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| 1. Record Nr. | UNINA9910788780703321 |
| Titolo | Algebraists' homage : papers in ring theory and related topics |
| Pubbl/distr/stampa | Providence, Rhode Island : , : American Mathematical Society, , [1982] ©1982 |
| ISBN | 0-8218-7599-X 0-8218-5374-0 |
| Descrizione fisica | 1 online resource (420 p.) |
| Collana | Contemporary mathematics, , 0271-4132 ; ; 13 , 0271-4132 |
| Disciplina | 512/.4 |
| Soggetti | Associative rings Nonassociative rings Associative algebras Nonassociative algebras Galois theory |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | "Proceedings of the Conference on Algebra in honor of Nathan Jacobson, held in New Haven, Connecticut, June 2-5, 1981, edited by S. A. Amitsur, D.J. Saltman, and G.B. Seligman"--Verso of title page. |
| Nota di bibliografia | Includes bibliographies. |
| Nota di contenuto | Contents -- Introduction -- Surveys: -- Division algebras, a survey -- Representation theory of finite dimensional algebras -- The polynomial identities of matrices -- 0. Introduction -- 1. T-ideals -- 2. Central polynomials -- 3. Representation theory of the symmetric group and general linear group -- 4. Trace identities -- 5. Codimensions and cocharacters -- 6. The ring of generic matrices -- 7. Example: The ring of 2 x 2 generic matrices -- The order of a finite group of Lie type -- Restricted Lie algebras (and beyond) -- Addresses: -- Determinants on free fields -- Weak cohomology -- Papers in Ring Theory: -- Applications of the classification of finite simple groups to Brauer groups -- Generic structures and field theory -- Balanced spaces of forms and skew cyclic transformations -- Rings with bounded index of nilpotence -- On the Jacobson density theorem -- Derivations of prime rings having power-central values -- Lie and Jordan mappings -- Some properties of rings reflected in endomorphism rings of free modules -- On the Galois theory of |

commutative rings I: Dedekind's theorem on the independence of automorphisms revisited -- On the deformation of diagrams of algebras -- On the Gelfand-Kirillov dimensions of noetherian PI-algebras -- A simple proof of Kostant's theorem, and an analogue for the symplectic involution -- Affine rings satisfying a polynomial identity -- Algebraic structure of power series rings -- Linkage and the symmetric algebra of ideals -- Polynomial constraints in lattice-ordered rings -- Lie, Jordan and Nonassociative Systems: -- Reality properties of conjugacy classes in spin groups and symplectic groups -- Variations on even Clifford algebras -- On the determination of rank one Lie algebras of prime characteristic -- Restricted simple Lie algebras of rank 2 or of toral rank 2 -- Restricted simple Lie algebras with toral Cartan subalgebras -- Composition triples -- Triple products, modular forms and harmonic volumes -- Bivariants of ternary rings -- Separable alternative algebras over commutative rings -- Exceptional Jordan division algebras -- An apology for Jordan algebras in quantum theory -- Identities of non-associative algebras studied by computer -- Galois Theory and Other Topics: -- On regularly closed fields -- Some geometric applications of a differential equation in characteristic $p > 0$ to the theory of algebraic surfaces -- On the inverse problem in difference Galois theory -- Quadratic Hopf algebras and Galois extensions -- The left antipodes of a left Hopf algebra -- Similarity of nilpotent integer matrices, or, four elementary categories -- Normal antilinear operators on a Hilbert space -- Why commutative diagrams coincide with equivalent proofs -- Axiomatic game theory.
