

ROCKY MOUNTAIN JOURNAL OF MATHEMATICS

Volume 20

Winter 1990

Number 1

CONTENTS

Zero-one set functions and absolute continuity By W.D.L. APPLING	1
On sums of uniserial modules By K. BENABDALLAH, A. BOUANANE And S. SINGH	15
The automorphism groups of the hyperelliptic surfaces By C. BENNETT And R. MIRANDA	31
Approximation by semi-Fredholm operators with fixed nullity By R. BOULDIN	39
Order continuous Borel liftings By D.C. CAROTHERS	51
Nörlund and weighted mean matrices as operators on l_p By F.P. CASS And W. KRATZ	59
Azumaya algebras which are not smash products By L.N. CHILDS	75
The square class invariant By C.M. CORDES And D.L. FOREMAN	91
Counting finite subsets of an immune set By J.C.E. DEKKER,	99
Isols and generalized Boolean algebras By J.C.E. DEKKER	107
Maximum likelihood and best approximations By A. EGGER	117
The rotations of $\ell(\phi_n)$ By R.J. FLEMING And J. E. JAMISON	123
When do two groups always have isomorphic extension groups? By H.P. GOETERS	129
The integers of a cyclic quartic field By R.H. HUDSON And K. S. WILLIAMS	145
An asymptotic property for tails of limit periodic continued fractions By L. JACOBSEN And H. WAADELAND	151
On the space of vector-valued functions of bounded variation By K. KITAHARA	165
The metrization of upper limit topologies By W.M. KRUEGER	173
Curvature and proper holomorphic mappings between bounded domains in C^n By E.B. LIN And B. WONG	179
A note on compactness in L -fuzzy pretopological spaces By A.S. MASHHOUR, A.A. RAMADAN And M.E. Abd. EL-MONSEF	199
The relative consistency of a "large cardinal" property for ω_1 By R. MIGNONE	209
Controlling conjugacy classes in embeddings of locally finite groups By S.E. SCHUUR	215
Truncated ergodic theorems for non-singular automorphisms By C.E. SILVA	223
Solution to two problems in inverse interpolation By V. TOTIK	243
A note on valuations, p -primes and the holomorphy subring of a commutative ring By K.G. VALENTE	251