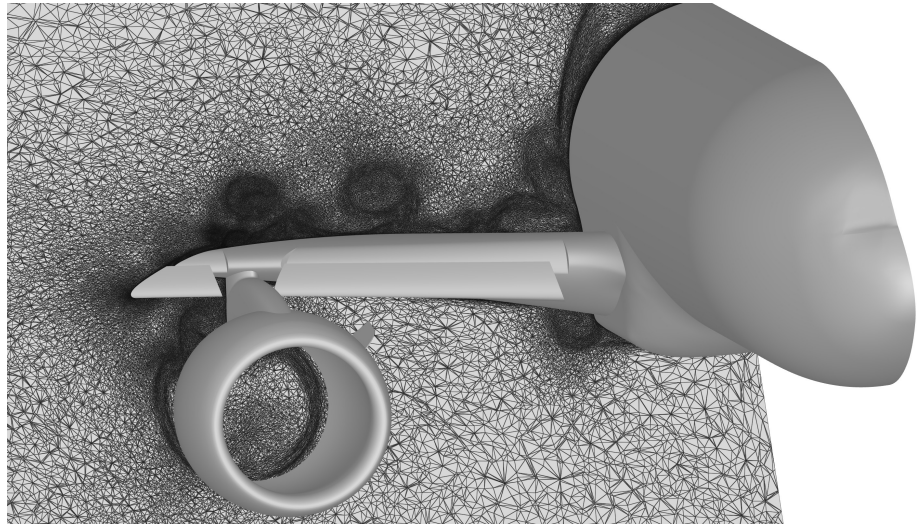
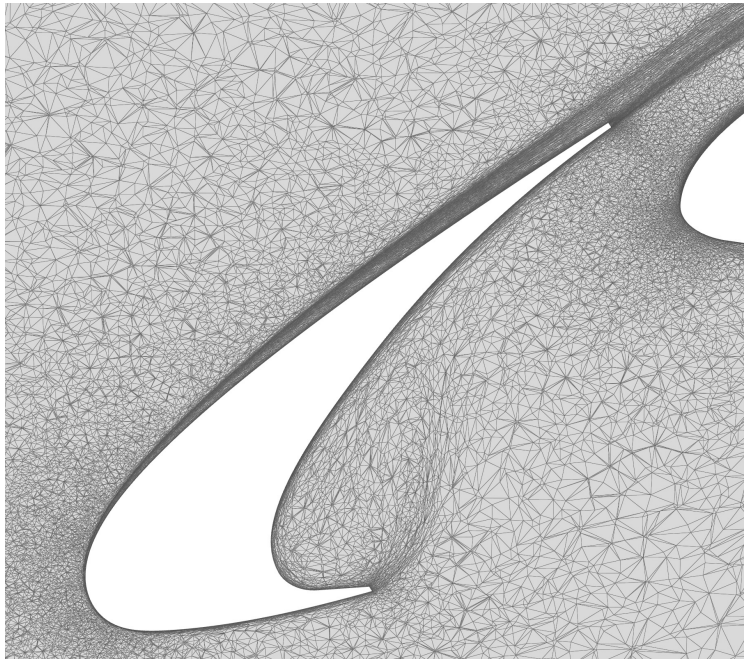
A-004 & Inria

- Flow solver: WOLF
- Spatial discretization: 2nd order Mixed Finite Volume – Finite Element
- Time integration or iteration method: Implicit BDF1 with NL-SGS solver
- Name of committee grids (or “self-prepared”): Self-prepared
- Cases submitted: Case2.1, Case2.2, Case2.3, Case2.4
- Initialization method: Uniform flow on an extra coarse mesh
- Remesher: FEFLO.A
- Turbulence model: SA-Neg-noft2 and SA-Neg-noft2-QCR-R
- Convergence/stopping criteria: pressure and viscous drag and lift
- Metric construction: Goal-oriented error estimate based on the lift
- Relevant publications related to solver, remesher, and/or high-lift applications





F. Alauzet and L. Frazza, Feature-based and goal-oriented anisotropic mesh adaptation for RANS applications in aeronautic and aerospace, *J. Comp. Phys.* , Vol. 439:110340, 2021.

F. Alauzet, F. Clerici, A. Loseille, C. Tarsia-Morisco, and J. Vanharen, Some progress on CFD high lift prediction using metric-based anisotropic mesh adaptation, *Proc. of AIAA SCITECH 2022 Forum, AIAA-2022-0388*, San Diego, CA, USA, January 2022.