R-005 Politecnico di Milano

- Flow solver: SU2

- Spatial discretization: finite volume, standard edge-based structure on a dual grid with control volumes constructed using a median-dual, vertex-based scheme.

- Turbulence model: SA

- Iteration method: Steady simulation with Fictitious Time-Stepping

- Convergence/stopping criteria: Relative variation of Cl over last 100 iterations lower than 1e-6

- Cases submitted: 1, 2.01, 2.02

- Grids: 1.R.01, 2.R.01

- Relevant publications related to solver and high-lift applications:

  [1] Palacios, F.; Alonso, J.; Duraisamy, K.; Colonno, M.; Hicken, J.; Aranake, A.; Campos, A.; Copeland, S.; Economon, T.; Lonkar, A.; Lukaczyk, T.; and Taylor, T., *"Stanford University Unstructured (SU^2): An open-source integrated computational environment for multi-physics simulation and design."* In *51st AIAA Aerospace Sciences Meeting including the New Horizons Forum and Aerospace Exposition*. American Institute of Aeronautics and Astronautics, 2013.

  [2] Matiz-Chicacausa, A.; Escobar, J.; Velasco, D; Rojas, N..; and Sedano, C., *"RANS Simulations of the High Lift Common Research Model with Open-Source Code SU2."* In *Numerical Simulation of the Aerodynamics of High-Lift Configurations*, pages 93–111. Springer, 2018.