

THE ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 15

Winter 1985

Number 1

CONTENTS

Kummer congruencies in formal groups and algebraic groups of dimension one By C. SNYDER	1
On the existence on metric polarizations By RONALD L. LIPSMAN	13
Regularized Ritz approximations for Fredholm equations of the first kind By C.W. GROETSCH AND J. GUACANEME	33
Gorenstein toric threefolds with isolated singularities and cyclic divisor class group By RICK MIRANDA	39
A characterization of those spaces having zero-dimensional remainders By BEVERLY DIAMOND	47
The Schur and Hahn theorems for operators matrices By CHARLES SCHWARTZ	61
Zeros and factors of polynomials with positive coefficients and protein-ligand binding By W.E. BRIGGS	75
Chain conditions in endomorphism rings By ULRICH ALBRECHT	91
Reflexive algebras of matrices By GEORGE P. BARKER AND JOYCE J. CONKLIN	107
A new proof of the Cwikel-Lieb-Rosenblum bound By JOSEPH G. CONLON	117
Some distortion theorems for a class of convex functions By RICHARD FOURNIER	123
The theory of forced, convex autonomous, two point boundary value problems By THEODORE LAETSCH	133
The Schur multiplier of the automorphism group of the Mathieu group M_{22} By JOHN F. HUMPHREYS	155

Multipliers for some spaces of Banach algebra valued functions By HANG-CHI LAI	157
On continued fractions corresponding to asymptotic series By BURNETT MEYER	167
Some questions related to almost 2-fully normal spaces By HANS-PETER KUNZI AND PETER FLETCHER	173
The genera of $\text{PSL}(F_q)$ -Luroth coverings By ASTHUR K. WAYMAN	185
Metric transformations of the real line By DARYL TINGLEY	199
Spectrum of nonpositive contractions on $C(X)$ By ROBERT E. ATALLA	207
Functions with preassigned local maximum points By F.S. CATER	215
An occupancy problem By K.S. KHATTAB AND A.M. KHIDR	219