

Contents of issue 5–6 vol. XLIV

- 491 A. HACHEMI and D. WEICHERT, *An extension of the static shakedown theorem to a certain class of inelastic materials with damage*
- 499 R. STAROSZCZYK, *Steady-state plane Lamb's problem for a fluid-saturated poro-elastic medium*
- 513 A. SZATKOWSKI, *On μ -stability in dynamical systems*
- 527 C. SANSOUR, *On the geometric structure of the stress and strain tensors, dual variables and objective rates in continuum mechanics*
- 557 B. KAŻMIERCZAK, *Nonlinear functionals in existence theorems for reaction-diffusion systems*
- 563 R. B. PĘCHERSKI, *Modelling of large plastic deformations based on the mechanism of micro-shear banding. Physical foundations and theoretical description in plane strain*
- 585 NGUYEN HUU VIEM, *Constitutive equations for finite deformations of elastic-plastic metallic solids with induced anisotropy*
- 595 NGUYEN HUU VIEM, *Isothermal and adiabatic flow laws of metallic elastic-plastic solids at finite strains and propagation of acceleration waves*
- 603 S. PIEKARSKI, *Geometrical aspect of symmetric conservative systems of partial differential equations*
- 615 A. BLINOWSKI, *On the mechanical energy dissipation in small deformation elasticity and the simple analytic expression for the viscous kink-shaped solitary wave*
- 621 B. WACK and A. TOURABI, *Some remarks on macroscopic observations and related microscopic phenomena of the mechanical behaviour of metallic materials*
- 663 W. SZCZEPIŃSKI, *On deformation-induced plastic anisotropy of sheet metals*

Book Reviews

- 699 A. LAGZDIŃS, V. TAMUŽS, G. TETERS, A. KÉGERS, *Orientalional averaging in mechanics of solids*

Polish Academy of Sciences

Institute of Fundamental Technological Research



P.269.

Archives of Mechanics

Archiwum Mechaniki Stosowanej

volume 44

issue 5-6

Polish Scientific Publishers PWN

Warszawa 1992

ARCHIVES OF MECHANICS IS DEVOTED TO
Theory of elasticity and plasticity • Theory of nonclassical continua • Physics of continuous media • Mechanics of discrete media • Nonlinear mechanics • Rheology • Fluid gas-mechanics • Rarefied gases • Thermodynamics

FOUNDERS

M. T. HUBER • W. NOWACKI • W. OLSZAK
W. WIERZBICKI

EDITORIAL ADVISORY COMMITTEE

W. SZCZEPIŃSKI—chairman • D. C. DRUCKER
W. FISZDON • P. GERMAIN • W. GUTKOWSKI
G. HERRMANN • T. IWŃSKI • J. RYCHLEWSKI
I. N. SNEDDON • G. SZEFER • Cz. WOŃNIAK
H. ZORSKI

EDITORIAL COMMITTEE

M. SOKOŁOWSKI—editor • A. BORKOWSKI
W. KOSIŃSKI • M. NOWAK • W. K. NOWACKI
P. PERZYNA • H. PETRYK • J. SOKÓŁ—SUPEL
Z. A. WALENTA • B. WIERZBICKA—secretary
S. ZAHORSKI

Copyright 1992 by Polska Akademia Nauk, Warszawa, Poland
Printed in Poland, Editorial Office: Świętokrzyska 21,
00-049 Warszawa (Poland)

Arkuszy wydawniczych 18,25. Arkuszy drukarskich 13,5
Papier offset, kl. III 70 g. B1. Oddano do składania w listopadzie 1992 r.
Skład *ArtGraph*
Druk ukończono w kwietniu 1993 r.
Druk „Graphield”, Warszawa, ul. Dąbrowskiego 4
