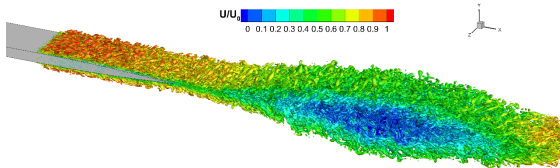


Studien- or Masterarbeit (EN/DE)

OBJECTIVE: Identification of Model Parameters and Uncertainties of turbulence closures based on the Reynolds-averaged Navier-Stokes Equation for Complex Flows

TASKS:

- Familiarisation with second order turbulence closures (Reynolds Stress Models) and Uncertainty Quantification (via Bayesian updates and Surrogate Modelling)
- Numerical simulations of complex flows
- Estimation of coefficients in turbulence models (Parameter Identification) and Model error estimation



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