

ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 31

Spring 2001

Number 1

CONTENTS

| | |
|--|-----|
| Factorization in Commutative Rings with Zero Divisors, III BY AHMET G. AGARGÜN, D.D. ANDERSON, AND SILVIA VALDEZ-LEON | 1 |
| Existence of Three Solutions to Integral and Discrete Equations via the Leggett Williams Fixed Point Theorem BY RAVI P. AGARWAL AND DONAL O'REGAN | 23 |
| A Quartic Surface of Integer Hexahedra BY ROGER C. ALPERIN | 37 |
| Squares of Riesz Spaces BY G. BUSKES AND A. VAN ROOIJ | 45 |
| Homogeneous Algebraic Distributions BY M. CASTRILLÓN LÓPEZ AND J. MUÑOZ MASQUÉ | 57 |
| Multiplier Operators on Weighted Function Spaces BY YUN-SHIOW CHEN, LUNG-KEE CHEN AND DASHAN FAN | 77 |
| Composition Operators from the Space of Cauchy Transforms into Its Hardy-Type Subspaces BY JUN SOO CHOA AND HONG OH KIM | 95 |
| Equal Sums of Like Powers BY AJAI CHOUDHRY | 115 |
| On Some Finite Product Identities BY SHAUN COOPER AND MICHAEL HIRSCHHORN | 131 |
| The Obrechhoff Transform on Spaces of Generalized Functions BY D.I. CRUZ-BÁEZ AND D. RODRÍGUEZ | 141 |
| A Cyclic Element Characterization of Monotone Normality BY DALE DANIEL AND BRUCE TREYBIG | 157 |
| Multiplicity of Positive Solutions for Higher Order Sturm-Liouville Problems BY JOHN M. DAVIS, LYNN H. ERBE AND JOHNNY HENDERSON | 169 |
| On Explicit Formulas for the Modular Equation BY SHAMITA DUTTA GUPTA AND XIAOTIE SHE | 185 |

CONTENTS CONTINUED ON BACK PAGE

| | |
|--|-----|
| Geometrical Properties of the Product of a C^* -Algebra BY KAIDI EL AMIN, ANTONIO MORALES CAMPOY AND ANGEL RODRIGUEZ PALACIOS | 197 |
| Orbifold Spectral Theory BY CARLA FARSI | 215 |
| Paraquaternionic Kähler Manifolds BY EDUARDO GARCÍA-RÍO, YASUO MATSUSHITA AND RAMÓN VÁZQUEZ-LORENZO | 237 |
| A Coefficient Problem for Univalent Functions Related to Two-Point Distortion Theorems BY RICHARD GREINER AND OLIVER ROTH | 261 |
| Covariant Representability for Covariant Multilinear Operators BY JAESEONG HEO | 285 |
| Simple Geometric Characterization of Supersolvable Arrangements BY TAN JIANG, STEPHEN S.-T. YAU AND LARN-YING YEH | 303 |
| The Sharp Bound for Some Coefficient Functional within the Class of Holomorphic Bounded Functions and Its Applications BY K. KIEPELA, M. PIETRZYK AND J. SZYNAL | 313 |
| Univalence and Convexity Properties for Gaussian Hypergeometric Functions BY S. PONNUSAMY AND M. VUORINEN | 327 |