

Weekly reports are to be emailed to [atbecker@uh.edu](mailto:atbecker@uh.edu) by 5:00pm on Tuesdays. The purpose of a weekly report is to: (1) give you text and images for your papers, thesis, and dissertation, (2) document progress, (3) identify if you are stuck or need resources.

## Weekly report

### 1. My Goals from last week

- Complete Convergence Plots for Circular Portions
- Manipulate the camera and magnetic forces on the Coil Setup
- Manipulate robot simulations in ROS on Stage using global keyboard inputs

### 2. My Accomplishments this week

- a. Presented journal paper on “Planning for unreliable navigation ...”
  - i. <https://github.com/danielbao/Miscellaneous>
    1. Presentation and Quiz are available here
- b. Particle and Magnetic Coil Demonstration
  - i. Camera image taken



- ii.
- c. Global manipulation of swarms in Stage

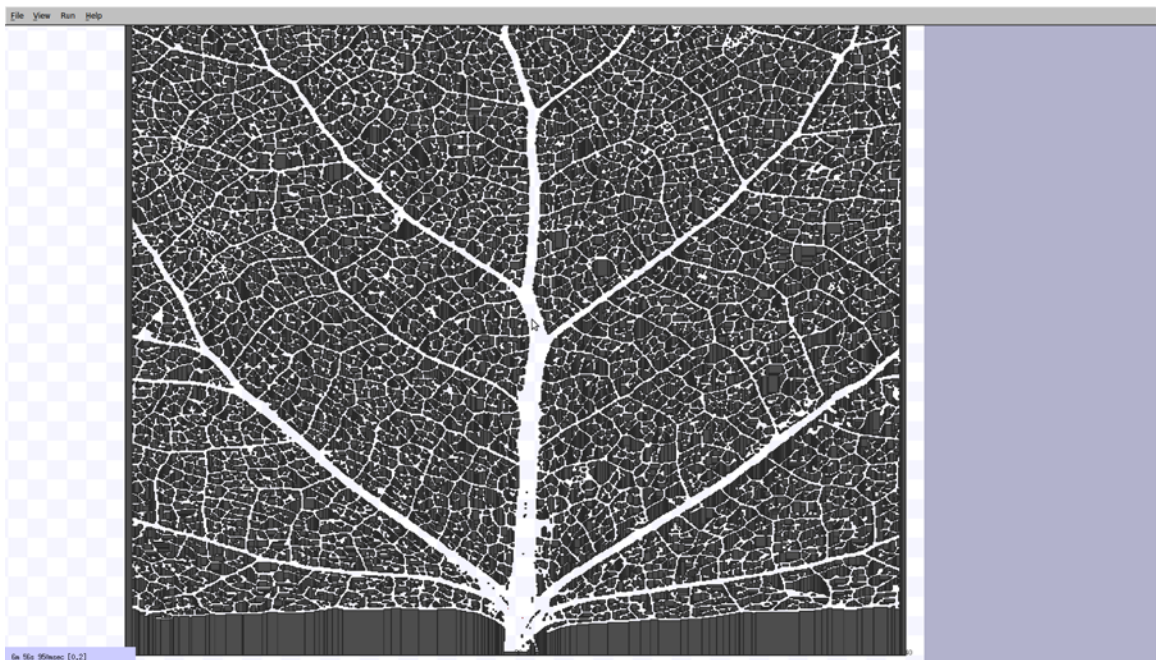


Figure 1: Screenshot of the leafBig map on ROS Stage.

### 3. My Goals for next week

- Redo the graphs for the linear convergence and look at the circular shape convergence
- Complete the magnetic coil setup MATLAB code understanding
- Modify Stage to not have exclamation points on the stalled movement.
  - a. Meeting with Dr. Becker on any afternoon this week.

### 4. What I need Dr. Becker to do:

- a. Continue meeting with me!