

Participants: 44

- SK Kelly, Seth W. (LARC-D301) (U...
- KG Konrad Goc (Boein... (Unverified)
- KW Kristoffer Wingste... (Unverified)
- DM Maldonado, Daniel (ARC-TNA)...
- SM Massey, Steve (LARC-D308) (U...
- GM Mchugh, Garrett R. (LARC-D30...
- MC Michael Candon (Unverified)
- DN Nash, Daniel (Unverified)
- O ohadkatri@campu... (Unverified)
- OD Oliver Darbyshire (Unverified)
- PB Paul Batten (Unverified)
- PS PEDRO DE ALMEIDA SECCHI (...
- BP** Pomeroy, Brent W (LARC-D30... Organizer
- RV Rafael Vieira (Unverified)
- KR Ravikumar, Kiran (ARC-TNA)[S...
- RH Rick Hooker (Unverified)
- WS Silva, Walter A. (LARC-D308) (...

▼ In this meeting (34) Mute all

- Sansica Andrea
- AC Adam Clark (Unverified)
- A Arun (Unverified)
- CW Carolyn Woeber (Unverified)
- PC Chwalowski, Pawel (LARC-D30...
- CD CJ Doolittle (Unverified)
- ED Dumlupinar, Ercan (ARC-TNA) ...
- ED Earl Dowell (Unverified)
- FS Fulvio Sartor (Unverified)
- GM Greg McGowan (Unverified)
- HX Harry Xu (Unverified)
- JH Housman, Jeffrey A. (ARC-TNA...
- AJ Jirasek, Adam CZ CTR USAF U...
- JC JOAO LUIZ PEREZ COSTA (Unv...
- JJ Johan Jansson (KT... (Unverified)

- ST Timme, Sebastian (Unverified)
- VA VICTOR GUINANCIO E ABICAL...

Date: 2024 June 25

Brent's presentation

1. About the meeting schedule: No particular objections

2. About the grids:

- Rick Hooker (HeldenMehs): Standard 7 meshes to be released by HM for ONERA OAT15A. Follow up with other meshes next month.

- Carolyn Woeber (Cadence): finite span ONERA OAT15A ($L_z=780\text{mm}$) done to be uploaded. Different mesh types (structured and unstructured-mixed, unstructured-tets-only). Tiny (L1) to Ultra-fine (L6). Check paper AIAA computational fluid dynamics 2015, Bhamidipati, Reasor, Pasiliao. Structured (L1, 9M; L7, 700M).

- Jeffrey Houseman: will provide some references to improve suction side grid refinement.
- Fulvio Sartor: Little typo in the slide about the OAT15A chord (280mm instead of 230mm). Fulvio will provide some papers where other grid resolutions (coarser) seem to work.
- Timme: what is the span? $L_z=780\text{mm}$, $AR\sim 3.4$.
- Jeffrey Houseman: regenerated the mesh from CAD. Can grids be generated/morphed from existing ones?
- Andrea: question on span widths to Fulvio. Fulvio thinks purely 2D would be enough (so narrow span would be best). Unclear why one would do large span (full span) because EXP are not providing data for verification.
- Jeffrey Houseman: inviscid side-walls might be problematic (Crouch's work shows 3 modes, unstable 2D mode is 10chords). Spanwise periodic might be more appropriate.
- Survey on geometries: 18 participants want 1 cell wide; 4 participants want 0.1 chord wide; No one for full span, but important to keep in mind the scale-resolving that need span

Tiny grids for CRM wing-body, sanity checks ongoing. Overview on grid generation. Based on gridding guidelines of HLPW.

3. Subgroups of interest:

The community seems interested.

Leaders of the sub-groups: Housman HRLES, Johan Jansson (LES/WMLES), no volunteers for RANS/URANS.