Contents

Research Articles

Emilija Celakoska, Elena Hadzieva and Vesna Celakoska-Jordanova
On Complex Homogeneous Space of Vectors with Constraints ..... 1-11

Bang-Yen Chen
Covering Maps and Ideal Embeddings of Compact Homogeneous Spaces ........................................... 13-20

Rukmini Dey and Saibal Ganguli
Geometric Quantization of Finite Toda Systems and Coherent States .................................................... 21-38

Daniel Flores-Alfonso and Hernando Quevedo
Topological Quantum Numbers of Dyonic Fields Over Taub-NUT and Taub-Bolt Spaces ......................... 39-54

Hiroyasu Hamada, Satoshi Makita and Shigeki Matsutani
Mathematics in Caging of Robotics .................................. 55-66

Babak Hassanzadeh
n-Characteristic Vector Fields of Contact Manifolds ............... 67-75

Robert J. Low
Orthogonal Spheres, Light Cones and Causality in Minkowski Space ...................................................... 77-81

Victor L. Mironov and Sergey V. Mironov
Two Types of Lorentz Transformations for Massless Fields ........ 83-96

ISSN 1312-5192

Sofia