

Team# 1

Members Name & Contribution in percentage:

Rafsan Saadi – 50%: Performance optimization, method development, repository setup.

Sohaib Syed – 50%: Performance optimization, assignment write-up.

Optimizations used:

The optimization that we used for this project was the bins method, which allows us to have bins complete a variety of tasks. This results in thread efficiency. One thread handles the bins and another thread handles one particle. This means that each thread will contain one single particle. This leads to high efficiency because it makes the program more parallel. This also allows us to allocate GPU memory instead of CPU memory. We got the program to work with the bins implementation.