

INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES

Editor-in-Chief: CHARLES STEELE

Associate Editor: MARIE-LOUISE STEELE
Division of Applied Mechanics
Stanford University, Stanford,
CA 94305, U.S.A.

Consulting Editor and Editor-in-Chief, 1965-1985: GEORGE HERRMANN

Board of Editors

J. D. ACHENBACH	<i>Northwestern University</i>
L. BEVILACQUA	<i>Cidade Universitaria, Rio de Janeiro</i>
V. V. BOLOTIN	<i>USSR Academy of Sciences</i>
H. D. BUI	<i>Ecole Polytechnique</i>
D. HILLS	<i>Oxford University</i>
J. HUTCHINSON	<i>Harvard University</i>
B. L. KARIHALOO	<i>University of Sydney</i>
G. MAIER	<i>Politecnico di Milano</i>
M. MIKKOLA	<i>Helsinki University</i>
F. P. J. RIMROTT	<i>University of Toronto</i>
R. RIVLIN	<i>Lehigh University</i>
Y. SHINDO	<i>Tohoku University</i>
H. ZORSKI	<i>Polish Academy of Sciences</i>

Editorial Advisory Board

J. H. ARGYRIS	<i>Stuttgart</i>	E. REISSNER	<i>San Diego</i>
B. A. BOLLY	<i>New York</i>	J. SINGER	<i>Haiifa</i>
H. LEIBOWITZ	<i>Washington</i>	I. N. SNEDDON	<i>Glasgow</i>
H. LIPPMANN	<i>Munich</i>	F. ZIEGLER	<i>Vienna</i>
F. NIORDSON	<i>Lynghy</i>	O. C. ZIENKIEWICZ	<i>Swansea</i>

Publishing, Subscription and Advertising Offices: Pergamon Press plc, Headington Hill Hall, Oxford OX1 0HW, U.K.; Pergamon Press, Inc., 605 Saw Mill River Road, Elmsford, NY 10523, U.S.A.

Published 24 times a year. Annual institutional subscription rate (1992) £1035.00. Two-year institutional rate (1992-93) £1966.50. Personal subscription rate for those whose library subscribes at the regular rate (1992) available on request. Prices are subject to change without notice. Subscription rates for Japan include despatch by air and prices are available on application. Subscription enquiries from customers in North America should be sent to Pergamon Press, Inc., 605 Saw Mill River Road, Elmsford, NY 10523, U.S.A., and for the remainder of the world to Pergamon Press plc, Headington Hill Hall, Oxford OX1 0HW, U.K.

Back Issues

Back issues of all previously published volumes in both hard copy and on microform, are available direct from Pergamon Press offices.

Copyright © 1991 Pergamon Press plc

It is a condition of publication that manuscripts submitted to the journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher if and when the article is accepted for publication. However, assignment of copyright is not required from authors who work for organizations which do not permit such assignment. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature, and translations. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise, without permission in writing from the copyright holder.

Whilst every effort is made by the publishers and editorial board to see that no inaccurate or misleading data, opinion or statement appears in this journal, they wish to make it clear that the data and opinions appearing in the articles and advertisements herein are the sole responsibility of the contributor or advertiser concerned. Accordingly, the publishers, the editorial board and editors and their respective employees, officers and agents accept no responsibility or liability whatsoever for the consequences of any such inaccurate or misleading data, opinion or statement.

PHOTOCOPYING INFORMATION FOR USERS IN THE U.S.A.

The Item Fee Code for this publication indicates that authorization to photocopy items for internal or personal use is granted by the copyright holder for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service provided the stated fee for copying, beyond that permitted by Section 107 or 108 of the United States Copyright Law, is paid. The appropriate remittance of \$3.00 per copy per article is paid directly to the Copyright Clearance Center, Inc., 27 Congress Street, Salem, MA 01970.

PERMISSION FOR OTHER USE

The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works, or for resale. Specific written permission must be obtained from the publisher for such copying.

♾ The text paper used in this publication meets the minimum requirements of American National Standard for Information Sciences—Permanence of Paper for Printed Library Materials, ANSI Z39.48-1984.

The Item Fee Code for this publication is 0020-7683/92 \$3.00 + .00.