

# 2011 AIAA Journal Index

## How to Use the Index

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**J11-045** System Identification for Coupled Fluid-Structure: Aerodynamics is Aeroelasticity Minus Structure

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- J11-220** Effect of Time at Temperature on the Ply-Normal Modulus of Carbon Phenolic

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- J11-045** System Identification for Coupled Fluid-Structure: Aerodynamics is Aeroelasticity Minus Structure

- J11-030** Dynamic Response of Highly Flexible Flying Wings

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- J11-144** Reduced-Order Aerothermoelastic Framework for Hypersonic Vehicle Control Simulation

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### **Structural Composite Materials**

- J11-146** Characterization and Constitutive Modeling of Composite Materials Under Static and Dynamic Loading  
**J11-153** Modeling Progressive Failure of Bonded Joints Using a Single Joint Finite Element  
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- J11-144** Reduced-Order Aerothermoelastic Framework for Hypersonic Vehicle Control Simulation  
**J11-029** Fluid-Structure Interaction Model for Low-Frequency Synthetic Jets  
**J11-087** Proper Orthogonal Decomposition for Reduced-Order Thermal Solution in Hypersonic Aerothermoelastic Simulations

### **Thermophysical Properties**

- J11-222** Simulation of Cryogenics Cavitation