About Me

- Grew up in Boulder, CO
- BS in Physics and Mathematics from University of Northern Colorado
- Astrophysics PhD student at Northwestern University
- Hobbies: Music, video games, sharing science
Simulations

Real Life Thing

Erosion in San Francisco Bay

Wind on a Tall Building

Simulation

A Miniature San Francisco Bay

A Model Building in a Wind Tunnel
Simulated Galaxies

z=30.0

z=30.0
Human-Gas Simulation

Basic Rules

1. The simulation happens over a number of turns

2. Each turn each participant takes one step forward, toe-to-toe, in the direction they are currently facing.
Simulation of Gas

falstad.com/gas/