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Institute for Aviation Research Reports

Box 1

- 87-101 Estimating Practical Maximum Flight Hours for General Aviation Turboprop and Jet Aircraft
- 87-102 General Aviation Aircraft Utilization Forecasts: 1986-1987
- 87-103 Explaining General Aviation Aircraft Utilization
- 87-104 Demand Estimates for New General Aviation Aircraft
- 87-105 On Estimating Aircraft Nonlinear Rotary Derivatives from Static Wind Tunnel Data
- 87-106 Solid Particle Erosion in Composite Materials
- 88-101 Wind Tunnel Model Loads Analysis Fairchild Metro V Empennage
- 88-108 Description of the Auxiliary Blowing-Air System for the WSU 7x10-Foot Low-Speed Wind Tunnel
- 88-109 X-Ray Characterization of Undoped Semi-Insulating GaAs and Effect of Oxide Films on Fatigue Behavior of Al-Li
- 88-110 Compilation of Characteristics of Airfoils at High Angles of Attack
- 88-111 Predicting Optimal Drooped Leading-Edge Extension Length for an NACA 0015 Wing Through Flow Visualization
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- 88-121 New Perceptions Concerning the Calculation of Boundary Layers by Means of Simple Quadrature Formulate, Part 1
- 88-122 Autoclave Tooling for Thermoplastic/Graphite Composites
- 88-123 Final Report on Heat Capacity and Postiron Lifetime Measurements and Analysis on Rapidly Quenched Iron-Base Alloys Containing Noble Gases
- 88-124A General Aviation Aircraft Utilization Forecasts: 1986-1987 (An Evaluation)
- 88-124B Utilization of General Aviation Turbine Aircraft and New Turbine Sales
- 89-1 Final Report IAR Research Project
- 89-2 "Economics 101" for General Aviation Manufacturers
- 89-3 Toward the Optimization of a Non-Diffusing, Two-Dimensional S-Shaped Duct
- 89-4 Part I Erosion Mechanisms in Composite Materials and Ripple Formation

	Mechanism in Erosion
89-4 Part II	Erosion Mechanisms in Composite Materials and Ripple Formation Mechanism in Erosion
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89-8	Fracture of Graphite/Polymer Composite Panels with Large Center Cracks
89-10	A Parametric Study of Counterflow Heat Exchanger Transients
89-11	A Comparison of the post-Buckling Behavior of Metallic and Composite Plates with Centrally Located Cutouts
89-13	Crack Growth Resistance and Fracture Analysis of Graphite/Peek and Graphite/Epoxy Laminates Containing Large Center Cracks
89-14	The Effects of Special Orientations on the fracture Behavior of Graphite/Epoxy Laminates
89-15	Annual Report FY89 and Business Plan for FY90-FY95

Box 2

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89-22	Final Report on Suitability of Electrodeposition Process for High Temperature Superconductors
89-23	Mechanical Paint Removal Techniques for Aircraft Structures (Masters Thesis)
89-24	A Study of the Fatigue Behavior in Scratched Samples of Al-Li Alloy (2090-T3) (Masters Thesis)
89-25	Analysis of Strain Relaxation in Au/Ni Multilayers by X-Ray Diffraction
89-26	A Simulation Code for Turbocompound Diesel Engines
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