

ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 37

2007

Number 1

CONTENTS

Pairs of Topological Algebras BY MART ABEL AND MATI ABEL	1
On Locally Uniformly A -Pseudoconvex Algebras BY M. ABEL, A. EL KINANI AND M. OUDADESS	17
On a Stationary, Triple-Wise Independent, Absolutely Regular Counterexample to the Central Limit Theorem BY RICHARD C. BRADLEY	25
The Length of Ducci's Four-Number Game BY RON BROWN AND JONATHAN L. MERZEL	45
Periodic Boundary Value Problem for First Order Impulsive Differential Equation at Resonance BY GUOLAN CAI, ZENGJI DU AND WEIGAO GE	67
On Impulsive Time-Varying Systems with Unbounded Time- Varying Point Delays: Stability and Compactness of the Relevant Operators Mapping the Inupt Space into the State and Output Spaces BY M. DE LA SEN	79
On a Problem of Diophantus with Polynomials BY ANDREJ DUJELLA AND FLORIAN LUCA	131
On the Approximation of the Jacobi Polynomials BY URI ELIAS AND HARRY GINGOLD	159
Green's Theorem without Derivatives BY ISIDORE FLEISCHER	185
Inequalities of Generalized Hyperbolic Metrics BY PETER A. HÄSTÖ	189
Domains of Dimension 1 with Infinitely Many Singular Maximal Ideals BY WILLIAM J. HEINZER AND LAWRENCE S. LEVY	203
An Eigenvalue Problem for Quasilinear Systems JOHNNY HENDERSON AND HAIYAN WANG	215

CONTENTS CONTINUED ON LAST PAGE

Cardinal Invariants of the Topology of Uniform Convergence on Compact Sets on the Space of Minimal USCO Maps BY L'. HOLÁ AND R.A. MCCOY	229
Remarks on Spaces of Real Rational Functions BY YASUHIKO KAMIYAMA	247
A Central Limit Theorem for General Weighted Sums of LNQD Random Variables and Its Application BY MI-HWA KO, DAE-HEE RYU, TAE-SUNG KIM AND YONG-GAB CHOI	259
Classical Operators on Mixed-Normed Spaces with Product Weights DOUGLAS S. KURTZ	269
When Divisibility by an Element Implies Invertibility JOHN A. LEWALLEN	285
On the Number of Blowing-Up Solutions to a Nonlinear Elliptic Equation with Critical Growth BY ANNA MARIA MICHELETTI, ANGELA PISTOIA AND DANIELA VISETTI	291
The Square of a Map, Symbolic Dynamics and the Conley Index JIM WISEMAN	327
Bellman Functions and MRA Wavelets JANINE WITWERT	343