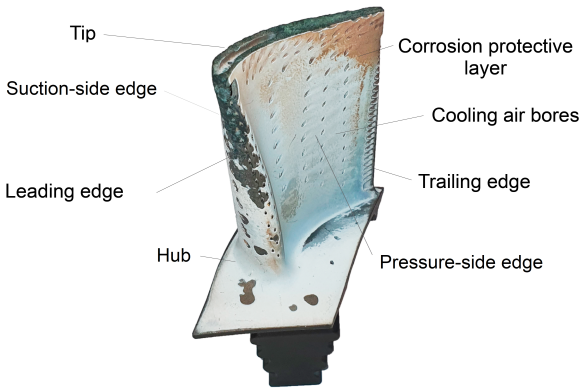
Leibniz Universität Hannover

Institut für Turbomaschinen und Fluid-Dynamik

Bachelor's thesis/Master's thesis/Student project
Geometric alignment of digitised turbine blades/vanes

Background

For saving resources and reducing CO_2 emissions in the maintenance of jet engines, we are developing methods that enable an automated aerothermodynamic evaluation of digitised turbine vanes.



Adapted from: Goeing et al. (2022)

Your possible tasks

- Literature review
- Numerical alignment of digitised turbine vanes using MATLAB
- Numerical determination of hub and shroud contours of digitised turbine vanes using MATLAB
- Documentation

Contact

If your are interested in one of these tasks, please send me an Email with a brief explanation of what you are studying (study programme and semester) and why you are interested. Complete application documents are not required. If you have any questions, do no hesitate to contact me.

Maximilian Dammann

Email: dammann@tfd.uni-hannover.de
Phone: +49 511 762 2242