

## CONTENTS

<b>K. Abe and K. Fukui</b> ON THE STRUCTURE OF AUTOMORPHISMS OF MANIFOLDS ...	<b>7</b>
<b>L. Aliás and J. Pastor</b> CONSTANT CURVATURE SPACELIKE HYPERSURFACES IN THE LORENTZ–MINKOWSKI SPACE .....	<b>17</b>
<b>B. Angelov and I. Mladenov</b> ON THE GEOMETRY OF RED BLOOD CELL .....	<b>27</b>
<b>K. Fujii, N. Toyota and S. Uchiyama</b> INDUCED GAUGE STRUCTURE IN QUANTUM THEORY FROM THE VIEWPOINT OF THE CONFINING POTENTIAL APPROACH	<b>47</b>
<b>V. Gerdjikov, G. Grahovski and N. Kostov</b> SECOND ORDER REDUCTIONS OF $N$ -WAVE INTERACTIONS RELATED TO LOW-RANK SIMPLE LIE ALGEBRAS .....	<b>55</b>
<b>V. Gerdjikov and I. Uzunov</b> PERTURBED COMPLEX TODA CHAIN AND SOLITON INTERACTIONS IN NONLINEAR OPTICS .....	<b>79</b>
<b>P. Holod and T. Skrypnyk</b> GEOMETRIC QUANTIZATION, COHOMOLOGY GROUPS AND INTERTWINING OPERATORS .....	<b>95</b>
<b>V. Kostov</b> GAUSS–MANIN SYSTEMS OF POLYNOMIALS OF TWO VARIABLES CAN BE MADE FUCHSIAN .....	<b>105</b>
<b>J. Kuipers</b> QUATERNIONS AND ROTATION SEQUENCES .....	<b>127</b>
<b>P. Lévay</b> CHAOTIC SCATTERING ON NONCOMPACT SURFACES OF CONSTANT NEGATIVE CURVATURE .....	<b>145</b>

<b>Y. Machida</b>	TWISTOR INTEGRAL REPRESENTATIONS OF SOLUTIONS OF THE SUB-LAPLACIAN .....	<b>159</b>
<b>I. Mladenov and B. Angelov</b>	DEFORMATIONS OF MINIMAL SURFACES .....	<b>163</b>
<b>M. Molaei</b>	GENERALIZED ACTIONS .....	<b>175</b>
<b>G. Naber</b>	DIRAC AND SEIBERG–WITTEN MONOPOLES .....	<b>181</b>
<b>M. Pletyukhov and E. Tolkachev</b>	GREEN'S FUNCTION FOR 5D $SU(2)$ MIC-KEPLER PROBLEM .....	<b>201</b>
<b>M. Puta and I. Casu</b>	GEOMETRICAL ASPECTS IN THE RIGID BODY DYNAMICS WITH THREE QUADRATIC CONTROLS .....	<b>209</b>
<b>H. Sato</b>	INTEGRABILITY OF CONTACT SCHWARZIAN DERIVATIVES AND ITS LINEARIZATION .....	<b>225</b>
<b>A. Shchepetilov</b>	INVARIANT REDUCTION OF THE TWO-BODY PROBLEM WITH CENTRAL INTERACTION ON SIMPLY CONNECTED SPACES OF CONSTANT SECTIONAL CURVATURE .....	<b>229</b>
<b>M. Spera</b>	ON KÄHLERIAN COHERENT STATES .....	<b>241</b>
<b>D. Trifonov</b>	THE UNCERTAINTY WAY OF GENERALIZATION OF COHERENT STATES .....	<b>257</b>
<b>T. Vozmischeva</b>	MATHEMATICAL ASPECTS IN CELESTIAL MECHANICS, THE LAGRANGE AND EULER PROBLEMS IN THE LOBACHEVSKY SPACE .....	<b>283</b>
E-mail addresses .....	<b>299</b>	