

## Contents

### Review Article

MARIUS GRIGORESCU

*Geometrical Framework of Quantization Problem..... 1-27*

### Research Articles

VINCENT MAGNET, RACHID RAHOUDJ AND  
JEAN-FRANCOIS GANGHOFFER

*A Rational Approach For Modelling the Mechanical Behaviour  
of Materials Exhibiting Symmetry Relations..... 29-57*

JAN J. SLAWIANOWSKI, VASYL KOVALCHUK, AGNIESZKA MARTENS,  
BARBARA GOLUBOWSKA AND EWA ROZKO

*Quasiclassical and Quantum Systems of Angular Momentum.  
Part III. Group Algebra  $\mathfrak{su}(2)$ , Quantum Angular Momentum  
and Quasiclassical Asymptotics..... 59-95*

ALEXANDAR B. YANOVSKI

*Geometric Interpretation of the Recursion Operators for the  
Generalized Zakharov-Shabat System in Pole Gauge on the  
Lie Algebra  $A_2$ ..... 97-111*

### Book Reviews

CHARLES-MICHEL MARLE (REVIEWER)

*Geometric Mechanics, Part I: Dynamics and Symmetry,  
Part II: Rotating, Translating and Rolling*

by Darryl D. Holm ..... 113-121