

ISSN 0020-7683



1991
VOLUME 27
NUMBER 3

INTERNATIONAL JOURNAL OF
SOLIDS 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 27, No. 3

1991

CONTENTS

- George Z. Voyiadjis
and Guangyu Shi 261 A refined two-dimensional theory for thick cylindrical shells
- Guangyu Shi
and George Z. Voyiadjis 283 A simple C^0 quadrilateral thick/thin shell element based on the refined shell theory and the assumed strain fields
- P. S. Symonds, Francesco Genna
and Antonella Ciullini 299 Special cases in study of anomalous dynamic elastic-plastic response of beams by a simple model
- A. C. Wijeyewickrema,
L. M. Keer, K. Hirashima
and T. Mura 315 The annular crack surrounding an elastic fiber in a tension field
- Wen-Biao Wang
and Zhu-Ping Duan 329 On the invariant representation of spin tensors with applications
- V. I. Fabrikant 343 External circular crack under concentrated anti-symmetric loading
- Millard F. Beatty
and Ziliang Zhou 355 Finite amplitude and free vibrations of a body supported by incompressible, nonlinear viscoelastic shear mountings
- J. C. Simo and L. Vu-Quoc 371 A geometrically-exact rod model incorporating shear and torsion-warping deformation
- R. S. Rivlin 395 Objectivity of the constitutive equation for a material with memory
- Announcements*
399 Symposium on Computational Technology for Flight Vehicles, Sheraton National Hotel, Washington DC, U.S.A., 5-7 November 1990

[continued on inside back cover