

## FLUID DYNAMICS

Lower-Upper Symmetric-Gauss-Seidel Method for the Euler and Navier-Stokes Equations (SYN).....	S. Yoon and A. Jameson	1025
Frequency-Domain Method for the Computation of Propeller Acoustics .....	J. B. H. M. Schulten	1027
Hole Tone Generated from Almost Choked to Highly Choked Jets .....	Y. Umeda, H. Maeda, R. Ishii	1036
Multigrid Acceleration of a Relaxation Procedure for the Reduced Navier-Stokes Equations .....	A. Himansu and S. G. Rubin	1044
Interactive and Large-Domain Solutions of Higher-Order Viscous-Flow Equations.....	F. Stern, S. Y. Yoo, V. C. Patel	1052
LU Implicit Multigrid Algorithm for the Three-Dimensional Euler Equations .....	J. W. Yokota and D. A. Caughey	1061
Finite-Volume Method for the Calculation of Compressible Chemically Reacting Flows.....	T. R. A. Bussing and E. M. Murman	1070
Full-Potential Integral Solution for Transonic Flows with and without Embedded Euler Domains.....	O. A. Kandil and H. Hu	1079

## INTERDISCIPLINARY TOPICS

Plenum Chamber Effect on Wind-Tunnel Resonance by the Finite-Element Method .....	I. Lee	1087
---	--------	------

## STRUCTURAL MECHANICS AND MATERIALS

Analysis of Cracked Laminates with Holes Using the Boundary Force Method .....	P. W. Tan and C. A. Bigelow	1094
Buckling and Final Failure of Graphite/PEEK Stiffener Sections.....	S. M. Causbie and P. A. Lagace	1100
Stresses and Rate of Twist in Single-Cell Thin-Walled Beams with Anisotropic Walls .....	C. Libove	1107
On-Orbit Damage Assessment for Large Space Structures.....	J.-C. Chen and J. A. Garba	1119
Solution Methods for One-Dimensional Viscoelastic Problems .....	J. M. Stubstad and G. J. Simitses	1127
Nonlinear Response and Stability Analysis of Beams Using Finite Elements in Time.....	O. A. Bauchau and C. H. Hong	1135

Table of Contents continued on back cover

NOTICE TO SUBSCRIBERS ..... 1142

#### BOOK REVIEWS

*Review of Probabilistic Methods in the Theory of Structures* ..... F. Kozin 1143

*Review of Flow Induced Vibration of Circular Cylindrical Structures* ..... D. Rockwell 1144

#### SELECTED ABSTRACTS FROM SOVIET AND JAPANESE AEROSPACE LITERATURE

*Crystallography and Rare-Earth Materials in Laser Applications* ..... 1146

*Laser Optics* ..... 1149

#### QUESTIONNAIRE

*Soviet/Japanese Abstracts: How Do You Use Them?* ..... 1152