FINAL TECHNICAL REPORT

PROJECT 4-26504 – NASA GRANT NAG-1-2281

Aeroelastic Modeling and Behavior of Lifting Surfaces
Incorporating Aerodynamic and Structural Nonlinearities:
Volterra Series and Indicial Function Approach

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Within this NASA Grant (NAG-2281), the following points should be emphasized:

1) All the objectives stated in the proposal of the grant have been accomplished. Moreover, the activity within the project has addressed additional issues, of the linear and nonlinear aeroelasticity, not included in the objectives of the grant.

2) During the activities within the grant, we have been in a permanent contact with Dr. Walter A. Silva, the monitor of the NASA Project, to whom we have reported continuously our achievements.

3) As a result of the activities within the grant a number of papers:
   a. have been submitted for publication to the AIAA Journals, namely the AIAA Journal and the Journal of Guidance, Control, and Dynamics,
   b. have been presented at the specialized National Conferences and an International Congress, and have appeared in the proceedings of these Conferences.

4) A list of papers submitted for publication and presented at Conferences is appended herewith.

5) In all these papers, an acknowledgment to NASA Langley Research Center (NAG-1-2281) was included.
List of papers submitted for publication and presented at Conferences


