

My Contribution by Shashank Heda, 11110094

The main contributions I made as part of a team (Group 4) to my group were mainly about modifications of given code and debugging. In case we completed the part allotted from the Computational Project questions, I would go for online available programs and additional tools which can be incorporated for the same. I was mainly fascinated by the mandelbrot and julia plots and the inline zooming which can be done using a part of X11 library for getting inputs from keyboard and mouse and spent quite some time on that. I tried some unsuccessful attempts at CUDA with openMP which could not be presented due to their non-usefulness of the code and lack of time. Was mainly involved with the plots for the presentation, data extraction, most of the times with Ravi, and then data analysis with conclusions about the part explaining the things been done depending on the usefulness of information gathered. For later reports, I liked keeping track of things which can be done in a particular question and we tried not to do things which were being done by other groups in order to have no overlaps during presentation. For example, in one of the Computational Projects, a group had done strip partitioning. So interacting with them made us decide to do it using block partitioning, which eventually wasn't fully successful. Also spent some time on hybrid programming models which itself is another big field in parallel computation.