

VOLUME 13 NUMBER 5

1989

Nonlinear Analysis

Theory, Methods & Applications

An International Multidisciplinary Journal

EDITOR: V. LAKSHMIKANTHAM

University of Texas at Arlington

Pergamon Press

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



NONLINEAR ANALYSIS

THEORY, METHODS & APPLICATIONS

VOLUME 13 NUMBER 5

1989.

CONTENTS

- G. CICOGNA and G. GAETA 475 Periodic solutions from symmetry
- M. S. DREW, S. C. KLOSTER and J. D. GEGENBERG 489 Lie group analysis and similarity solutions for the equation
$$\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} + \frac{\partial^2 (e^u)}{\partial z^2} = 0$$
- H. IKEDA, M. MIMURA and Y. NISHIURA 507 Global bifurcation phenomena of travelling wave solutions for some bistable reaction-diffusion systems
- KUNG-CHING CHANG 527 On the periodic nonlinearity and the multiplicity of solutions
- S. RĂDULESCU and M. RĂDULESCU 539 Global univalence and global inversion theorems in Banach spaces
- M. NAKAO 555 On some regularity of periodic solutions of the wave equation with a nonlinear or degenerate dissipative term
- A. HARAUX 565 A remark on Hölder continuity of periodic solutions to some nonlinear wave equations
- V. H. MOLL 569 A note on McKean's caricature for nerve conduction
- J.-F. LEON and G. TARANTELLO 579 Breaking of symmetry for a minimization problem
- YUAN JIANCHENG 589 Necessary and sufficient conditions for existence of periodic solutions of n -dimensional dynamical systems

SOFTWARE SURVEY SECTION

I



Published by
PERGAMON PRESS

Published May 1989

Indexed/abstracted in: *Appl. Mech. Rev.*, *Curr. Cont.*, *ASCA*,
Cam. Sci. Abstr., *Curr. Cont.*, *CompuMath*, *Curr. Cont./Phy.*,
Chem. & Earth Sci., *INSPEC Data.*, *Math.R.*,
PASCAL-CNRS Data., *Curr. Cont. Sci. Cit. Ind.*, *Curr. Cont.*,
SCISEARCH Data., *SSSA/CISA/ECA/ISMEC*

ISSN 0362-546X
NOANDD 13 (5) 475-598 (1989)