

1. Record Nr.	UNINA9910157860503321
Titolo	Rationality problems in algebraic geometry : Levico Terme, Italy 2015 / / Arnaud Beauville, Brendan Hassett, Alexander Kuznetsov, Alessandro Verra ; Rita Pardini, Gian Pietro Pirola, editors
Pubbl/distr/stampa	Cham, Switzerland, : Springer, 2016
ISBN	3-319-46209-1
Descrizione fisica	1 online resource
Collana	Lecture notes in mathematics, , 0075-8434 ; ; 2172
Disciplina	516.3/5
Soggetti	Geometry, Algebraic Geometrie algebrique Algebraic geometry Mathematics - Geometry - Algebraic
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction.-Arnaud Beauville: The Luroth problem.-Brendan Hassett: Cubic Fourfolds, K3 Surfaces, and Rationality Questions -- Alexander Kuznetsov: Derived categories view on rationality problems -- Alessandro Verra: Classical moduli spaces and Rationality -- Howard Nuer: Unirationality of Moduli Spaces of Special Cubic Fourfolds and K3 Surfaces.
Sommario/riassunto	Providing an overview of the state of the art on rationality questions in algebraic geometry, this volume gives an update on the most recent developments. It offers a comprehensive introduction to this fascinating topic, and will certainly become an essential reference for anybody working in the field. Rationality problems are of fundamental importance both in algebra and algebraic geometry. Historically, rationality problems motivated significant developments in the theory of abelian integrals, Riemann surfaces and the Abel-Jacobi map, among other areas, and they have strong links with modern notions such as moduli spaces, Hodge theory, algebraic cycles and derived categories. This text is aimed at researchers and graduate students in algebraic geometry.

