Weekly report

1 My *Accomplishments* this week

1.1 Project 1: *Massive Uniform Control*

- Kept exploring dynamics of particles

- Fish-tail like horizontal oscillation: not work right now

- Sperm-tail like rotation: maybe it'll work in future

- Gradient fields attraction: maybe it'll work in future

- Changed the relative positions of 4 steel cores to have more magnetic fields

- MATLAB and Arduino communication via serial port: fast real-time control with delay time in micro second scale. The delay used to be 10 ms via MATLAB servo motor control function