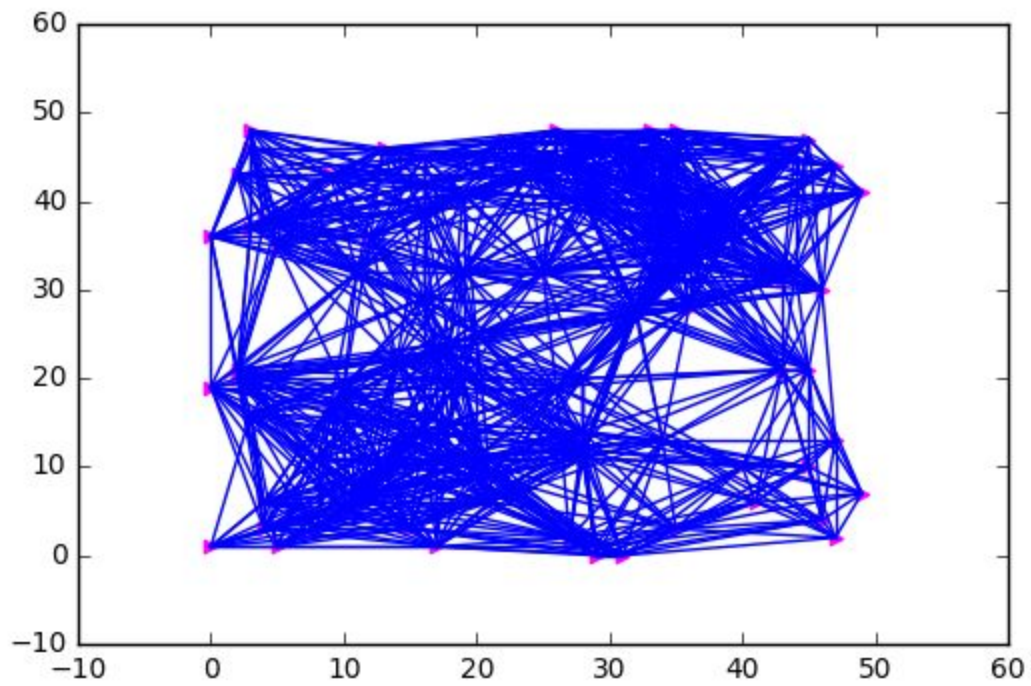


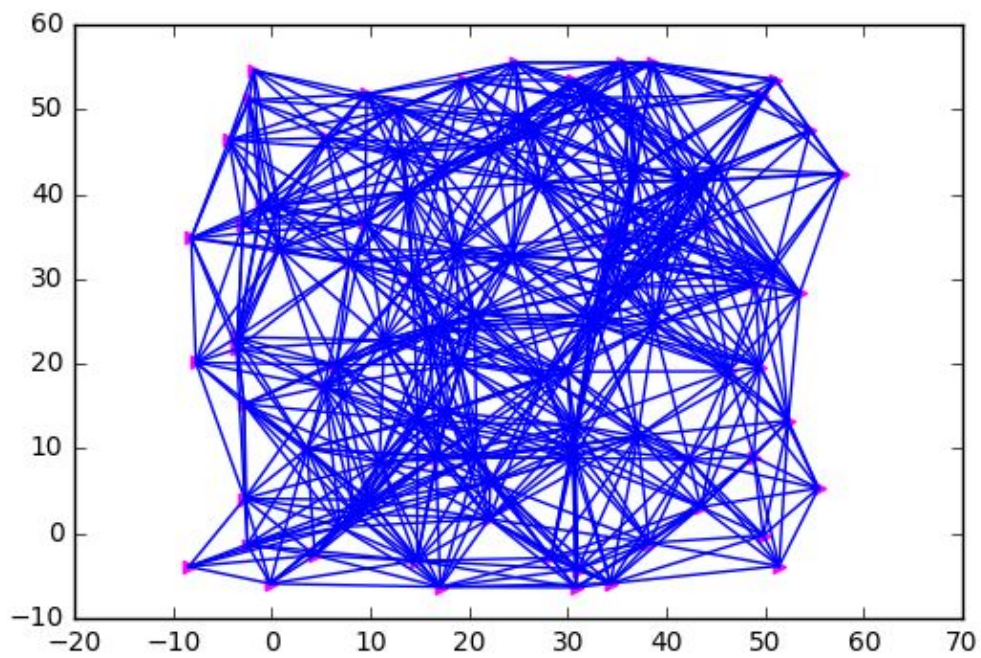
Helen Medrano
CS 455: Mobile Sensor Networks
Project 1: Flocking

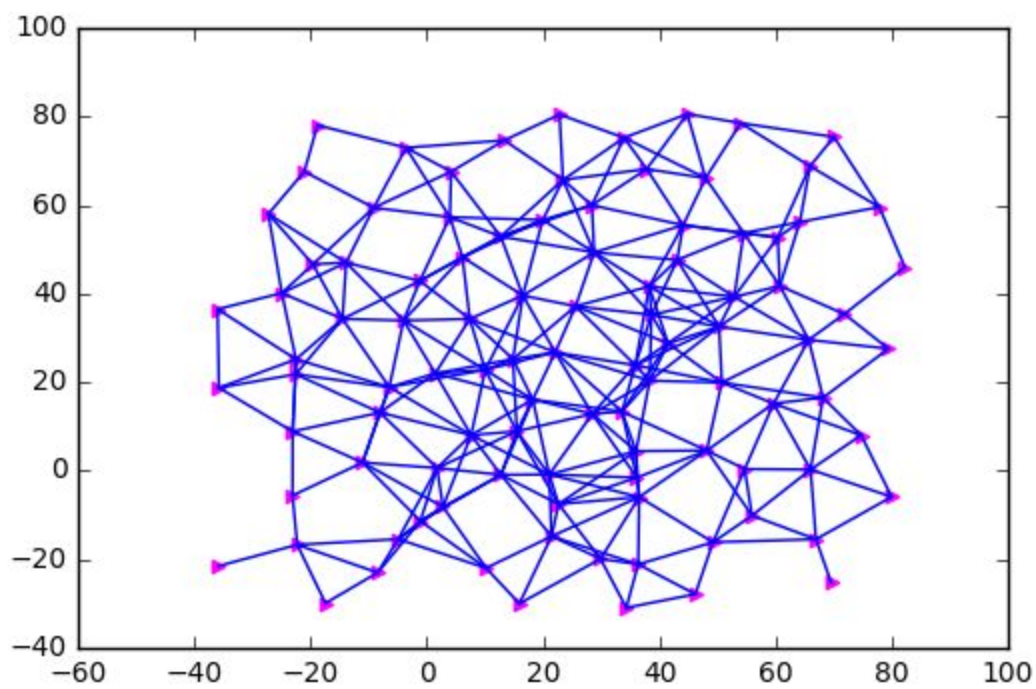
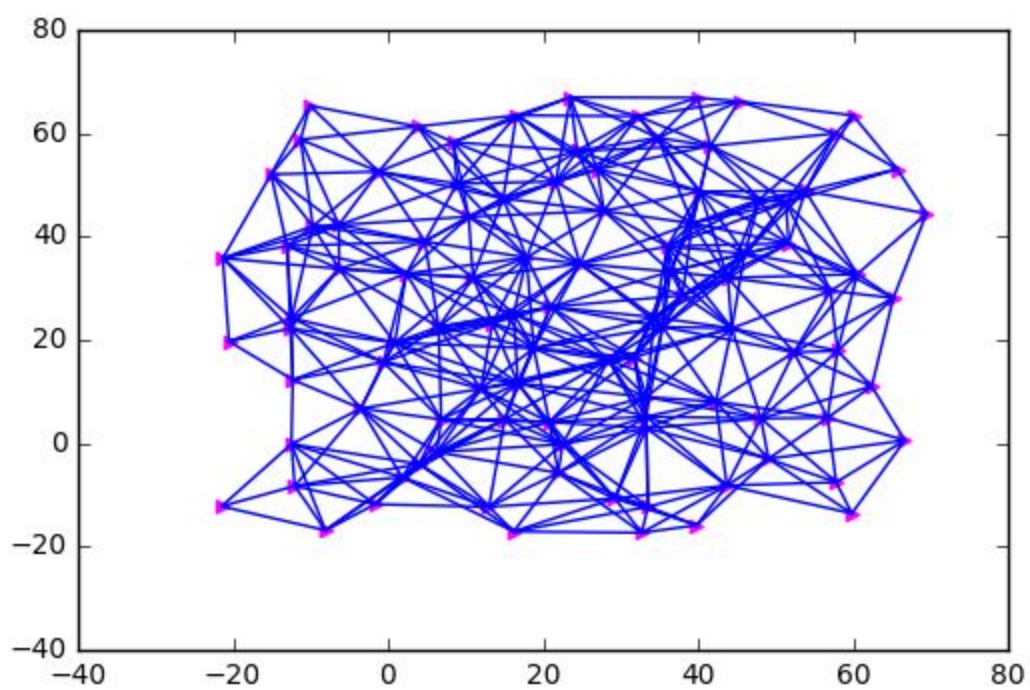
Case 1: Flocking Algorithm 1

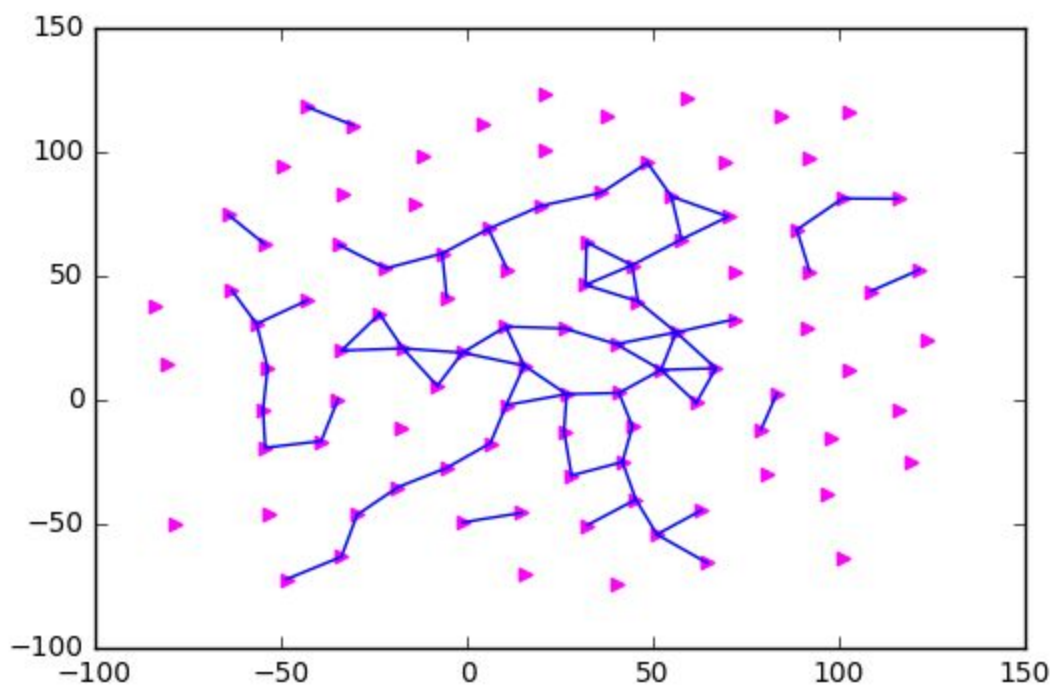
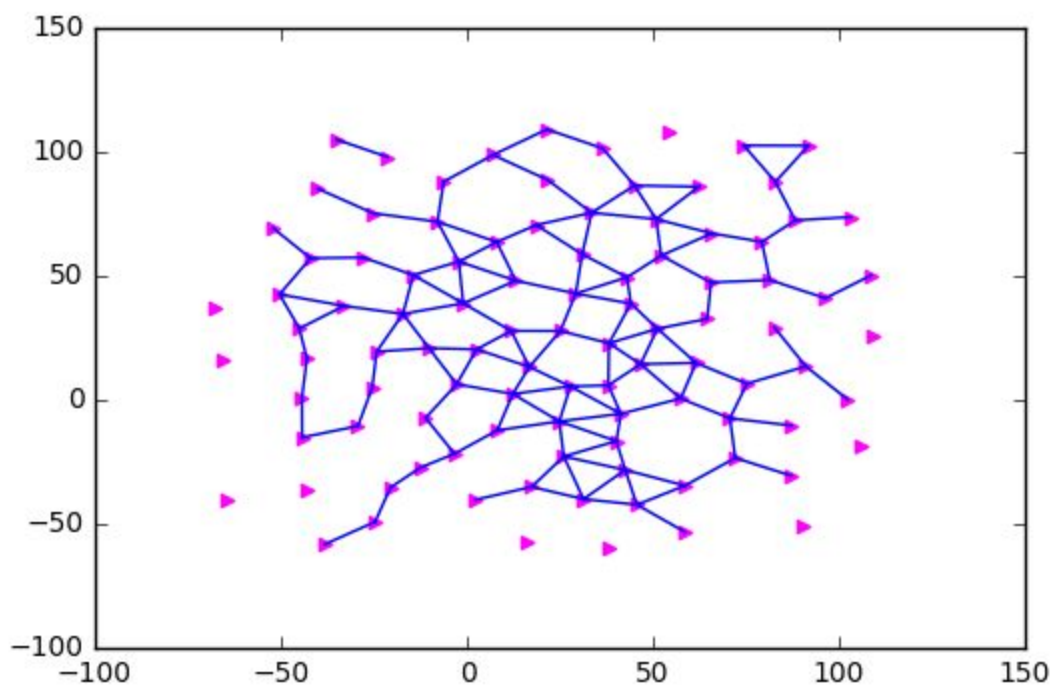
1. Initial 100 nodes

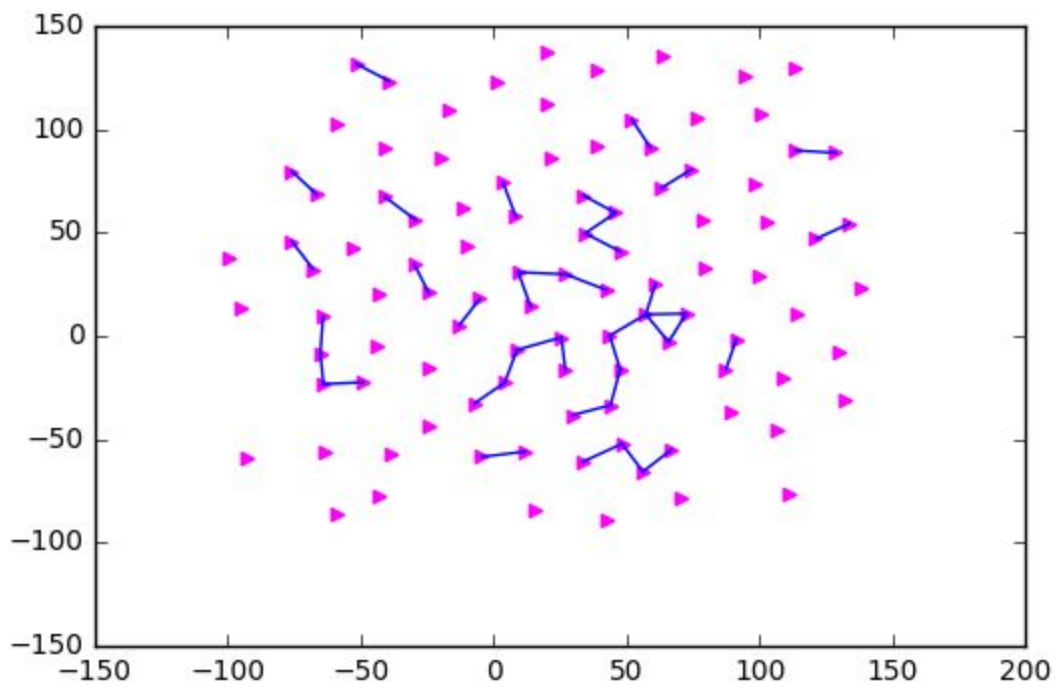


2. Snapshots

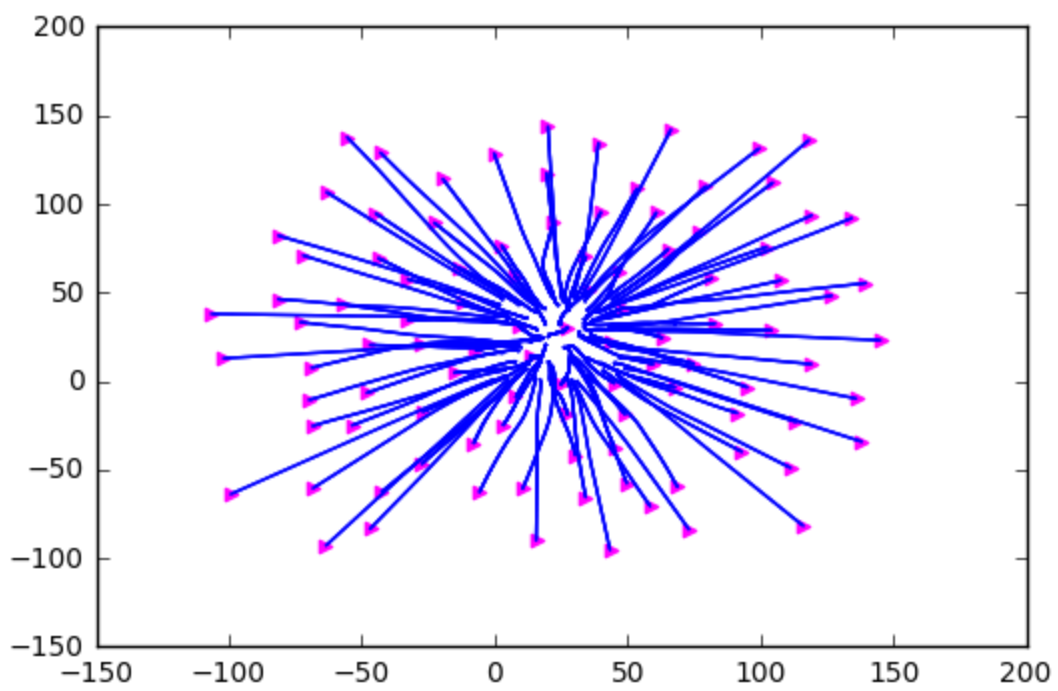




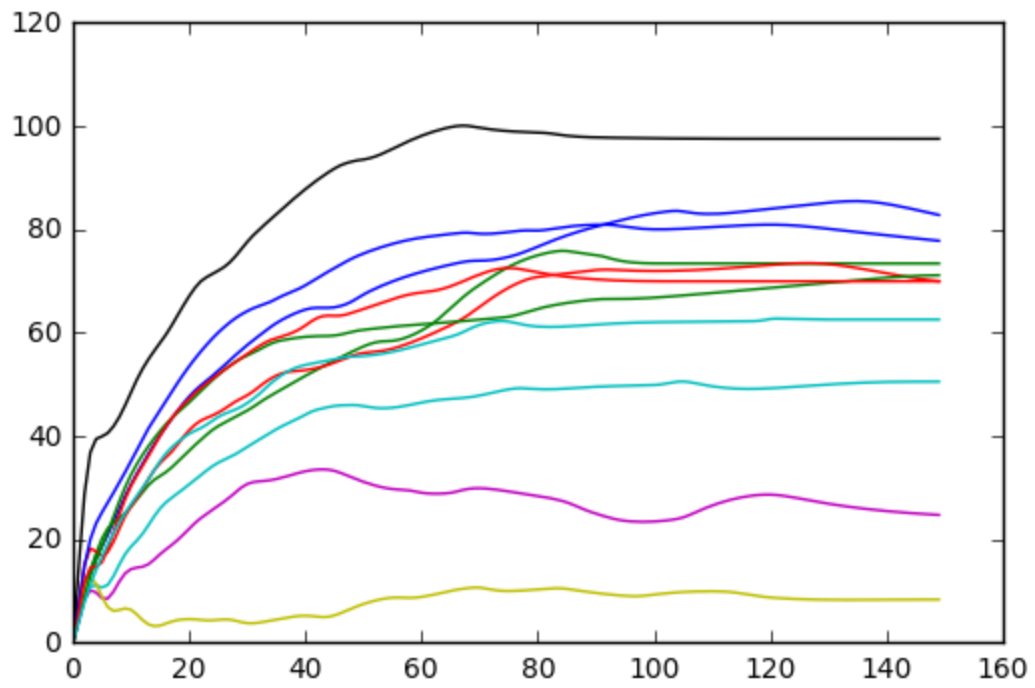




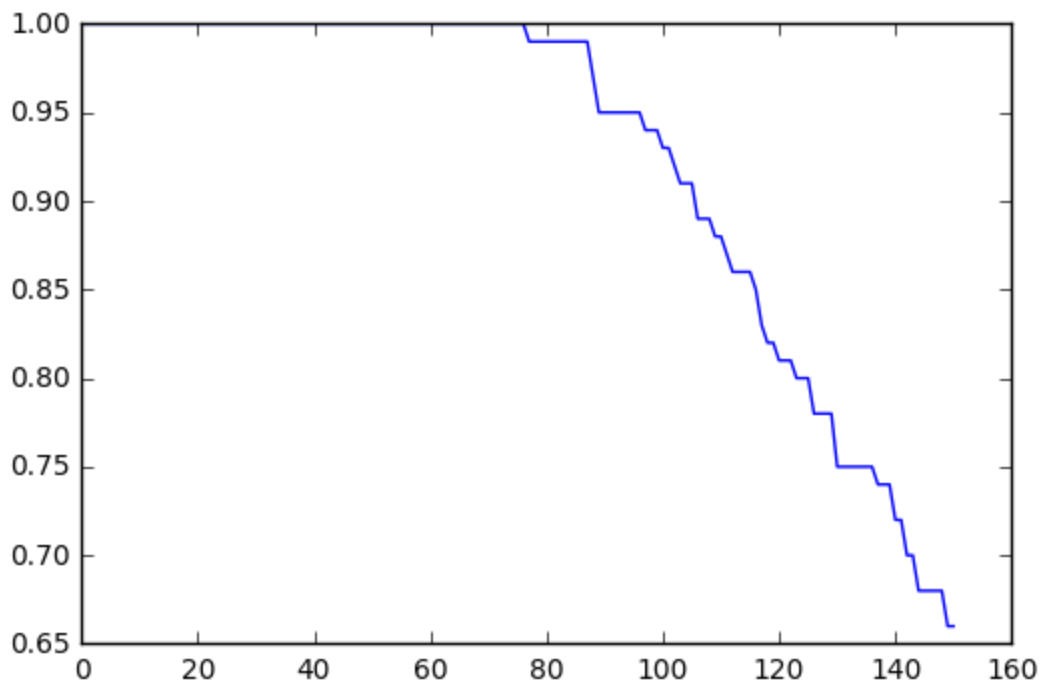
3. Trajectory



4. Velocity (First 10 nodes)

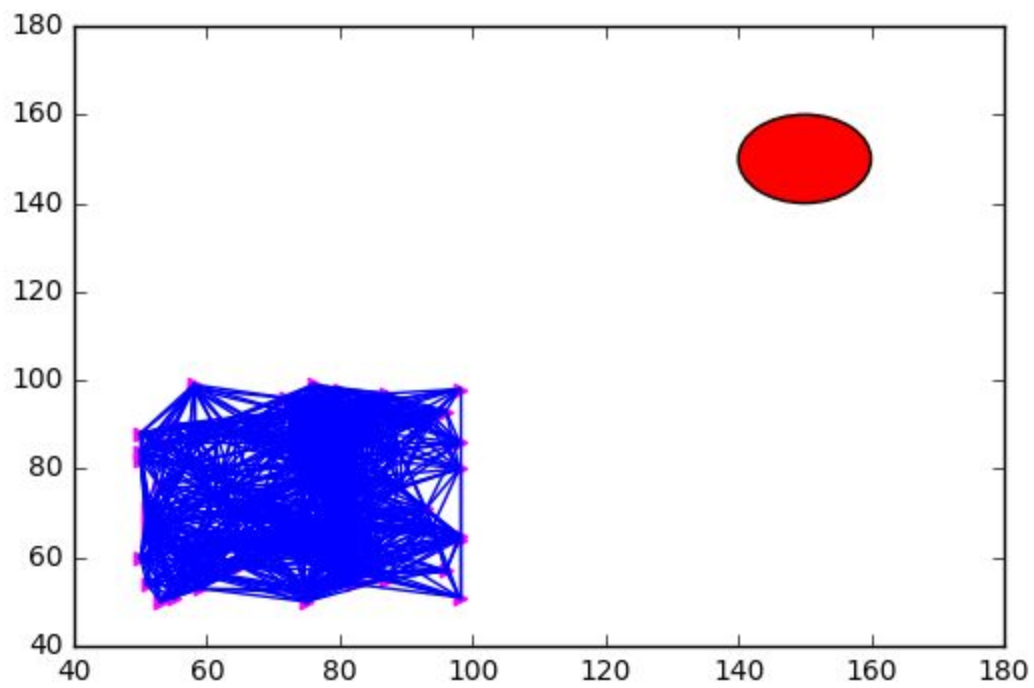


5. Connectivity

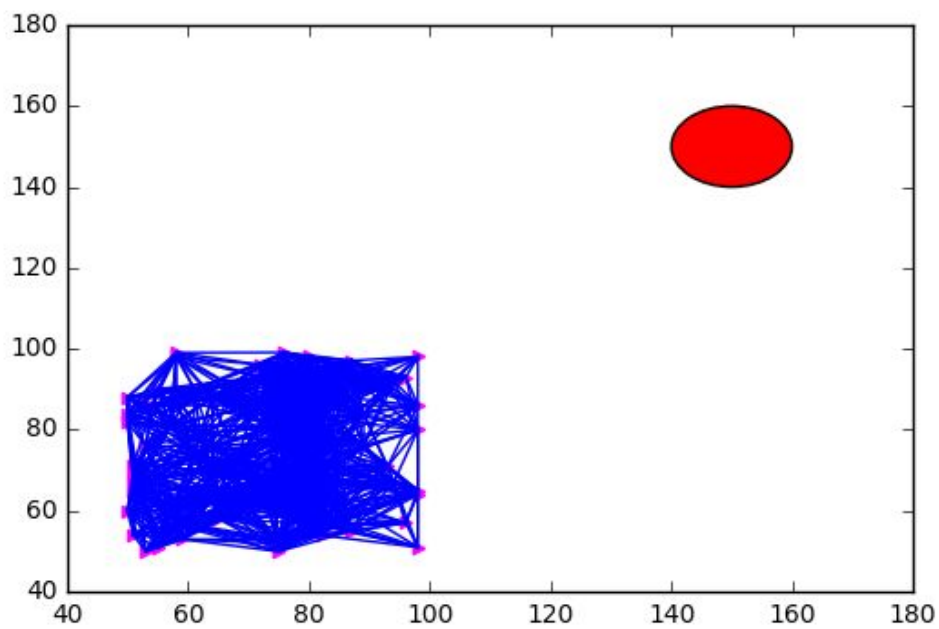


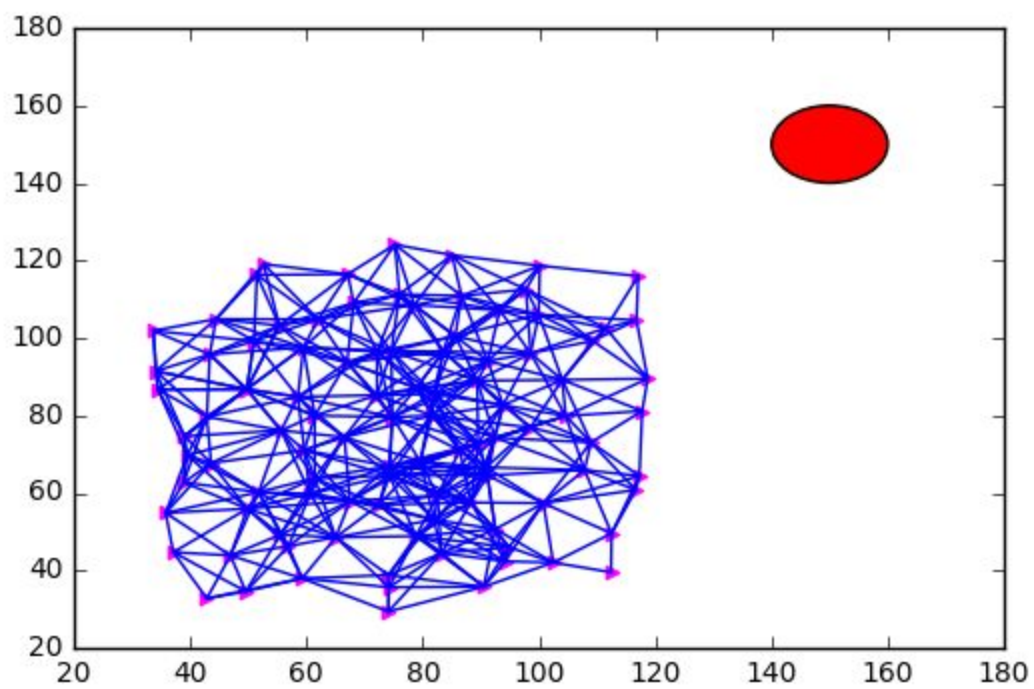
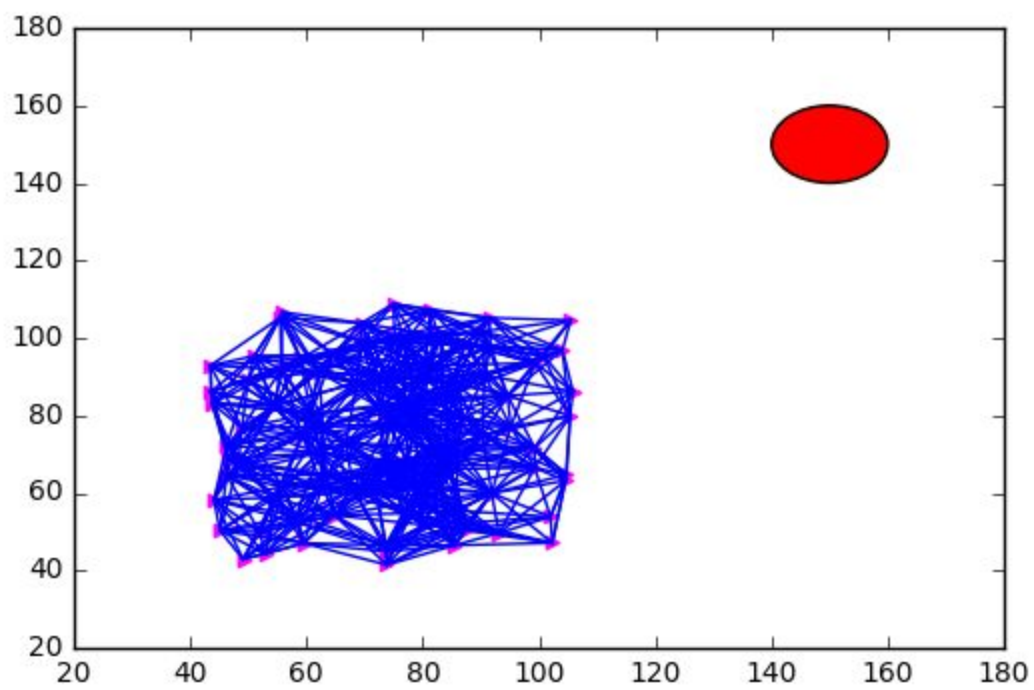
Case 2: Static Target

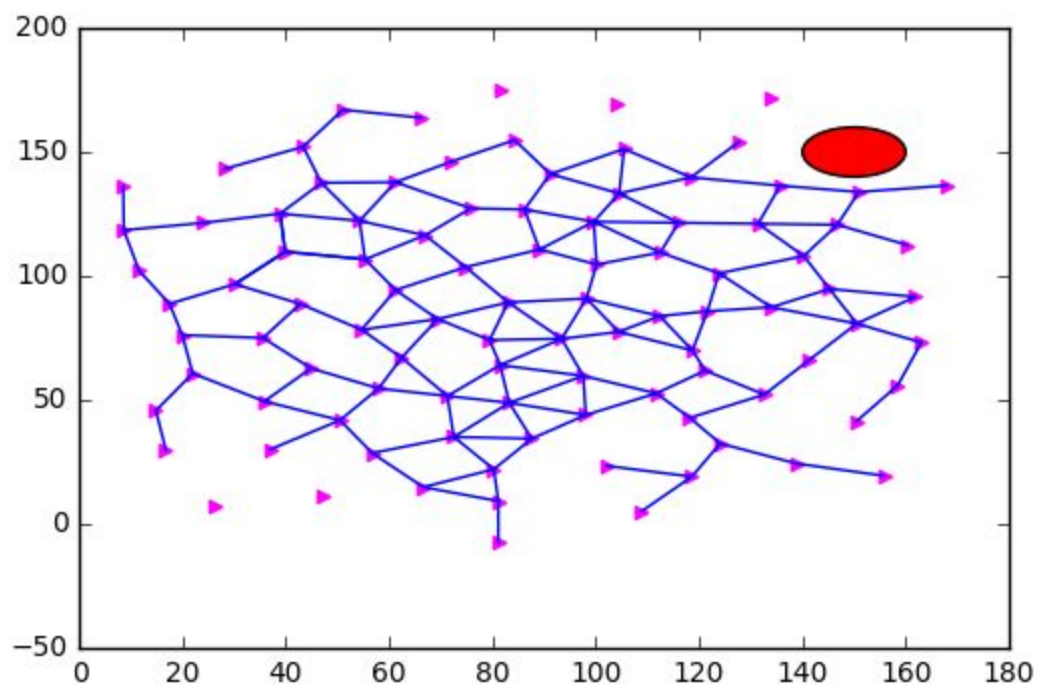
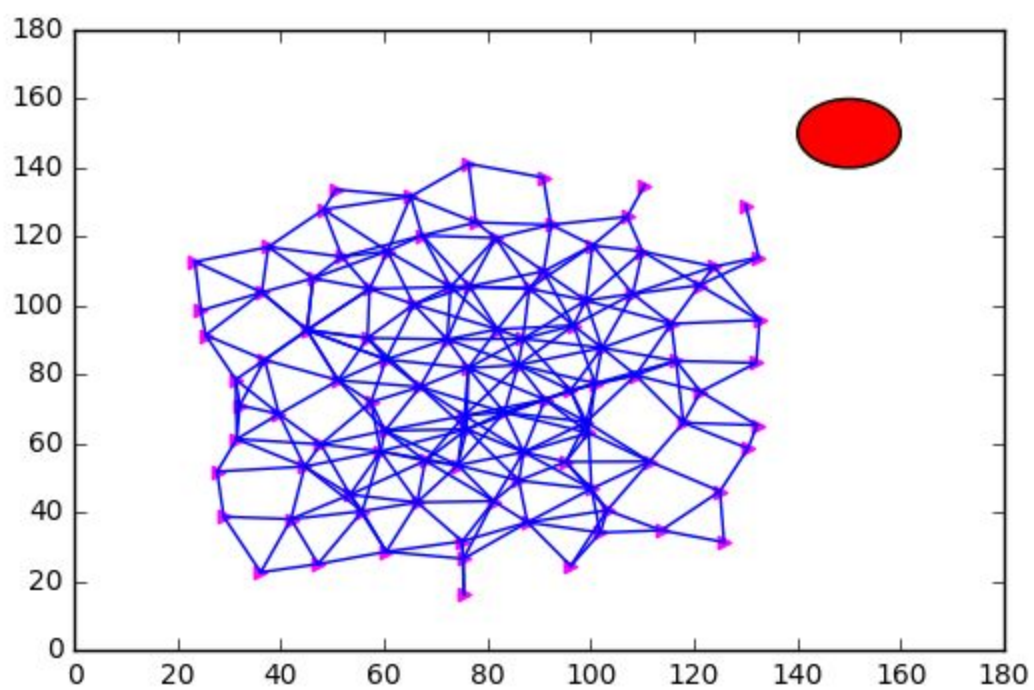
1. Initial Nodes

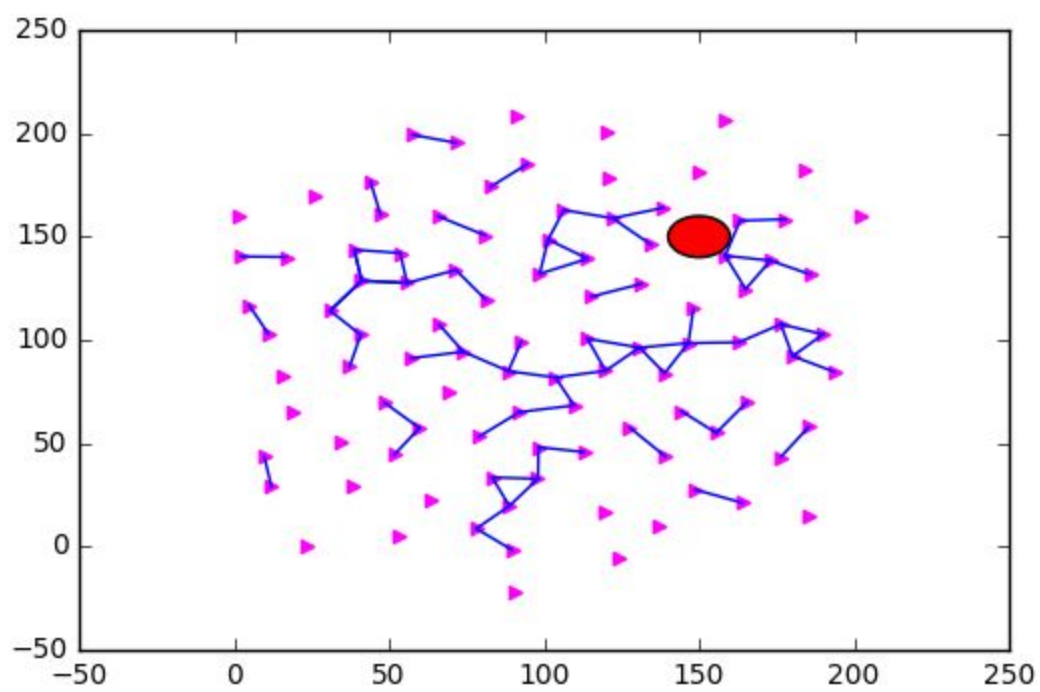


2. Snapshots

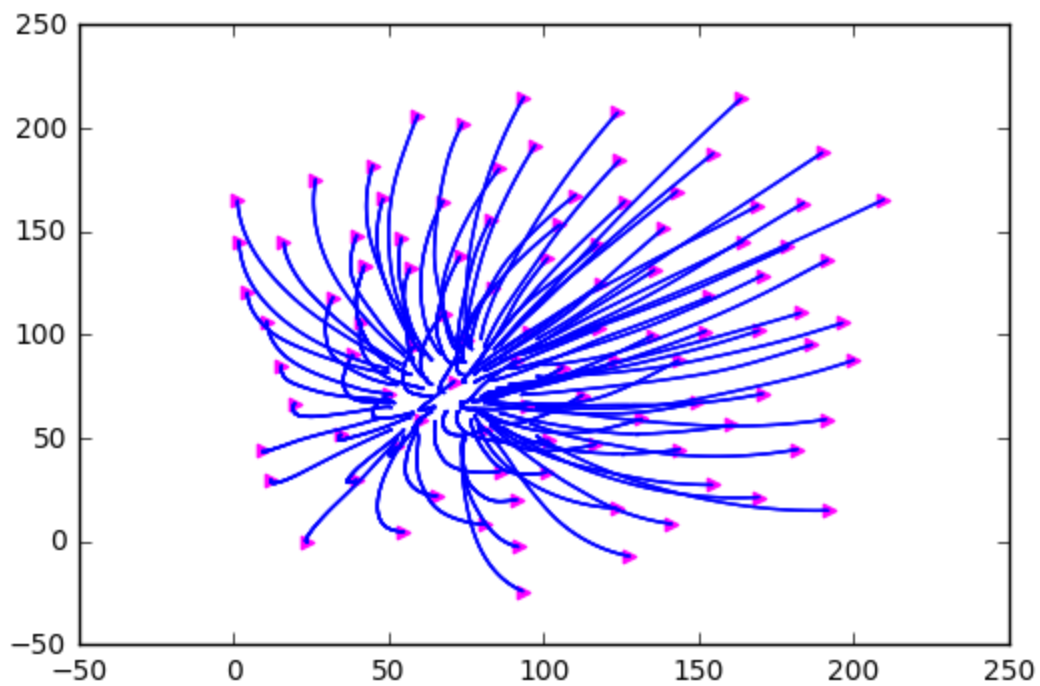




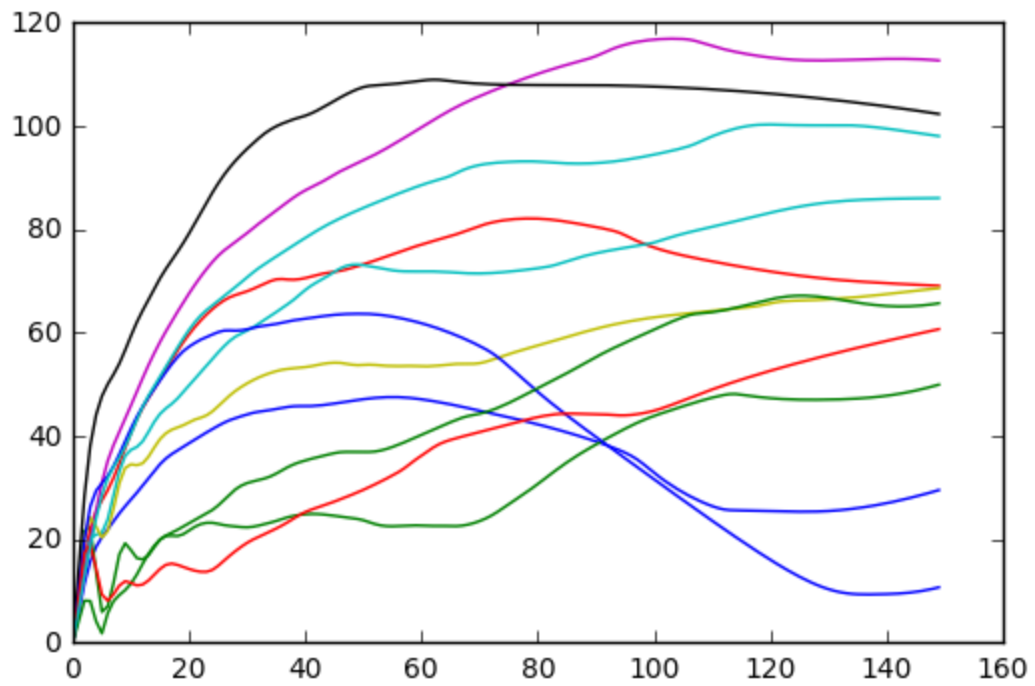




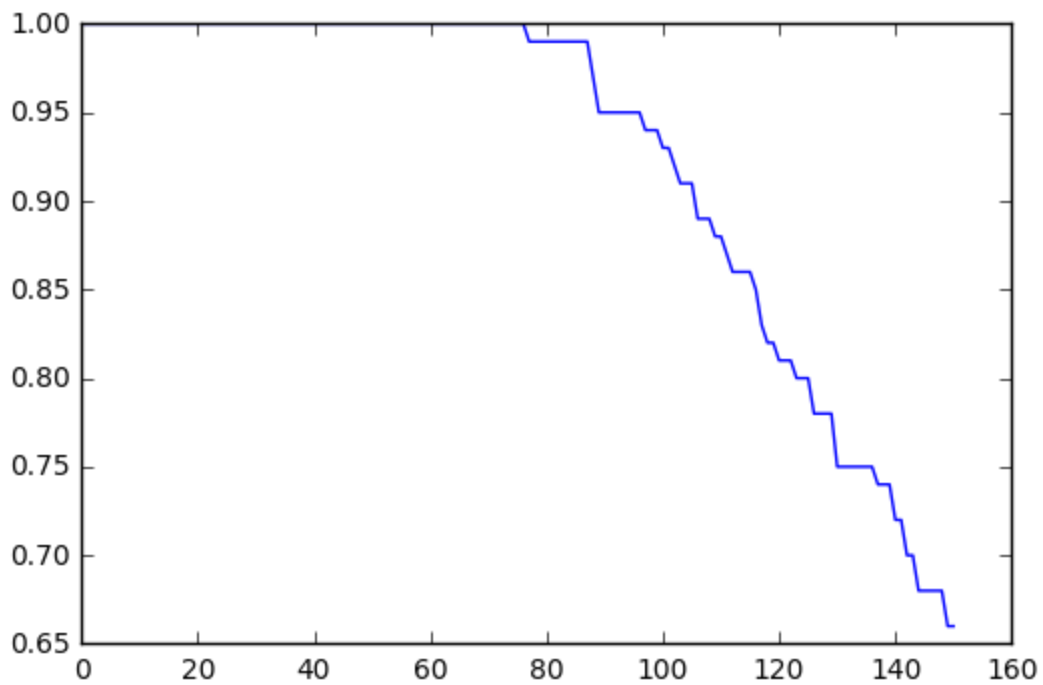
3. Trajectory



4. Velocity (First 10 nodes)

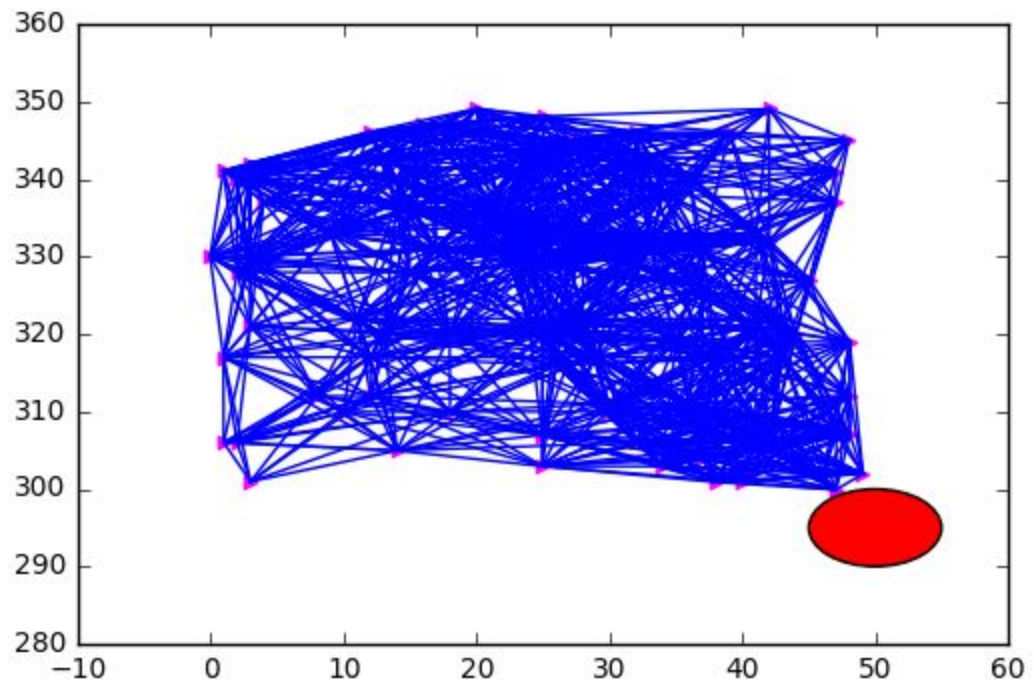


5. Connectivity

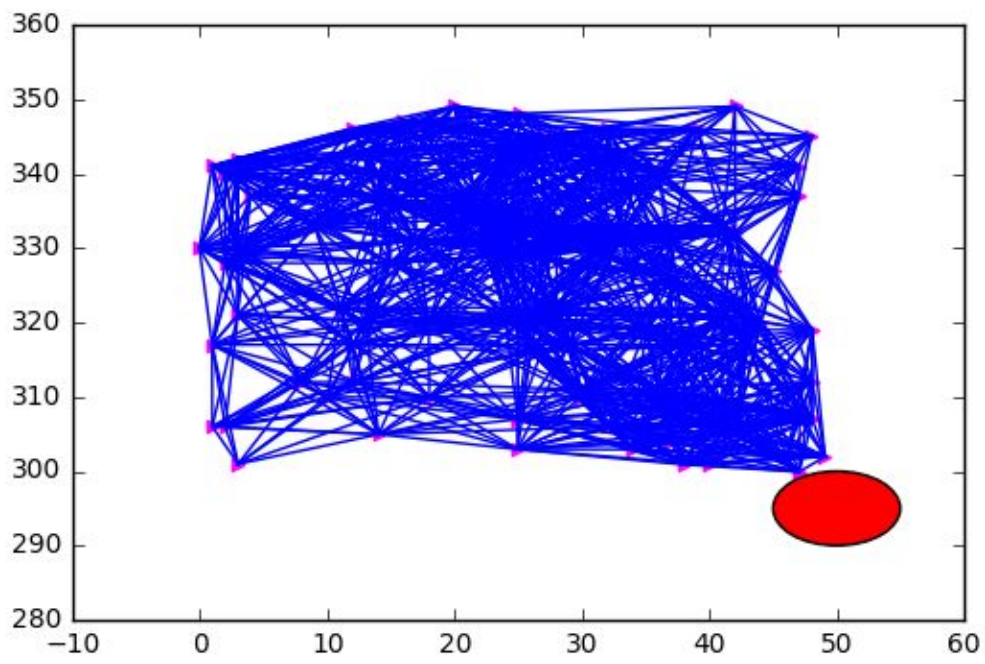


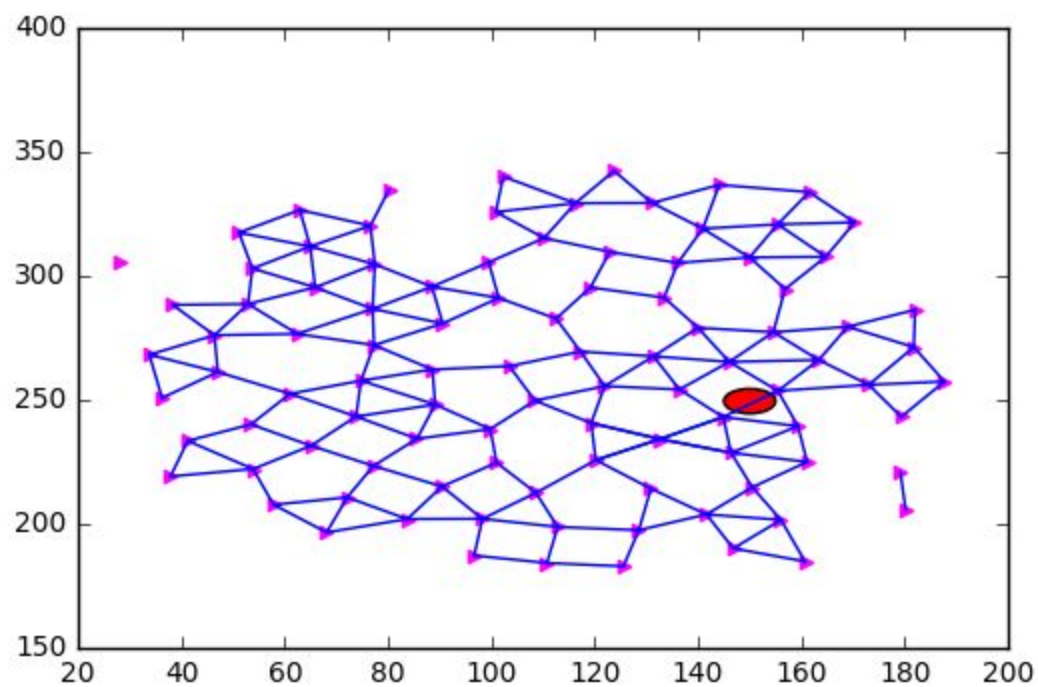
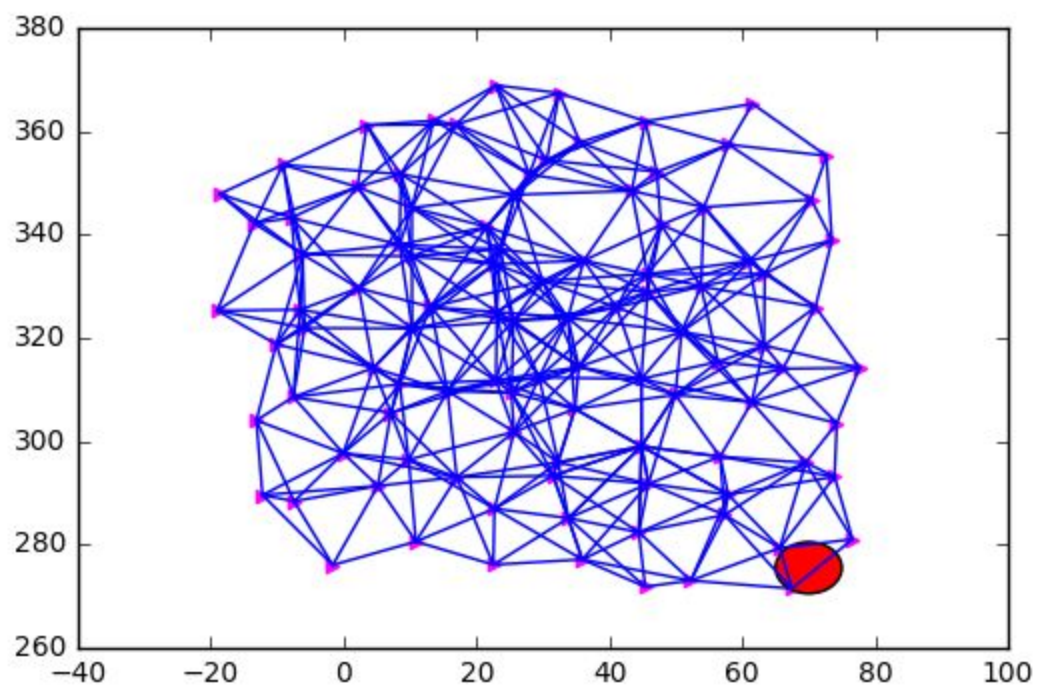
Case 3: Dynamic Target (Sine Wave Trajectory)

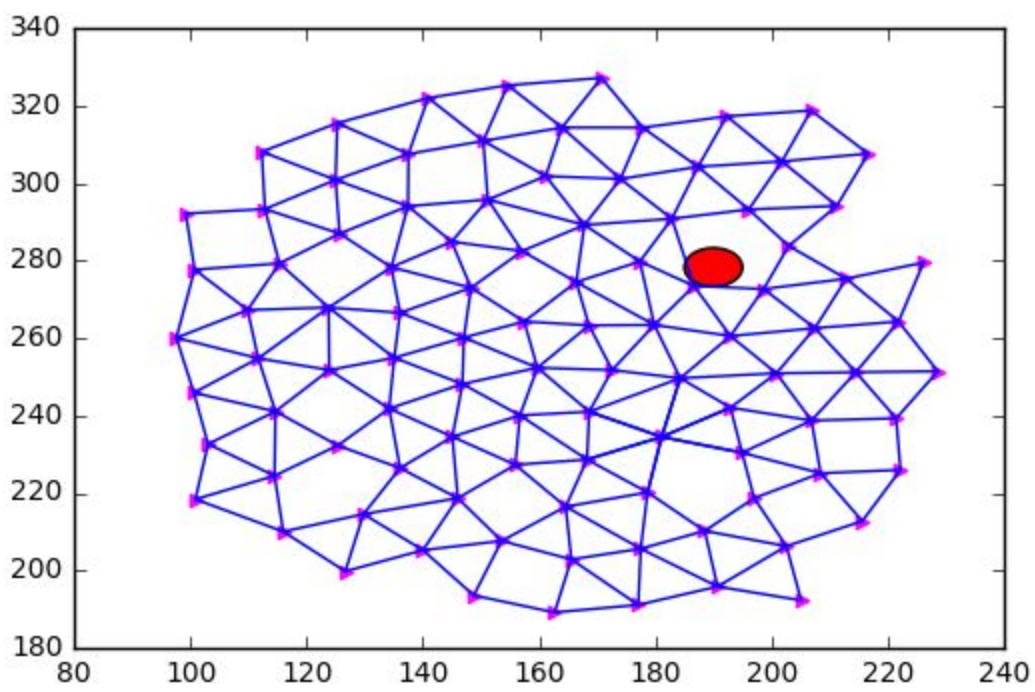
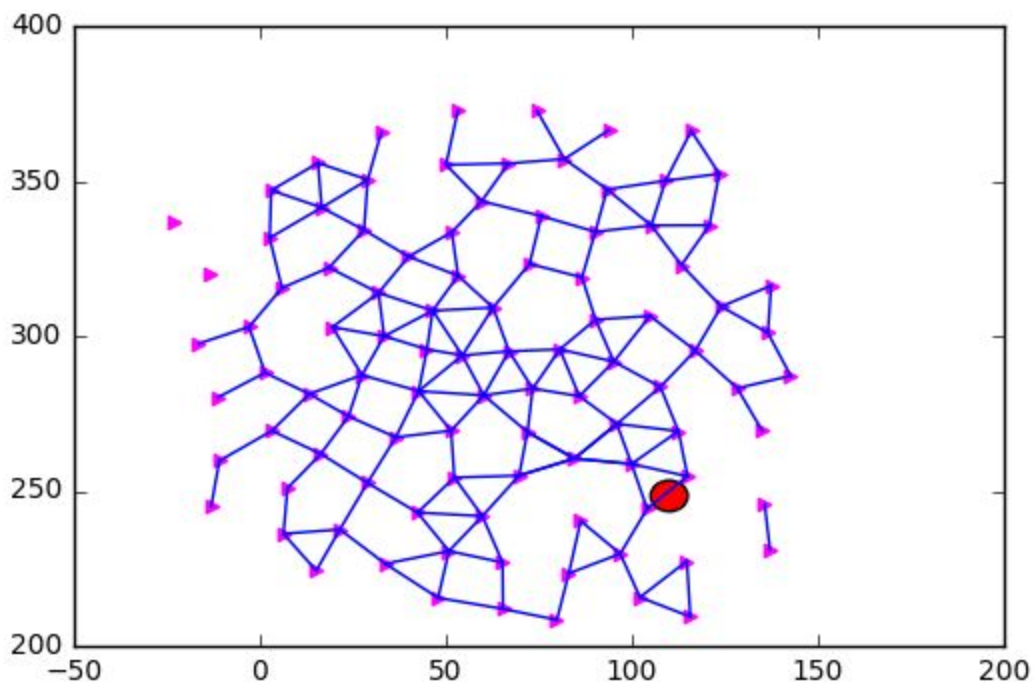
1. Initial Nodes

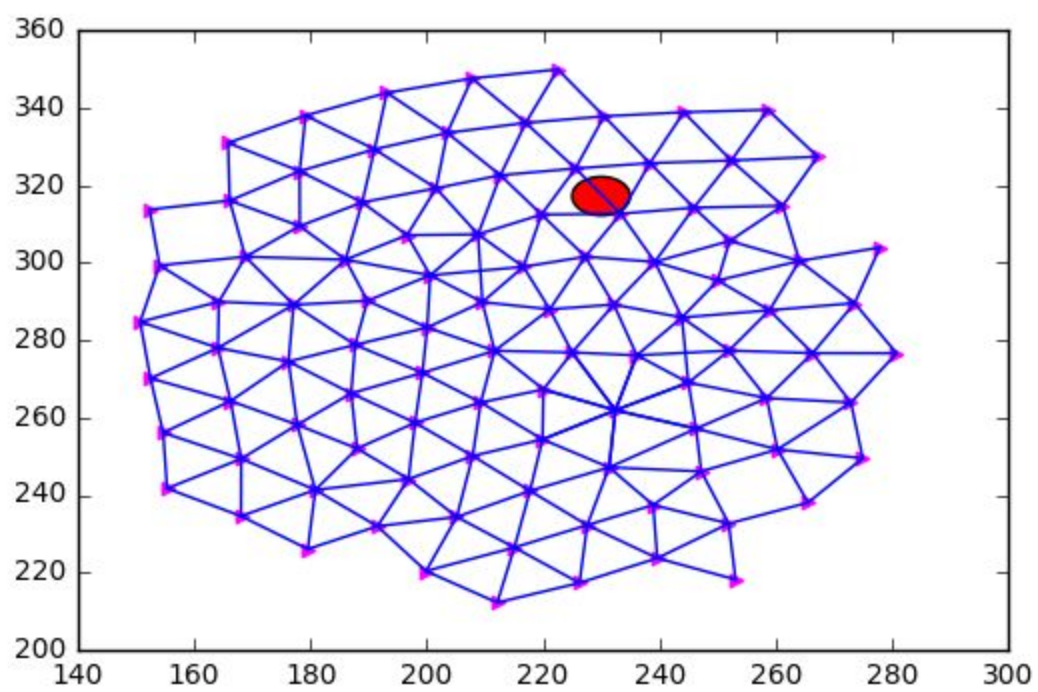


2. Snapshots

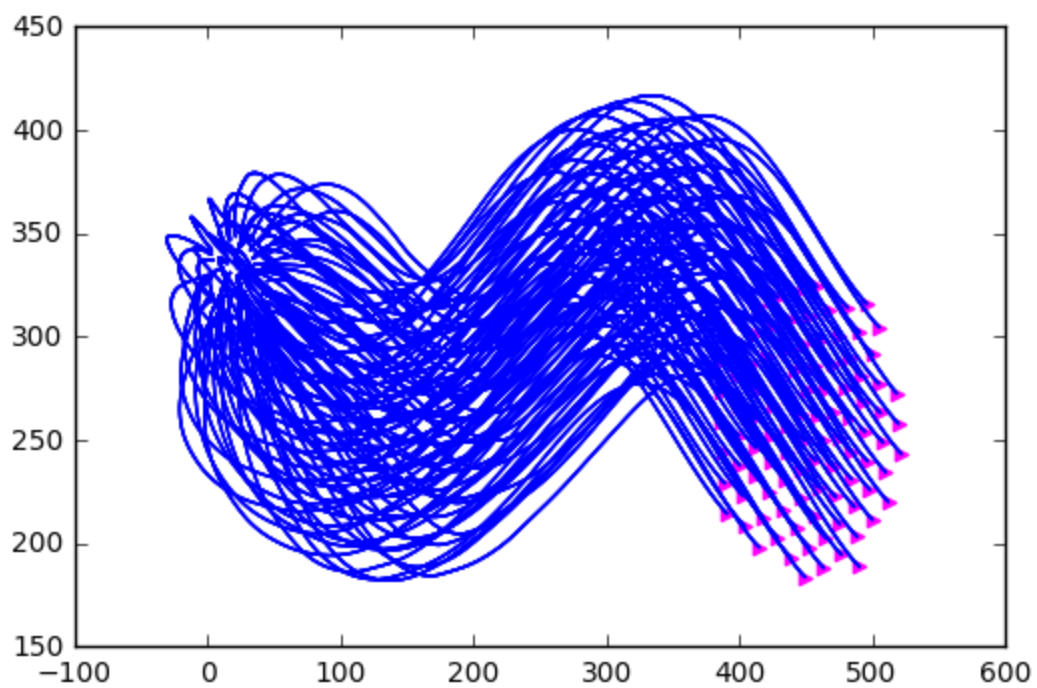




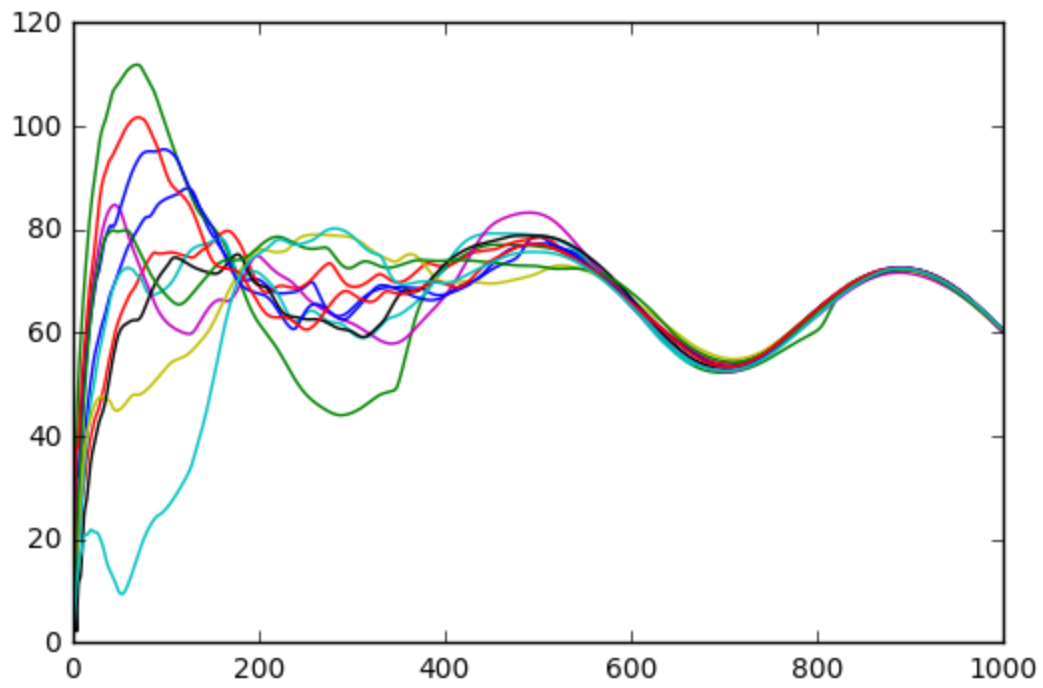




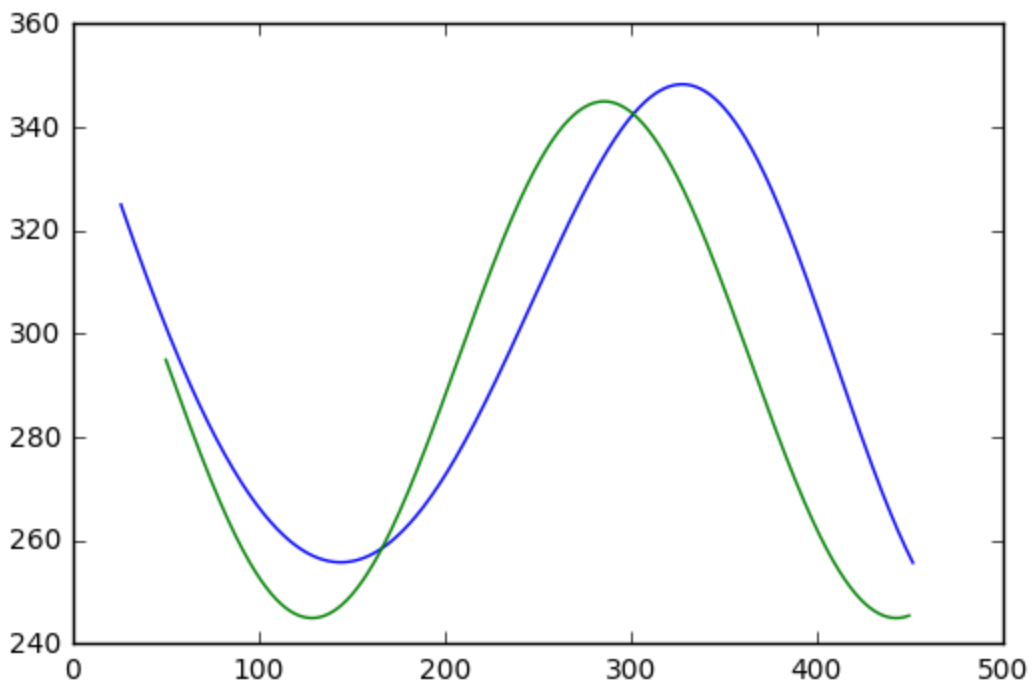
3. Trajectory



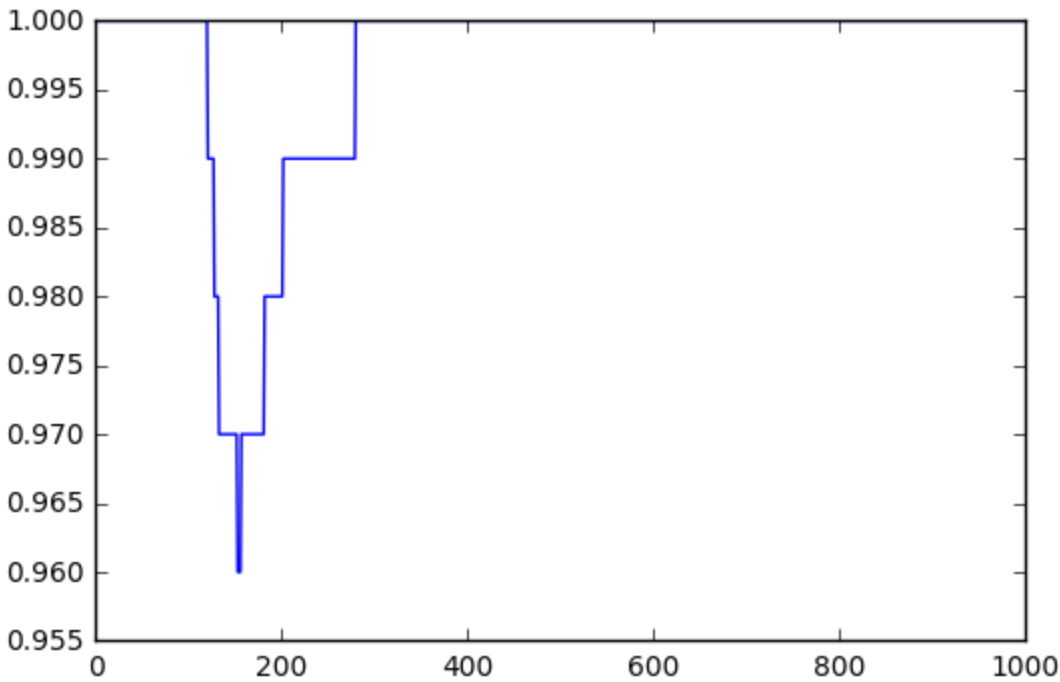
4. Velocity (first 10 nodes)



5. Center of Mass

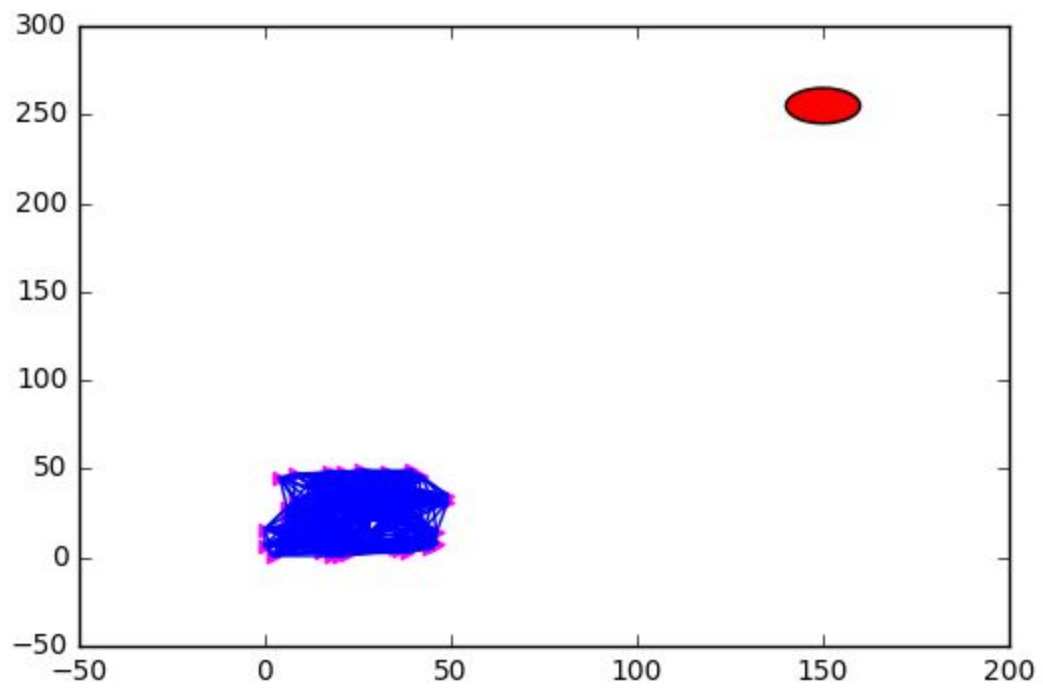


6. Connectivity

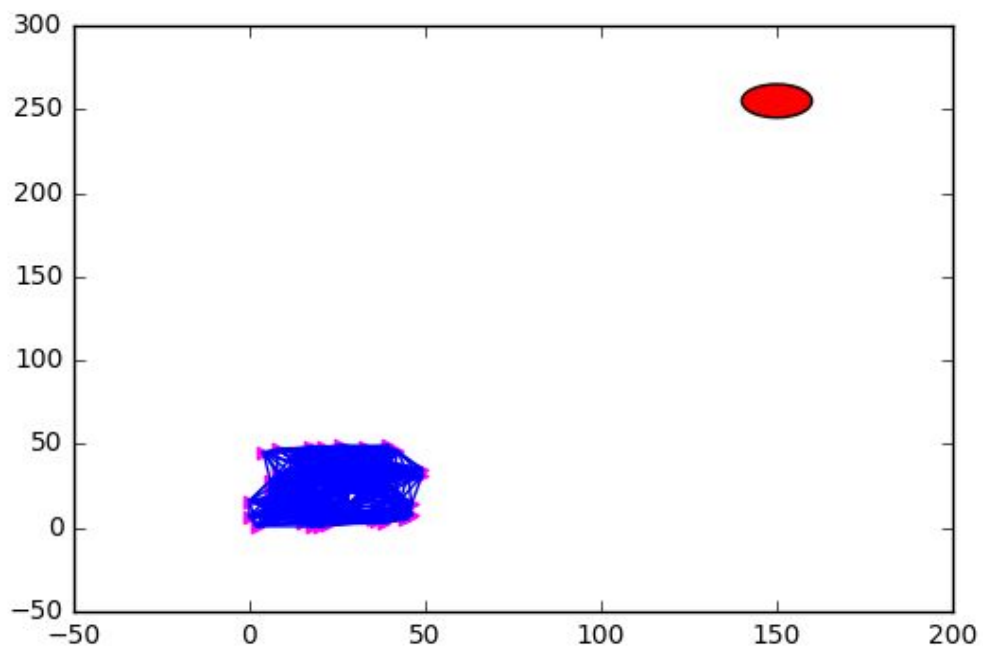


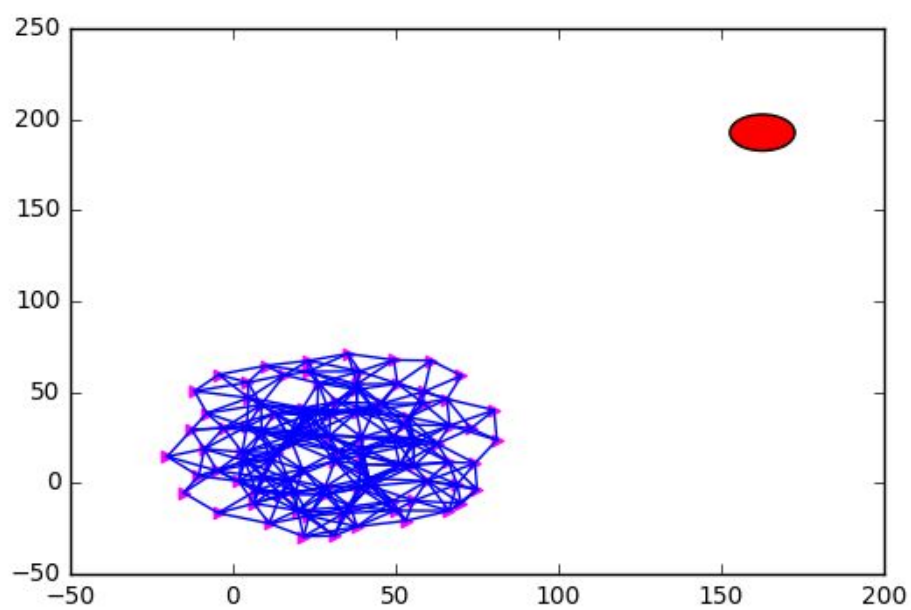
Case 4: Dynamic Target (Circle Trajectory)

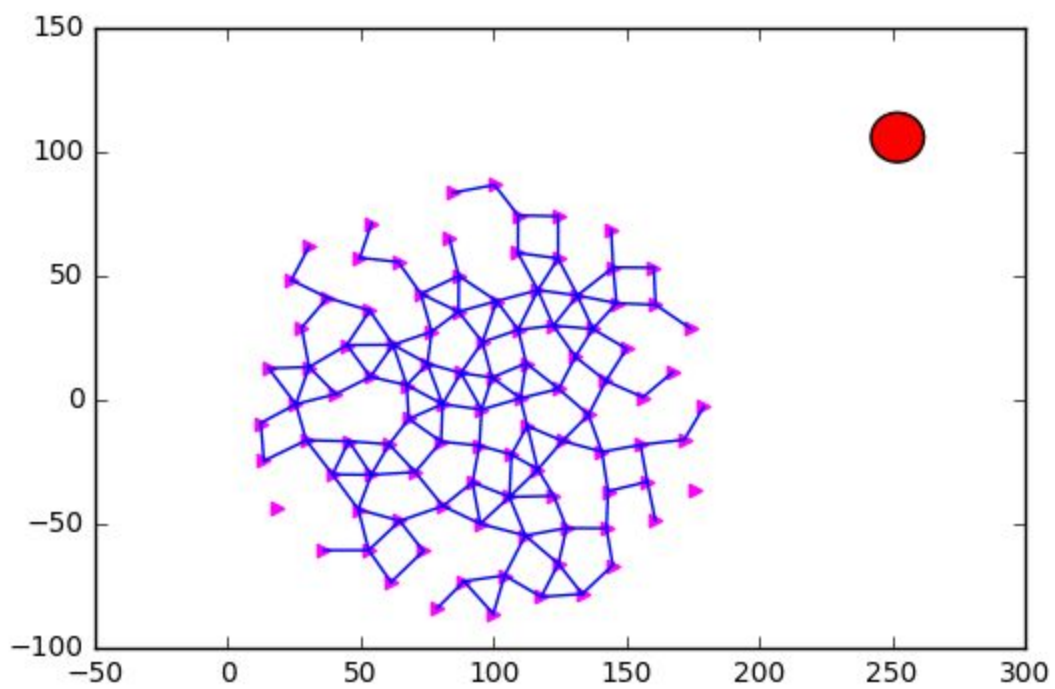
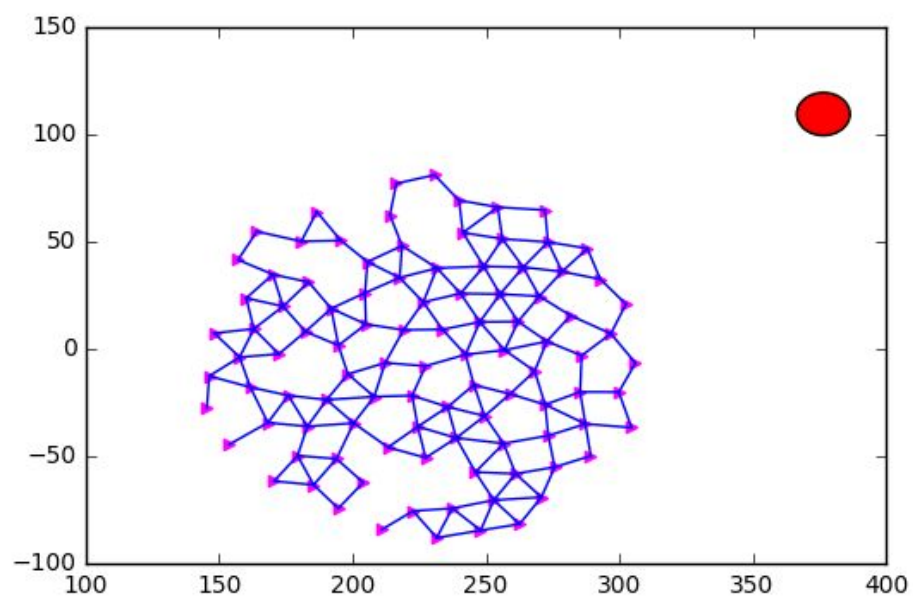
1. Initial Nodes

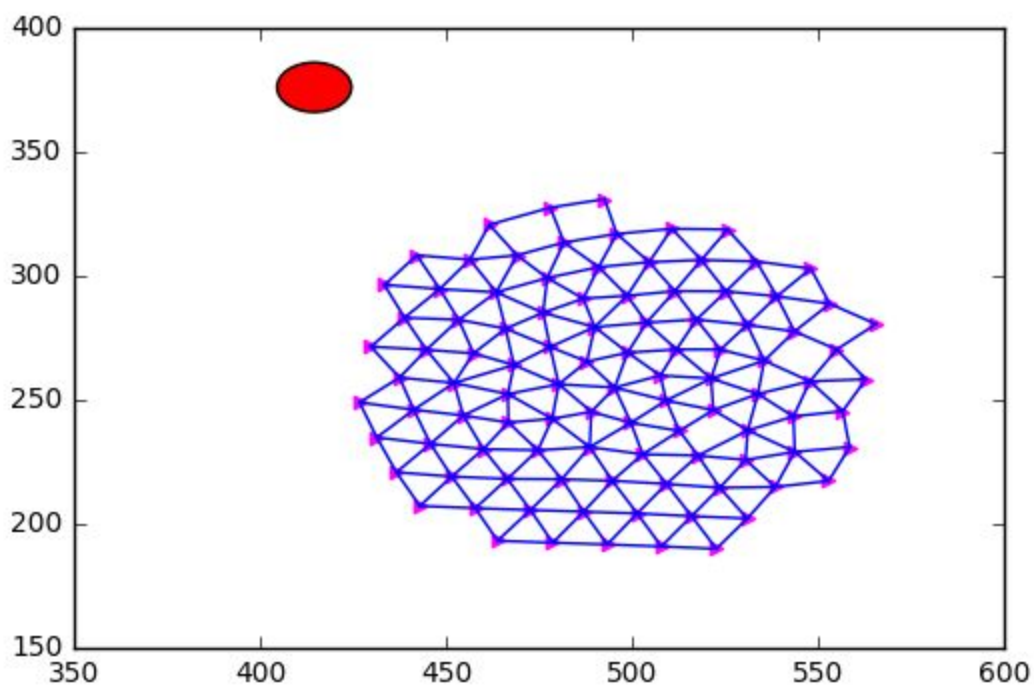
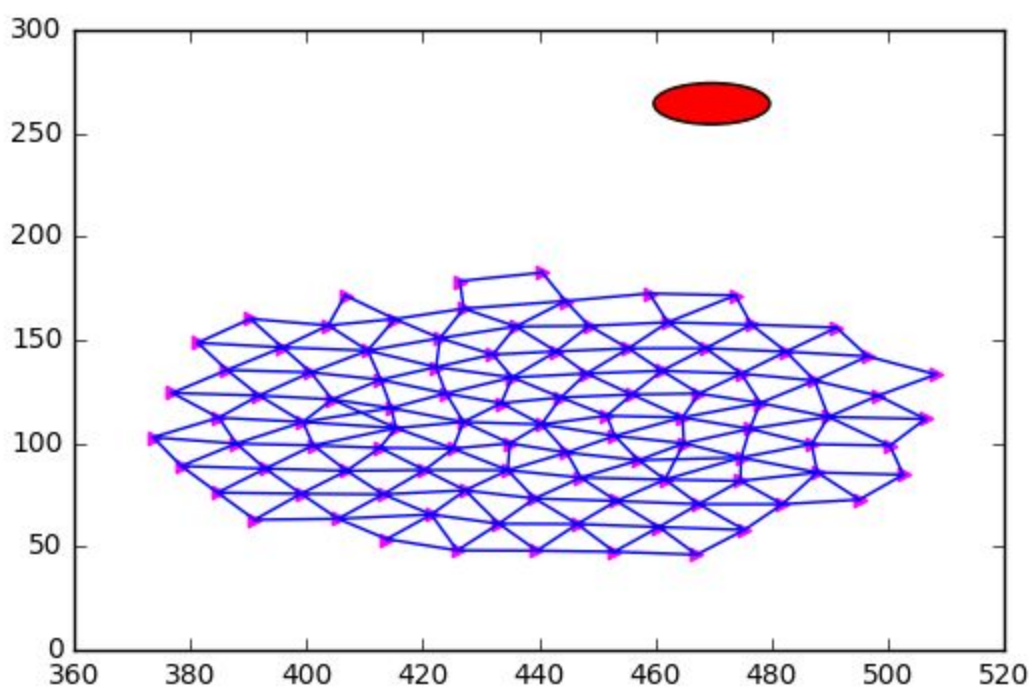


2. Snapshots

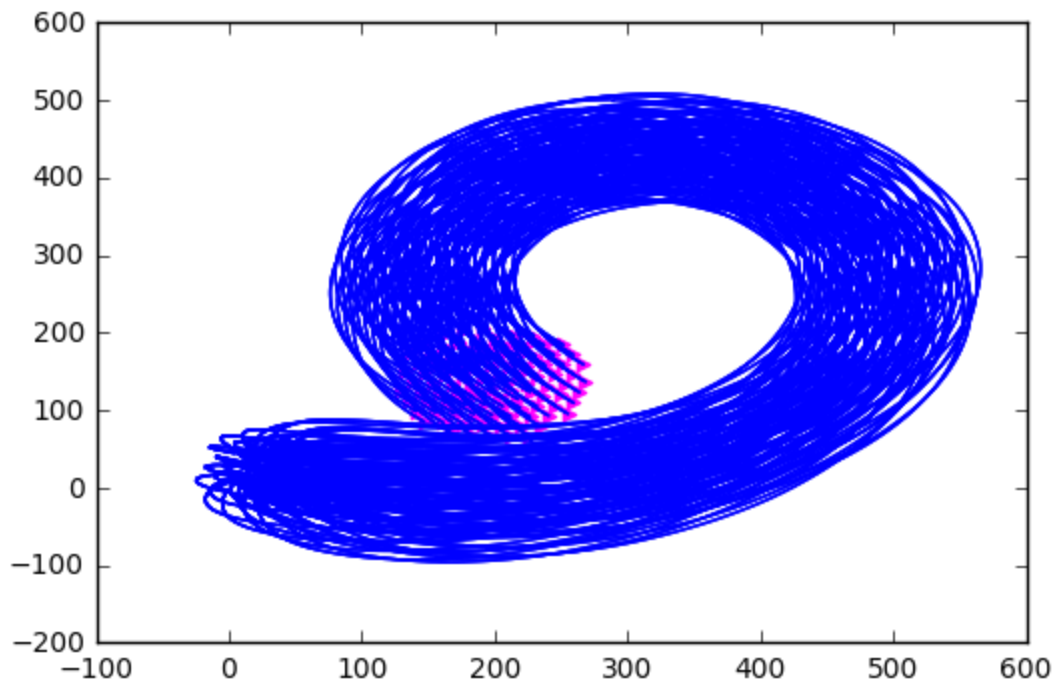




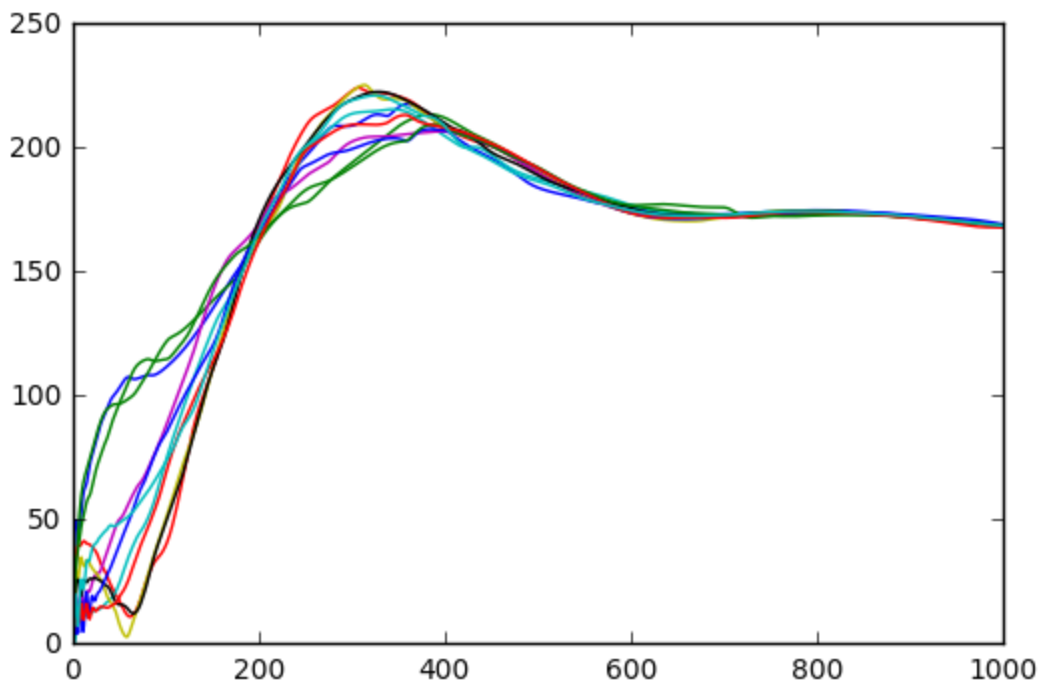




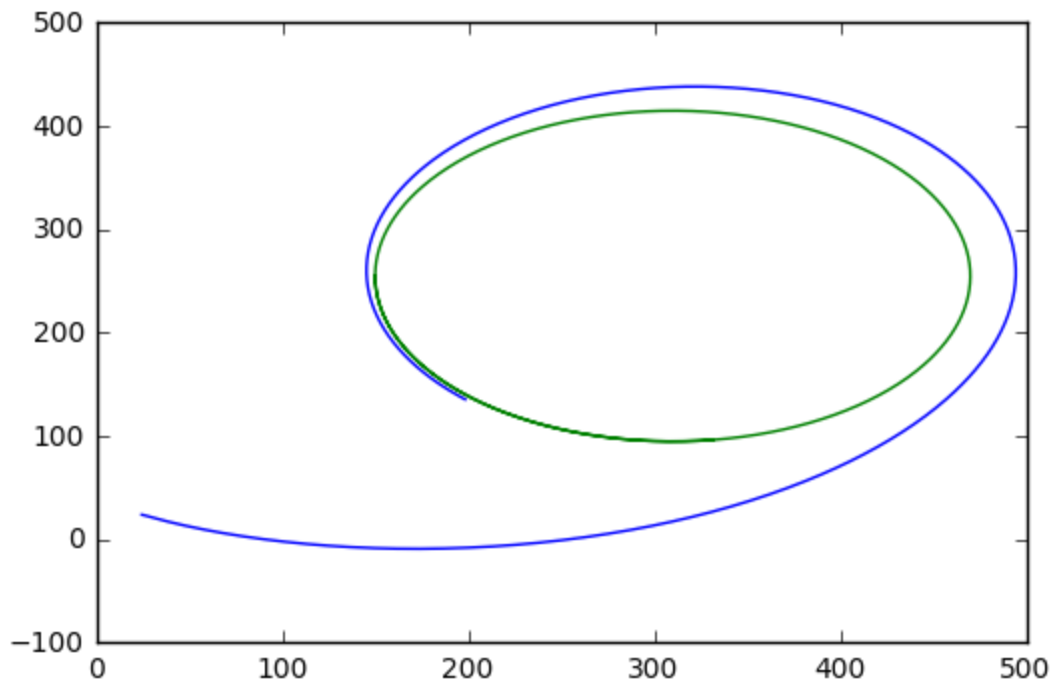
3. Trajectory



4. Velocity



5. Center of Mass



6. Connectivity

