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# EXPERIMENTAL INVESTIGATION OF AEROELASTIC DEFORMATION OF SLENDER WINGS AT SUPERSONIC SPEEDS USING A VIDEO MODEL DEFORMATION MEASUREMENT TECHNIQUE (PAPERBACK)



Experimental Investigation of Aeroelastic Deformation of Slender Wings at Supersonic Speeds Using a Video Model Deformation Measurement Technique

NASA Technical Reports Server (NTRS), Gary E. Erickson Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. A video-based photogrammetric model deformation system was established as a dedicated optical measurement technique at supersonic speeds in the NASA Langley Research Center Unitary Plan Wind Tunnel. This system was used to measure the wing twist due to aerodynamic loads of two supersonic commercial transport airplane models with identical outer mold lines but different aeroelastic properties. One model...

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- Authored by Gary E Erickson
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