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Autore	Mumford David <1937->
Titolo	The red book of varieties and schemes / / David Mumford
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Edizione	[1st ed. 1988.]
Descrizione fisica	1 online resource (V, 315 p. 13 illus.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1358
Classificazione	14A10 14A15 14H10 14Kxx 14Fxx 14Lxx
Disciplina	516.35
Soggetti	Geometry, Algebraic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Varieties -- Some algebra -- Irreducible algebraic sets -- Definition of a morphism: I -- Sheaves and affine varieties -- Definition of prevarieties and morphism -- Products and the Hausdorff Axiom -- Dimension -- The fibres of a morphism -- Complete varieties -- Complex varieties -- Preschemes -- Spec (R) -- The category of preschemes -- Varieties are preschemes -- Fields of definition -- Closed subschemes -- The functor of points of a prescheme -- Proper morphisms and finite morphisms -- Specialization -- Local Properties of Schemes -- Quasi-coherent modules -- Coherent modules -- Tangent cones -- Non-singularity and differentials -- Étale morphisms -- Uniformizing parameters -- Non-singularity and the UFD property -- Normal varieties and normalization -- Zariski's Main Theorem -- Flat and smooth morphisms.
Sommario/riassunto	"The book under review is a reprint of Mumford's famous Harvard lecture notes, widely used by the few past generations of algebraic geometers. Springer-Verlag has done the mathematical community a service by making these notes available once again.... The informal style and frequency of examples make the book an excellent text."

