

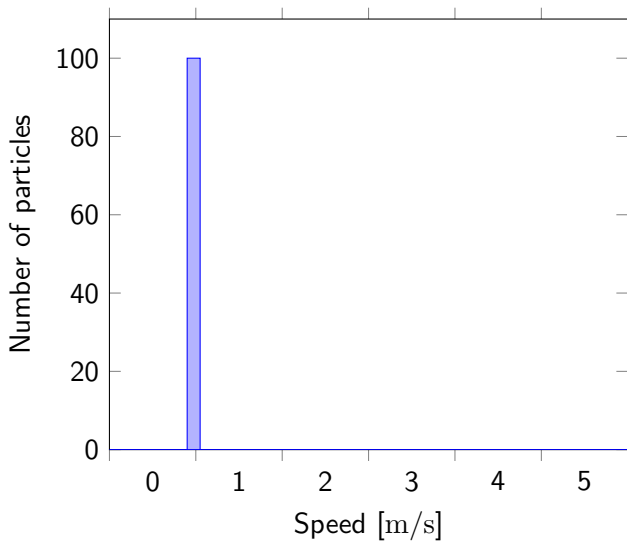
Event driven simulation of a granular gas

Jonas Bueie

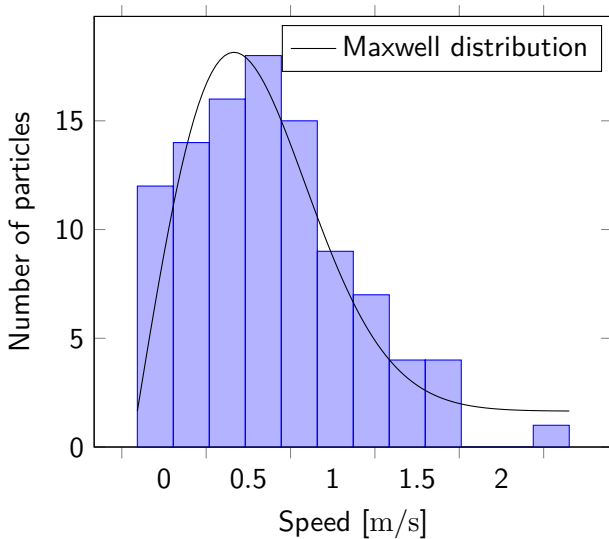
May 1, 2021

Task one: Speed distribution

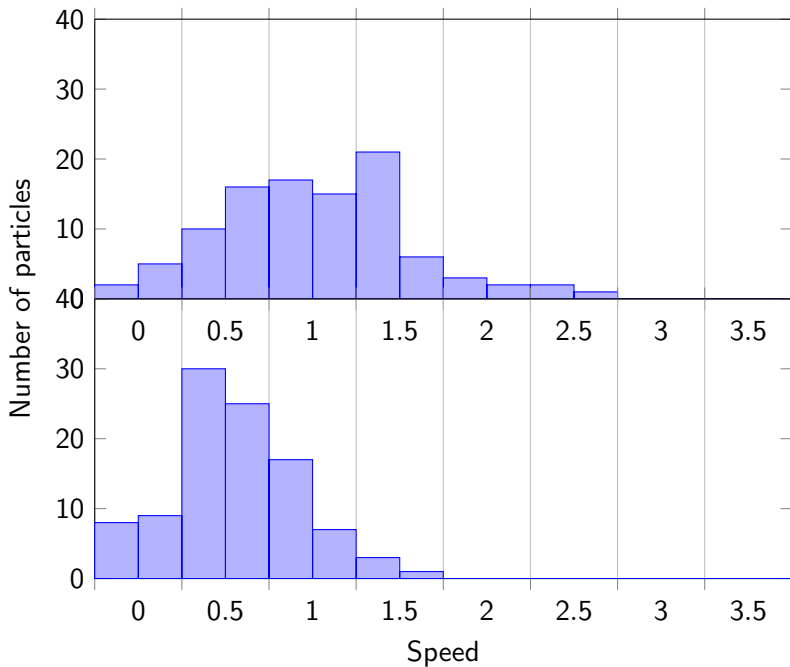
Initial speed distribution



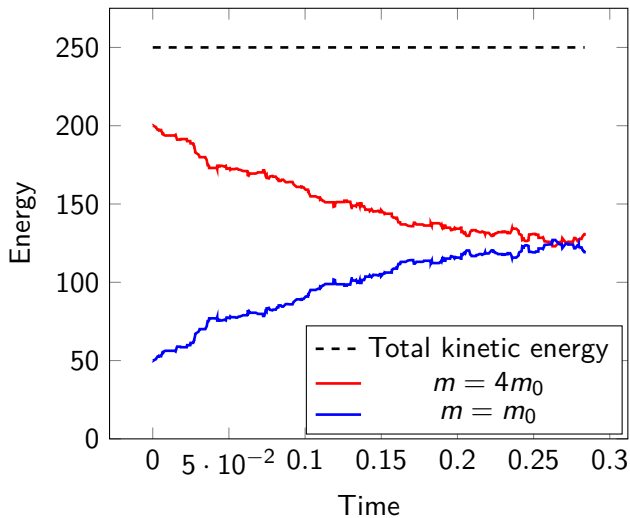
Speed distribution at equilibrium

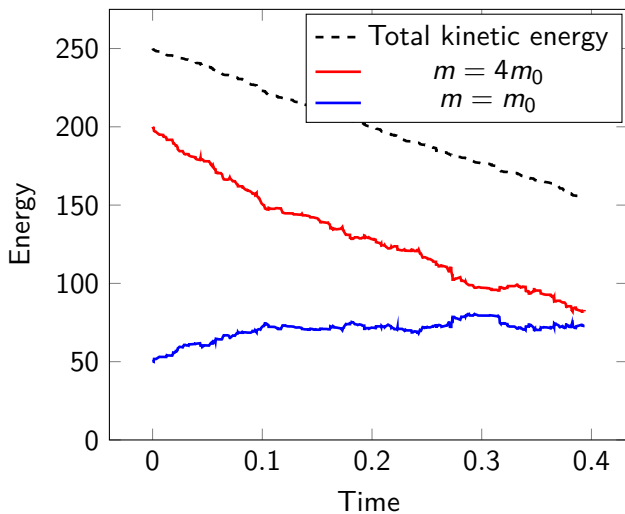


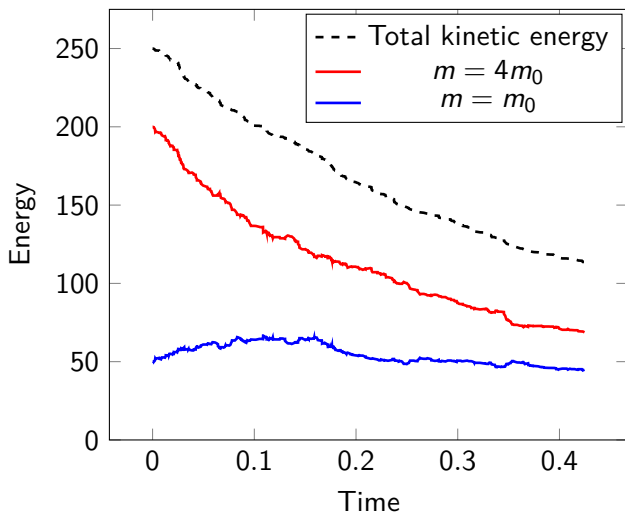
Task two: Several gas components



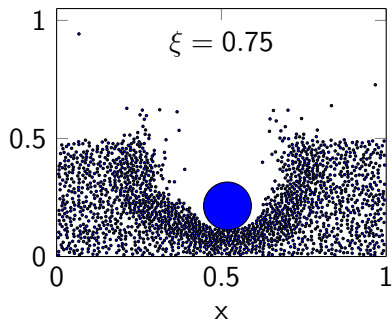
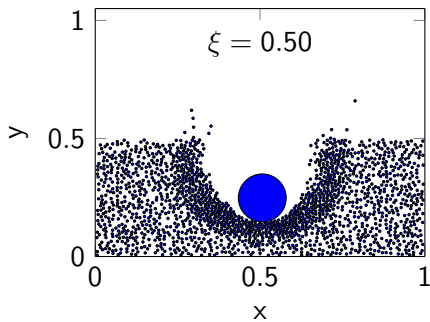
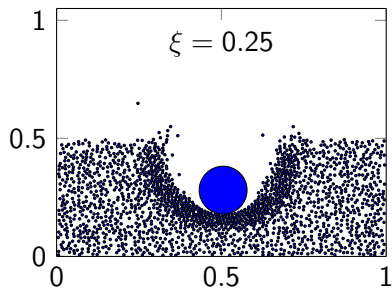
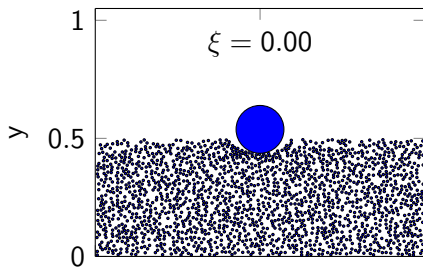
Task three: Thermal equilibrium







Task four: Simulating crater formation



$$\xi = 1.00$$

