

DPW update meeting 2024.7.31, AIAA Aviation Las Vegas

Format: hybrid

35-40 in-person, ?? online

1. Brent+Ben+Bret's overview presentation

DPW:

Scatter group leader volunteers (along with Ed and Raj)

Test environment (or wind-tunnel effects group) volunteers (with Ben&Melissa)

AePW:

High angle (flutter) led by Pawel

Large deformation led by Rafael Palacios (Imperial College)

High speed (supersonic/hypersonic FSI) led by

DPW/AePW:

Static deformation

Buffet group

Grids updates

- Helden
- Cadence: update from Carolyn
- NASA Ames: update from Chan

Q: Why horizontal tail in JAXA's case? A: Because of what the configuration was in the exp

Q: Unclear what the validation case is about. A: Trying to have a pool of cases shared that will be also shared with the scatter group + working group specific tasks

Q: is the validation case required? What happens if they do not pass the test? A: it is required and not passing will not prevent participants from running the other cases, but maybe excluded from some plotting.

Q: are you expecting everyone to use the same TM? A: start with SA-best practices

Q: this will cause scatter, so maybe force everyone to use standard SA

Q: force everyone to use the same TM and be careful about iterative convergence.