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|-------------------------|---|
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Monografia

Note generali

"AMS Special Session on Algorithmic Problems of Group Theory and Applications to Information Security, April 6-7, 2013, Boston College, Chestnut Hill, MA."--Cover.  
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Nota di bibliografia

Includes bibliographical references at the end of each chapters.

Nota di contenuto

""Cover""; ""Title page""; ""Contents""; ""Preface""; ""Secret sharing using non-commutative groups and the shortlex order""; ""1. Introduction""; ""2. Formal Definition""; ""3. Shamira's Secret Sharing Scheme""; ""4. Secret Sharing Using Non-commutative Groups""; ""5. Updating Relators""; ""6. Conclusion""; ""References""; ""An algorithm that decides conjugacy in a certain generalized free product""; ""1. Introduction""; ""2. Preliminaries""; ""3. The Algorithm""; ""References""; ""Classification of automorphic conjugacy classes in the free group on two generators""; ""1. Introduction""  
""2. The graph  $I?( )$ """"3. Non-root classes""; ""4. Root classes""; ""5. Enumeration""; ""Appendix A. Table of automorphic conjugacy classes""; ""Appendix B. Number of automorphic conjugacy classes of each type""; ""Appendix C. Number of paths of each size""; ""Acknowledgement""; ""References""; ""On elementary free groups""; ""1. Introduction""; ""2. The Tarski Problems and Elementary Free Groups""; ""3. Surface Groups and Magnus's Theorem""; ""4. Cyclic Centralizers and Commuting Elements""; ""5. Hyperbolicity and Stable Hyperbolicity""; ""6. The Retract Theorem and Turner Groups""  
""7. Conjugacy Separability of Elementary Free Groups""""8. Tame Automorphisms of Elementary Free Groups""; ""9. Faithful Representations in  $(2, \mathbb{C})$ ""; ""References""; ""An application of a localized version of an axiom of Ian Chiswell""; ""1. Introduction""; ""2. Questions""; ""References""; ""A note on Stallings's pregroups""; ""1. Introduction""; ""2. Adds, Prees and Pregroups""; ""3. Kushner's Generalization of a Pregroup. T2-prees""; ""4. Axiom [GLS2]""; ""5. Generalizations""; ""References""; ""A CCA secure cryptosystem using matrices over group rings""  
""1. Cramer-Shoup cryptosystem""""2. A CCA-2 secure cryptosystem using matrices over group rings""; ""3. Adaptive CCA security for matrices over group rings""; ""References""; ""The MOR cryptosystem and finite  $\pi$ -groups""; ""1. Introduction""; ""2. Definitions and notations""; ""3. The MOR cryptosystem""; ""4. MOR cryptosystems on finite  $\pi$ -groups using  $\alpha$ -automorphisms""; ""5. The MOR cryptosystem and elementary abelian  $\pi$ -group""; ""6. The extra-special  $\pi$ -groups and its automorphism group""; ""7. MOR cryptosystems on finite  $\pi$ -groups using  $\alpha$ -automorphisms""; ""8. Conclusion""  
""4. Open problems""