

Dissertation Weekly Report

April 17, 2015

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Supervisor: Lus Filipe Teixeira

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

1 Accomplishments

- Familiarization with the Hardware continues.
- Integration of the Vanishing point detection algorithm in the Drone was initiated.

2 Difficulties

- The available documentation on the ROS website is extensive which may cause the familiarization with the hardware too time consuming.
- The installation and initial set-up of the ROS driver and the required dependencies took a lot of time.

3 Notes

- A meeting with the supervisor was scheduled for the 20th of April at 16:00 PM.