

1. Record Nr.	UNINA9910484477703321
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Titolo	Galois Theory and Advanced Linear Algebra / / by Rajnikant Sinha
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-13-9849-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (357 pages)
Disciplina	512.32
Soggetti	Algebras, Linear Matrix theory Algebra Linear Algebra Linear and Multilinear Algebras, Matrix Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Galois Theory I -- Galois Theory II -- Linear Transformations -- Sylvester's Law of Inertia -- Bibliography.
Sommario/riassunto	This book discusses major topics in Galois theory and advanced linear algebra, including canonical forms. Divided into four chapters and presenting numerous new theorems, it serves as an easy-to-understand textbook for undergraduate students of advanced linear algebra, and helps students understand other courses, such as Riemannian geometry. The book also discusses key topics including Cayley–Hamilton theorem, Galois groups, Sylvester's law of inertia, Eisenstein criterion, and solvability by radicals. Readers are assumed to have a grasp of elementary properties of groups, rings, fields, and vector spaces, and familiarity with the elementary properties of positive integers, inner product space of finite dimension and linear transformations is beneficial.