

2008 AIAA Journal Index

How to Use the Index

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J08-230 Lay-Up Optimization of Composite Stiffened Panels Using Linear Approximations in Lamination Space
J08-298 Interlaminar Stresses by Sing Method Based on Interpolation of the Highest Derivative
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J08-135 Long Carbon Nanotubes Grown on the Surface of Fibers for Hybrid Composites
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J08-218 Modified Efficient Global Optimization for a Hat-Stiffened Composite Panel with Buckling Constraint
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J08-072 Circular Inhomogeneity with Viscoelastic Interface Under Antiplane Shear
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J08-086 Improvement of Flügge's Equations for Buckling of Moderately Thick Anisotropic Cylindrical Shells
J08-176 Implementation of Strength-Based Failure Criteria in the Lamination Parameter Design Space
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J08-280 Nonlinear High-Order Core Theory for Sandwich Plates with Orthotropic Phases
J08-231 Improved Design Formulas for Buckling of Orthotropic Plates Under Combined Loading

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- J08-054** Truss Beam with Tendon Diagonals: Mechanics and Designs
J08-147 Local Buckling and Mode Switching in the Optimum Design of Stiffened Panels
J08-073 Use of Material Tailoring to Improve Buckling Capacity of Elliptical Composite Cylinders
J08-086 Improvement of Flügge's Equations for Buckling of Moderately Thick Anisotropic Cylindrical Shells
J08-031 Further Refinement and Validation of Material Models for Hypervelocity Gouging Impacts
J08-223 Design and Modeling of Selective Reinforcements for Integral Aircraft Structures

- J08-229** Evidence-Based Fuzzy Approach for the Safety Analysis of Uncertain Systems
J08-231 Improved Design Formulas for Buckling of Orthotropic Plates Under Combined Loading

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J08-014 Reliability-Based Design of a Slat-Track Fatigue Life Using Mesh Morphing Technology
J08-157 Structural Damage Detection Based on Proper Orthogonal Decomposition: Experimental Verification
J08-223 Design and Modeling of Selective Reinforcements for Integral Aircraft Structures
J08-030 Constitutive Modeling and Simulation of Perforation of Targets by Projectiles

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- J08-202** Bearing Strength Analysis of Hybrid Titanium Composite Laminates
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- J08-036** Solution to the Incorrect Benchmark Shell-Buckling Problem
- J08-129** Nonlinear Flutter Calculations Using Finite Elements in a Direct Eulerian-Lagrangian Formulation
- J08-233** Frequency Response of a Combined Structure Using a Modified Finite Element Method
- J08-030** Constitutive Modeling and Simulation of Perforation of Targets by Projectiles
- J08-223** Design and Modeling of Selective Reinforcements for Integral Aircraft Structures

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- J08-117** Aeroelastic Analysis of Wing Structures Using Equivalent Plate Models
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- J08-054** Truss Beam with Tendon Diagonals: Mechanics and Designs
- J08-059** Static Analysis of Sandwich Panels with Square Honeycomb Core
- J08-032** Modeling Projectile Damage in Transport Aircraft Wing Structures
- J08-036** Solution to the Incorrect Benchmark Shell-Buckling Problem
- J08-042** Geometrically Nonlinear Theory of Composite Beams with Deformable Cross Sections
- J08-030** Constitutive Modeling and Simulation of Perforation of Targets by Projectiles
- J08-040** Spillover Phenomenon in Quadratic Model Updating
- J08-199** Optimal Design of Functionally Graded Incompressible Linear Elastic Cylinders and Spheres
- J08-233** Frequency Response of a Combined Structure Using a Modified Finite Element Method
- J08-055** Dynamics of Composite Aircraft Wings Carrying External Stores
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- J08-280** Nonlinear High-Order Core Theory for Sandwich Plates with Orthotropic Phases
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- J08-086** Improvement of Flügge's Equations for Buckling of Moderately Thick Anisotropic Cylindrical Shells
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- J08-302** Buckling of Rectangular Plates on an Elastic Foundation Using the Levy Method
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- J08-017** Thermal Postbuckling Behavior of Anisotropic Laminated Cylindrical Shells with Temperature-Dependent Properties
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- J08-282** High Through-Thickness Thermal Conductivity Composites Based on Three-Dimensional Woven Fiber Architectures
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