

Gravitational N-body Problem

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Interim Report

Classical 2-body Problem

We decided to start with the most basic case: The classical 2-body problem. Once we have the necessary classes, we can make them more general to support more complicated systems. The two base classes are **Body** and **System**:

- **Body**: This class represents a body in our N-body system.
- **System**: This class takes a list of **Body** objects and contains methods to modify an instance of the system.