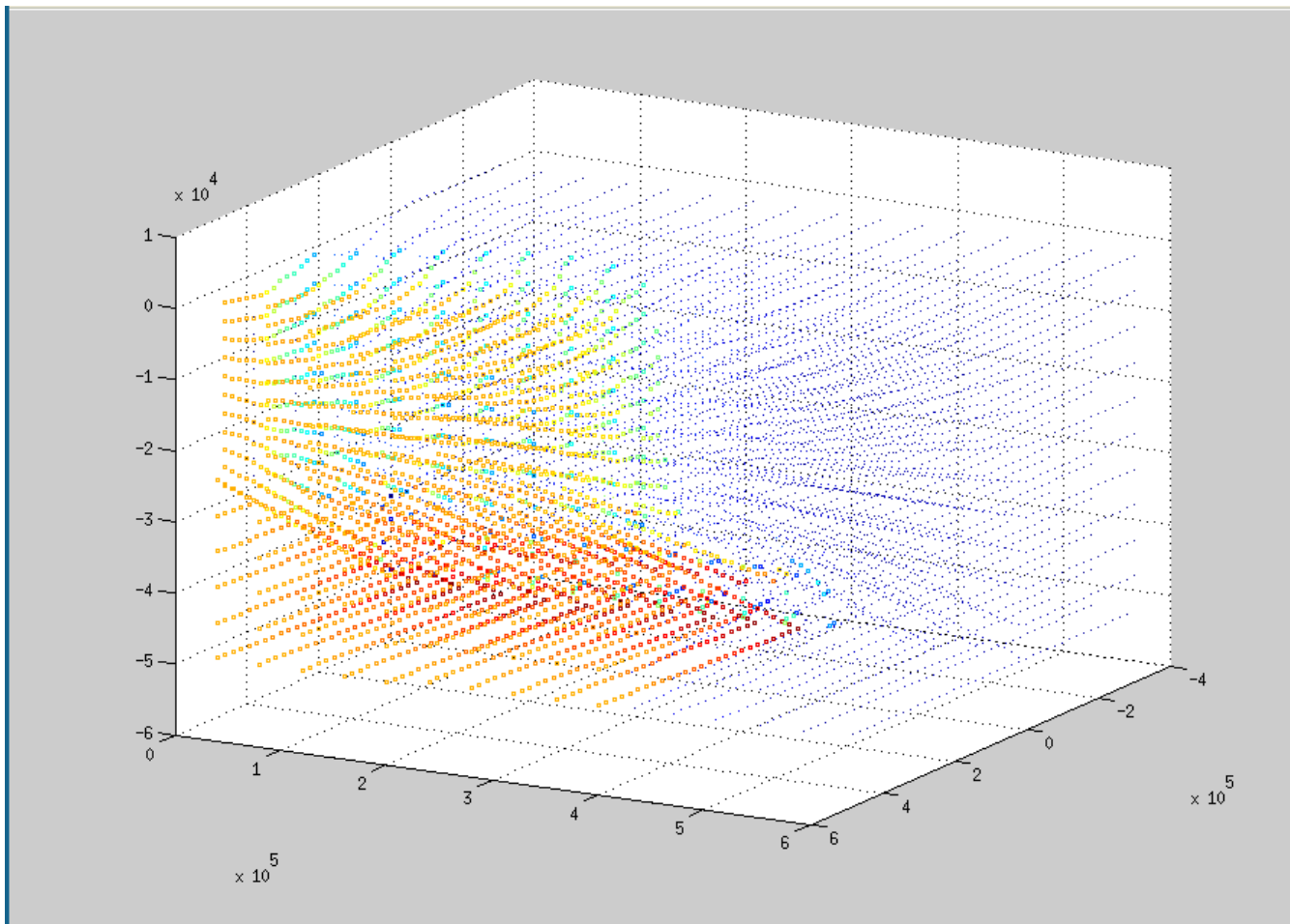


Figure 1. SS_gp_data visualization

The data points closer to the origin have a higher velocity, as shown by their larger sizes. They also have a much larger displacement as indicated by their color. Blue corresponds to low displacement, while red corresponds to higher displacement.

This week I also obtained complete data for the 3D simulation. It created 9.2 GB of output data, so getting it off of the supercomputer was a small inconvenience as a result of limited storage on my account here. I am not able to directly send it to the FTP server that Ben setup. It does not support sftp, which is the only method that I am aware of that can be used to transfer files off of the supercomputer.

Tasks For Next Week

For the next week, I hope to complete my paper, and then try to get more done on the Matlab visualization. I would like it to be a more solid picture, to look more like the one that the program Ben uses creates. Also, I need to start work on the poster as well, as I am not completely sure what I am going to put on it. Once I complete the paper, this should be easier.