

Master thesis

Simulation and Measurement of UAV Rotor Interaction Resulting from Wake Crossing



In many fully actuated multicopters, the single rotors influence each other aerodynamically, for example by crossing wakes. The influence of this wake crossing is to be systematically investigated using flow simulations and measurements.

Sub topics:

- Implementation and use of flow simulations
- Measurement data analysis

Contact

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Helpful prior experience

- Ansys Fluent
- HPC computing
- Matlab

