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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 $\overline{\mathbb{Q}}$ and definable linearity -- Chapter 5. Definably affine groups -- 5.1. Definition and generalities -- 5.2. The subgroup Γ -- 5.3. The subgroup Γ -- Chapter 6. Tori in expanded pure groups -- Chapter 7. The definably linear quotients of an Γ -group -- 7.1. The subgroups Γ and Γ -- 7.2. The nilpotence of Γ -- 7.3. The subgroup Γ when the ground field is $\overline{\mathbb{Q}}$ -- 7.4. The subgroups Γ and Γ in positive characteristic -- Chapter 8. The group Γ and the Main Theorem for $\overline{\mathbb{Q}}$ -- Chapter 9. The Main Theorem for $\overline{\mathbb{Q}}$ -- 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.
