

1.	Record Nr.	UNISALENTO991004323737907536
	Autore	Verne, Jules
	Titolo	L'isola misteriosa / Giulio Verne ; nuova traduzione integrale di Lorenza Ester Aghito
	Pubbl/distr/stampa	Sesto San Giovanni : A. Barion, 1932
	Descrizione fisica	560 p. : ill. ; 20 cm
	Altri autori (Persone)	Aghito, Lorenza Ester
	Disciplina	843.8
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	:
2.	Record Nr.	UNINA9910955333303321
	Autore	Vizio Lucia Di
	Titolo	Intrinsic Approach to Galois Theory of
	Pubbl/distr/stampa	Providence : , : American Mathematical Society, , 2022 ©2022
	ISBN	9781470472306 1470472309
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (88 pages)
	Collana	Memoirs of the American Mathematical Society ; ; v.279
	Classificazione	39A1312H10
	Altri autori (Persone)	HardouinCharlotte
	Disciplina	515/.625 512.32
	Soggetti	Galois theory Difference equations Difference and functional equations -- Difference equations -- Difference equations, scaling (\$q\$-differences) Field theory and polynomials -- Differential and difference algebra -- Difference algebra
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

Cover -- Title page -- Introduction -- Grothendieck conjecture for q -difference equations -- Intrinsic Galois groups -- Comparison with Malgrange-Granier Galois theory for non-linear differential equations -- Acknowledgments -- Part 1. Introduction to q -difference equations -- Chapter 1. Generalities on q -difference modules -- 1.1. Basic definitions -- 1.2. q -difference modules, systems and equations -- 1.3. Some remarks on solutions -- 1.4. Trivial q -difference modules -- Chapter 2. Formal classification of singularities -- 2.1. Regularity -- 2.2. Irregularity -- Part 2. Triviality of q -difference equations with rational coefficients -- Chapter 3. Rationality of solutions, when q is an algebraic number -- 3.1. The case of q algebraic, not a root of unity -- 3.2. Global nilpotence. -- 3.3. Proof of Theorem 3.8 (and of Theorem 3.6) -- Chapter 4. Rationality of solutions when q is transcendental -- 4.1. Statement of the main result -- 4.2. Regularity and triviality of the exponents -- 4.3. Proof of Theorem 4.2 -- 4.4. Link with iterative q -difference equations -- Chapter 5. A unified statement -- Part 3. Intrinsic Galois groups -- Chapter 6. The intrinsic Galois group -- 6.1. Definition and first properties -- 6.2. Arithmetic characterization of the intrinsic Galois group -- 6.3. Finite intrinsic Galois groups -- 6.4. Intrinsic Galois group of a q -difference module over $\mathbb{C}(t)$, for $q \neq 0, 1$ -- Chapter 7. The parametrized intrinsic Galois group -- 7.1. Differential and difference algebra -- 7.2. Parametrized intrinsic Galois groups -- 7.3. Characterization of the parametrized intrinsic Galois group by curvatures -- 7.4. Parametrized intrinsic Galois group of a q -difference module over $\mathbb{C}(t)$, for $q \neq 0, 1$ -- 7.5. The example of the Jacobi Theta function -- Part 4. Comparison with the non-linear theory. Chapter 8. Preface to Part 4. The Galois q -groupoid of a q -difference system, by Anne Granier -- 8.1. Definitions -- 8.2. A bound for the Galois q -groupoid of a linear q -difference system -- 8.3. Groups from the Galois q -groupoid of a linear q -difference system -- Chapter 9. Comparison of the parametrized intrinsic Galois group with the Galois q -groupoid -- 9.1. The Kolchin closure of the Dynamics and the Malgrange-Granier groupoid -- 9.2. The groupoid $\text{Gal}\{ () \}$ -- 9.3. The Galois q -groupoid $\text{Galan}\{ () \}$ vs the intrinsic parametrized Galois group -- 9.4. Comparison with known results -- Bibliography -- Back Cover.

Sommario/riassunto

"The Galois theory of difference equations has witnessed a major evolution in the last two decades. In the particular case of q -difference equations, authors have introduced several different Galois theories. In this memoir we consider an arithmetic approach to the Galois theory of q -difference equations and we use it to establish an arithmetical description of some of the Galois groups attached to q -difference systems"--