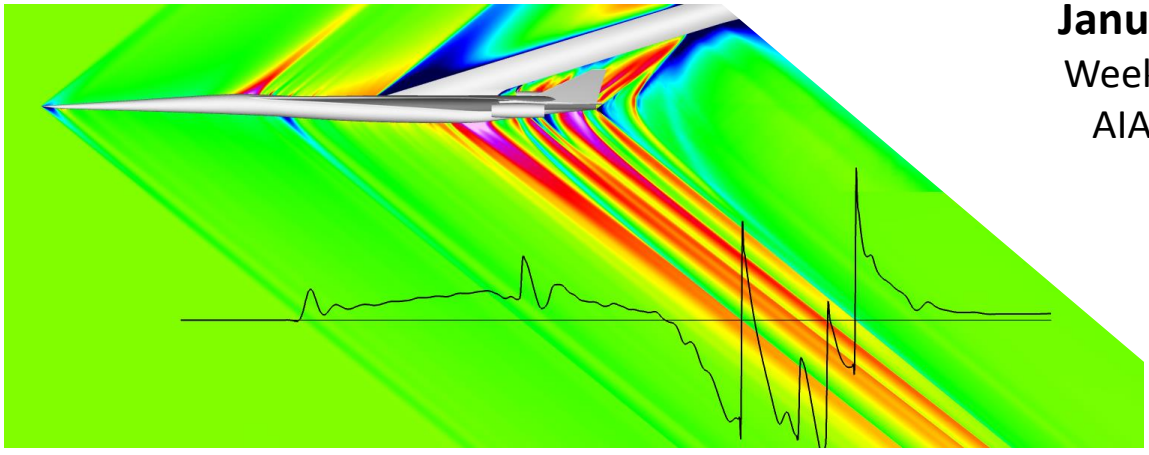
2nd AIAA Sonic Boom Prediction Workshop

Sponsored by the Applied Aerodynamics Technical Committee

The World's Forum for Aerospace Leadership



January 7-8, 2017
Weekend Preceding
AIAA SciTech 2017
Grapevine, Texas

Second Sonic Boom Prediction Workshop:

The two part workshop will cover both the state-of-the-art for predicting near field sonic boom signatures with CFD as well as propagation of the near field pressures to the ground. Participants are encouraged to apply their best practices for computing solutions for the provided cases. There is particular interest in exploring refinement techniques including grid adaptation and alignment with flow characteristics.

- CFD and propagation test cases will include signatures quieter than those from the 1st workshop in order to better challenge the predictive methods for relevant low boom designs.
- An open unbiased forum intended to discuss results and promote cross-pollination of best practices.
- Open to participants worldwide.
- Test Cases based on:
  - Low Boom Body-of-Revolution (required).
  - Wing-Body (required).
  - Full Airplane with Flow Through Nacelles (req.)
  - Full Airplane with Powered Nacelles (optional).

Important Dates:

April 30, 2016: Notice of Intent Due from Participants.
May 31, 2016: Acceptance Notification from Committee.
Sept. 30, 2016: Participant Data Submittal Deadline.
January 7-8, 2017: 2nd Sonic Boom Prediction Workshop

Sonic Boom Prediction Workshop Organizing Committee:

Kenrick Waithe	*Boom Technology*
Mike Park, Alexandra Loubeau, Lori Ozoroski, Linda Bangert & Alaa Elmiligui	*NASA Langley*
Susan Cliff	*NASA Ames*
Don Howe	*Gulfstream Aerospace*
John Morgenstern	*Lockheed Martin*
Todd Magee & Eric Adamson	*Boeing*
Yoshi Makino	*JAXA*
Jean-Luc Hantrais-Gervois	*ONERA*
Gecheng Zha	*Univ. of Miami*
Claudio Pita & Erick Gantt	*Pointwise*

For more information:

http://lbpw.larc.nasa.gov/
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