

L-009 Gulfstream Aerospace

- Flow solver: FUN3D
- Spatial discretization: node-based finite volume
- Time integration or iteration method: time accurate
- Name of self-prepared grid: C24_ONERA_MS10_N_S100
- Cases submitted: Case 2.4
- Initialization method: Free-stream (from scratch)
- Grid topology: mixed-element, primarily prisms and tets
- Typical DoF per eqn (Case 2.4): ~208 million nodes
- HRLES model family: DDES
- Underlying RANS model: SA
- Typical time step normalized by CTU: 0.00046
- Target wall-normal grid spacing normalized by MAC or y^+ value: $y^+ = 1$
- Aspect ratio range (tangential spacing/wall-normal): ≤ 10