Mesh for AIAA-DPW4 Web Upload

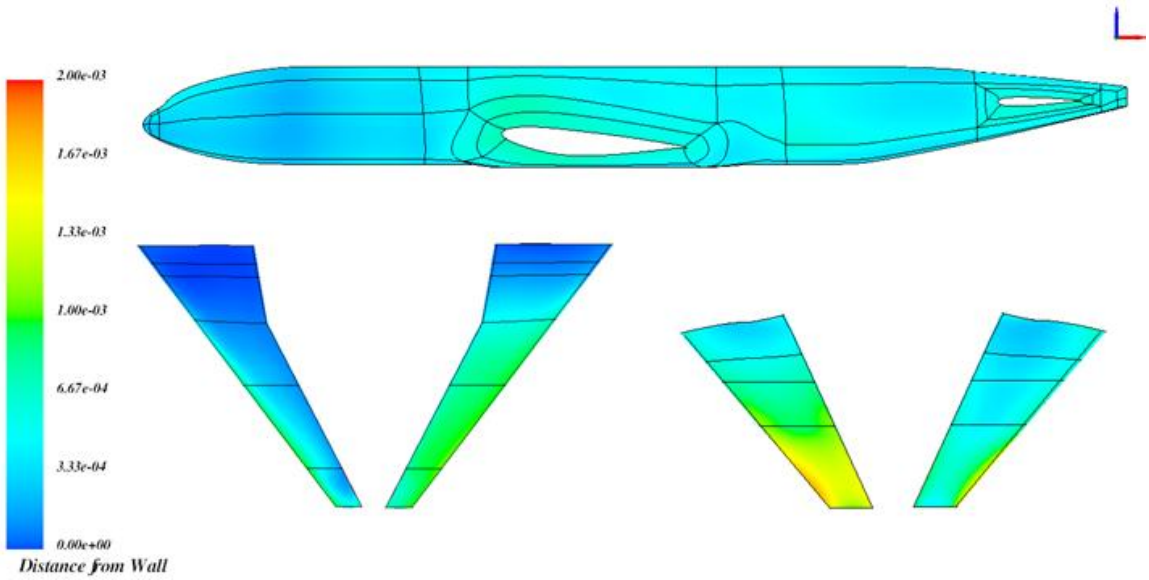
Configuration: **Wing Body Tail iH0**

The multi-block structured meshes are generated using the in-house grid-generation tool, GridZ. The meshes are available in CFD General Notation System (CGNS) format. Total 326 blocks are created with one-to-one connectivity between them. All these meshes are also available as 100% hexahedral CGNS unstructured format.

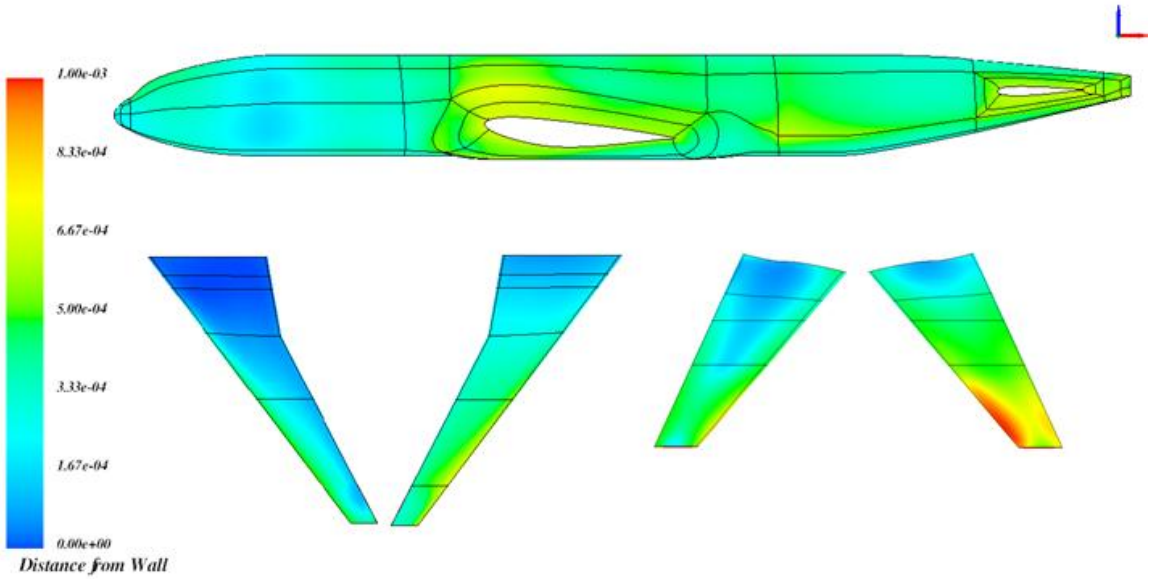
The boundaries are named as fuselage, wing, tail, symmetry and farfield. The meshes are O-type around fuselage, wing and tail and can be viewed using adfviewer. Typical mesh dimensions are:

	Size of Volume Mesh	**Surface Mesh Size**
Coarse	4,369,091	56,128
Medium	15,365,720	176,592
Fine	42,520,772	387,740

The meshes have been prepared for Re ~ 5 million simulation. The clustering on the viscous wall produces a variation of first cell distance. Same is shown below for coarse and medium mesh.



Variation of first cell distance for coarse mesh



Variation of first cell distance for medium mesh

For questions, contact
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