

A-003.3 & Boeing Research & Technology

- Flow solver: BCFD
- Spatial discretization: HLLE++ 2nd order scheme
- Time integration or iteration method: implicit Gauss-Seidel method
- Name of committee grids (or “self-prepared”): self-prepared
- Cases submitted: Case2.1, Case2.2, Case 2.4, all for the two low AoA’s
- Initialization method: start from uniform freestream flow
- Remesher: EPIC
- Turbulence model: pure SA model
- Convergence/stopping criteria: intention to reach grid-converged lift or drag
- Metric construction: output based (adjoint) or feature based
- Relevant publications related to solver, remesher, and/or high-lift applications
 - T. Michal, D. Kamenetskiy, and J. Krakos, "Comparison of Fixed and Adaptive Mesh Results for High Lift Prediction Workshop 3", June 04, 2017.
 - T. Michal and J. Krakos, “Anisotropic Mesh Adaptation Through Edge Primitive Operations”, AIAA-2012-159-733, January 9, 2012.
 - A. Cary, A. Dorgan, and M. Mani, “Unstructured Grid Solution Accuracy and Mesh Dependency”, AIAA 2010-0028, January 2010.