R-021 & Polytechnique Montréal

- Flow solver: CHAMPS
- Spatial discretization: Finite-Volume, cell-centered, 2nd order
- Time integration or iteration method: pseudo-time
- Name of committee grids (or “self-prepared”): POINTWISE
- Cases submitted: TC1, TC2.1 TC2.2 TC2.3 TC3.2 TC3.3 TC3.4
- Initialization method: Warm Start
- Turbulence model: SA-NEG
- Convergence/stopping criteria: The mean coefficient over the last 20% iterations CL_{mean} is computed. The computation is stopped if $0{,}99CL_{mean}<CL<1{,}01CL_{mean}$ over the last 20% iterations. CFL is ensured to be high enough.
- Relevant publications related to solver and/or high-lift applications