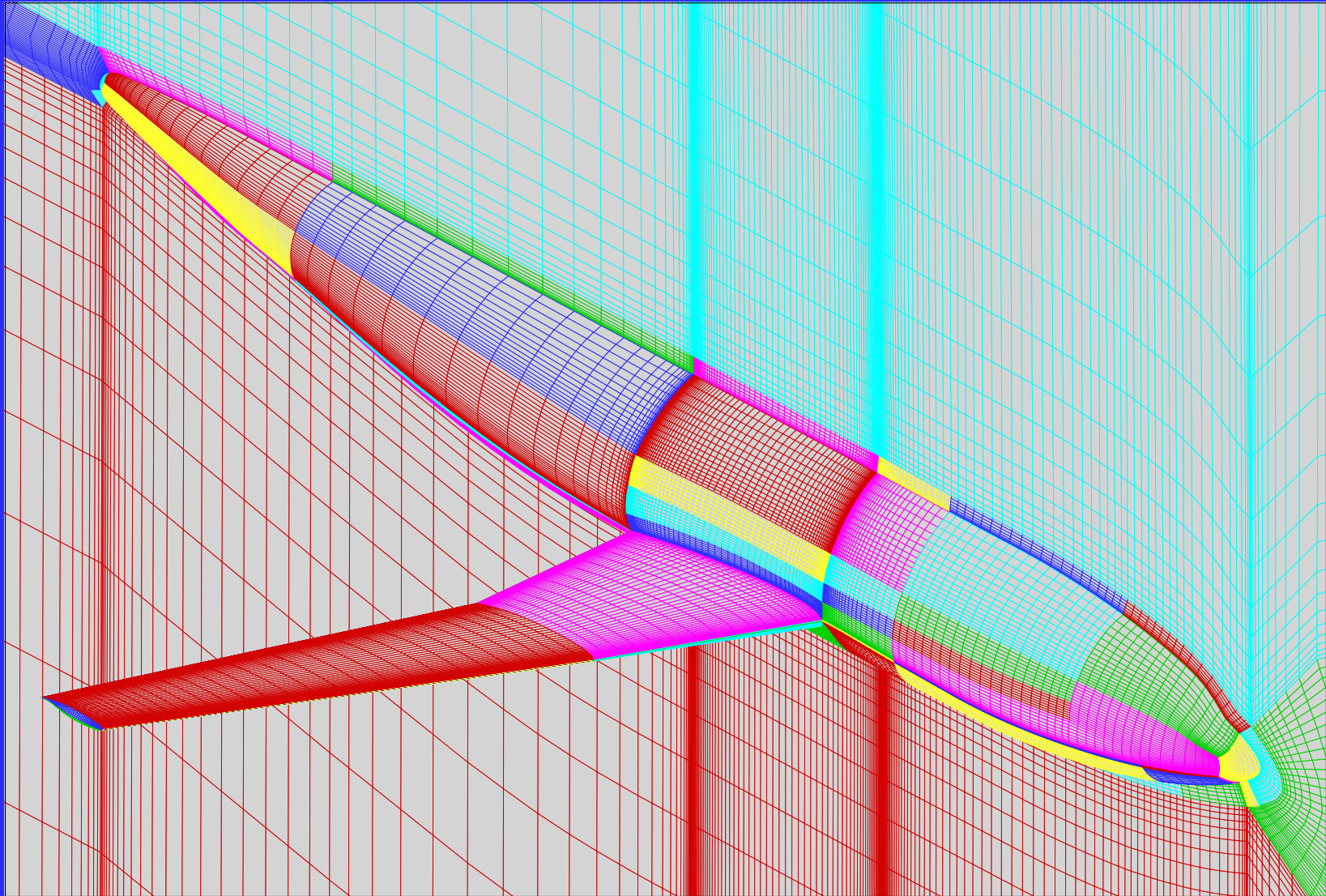
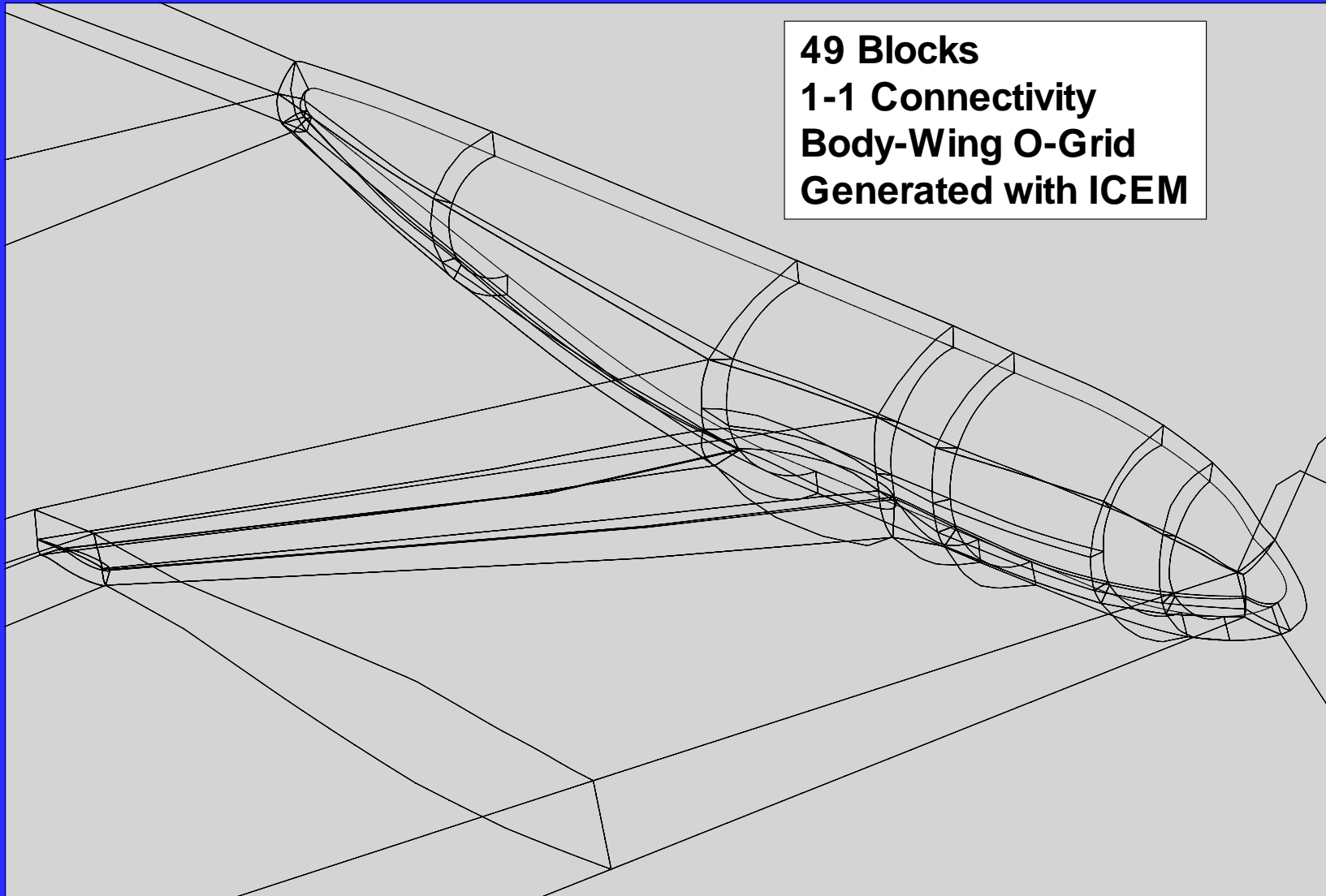


AIAA CFD Drag Prediction Workshop

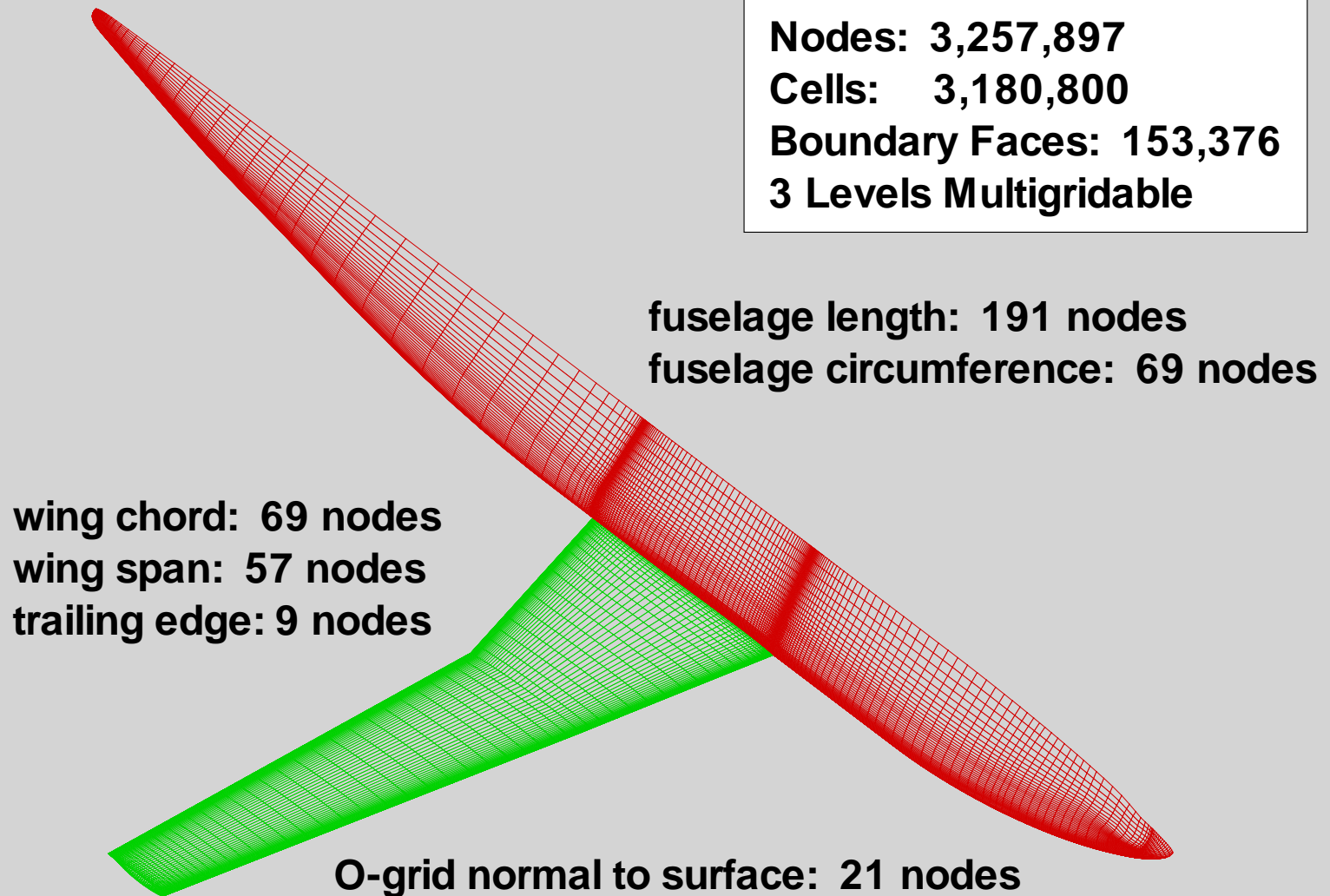
DLR-F4 Wing-Body Structured Multiblock Grid



DLR-F4 Wing-Body Structured Multiblock Grid Blocking Topology



DLR-F4 Wing-Body Structured Multiblock Grid Dimensions



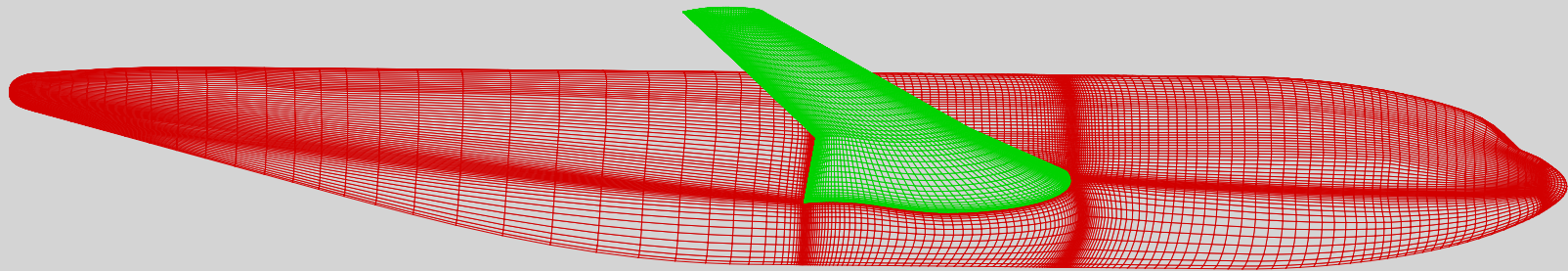
DLR-F4 Wing-Body Structured Multiblock Grid Spacing

BL 1st-Cell Height:
max: 0.004 mm
min: 0.0005 mm

At $Re = 3 \times 10^6$...
 $y^+_{max} = 3.0$
 $y^+_{min} = 0.025$
 $y^+_{ave} = 0.93 < 1.0$

Hyperbolic Spacing

Stretching Ratio:
1.1 - 1.3



wing spanwise spacing at ...
root : 1.0 mm = 0.007c
tip: 0.9 mm = 0.006c

wing chordwise spacing at ...
root LE: 0.32 mm = 0.002c
root TE: 0.38 mm = 0.003c
tip LE: 0.09 mm = 0.0006c
tip TE: 0.11 mm = 0.0008c