2 (05) -12

1990 VOLUME 26 NUMBER 4

SOLID and STRUCTURES

Editor-in-Chief
CHARLES STEELE

Founder and Editor-in-Chief, 1965-1985

GEORGE HERRMANN



Pergamon Press

OXFORD · NEW YORK · BEIJING · FRANKFURT SÃO PAULO · SYDNEY · TOKYO · TORONTO

INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES

Editor-in-Chief

CHARLES STEELE

Division of Applied Mechanics, Stanford University, Stanford, CA 94305, U.S.A.

Volume 26, No. 4

Voshiaki Goto, Tomoo Voshimitsu

1990

CONTENTS

375 Elliptic integral solutions of plane elastica with axial and

and Makoto Obata		shear deformations
Ian D. Moore	391	Three-dimensional response of elastic tubes
Hui-Ching Wang and Prasanta K. Banerjee	401	Axisymmetric transient elastodynamic analysis by boundary element method
J. J. Keremes and G. B. Sinclair	417	A model for the mechanical stresses induced by head-disk contact
Ching S. Chang and Ching L. Liao	437	Constitutive relation for a particulate medium with the effect of particle rotation
Fei-Yue Wang	455	Two-dimensional theories deduced from three-dimensional theory for a transversely isotropic body—I. Plate problems
Sunil Saigal, A. Gupta and J. Cheng	471	Stepwise linear regression particular integrals for uncoupled thermoelasticity with boundary elements
David Durban and Michael Kubi	483	Large strain analysis for plastic-orthotropic tubes
	497	Announcement and Call for Papers 18th International Congress of Theoretical and Applied Mechanics, Haifa, Israel, 22–28 August 1992

INDEXED IN Appl Mech Rev, Curr Cont ASCA; Cam Sci Abstr, Curr Cont/Eng Tech & Appl Sci, Eng Ind, INSPEC Data, Int Civil Eng Abstr, Math R, Mechanics, PASCAL-CNRS Data, Curr Cont Sci Cit Ind, Curr Cont SCISEARCH Data, SSSA/CISA/ECA/ISMEC

ISSN **0020-7683** IJSOAD 26(4) 375-498 (1990)



Published by

Pergamon Press

Oxford · New York · Beijing · Frankfurt · São Paulo · Sydney · Tokyo · Toronto