

Weekly report

1 My Accomplishments this week

1.1 Project 1: Massive Uniform Control

- The measurement tool was made. Had the first try of workspace magnetic field measurement (see Fig. 1)
- Image processing code has been simplified and improved with basic target tracking.
- I realized that the EM system control code we developed from Henry's project ran at low efficiency. Therefore we had problem combining image feedback and EM system control. Henry used motor control module in which MATLAB re-uploads code to Arduino in every loop. Now I'm working on a more reasonable structure which MATLAB communicates with Arduino in real time instead of controlling motors directly.

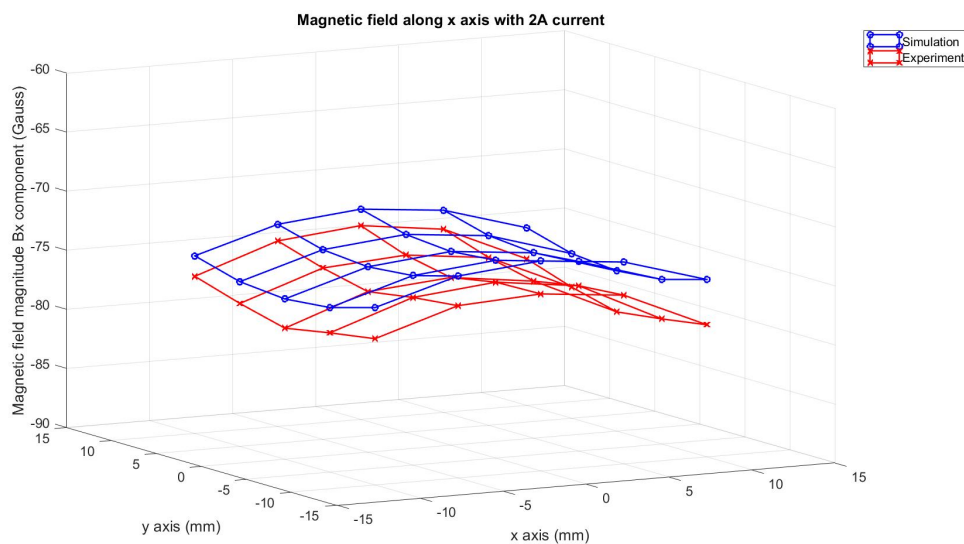


Figure 1: RSS poster

2 My Goals for next week

- MATLAB and Arduino communication.