

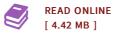
NASA Technical Reports Server (NTRS), et al., David M. Schuster



Development, Analysis and Testing of the High Speed Research Flexible Semispan Model

By David M Schuster

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This report presents the work performed by Lockheed Martin Engineering and Sciences (LMES) in support of the High Speed Research (HSR) Flexible Semispan Model (FSM) wind-tunnel test. The test was conducted in order to assess the aerodynamic and aeroelastic character of a flexible high speed civil transport wing. Data was acquired for the purpose of code validation and trend evaluation for this type of wing. The report describes a number of activities in preparing for and conducting the wind-tunnel test. These included coordination of the design and fabrication, development of analytical models, analysis/hardware correlation, performance of laboratory tests, monitoring of model safety issues, and wind-tunnel data acquisition and reduction. Descriptions and relevant evaluations associated with the pretest data are given in sections 1 through 6, followed by pre- and post-test flutter analysis in section 7, and the results of the aerodynamics/loads test in section 8. Finally, section 9 provides some recommendations based on lessons learned throughout the FSM program.



Reviews

Thorough manual for publication fanatics. It is actually rally intriguing throgh reading through period of time. Its been written in an remarkably simple way and is particularly only after i finished reading through this book in which actually transformed me, change the way i think. -- Morris Schultz

Very good eBook and beneficial one. It generally is not going to price a lot of. I discovered this ebook from my i and dad advised this book to learn. -- Tyrel Bartell