

1. Record Nr.	UNINA9910993986303321
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Titolo	Local Systems in Algebraic-Arithmetic Geometry // by Hélène Esnault
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031408403 3031408403
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (VII, 94 p. 15 illus.)
Collana	Lecture Notes in Mathematics, , 1617-9692 ; ; 2337
Disciplina	516.35
Soggetti	Geometry, Algebraic Algebraic Geometry Geometria algebrica Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	The topological fundamental group of a smooth complex algebraic variety is poorly understood. One way to approach it is to consider its complex linear representations modulo conjugation, that is, its complex local systems. A fundamental problem is then to single out the complex points of such moduli spaces which correspond to geometric systems, and more generally to identify geometric subloci of the moduli space of local systems with special arithmetic properties. Deep conjectures have been made in relation to these problems. This book studies some consequences of these conjectures, notably density, integrality and crystallinity properties of some special loci. This monograph provides a unique compelling and concise overview of an active area of research and is useful to students looking to get into this area. It is of interest to a wide range of researchers and is a useful reference for newcomers and experts alike.