

Dissertation Weekly Report

April 10, 2015

Student: Francisco de Babo Martins

Supervisor: Lus Filipe Teixeira

Thesis: *Visual-Inertial based autonomous navigation of an Unmanned Aerial Vehicle in GPS-Denied environments*

1 Accomplishments

- Vanishing point detection in a video feed was successfully merged with the video stabilization method that was previously developed was the results are quite satisfying.
- Familiarization with the Hardware was initiated.

2 Difficulties

- Accessing the ROS driver in an IDE has proven to be not as straightforward as initially expected.

3 Notes

- A meeting with the supervisor was scheduled for the 13th of April at 16:00 PM.