

Contents

On Countably Σ -CS Modules ADEL N. ALAHMADI, HUSAIN S. AL-HAZMI, AND PEDRO A. GUIL ASENSIO	1
Moduli Spaces of Graded Representations of Finite Dimensional Algebras E. BABSON, B. HUISGEN-ZIMMERMANN, AND R. THOMAS	7
An Essential Extension with Nonisomorphic Ring Structures GARY F. BIRKENMEIER, JAE KEOL PARK, AND S. TARIQ RIZVI	29
Supplemented Principal Ideals VICTOR CAMILLO AND SHARON LIMA	49
Some Properties of Rings Reflected in Infinite Matrix Rings VICTOR CAMILLO AND JUAN JACOBO SIMÓN	59
Slender Monoids RADOSLAV M. DIMITRIĆ	73
Multivariable Public Key Cryptosystems JINTAI DING AND DIETER SCHMIDT	79
Repeated-Root Constacyclic Codes of Length 2^s over \mathbb{Z}_{2^a} HAI Q. DINH	95
Contravariant Finiteness and Pure Semisimple Rings NGUYEN VIET DUNG	111
A Characterization of Additive Categories with the Krull-Schmidt Property ALBERTO FACCHINI	125
A Dixmier-Moeglin Equivalence for Poisson Algebras with Torus Actions K. R. GOODEARL	131
Pure-Injectivity in the Category of Flat Modules PEDRO A. GUIL ASENSIO AND IVO HERZOG	155
Eigenvalues, Multiplicities and Graphs CHARLES R. JOHNSON, ANTÓNIO LEAL DUARTE, CARLOS M. SAIAGO, AND DAVID SHER	167
Closure of Matrix Classes under Schur Complementation, Including Singularities CHARLES R. JOHNSON AND RONALD L. SMITH	185

Sums of Alternating Matrices and Invertible Matrices T. Y. LAM AND R. G. SWAN	201
Internal Exchange Rings SAAD H. MOHAMED	213
Representation of σ -Complete MV-Algebras and their Associated Dedekind σ -Complete l -Groups DANIELE MUNDICI	219
Noncommutative Linear Algebra BARBARA L. OSOFSKY	231
The Moduli Space of Three-Dimensional Lie Algebras CAROLYN OTTO AND MICHAEL PENKAVA	255
Questions Related to Koethe's Nil Ideal Problem EDMUND R. PUCZYLOWSKI	269
Bounds on the Pseudo-Weight of Minimal Pseudo-Codewords of Projective Geometry Codes ROXANA SMARANDACHE AND MARCEL WAUER	285
On Galois Extensions with Automorphism Group as Galois Group GEORGE SZETO AND LIANYONG XUE	297
A *-Litoff Theorem for Associative Pairs MARIBEL TOCÓN	307
Open Problems	315