Contents

Preface ix

Chains of semiprime and prime ideals in Leavitt path algebras
G. Abrams, B. Greenfeld, Z. Mesyan, and K. M. Rangaswamy 1

The conditions \((C_i), i = 1, 2, 3, 11, 12,\) in rings, modules, categories, and lattices
Toma Albu 17

On \(K\)-semi discrete modules
Ahmed Y. Ammar, Atif S. El-Araby, Mahmoud A. Kamal, and Nawal S. Mahmoud 35

Nonlinear Lie triple higher derivation on triangular algebras
Mohammad Ashraf and Aisha Jabeen 43

On universal localization of Noetherian rings
John A. Beachy and Christine M. Leroux 59

A survey of intrinsic extensions of rings
Gary F. Birkenmeier and Enoch K. S. Lee 69

The reduced ring order and lower semi-lattices
W. D. Burgess and R. Raphael 89

On a category of extensions whose endomorphism rings have at most four maximal ideals
Federico Campanini and Alberto Facchini 107

Tilting cotorsion pairs and pure semisimple rings
Nguyen Viet Dung and José Luis García 127

Twist invariants of graded algebras
K. R. Goodearl and M. T. Yakimov 141

Modules invariant under monomorphisms of their envelopes
Pedro A. Guil Asensio, Derya Keskin Tütüncü, and Ashish K. Srivastava 171

Some results and questions on left-right symmetry
Dinh Van Huynh and Dinh Duc Tai 181

Rings in which every unit is a sum of a nilpotent and an idempotent
Arezou Karimi-Mansoub, Tamer Koşan, and Yiqiang Zhou 189
Commutators and anti-commutators of idempotents in rings  
**Dinesh Khurana and T. Y. Lam** 205

Distributive hierarchies of binary operations  
**Sergio López-Permouth and Louis H. Rowen** 225

Idealizers in differential polynomial rings and generalized HNP rings  
**Hidetoshi Marubayashi and Akira Ueda** 243

Module hulls—similarities and contrasts  
**Jae Keol Park and S. Tariq Rizvi** 255

Direct sums of completely almost self-injective modules  
**Surjeet Singh** 273