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## How to Use the Index

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**A10-094** Near-Infrared Spectroscopy of Stardust Sample Return Capsule Entry: Detection of Carbon
**A10-075** Introduction: Atmospheric Entry of the Stardust Sample Return Capsule
**A10-076** Modeling of Stardust Entry at High Altitude, Part 1: Flowfield Analysis
**A10-028** Computational Flowfield Analysis over a Blunt-Body Reentry Vehicle
**A10-083** Loosely Coupled Simulation for Two-Dimensional Ablation and Shape Change
**A10-092** Imaging and Slitless Spectroscopy of the Stardust Capsule Reentry Radiation
**A10-056** Turbulent Supersonic/Hypersonic Heating Correlations for Open and Closed Cavities
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**A10-082** Postflight Aerothermal Analysis of the Stardust Sample Return Capsule
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### *Radiation in Participating Media*

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### *Thermal Control*

**A10-013** Effect of Simulated Lunar Dust on the Properties of Thermal Control Surfaces

### *Thermal Modeling and Analysis*

**A10-079** Radiation Modeling For the Reentry of the Stardust Sample Return Capsule
**A10-111** Robust Optimization of Thermal-Dynamic Coupling Systems Using a Kriging Model
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### *Thermochemistry and Chemical Kinetics*

**A10-076** Modeling of Stardust Entry at High Altitude, Part 1: Flowfield Analysis
**A10-099** Multiscale Approach to Ablation Modeling of Phenolic Impregnated Carbon Ablators
**A10-098** Modeling of Stardust Entry at High Altitude, Part 2: Radiation Analysis
**A10-081** Modeling of Sodium Radiation from Reentry Flows at High Altitudes