

1. Record Nr.	UNINA9910788740403321
Autore	Dickmann M. A. <1940->
Titolo	Special groups : boolean-theoretic methods in the theory of quadratic forms // M.A. Dickmann, F. Miraglia
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2000
ISBN	1-4704-0280-7
Descrizione fisica	1 online resource (271 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; number 689
Disciplina	510 s 512/.71
Soggetti	Forms, Quadratic Algebra, Boolean
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"May 2000, volume 145, number 689 (second of 4 numbers)."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>""Contents""; ""Preface""; ""Chapter 1. Special Groups""; ""1. Special Groups and their Morphisms. Examples""; ""2. Characterizations of Special Groups""; ""3. Fields and Special Groups""; ""Chapter 2. Pfister Forms, Saturated Subgroups and Quotients""; ""1. Pfister Forms""; ""2. Saturated Subgroups""; ""3. Pfister quotients""; ""Chapter 3. The Space of Orders of a Reduced Group. Duality""; ""Chapter 4. Boolean Algebras and Reduced Special Groups""; ""1. Boolean Algebras as Reduced Special Groups""; ""2. The Boolean Hull of a Reduced Special Group""; ""Chapter 5. Embeddings""</p> <p>""1. Complete Embeddings""""2. SG-morphisms with a retract""; ""3. Pure Embeddings""; ""4. Isotropy-Reflecting Morphisms""; ""Chapter 6. Special Groups of Continuous Functions""; ""1. Filtered Powers""; ""2. SG-filtered Powers""; ""3. Stalks and Germs""; ""4. The Space of Orders of a SG-filtered Power""; ""5. The Boolean Hull of SG-Filtered Powers""; ""Chapter 7. Horn-Tarski and Stiefel-Whitney Invariants""; ""1. The Horn-Tarski conditions""; ""2. Basic Properties""; ""3. Some applications""; ""4. The invariants of Pfister forms""; ""5. The invariants of linear combinations of Pfister forms""</p> <p>""Chapter 8. Algebraic K-theory of Fields and Special Groups""""1. Milnor's Algebraic K-theory""; ""2. Isometry and K-Theoretic Stiefel-Whitney Invariants""; ""Chapter 9. Marshall's Conjecture for Pythagorean</p>

Fields"; "1. Introduction"; "2. The inductive limit of graded rings of exponent two"; "3. The isomorphisms $k(F) \cong B(F)$ and $W(G) \cong B[\text{sub}(G)]$ "; "4. The equivalence of Marshall's conjecture to the weak Marshall conjecture for AV groups"; "5. Marshall's conjecture for Pythagorean fields"; "Chapter 10. The category of special groups"; "1. Monics and Epics"; "2. Free, injective and projective objects"; "3. Products and Coproducts"; "Chapter 11. Some Model Theory of Special Groups"; "1. The first-order theory of fans"; "2. Existentially closed special groups"; "3. The model-completion of the theory of reduced special groups"; "4. The atomless hull of a Boolean algebra"; "5. The atomless hull of a reduced special group"; "6. Quantifier Elimination"; "Appendix A. The Universal Theory of Reduced Special Groups"; "Appendix B. Table of References for [DM1] and [DM2]"; "Bibliography"; "Index"; "A"; "B"; "C"; "D"; "E"; "F"; "G"; "H"; "I"; "K"; "L"; "M"; "O"; "P"; "Q"; "R"; "S"; "T"; "U"; "V"; "W"
