Data Acquisition of Propeller Blade
Bachelorarbeit / HiWi Position at ISM available

Description:

In order to perform future CFD calculations of a **propeller blade of a quadcopter**, it is necessary to first obtain its geometry on a CAD format. This can be done through methods such as **laser scan techniques** or the **photogrammetry method**. Afterwards, low order calculations have to be performed in order to obtain its parameters such as trust and toque.

Task:

1. Perform the geometrical acquisition of a specific propeller blade through the laser scan and photogrammetry methods.
2. Obtain a clean model for future CFD calculations.
3. Perform low order calculations to obtain aerodynamic parameters of the propeller.

Requirements:

- Interest in experimental and numerical tasks
- Knowledge of CAD tools

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