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Titolo	A first course in computational algebraic geometry / / Wolfram Decker and Gerhard Pfister ; with pictures by Oliver Labs [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2013
ISBN	1-107-23864-1 1-139-56576-1 1-107-25588-0 1-107-30195-5 1-107-30704-X 1-107-31259-0 1-299-00635-3 1-107-31479-8 1-107-30924-7
Descrizione fisica	1 online resource (viii, 118 pages) : digital, PDF file(s)
Collana	AIMS library series
Disciplina	516.3/5
Soggetti	Geometry, Algebraic - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Contents; Preface; Prologue: General Remarks on Computer Algebra Systems; 1 The Geometry-Algebra Dictionary; 1.1 Affine Algebraic Geometry; 1.1.1 Ideals in Polynomial Rings; 1.1.2 Affine Algebraic Sets; 1.1.3 Hilbert's Nullstellensatz; 1.1.4 Irreducible Algebraic Sets; 1.1.5 Removing Algebraic Sets; 1.1.6 Polynomial Maps; 1.1.7 The Geometry of Elimination; 1.1.8 Noether Normalization and Dimension; 1.1.9 Local Studies; 1.2 Projective Algebraic Geometry; 1.2.1 The Projective Space; 1.2.2 Projective Algebraic Sets; 1.2.3 Affine Charts and the Projective Closure 1.2.4 The Hilbert Polynomial2 Computing; 2.1 Standard Bases and Singular; 2.2 Applications; 2.2.1 Ideal Membership; 2.2.2 Elimination; 2.2.3 Radical Membership; 2.2.4 Ideal Intersections; 2.2.5 Ideal Quotients; 2.2.6 Kernel of a Ring Map; 2.2.7 Integrality Criterion; 2.2.8 Noether Normalization; 2.2.9 Subalgebra Membership; 2.2.10 Homogenization; 2.3 Dimension and the Hilbert Function; 2.4 Primary

	Decomposition and Radicals; 2.5 Buchberger's Algorithm and Field Extensions; 3 Sudoku; 4 A Problem in Group Theory Solved by Computer Algebra; 4.1 Finite Groups and Thompson's Theorem 4.2 Characterization of Finite Solvable GroupsBibliography; Index
Sommario/riassunto	A First Course in Computational Algebraic Geometry is designed for young students with some background in algebra who wish to perform their first experiments in computational geometry. Originating from a course taught at the African Institute for Mathematical Sciences, the book gives a compact presentation of the basic theory, with particular emphasis on explicit computational examples using the freely available computer algebra system, Singular. Readers will quickly gain the confidence to begin performing their own experiments.

2.

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Titolo	Critical essays on Roman literature : satire / / edited by J.P. Sullivan
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Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	First published in 1963 by Routledge and Kegan Paul.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	chapter The Roman Socrates: Horace and His Satires -- chapter Persius / R. G. M. Nisbet, Corpus Christi College, Oxford -- chapter Satire and Realism in Petronius -- chapter Is Juvenal a Classic?.
Sommario/riassunto	"First published in 1963, this book is the second of two volumes which bridge the gap between the study of classics and the study of literature and attempt to reconcile the two disciplines. Focusing on satire, this collection of essays offers a critical examination of Latin literature and

aims to stimulate critical discussion of a selection of Latin poets. This experimental and ground-breaking book will be of particular interest to students of Roman Literature, Classics and Poetry."--Provided by publisher.