

CONTENTS

L. Badoian and J.B. Wagoner , Simple connectivity of the Markov partition space	1
Bohumil Cenkľ and Richard Porter , Nilmanifolds and associated Lie algebras over the integers	5
Sharief Deshmukh , Rigidity of compact minimal submanifolds in a sphere	31
K.S. Druschel , The cobordism of oriented three dimensional orbifolds	45
Juliana Erlijman , Two-sided braid groups and asymptotic inclusions	57
J.E. Gilbert, J.A. Hogan and J.D. Lakey , Characterization of Hardy spaces by singular integrals and ‘divergence-free’ wavelets	79
Mark S. Joshi and Stephen R. McDowall , Total determination of material parameters from electromagnetic boundary information	107
Tuen-Wai Ng and Chung-Chun Yang , On the composition of a prime transcendental function and a prime polynomial	131
Angela Pasquale , A Paley-Wiener theorem for the inverse spherical transform	143
Doug Pickrell , On the action of the group of diffeomorphisms of a surface on sections of the determinant line bundle	177
Krzysztof Róźga , On central extensions of gyrocommutative gyrogroups .	201
Sangwon Seo , Global existence and decreasing property of boundary values of solutions to parabolic equations with nonlocal boundary conditions	219
Anja Steinbach and Hendrik Van Maldeghem , Generalized quadrangles weakly embedded of degree 2 in projective space	227
Masamichi Takase , Embeddings of \mathbf{Z}_2 -homology 3-spheres in \mathbf{R}^5 up to regular homotopy	249