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Nota di contenuto	Automorphisms of the Free Algebra of Rank Two -- Toward Multiplicative Invariant Theory -- Invariants of Finite Linear Groups Acting on Relatively Free Algebras: A Survey -- Noncommutative Invariant Theory -- 1. Introduction. -- 2. T-ideals and Relatively Free Rings. -- 3. The Representation Theory of $GL(n,K)$. -- 4. Hilbert Series and Character Series of Relatively Free Algebras. -- 5. Holien's Theorem for Relatively Free Algebras. -- 6. Finite Generation of Rings of Invariants. -- 7. Relative Freeness of Rings of Invariants. -- 8. The Ring of Generic Matrices. -- 9. Homogeneous C^* -algebras and Azumaya Algebras. -- Invariants and Formal Group Law Actions -- Classification of Compact Group Actions on Locally -- The Rohlin Property for Automorphisms of UHF C^* -Algebras -- Invariant Theory of Commutative Rings -- Index for Subrings of Rings -- Duality for Actions and Coactions of Groups -- Algebraic Crossed Products -- K-Theoretic Freeness of Finite Group Actions on C^* -Algebras -- Skew Group Rings in the Computation of Grothendieck Groups and in the Representation Theory of Artin Algebras -- K-Theory of Crossed Products of C^* -Algebras by Discrete Groups -- Groups Acting on Fields: Noether's Problem.

