

Issue 14
September 2018

DOI: 10.12762/2018.AL14

Publisher
Stéphane Andrieux

Editor in Chief
Francis Dupoirieux

Editorial Board
Stéphane Andrieux
Francis Dupoirieux
Philippe Bidaud
Laurent Cambier
Riad Haidar
Laurent Jacquin

Production
ONERA Scientific
Information Department

On line
www.aerospacelab-journal.com
Webmaster ONERA

Contact
E-mail: aerospacelab@onera.fr

Produced by
ONERA - BP 80100
Chemin de la Hunière
et des Joncherettes
91123 PALAISEAU CEDEX
France
www.onera.fr

ISSN: 2107-6596

Aeroelasticity and Structural Dynamics

AL14-00 - Aeroelasticity and Structural Dynamics

C. Liauzun, N. Piet-Lahanier

AL14-01 - A Comprehensive Load Process at the DLR – Definition, Analysis, and Experimental Evaluation

W. R. Krüger, P. D. Ciampa, M. Geier, T. Kier, T. Klimmek, D. Kohlgrüber, P. Ohme, K. Risse, J. Schwinn

AL14-02 - Morphing Wing, UAV and Aircraft Multidisciplinary Studies at the Laboratory of Applied Research in Active Controls, Avionics and AeroServoElasticity LARCASE

R. M. Botez

AL14-03 - Overview of the Aeroelastic Capabilities of the *elsA* Solver within the Context of Aeronautical Engines

A. Dugeai, Y. Mauffrey, A. Placzek, S. Verley

AL14-04 - Modeling the Damping at the Junction between Two Substructures by Non-Linear Meta-Models

V. Kehr-Candille

AL14-05 - Descent Methods for Design Optimization under Uncertainty

F. Poirion, Q. Mercier

AL14-06 - On the Validation and Use of High-Fidelity Numerical Simulations for Gust Response Analysis

F. Huvelin, S. Dequand, A. Lepage, C. Liauzun

AL14-07 - Advances in Parametric and Model-Form Uncertainty Quantification in Canonical Aeroelastic Systems

J.-C. Chassaing, C. T. Nitschke, A. Vincenti, P. Cinnella, D. Lucor

AL14-08 - Vibration Mitigation Based on Nonlinear Absorbers

C. Stephan, G. Pennisi, G. Michon

AL14-09 - A Review of Industrial Aeroelasticity Practices at Dassault Aviation for Military Aircraft and Business Jets

E. Garrigues

AL14-10 - Study of Morphing Winglet Concepts Aimed at Improving Load Control and the Aeroelastic Behavior of Civil Transport Aircraft

C. Liauzun, D. Le Bihan, J.-M. David, D. Joly, B. Paluch

AL14-11 - Highly-Nonlinear and Transient Structural Dynamics: a Review about Crashworthiness of Composite Aeronautical Structures

E. Deletombe, D. Delsart