



Propeller Propulsion Systems – Investigation and Efficiency Calculation in PrADO

Task for an *Internship*

Background

This internship takes place as part of the aircraft design research project “Green Freighter” on unconventional cargo aircraft with alternative propulsion systems. One aspect of this research project is the investigation of a propeller-driven Blended Wing Body. The aircraft design program PrADO is used for the investigation. However, PrADO is so far limited to jet aircraft.

This is a Bishop GmbH internship in cooperation with Hamburg University of Applied Sciences and Airbus GmbH. Place of work is both at Bishop GmbH and at the University.

Task

The intern shall undertake a literature study on propeller propulsion systems and propeller efficiency calculation methods and tools. Afterwards, the findings shall be used to setup a new module on propeller analysis inside PrADO.

The results shall be presented in a technical report that has to be written according to German or international standards on report writing.

Contact

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More Information

The "Green Freighter" project is coordinated at Hamburg University of Applied Sciences. Information on the project: <http://GF.ProfScholz.de> Contact Prof. Dr. Scholz or Kolja Seeckt (Seeckt@fzt.haw-hamburg.de; +49-40-42875-7910) for more information on the technical contents of the work.