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Titolo	Projective varieties with unexpected properties [[electronic resource] ] : a volume in memory of Giuseppe Veronese : proceedings of the international conference "Varieties with Unexpected Properties," Siena, Italy, June 8-13, 2004 // edited by Ciro Ciliberto ... [et al.]
Pubbl/distr/stampa	Berlin ; ; New York, : Walter de Gruyter, 2005
ISBN	1-282-19482-8 9786612194825 3-11-019970-X
Descrizione fisica	1 online resource (400 p.)
Collana	De Gruyter Proceedings in Mathematics
Classificazione	SD 2004
Altri autori (Persone)	VeroneseGiuseppe <1854-1917.> CilibertoC <1950-> (Ciro)
Disciplina	516.3/53
Soggetti	Algebraic varieties Geometry, Projective
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Front matter -- Contents -- Characterization of Veronese varieties via projection in Grassmannians -- Birational geometry of defective varieties -- Fano three-folds as hyperplane sections -- Triple points imposing triple divisors and the defective hierarchy -- M15 is rationally connected -- Codimension one decompositions and Chow varieties -- Higher secant varieties of Segre-Veronese varieties -- An appendix to a paper of Catalisano, Geramita, Gimigliano: The Hilbert function of generic sets of 2-fat points in $P^1 \times P^1$ -- The 3-cuspidal quartic and braid monodromy of degree 4 coverings -- On the classification of defective three-folds -- Matching conditions for degenerating plane curves and applications -- Negative curves on very general blow-ups of $P^2$ -- Linear congruences and hyperbolic systems of conservation laws -- A note on the very ampleness of complete linear systems on blowings-up of $P^3$ -- Phylogenetic algebraic geometry -- Some results on fat points whose support is a complete intersection minus a point -- The (unexpected) importance of knowing -- Hilbert functions of Gorenstein algebras associated to a pencil of forms -- Varieties of

reductions for gl<sub>n</sub> -- Birational geometry of rationally connected manifolds via quasi-lines -- On the discriminant of spanned line bundles -- Multisecant lines to projective varieties -- Cycle map on Hilbert schemes of nodal curves -- Back matter

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Sommario/riassunto

This volume contains refereed papers related to the lectures and talks given at a conference held in Siena (Italy) in June 2004. Also included are research papers that grew out of discussions among the participants and their collaborators. All the papers are research papers, but some of them also contain expository sections which aim to update the state of the art on the classical subject of special projective varieties and their applications and new trends like phylogenetic algebraic geometry. The topic of secant varieties and the classification of defective varieties is central and ubiquitous

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