

## 1 Introduction

The system being investigated is a collection of  $n$  masses interacting via newtonian gravitation. As we showed in class, this system is not analytically solvable, so our investigation centers on simulating these masses interactions efficiently so that we can see how the system evolves based on various initial configurations.

In our simulation, we

## 2 Analysis

## 3 Findings

## 4 Conclusion