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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Jae Koel Park and S. M. Tariq Rizvi: On some Classes of Module Hulls -- Akihiro Yamamura: Spined Product Decompositions of Orthocryptogroups -- Vincenzo de Filippis: Generalized Skew Derivations and g-Lie Derivations of Prime Rings -- Ashish Kumar Srivastava: Additive Representations of Elements in Rings: A Survey -- Shuliang Huang: Notes on Commutativity of Prime Rings -- Shervin Sahebi and V. Rahmani: Generalized Derivations on Rings and Banach Algebras -- Ravi A. Rao: A study of Suslin Matrices: Their Properties and Uses -- Shreedevi K. Masuti, Parangama Sarkar and J. K. Verma: Variation on the Grothendieck-Serre Formula for Hilbert Functions and Their Applications -- Tony Joseph Puthenpurakal: De Rham Cohomology of Local Cohomology Modules -- Manoj Kumar Yadav: Central Quotient Versus Commutator Subgroup of Groups -- Tamilselvi, A. Vidhya and B. Kethesan: Robinson-Schensted Correspondence for the Walled Brauer Algebras and the Walled Signed Brauer algebras -- M.K. Sen: - Semigroups: A Survey -- N. K. Thakare, B. N. Waphare and Avinash Patil: Comparability Axioms in Orthomodular Lattices and Rings with Involution -- A. R. Rajan: Structure theory of regular Semigroups using Categories -- P. G.

Romeo and Akhila R.: Biorder Ideals and Regular Rings -- Asma Ali and Farhat Ali: Product of Generalized Semiderivation in Prime Near Rings -- Selvaraj and R. Saravanan: n-Strongly Gorenstein Projective and Injective Complexes -- Basudeb Dhara: Generalized Derivations with Nilpotent Values on Multilinear Polynomials in Prime Rings -- Manoj Kumar Patel: Properties of Semi-Projective Modules and Their Endomorphism Rings -- R. P. Sharma: L Labelling of Sets Under the Actions of S_n and A_n -- Anil Khainar and B. N. Waphare: Zero-Divisor Graphs of Laurent Polynomials and Laurent Power Series -- Basudeb Dhara, Asma Ali and Shahoor Khan: Pair of Generalized Derivations and Lie Ideals in Prime Rings -- T. Tamizh Chelvam, T. Asir and K. Selvakumar: On Domination in Graphs from Commutative Rings: A survey -- A. K. Chaturvedi: On Iso-Retractable Modules and Rings -- Azeef Muhammed P. A.: Normal Categories from Completely Simple Semigroups -- N. M. Khan and Mohd. Aasim Khan: Ordered Semigroups Characterize in Terms of Intuitionistic Fuzzy Ideals -- R. D. Giri: On a Problem of Satyanarayana Regarding the Recognizability of Codes.

Sommario/riassunto

This book discusses recent developments and the latest research in algebra and related topics. The book allows aspiring researchers to update their understanding of prime rings, generalized derivations, generalized semiderivations, regular semigroups, completely simple semigroups, module hulls, injective hulls, Baer modules, extending modules, local cohomology modules, orthogonal lattices, Banach algebras, multilinear polynomials, fuzzy ideals, Laurent power series, and Hilbert functions. All the contributing authors are leading international academicians and researchers in their respective fields. Most of the papers were presented at the international conference on Algebra and its Applications (ICAA-2014), held at Aligarh Muslim University, India, from December 15–17, 2014. The conference has emerged as a powerful forum offering researchers a venue to meet and discuss advances in algebra and its applications, inspiring further research directions. <
