

Reflection Paired Project 3

I believe as of now, we both have contributed equally towards this project. For the first two weeks, we tried to brainstorm topic ideas for this our poster. We chose the topic that I came up with, which is plasma, however unspecified. We both went to the library and picked up books regarding plasma to find a topic that is more specific and something we can work with. After researching we chose the topic that manual found in his research, which is magnetized plasma. My research did not go to waste for I researched Magnetohydrodynamic, which is part of our topic that we will be working on. Now for this week we tried to do more research regarding the topic that we chose, in a more mathematical approach, since we will need to put forward a graphic for our model in the near future. The work was split evenly again mirroring the week before where Manual focused on the general topic, while I focused on MHD equations that applied to our topic. The biggest question moving forward would be did we pick to narrow of a topic? How much theoretical calculations will this topic allow us to gather?

Homework 11 reflection

To answer our own questions from last week, we realized that our topic wasn't too great. So, we changed our topic slightly to Alfven waves, while still being the magnetized plasma topic. I believe we are still both contributing equally. This week we were able to start a jupyter notebook even though it is still in its infancy. I feel like this time around we have a clear direction that we can't walk towards compared to the other weeks where I felt like we didn't know which direction to take this project on. Questions to move forward on is how well will the equations we are using work and give us useful information when used in our code? Will the information relate to the question compared to the known sun's data?

Homework 12 reflection

We were able to get half of the code to work, the half that deals with the phase velocity of the Alfven waves. What is left to code is the temperature of these waves from the phase velocity. Again I believe that the work for this week was divided equally. We met at the library and discussed how our poster will look like and were able to get the python to work. Questions for next week to answer would be how well will the numbers generated from converting the velocities to Temperature, with actual data from the sun's corona? If different can we justify why? Also work on the mathematics aspect of the project.