

Numerical study of the effect of end of suction on an airfoil in adverse pressure region

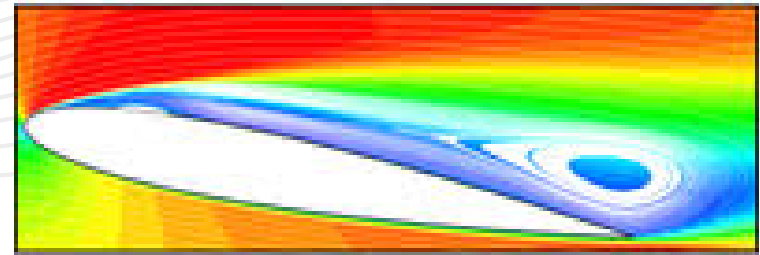
Master thesis

Study objectives:

- To investigate the physical phenomenon when the suction ends in adverse pressure region.
- 2d airfoil with suction on the rear side, at various Reynolds number and suction rates

Tools:

- DLR TAU solver (RANS or Hybrid RANS/LES)
- Stability tools : Boundary layer (COCO) and LST (LILO) solvers



Required:

- Master student who completed his course work CFD and aerodynamics

Start date: From October, 2021

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