

## Contents

### Research Articles

ADARA M. BLAGA

*Geometrical Aspects of Paracontact Pair Structures.....* 1-12

TOMASZ DOBROWOLSKI

*The Fluxion in a Curved Josephson Junction.....* 13-26

ANESTIS FOTIADIS

*The Ptolemaean Inequality in  $H$ --Type Groups.....* 27-33

NAOHISA OGAWA

*Diffusion Under Geometrical Constraint.....* 35-49

EWA ELIZA ROZKO AND JAN J. SŁAWIANOWSKI

*Essential Nonlinearity in Field Theory and Continuum  
Mechanics. Second- and First-Order Generally-Covariant  
Models.....* 51-76

GIOVANNI SCARPELLO AND DANIELE RITELLI

*Nonlinear 1-D Oscillations of a Charge  
Particle Under Coulomb Forces and Dry Friction.....* 77-85

DEVIRIM YAZICI AND HAKAN SERT

*Symmetry Reduction of Asymmetric Heavenly Equation and  
 $2+1$ -Dimensional Bi-Hamiltonian System.....* 87-96

### Book Review

SVATOPLUK KRÝSL (REVIEWER)

*Index Theory -- With Applications to Mathematics and Physics  
by David D. Bleecker and Bernhelm Booß-Bavnbek.....* 97-100

CHARLES-MICHEL MARLE (REVIEWER)

*Le problème de Kepler, histoite et théorie  
by Alain Guichardet.....* 101-104