Physics Engine

# Core Classes

## Particle

Represents a point particle. Defined by 3 properties: a displacement vector (r), velocity vector (v) and a mass (m).

## Force

A force that acts on all particles.

## Interaction

An interaction force between two particles.

## Constraint

A constraint placed on all particles.

## Universe

A collection of physics particles, interactions and forces.

# Philosophy

Data and logic should be separated as much as possible.