

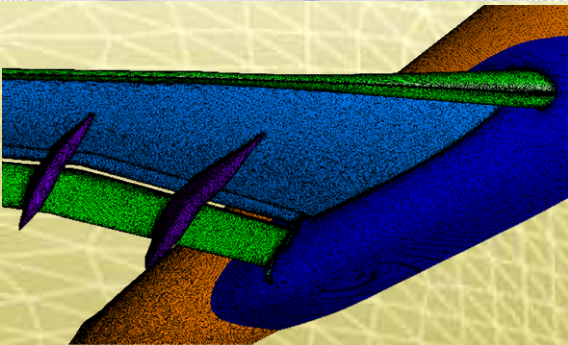
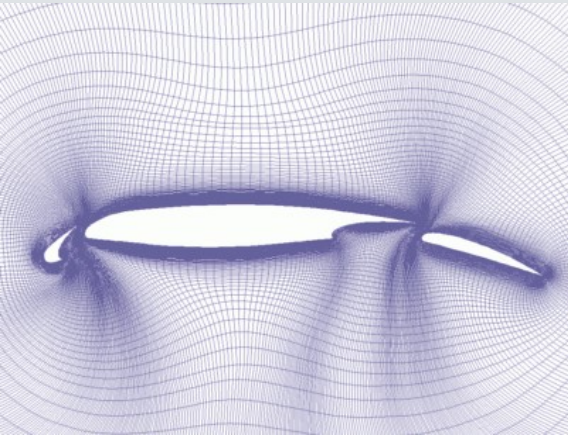
Shaping the Future of Aerospace

1st AIAA Geometry and Mesh Generation Workshop

Sponsored by the Meshing, Visualization, and Computational Environments Technical Committee

June 3-4, 2017

at the AIAA Aviation and Aeronautics Forum and Exposition
Denver, Colorado, USA



GMGW-1 Objectives

This two-part workshop will assess the current state-of-the art in geometry preprocessing and mesh generation technology and software as applied to aircraft and spacecraft systems. It will help identify and develop understanding of areas of needed improvement (performance, accuracy, applicability) in geometry processing and mesh generation technology software. And it will provide a foundation for documenting best practices for geometry preprocessing and mesh generation.

The workshop is being offered in conjunction with the 3rd AIAA CFD High Lift Prediction Workshop (HiLiftPW-3), after which GMGW-1 is being patterned. The two workshops will share opening and closing sessions.

The workshop's test case is a simplified version of the NASA's High Lift Common Research Model (HL-CRM) being used for the High Lift Workshop. Workshop participants will be asked to collect and report data about their experience meshing the HL-CRM geometry.

Registration & Deadlines

- Register for GMGW-1 as part of the registration process for AIAA Aviation. Note: a single registration fee gives you access to both GMGW-1 and HiLiftPW-3.
- Submit your GMGW-1 abstract via email to meshingworkshop@gmail.com by 31 March 2017.
- Download the geometry of the HL-CRM from the HiLiftPW-3 website. Note: The JAXA Standard Model is not part of GMGW-1.
- Generate your mesh(es) for the HL-CRM following HiLiftPW-3's gridding guidelines.
- Complete the participant questionnaire (PQ) in which you will document your mesh generation process including time, tools, and resources.
- Upload your mesh(es) and the PQ by 28 April 2017. You will upload to the HiLiftPW-3 ftp site. Contact the page curator or the GMGW-1 organizers for more grid file upload instructions.

Organizing Committee

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