

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