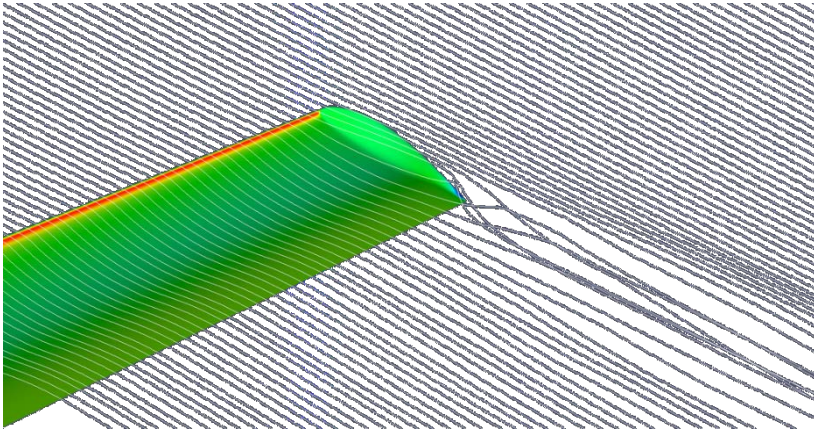
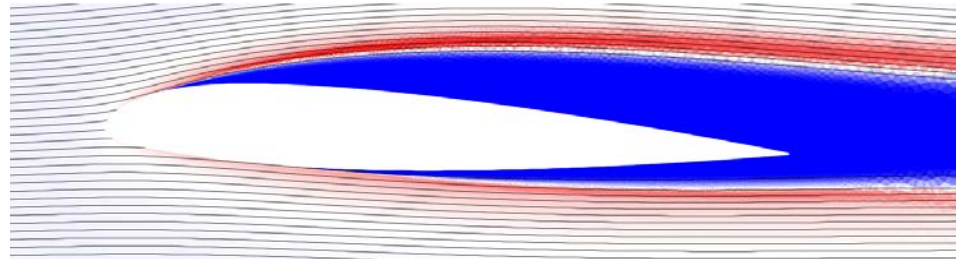


# Collection Efficiency of a blade tip

(Studienarbeit)

## Subject

Numerical study of the effect of the tip vortex on the Collection Efficiency of a blade tip



## Steps

- Introduction in
  - particle trajectories
  - ANSYS (SpaceClaim, Meshing, Fluent)
  - DICEPS (inhouse software for particle trajectories)
- 3D RANS simulation with ANSYS
- 3D simulation with DICEPS
- Comparison of the results with results from literature