

Weekly report

1 *My Accomplishments this week*

1.1 *Project 1: Massive Uniform Control*

- Trying to get quotes and properties of new devices and materials, including paramagnetic particles, USB 3.0 camera, and objective lenses
- Fine calibrating the EM system, time-consuming mechanical work
- Investigated new dynamics for particles, with uniform magnetic fields for steering and oscillating gradient fields for fish-tail like propulsion
- CASE paper
- Time sheet: <https://drive.google.com/open?id=1LgOI4783jnWs3CjYf8lRabM0ixTHUJN9iCzz>

2 *My Goals for next week*

- 2D Simulation of magnetic field