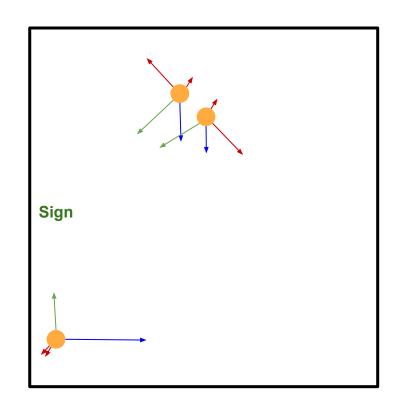
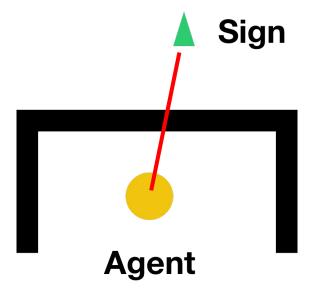
# Burning Man

#### Social Force Model

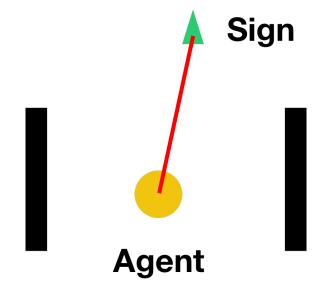


$$f_a = c_1 * e^{\frac{distance}{c_2}}$$
 $f_w = c_3 * e^{\frac{distance}{c_4}}$ 
 $f_{steer} = \frac{v_{desired} - v_{physical}}{c_5}$ 

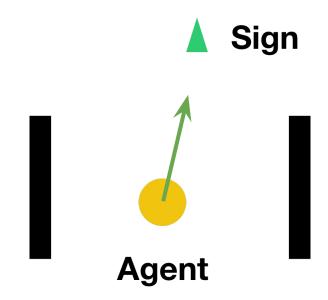
# Implementation: Raytracing

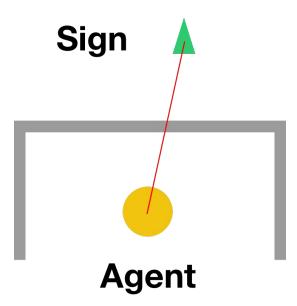


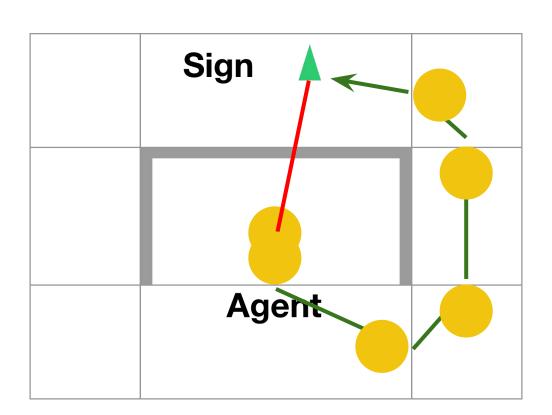
#### Implementation: Raytracing



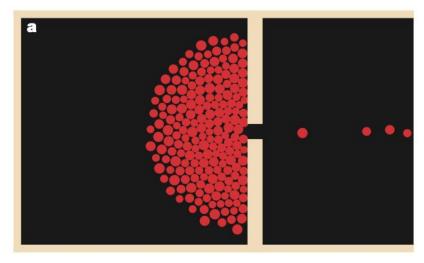
# Implementation: Raytracing



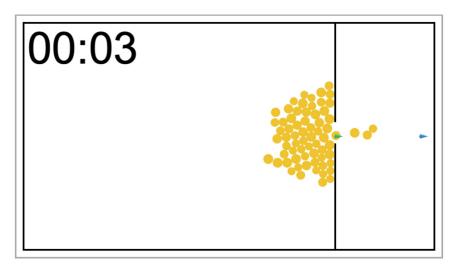




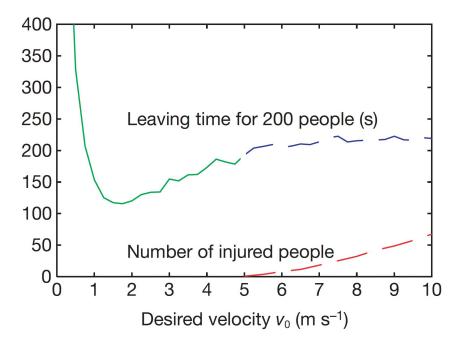
#### Experiment 1: small door



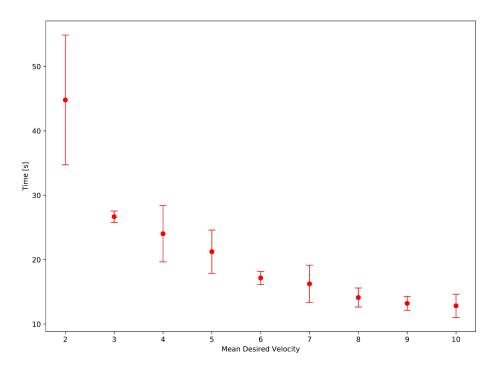
Experiment from the paper "Simulating dynamical features of escape panic" <sup>1</sup>



Experiment 1 from our Complex System Model



Statistical plot from the paper Simulating dynamical features of escape panic<sup>1</sup>



Statistical plot from the paper Simulating dynamical features of escape panic<sup>1</sup>

### Experiment 2: Polysnack

