1. Record Nr. UNINA9910828441303321

Autore	Frecon Olivier <1974->
Titolo	Algebraic Q-groups as abstract groups / / Olivier Frecon
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2018] ©2018
ISBN	1-4704-4815-7
Descrizione fisica	1 online resource (v, 99 pages)
Collana	Memoirs of the American Mathematical Society ; ; Number 1219
Disciplina	512.9
Soggetti	Algebra Finite groups Isomorphisms (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"September 2018 . Volume 255 . Number 1219 (second of 7 numbers)."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Title page -- Chapter 1. Introduction -- 1.1. Related work -- 1.2. The field of definition -- 1.3. Overview of the paper -- Chapter 2. Background material -- 2.1. Groups of finite Morley rank -- 2.2. Fundamental theorems -- 2.3. Decent tori and pseudo-tori -- 2.4. Unipotence -- Chapter 3. Expanded pure groups -- Chapter 4. Unipotent groups over \ov{\Q} and definable linearity -- Chapter 5. Definably affine groups -- 5.1. Definition and generalities -- 5.2. The subgroup ( ) -- 5.3. The subgroup ( ) -- Chapter 6. Tori in expanded pure groups -- Chapter 7. The definably linear quotients of an -group -- 7.1. The subgroups ( ) and ( ) -- 7.2. The nilpotence of ( ) -- 7.3. The subgroup ( ) when the ground field is \ov{\Q} -- 7.4. The subgroups ( ) and ( ) in positive characteristic -- Chapter 8. The group _{ } and the Main Theorem for =\ov{\Q} -- Chapter 9. The Main Theorem for =\ov{\Q} -- Chapter 10. Bi-interpretability and standard isomorphisms -- 10.1. Positive characteristic and bi-interpretability -- 10.2. Characteristic zero -- Acknowledgements -- Bibliography -- Index of notations -- Index -- Back Cover.
Sommario/riassunto	The author analyzes the abstract structure of algebraic groups over an algebraically closed field K. For K of characteristic zero and G a given connected affine algebraic \overline{\mathbb Q}-group, the main

	theorem describes all the affine algebraic \overline{\mathbb Q} -groups H such that the groups H(K) and G(K) are isomorphic as abstract groups. In the same time, it is shown that for any two connected algebraic \overline{\mathbb Q} -groups G and H, the elementary equivalence of the pure groups G(K) and H(K) implies that they are abstractly isomorphic. In the final section, the author applies his results to characterize the connected algebraic groups, all of whose abstract automorphisms are standard, when K is either \overline {\mathbb Q} or of positive characteristic. In characteristic zero, a fairly general criterion is exhibited.

2.

Record Nr.	UNINA9910972466203321
Autore	Lannoo Michel
Titolo	Atomic and Electronic Structure of Surfaces : Theoretical Foundations / / by Michel Lannoo, Paul Friedel
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1991
ISBN	3-662-02714-3
Edizione	[1st ed. 1991.]
Descrizione fisica	1 online resource (XII, 256 p.)
Collana	Springer Series in Surface Sciences, , 2198-4743 ; ; 16
Disciplina	539
Soggetti	Atoms Molecules Surfaces (Technology) Thin films Crystallography Electronics Atomic, Molecular and Chemical Physics Surfaces, Interfaces and Thin Film Crystallography and Scattering Methods Electronics and Microelectronics, Instrumentation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. General Methods for Calculating the Electronic

Structure of Surfaces -- 3. Transition Metal Surfaces -- 4. Electronic States at Covalent Semiconductor Surfaces -- 5. Surfaces of Compound Semiconductors -- 6. Chemisorption on Semiconductor Surfaces -- 7. Interfaces -- 8. Surface Phonons -- Solutions to Exercises -- References.

Sommario/riassunto

Surfaces and interfaces play an increasingly important role in today's solid state devices. In this book the reader is introduced, in a didactic manner, to the essential theoretical aspects of the atomic and electronic structure of surfaces and interfaces. The book does not pretend to give a complete overview of contemporary problems and methods. Instead, the authors strive to provide simple but qualitatively useful arguments that apply to a wide variety of cases. The emphasis of the book is on semiconductor surfaces and interfaces but it also includes a thorough treatment of transition metals, a general discussion of phonon dispersion curves, and examples of large computational calculations. The exercises accompanying every chapter will be of great benefit to the student.