Weekly Report - Week 1

(02.01.19 - 04.01.19)
Ina M. Sørensen

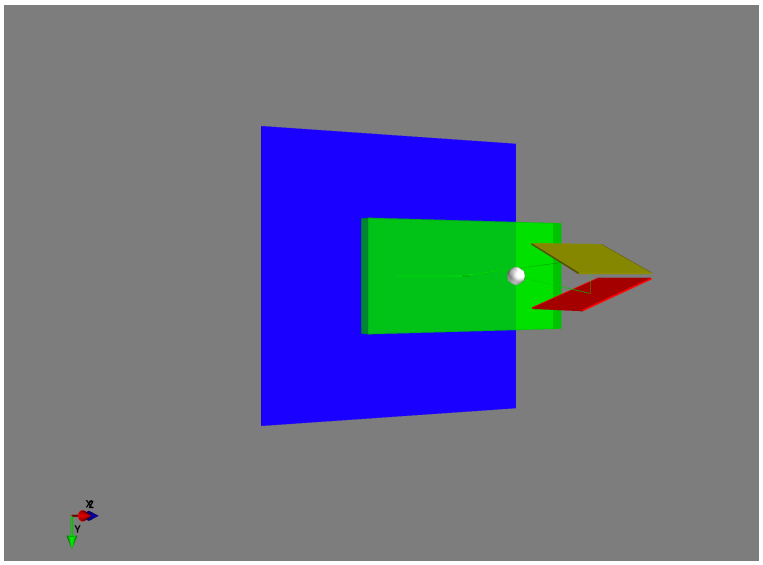
Project: Mapping RW Coordinates to Galvo Voltage

Project Status Summary:

Budget		Hrs This Week: 13 Hrs Total: 30
Schedule		So far ahead of plan. But might need to go back later to improve certain things
Quality		First part of the task did not present any issues
Risk & Issues		Might need to alter the plan as I go along. Doesn't make sense to build a full scale visual model before the calculations are in place

Key Accomplishments This Week:

- Visual system has been created (found here: https://github.com/Inamsorensen/LaserCalib/blob/master/LaserCalib/Visualisation/2dVis.py)
  - At the moment it is very simplistic and made entirely in Mayavi.
  - However, it includes all the major components: Laserbeam, mirrors, glass and shooting plate
  - It does to some extent complete task 2.1 and 2.4 since it is fully 3D



- Started reading up on laser calibration to help with task 2.2

Plans for Next Week:

- Continue reading about laser calibration
- Start to determine what calculations must be done to go from laser to world. Once I know this, I can start inverting it

Upcoming Deliverables for Next Week:

- None since visual system is sort of complete

Issues:

- **NB!** Still missing a GitLab project I can use. Currently using my public GitHub account.

- Would like to hear back about current visual system. Is it meant to be only for my own use? (if so, probably fine as is). Or is it meant to be used by others later? In which case it might be worthwhile writing it in Qt and OpenGL to make it more useable.

Risks:

- No major ones at the moment.
- May need to change the plan as I go along to move back and forth between tasks, since one might require the improvement of a previous task etc.