



Implementation of a Formation Controller on CubeSat Flight Software (Master Thesis/ Practical)

NetSat is a satellite formation flying mission currently under development. The aim of this mission is to demonstrate autonomous formation flying of 4 CubeSats. A formation controller is currently under development and should be transferred to flight software.

Tasks

- Understanding of existing formation controller (Matlab / Java)
- Transfer/ implementation in flight software (Microcontroller, C)
- Hardware-in-the-Loop testing and verification

Required Previous Knowledge

Background in control theory, programming skills (C, Matlab)

Language

German or English

Contact

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