

## High Lift Workshop Publication List

### July 2009

#### Trap Wing

1. Nash, S. M., and Rogers, S. E., "Numerical Study of a Trapezoidal Wing High-Lift Configuration," SAE-1999-01-5559, October 1999
2. Mavriplis D. and Pirzadeh, S. "Large-Scale Parallel Unstructured Mesh Computations for 3D High-Lift Analysis," AIAA Journal of Aircraft, Vol. 36, No. 6, November-December 1999
3. Johnson, P. L., Jones, K. M., and Madson, M. D., "Experimental Investigation of a Simplified 3D High Lift Configuration in Support of CFD Validation," AIAA-2000-4217, August 2000
4. Rogers, Stuart E., Roth, Karlin, and Nash, Steven M., "Validation of Computed High-Lift Flows with Significant Wind-Tunnel Effects," AIAA Journal, Vol. 39, No. 10, 2001
5. Khorrami, Mehdi R., Berkman, Mert E., Li, Fei, and Singer, Bart A., "Computational Simulations of a Three-Dimensional High-Lift Wing," AIAA paper 2002-2804, June 2002
6. Neuhart, Dan H., and McGinley, Catherine B., "Free-Stream Turbulence Intensity in the Langley 14- by 22-Foot Subsonic Tunnel," NASA TP-2004-213247, August 2004
7. Chaffin, M. S., and Pirzadeh, S. "Unstructured Navier-Stokes High-Lift Computations on a Trapezoidal Wing," AIAA-2005-5084, June 2005
8. McGinley, Catherine B., Jenkins, Luther N., Watson, Ralph D., and Bertelrud, Arild, "3-D High-Lift Flow Physics Experiment - Transition Measurements," AIAA paper 2005-5148, June 2005
9. Streett, Craig L., Casper, Jay H., Lockard, David P., Khorrami, Mehdi R., Stoker, Robert W., Elkoby, Ronen, Wenneman, Wayne F., Underbrink, and James R., "Aerodynamic Noise Reduction for High-Lift Devices on a Swept Wing Model," AIAA paper 2006-212, January 2006
10. Murayama, M., Imamura, T., Yamamoto, K., and Kobayashi, K., "Comparison of RANS Simulations of Multi-Element High-Lift Configurations," AIAA paper 2006-1396, January 2006
11. Satti, Rajani, Li, Yanbing, Shock, Richard, and Noelting, Swen, "Unsteady Flow Simulation of a High Lift Trapezoidal Wing Using a Lattice Boltzmann Method," AIAA paper 2008-4145, June 2008
12. Satti, Rajani, Li, Yanbing, Shock, Richard, and Noelting, Swen, "Aeroacoustics Analysis of a High-Lift Trapezoidal Wing Using a Lattice Boltzmann Method," AIAA paper 2008-3048, May 2008
13. Kharea, A., Baiga, R., Ranjana, R., Shaha, S., Pavithrana, S., Nikama, K., and Moitra, A., "Computational Simulation of Flow Over a High-Lift Trapezoidal Wing," Indian Institute of Science Centenary International Conference and Exhibition On Aerospace Engineering, Bangalore, India, May 2009.

## **Eurolift**

1. Rudnik, R., "CFD ASSESSMENT FOR HIGH LIFT FLOWS IN THE EUROPEAN PROJECT EUROLIFT", AIAA-2003-3794, June 2003.

## **JAXA**

1. Nakayama, R., Matsushima, K., and Nakahashi, K., "CFD Validation about High Lift Configuration of Civil Transport Aircraft," AIAA paper 2008-410, January 2008