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	Autore	Patel Manoj Kumar
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product of right admissible groups -- W. Rehman, Binary quantum codes from cyclic codes over Ru,v -- Mohd Nazim, On the genus and cross cap of the extended sum Annihilating-ideal graph of commutative rings -- Pragneshkumar R. Makwana, Investigation of Ideal and Spectrum of Different Products on Matrices -- B. Sonar, On Spectrum of Neighbourhood Corona Product of Signed Graphs -- V. Kumar, A Study of Key Exchange Protocol Using Quasidirect Product of Groups -- Manjil P. Saikia, On K-Facile Perfect Perfect Numbers -- M. Kumari, On the role of generalized Fibonacci matrices as key in modified ECC -- P. Gupta, On the Relation of Pure Projective Modules with Other Modules -- W. Ahmed, On lie ideals with generalized Homoderivations in prime rings -- Ashok Ji Gupta, Salted cubic unbalanced oil and vinegar digital signature -- R. G. Ghumde, A note on regular qclean rings -- B. Chatterjee, One type of finitely generated minimal linear code over the ring Z2n -- P. Singh, Reductions and sally module -- A. S Odyuo, The -labeling on decomposition of complete bipartite graphs -- R. Kumar, A Finite Non-Abelian SR-Group G2n -- K. Prasad, Sedenion algebra of the k-Mersenne and k-Mersenne-Lucas -- A. Uddin Ansari, Graded Uniformly S-Noetherian Modules -- M. R. Mozumder, A note on differential identities in s-prime ring with generalized Derivations -- H. Chakraborty, Iso M-Artinian (Noetherian) Modules and Rings -- S. Rani, On Hamming distance and RT distance of class of constacyclic codes over FpnuFpnut-1Fpn -- N. Mahdou, Uniform coherence in amalgamated algebra Along an ideal -- S. Pirzada, Distance Laplacian Spectrum and energy of commuting conjugacy class Graphs -- M. Ashraf, Nonlinear -Lie higher derivations of unital -Algebras -- C. Bakkari, Rings in which every ideal is S-weakly Prime ideal -- S. Bouchiba, On -V-modules -- David E. Dobbs, Using integral closure to characterize going-down domains, Ii -- R. Tribak, On a generalization of C4-Modules.

| Sommario/riassunto | This volume contains selected chapters on algebra and related topics presented at the International Conference on Algebra and its Applications, held at the Department of Mathematics, Faculty of Science and Technology, Sidi Mohamed Ben Abdellah University, Fez, Morocco, from 12–15 July 2023, held in honour of Prof. Ayman Badawi and Prof. Abdelmoujib Benkirane. It contains a cross-section of topics in algebra and its applications which contribute to the development of pure and applied algebra. Chapters in the book focus on modern trends and techniques in various branches of pure and applied algebra and highlight their applications in several other branches of mathematics like coding theory, cryptography and graph theory. Covering a broad range of topics in pure and applied algebra, the book will be useful to a wide spectrum of researchers and graduate students in mathematics. |