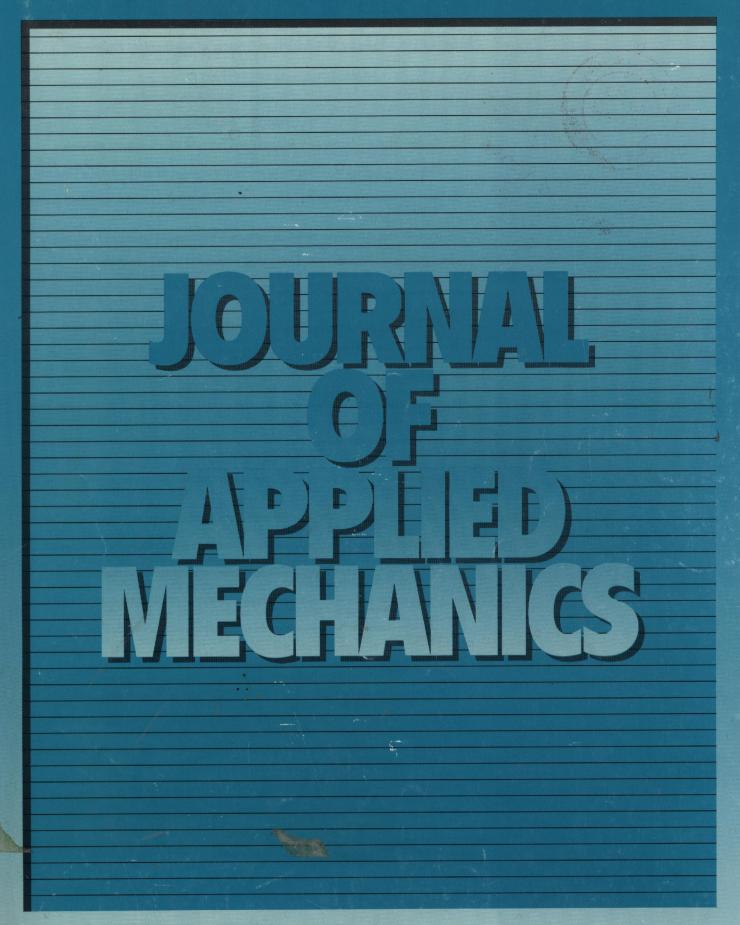
TRANSACTIONS OF THE ASME



PUBLISHED QUARTERLY BY THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS • MARCH 1997

CONTENTS (CONTINUED)

- 183 Exact Solutions of Some Shear Dislocation Problems Involving a Stopping Effect Gwolong Lai and A. R. Robinson
- 193 Strain-Rate Effects in the Dynamic Buckling of a Simple Elastic-Plastic Model D. Karagiozova and N. Jones
- 201 An Orthotropic Viscoelastic Winding Model Including a Nonlinear Radial Stiffness W. R. Qualls and J. K. Good
- 209 Equivalent Nonlinear System Method for Stochastically Excited and Dissipated Integrable Hamiltonian Systems
 W. Q. Zhu and Y. Lei
- 217 Experiments on Nonlinear Dynamic Behavior of an Oscillator With Clearance and Periodically Time-Varying Parameters
 A. Kahraman and G. W. Blankenship

BRIEF NOTES

	On the Motion of Lineal Bodies Subject to Linear Damping M. F. Beatty	227	236	On the Use of a Plane-Strain Model to Solve Generalized Plane-Strain Problems Shoufeng Hu and N. J. Pagano
1	On the Thermal Response of Antisymmetric Angle-Ply Laminated Plates A. A. Khdeir	229	238	Modal Decoupling of Systems Described by Three Linear Operators A. A. Renshaw
	Equilibrium of a Radially Symmetric Inhomogeneous Plate Under Tension and Load A. R. Pineda and R. G. Root	233	240	Effect of Mass Transfer on a Similar Flow in the Magnetohydrodynamic Squeeze Film R. Usha and R. Sridharan

DISCUSSION

- 244 A General Formulation of the Theory of Wire Ropes, by W. Jiang-Discussion by S. A. Velinsky
- 245 Bifurcation of Orthotropic Solids, by G. deBotton and K. Schulgasser—Discussion by A. Chattopadhyay and H. Gu
- 247 Stress and Strain Analysis in Molecular Dynamics Simulation of Solids, by P. A. Scagnetti, R. J. Nagem, G. V. H. Sandri, and T. G. Bifano—Discussion by O. R. Walton
- 247 A Critical Study of the Applicability of Rigid-Body, Collision Theory, by D. Stolanovici and Y. Hurmuzlu—Discussion by A. Chatterjee and A. Ruina

BOOK REVIEW

249 Stability Problems in Fracture Mechanics, by Vladimir V. Bolotin . . . Reviewed by F. Ziegler

ANNOUNCEMENTS AND SPECIAL NOTICES

22		Change of Address Form
38	1	Books Received by the Office of the Technical Editor
. 72		Finite Element Books Bibliography on the Internet
250		Worldwide Mechanics Meetings List
253		Information for Authors
254		Tenth International Conference on Numerical Methods for Laminar and Turbulent Flow—Call for Papers
255		Tenth International Conference on Numerical Methods for Thermal Problems—Call for Papers

