



Thermal- & Structural Analysis on CubeSats (ZfT – Space: Master Thesis)

Motivation

The aim of this master's thesis is the simulation of CubeSats (1U-3U) under thermal and mechanical stresses using ANSYS and SOLIDWORKS.

Tasks

- Introduction to simulation applications
- Definition of simulation scenarios
- Simplification of CAD designs for simulations
- Simulations and post-processing

Experience

- Experience with CAD (useful)
- Experience with thermal & structural simulations (useful)
- CubeSat knowledge (required)
- Enthusiasm (required)

Contact

Dipl.-Ing. Roland Haber, roland.haber@telematik-zentrum.de

