Autonomous Flight of Micro Air Vehicles 2015 - Group 6

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ABSTRACT

This should be done at the end

1 INTRODUCTION

1. Overall introduction of the project
2. Equipment - Opti-track, AR.Drone 2.0
3. Software - Paparazzi

2 VISION ALGORITHM

2.1 *Vision-based Navigation in the Literature*

Here we talk about the vision algorithm used in the literature

2.2 *Own Vision Algorithm*

Here we talk about our own method and the reasons for the choice

3 FLIGHT PLAN

3.1 *Flight Plan I - Moving Waypoints*

Seong's flight plan

3.2 *Flight Plan II - Fixed Waypoints*

Peng's flight plan

3.3 *Discussion and Choice of Flight plan*

Comparison and discussion.

4 SIMULATION

4.1 *Linear Simulation*

Yazdi's method and results

4.2 *MATLAB & Paparazzi Simulation*

Seong's method and results

5 COMPETITION RESULTS

6 DISCUSSION & CONCLUSION

REFERENCES

APPENDIX A: DATA

APPENDIX B: MORE DATA

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