

## CONTENTS

Volume 193, no. 1 and no. 2

<b>L. Badoian and J.B. Wagoner</b> , Simple connectivity of the Markov partition space .....	1
<b>Yann Bugeaud, Maurice Mignotte and Yves Roy</b> , On the diophantine equation $\frac{x^n - 1}{x - 1} = y^q$ .....	257
<b>Luisa Carini and Vincenzo De Filippis</b> , Commutators with power central values on a Lie ideal .....	269
<b>Bohumil Cenkľ and Richard Porter</b> , Nilmanifolds and associated Lie algebras over the integers .....	5
<b>Claudio D'Antoni and László Zsidó</b> , Groups of linear isometries on multiplier $C^*$ -algebras .....	279
<b>Sharief Deshmukh</b> , Rigidity of compact minimal submanifolds in a sphere .....	31
<b>K.S. Druschel</b> , The cobordism of oriented three dimensional orbifolds ....	45
<b>Juliana Erlijman</b> , Two-sided braid groups and asymptotic inclusions ....	57
<b>Yoshiaki Fukuma and Hironobu Ishihara</b> , A generalization of curve genus for ample vector bundles, II .....	307
<b>J.E. Gilbert, J.A. Hogan and J.D. Lakey</b> , Characterization of Hardy spaces by singular integrals and 'divergence-free' wavelets .....	79
<b>T. Godoy and L. Saal</b> , $L^2$ spectral decomposition on the Heisenberg group associated to the action of $U(p, q)$ .....	327
<b>Mourad E.H. Ismail</b> , An electrostatics model for zeros of general orthogonal polynomials .....	355
<b>Mark S. Joshi and Stephen R. McDowall</b> , Total determination of material parameters from electromagnetic boundary information .....	107
<b>Tong Liu and Xianke Zhang</b> , Steinitz class of Mordell-Weil groups of elliptic curves with complex multiplication .....	371
<b>Katura Miyazaki and Kimihiko Motegi</b> , Toroidal surgery on periodic knots .....	381

<b>Tuen-Wai Ng and Chung-Chun Yang</b> , On the composition of a prime transcendental function and a prime polynomial .....	131
<b>Angela Pasquale</b> , A Paley-Wiener theorem for the inverse spherical transform .....	143
<b>Doug Pickrell</b> , On the action of the group of diffeomorphisms of a surface on sections of the determinant line bundle .....	177
<b>Joseph P. Previte and Eugene Z. Xia</b> , Topological dynamics on moduli spaces, I .....	397
<b>Krzysztof Róžga</b> , On central extensions of gyrocommutative gyrogroups .	201
<b>Matthias Schwarz</b> , On the action spectrum for closed symplectically aspherical manifolds .....	419
<b>Sangwon Seo</b> , Global existence and decreasing property of boundary values of solutions to parabolic equations with nonlocal boundary conditions .....	219
<b>Alexandra Shlapentokh</b> , Hilbert's tenth problem for algebraic function fields over infinite fields of constants of positive characteristic .....	463
<b>Anja Steinbach and Hendrik Van Maldeghem</b> , Generalized quadrangles weakly embedded of degree 2 in projective space .....	227
<b>Masamichi Takase</b> , Embeddings of $\mathbf{Z}_2$ -homology 3-spheres in $\mathbf{R}^5$ up to regular homotopy .....	249
<b>Christopher Towse</b> , Generalized Wronskians and Weierstrass weights ....	501