

1. Record Nr.	UNINA9910480021203321
Titolo	Recent developments in algebraic and combinatorial aspects of representation theory : International Congress of Mathematicians Satellite Conference on Algebraic and Combinatorial Approaches to Representation Theory, August 12-16, 2010, National Institute of Advanced Studies, Bangalore, India : Conference on Algebraic and Combinatorial Approaches to Representation Theory, May 18-20, 2012, University of California, Riverside, CA // Vjayanthi Chari [and four others], editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2013 ©2013
ISBN	1-4704-1105-9
Descrizione fisica	1 online resource (222 p.)
Collana	Contemporary Mathematics, , 1098-3627 ; ; Volume 602
Disciplina	515/.7223
Soggetti	Associative rings Partially ordered sets Nonassociative rings Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Chapter 1. Preface""; ""Kostka systems and exotic \mathfrak{sl}_2 -structures for reflection groups""; ""1. Introduction""; ""2. Notation and preliminaries""; ""3. Triangulated subcategories associated to a phylum""; ""4. Results from the geometry of generalized Springer correspondences""; ""5. Module categories associated to a phylum""; ""6. Main results""; ""References""; ""The doublet vertex operator superalgebras $(\mathfrak{sl}_2, \mathfrak{sl}_2)$ and $(\mathfrak{sl}_2, \mathfrak{sl}_2)$ ""; ""1. Introduction""; ""2. The vertex (super)algebra $(\mathfrak{sl}_2, \mathfrak{sl}_2)$ ""; ""3. On intertwining operators for $(\mathfrak{sl}_2, \mathfrak{sl}_2)$ ""; ""4. Classification of irreducible $(\mathfrak{sl}_2, \mathfrak{sl}_2)$ -modules""; ""5. The Zhu's algebra $(\mathfrak{sl}_2, \mathfrak{sl}_2)$: $\mathfrak{sl}_2 \oplus \mathfrak{sl}_2$ ""; ""6. The triplet vertex algebra $(\mathfrak{sl}_2, \mathfrak{sl}_2)$ and its modules""; ""7. The doublet vertex superalgebra $(\mathfrak{sl}_2, \mathfrak{sl}_2)$ ""; ""References""; ""Quantum deformations of irreducible representations of $(\mathfrak{sl}_2, \mathfrak{sl}_2)$ toward the Kronecker problem""; ""1.

Introduction"; "2. Preliminaries"; "3. Wedge Modules"; "4. Crystal basis for a_{∞}^{\vee} "; "5. Construction of $U_q(\mathfrak{g})$ "; "6. Research announcement"; "Appendix A. An example"; "References"; "A Parametric Family of Subalgebras of the Weyl Algebra II. Irreducible Modules"

"1. Introduction"; "2. Modules for Ore Extensions"; "3. Indecomposable $U_q(\mathfrak{g})$ -modules"; "4. Generalized Weight Modules for $U_q(\mathfrak{g})$ "; "5. Primitive Ideals of $U_q(\mathfrak{g})$ "; "6. Irreducible $U_q(\mathfrak{g})$ -modules when $q = 0$ "; "7. Irreducible $U_q(\mathfrak{g})$ -modules when $q = \infty$ "; "8. The Combinatorics of $U_q(\mathfrak{g})$ "; "References"; "Generic extensions and composition monoids of cyclic quivers"; "1. Introduction"; "2. The generic extension monoid of tri_n "; "3. Degenerate composition algebras of tri_n "; "4. A presentation for the composition monoid of tria_n "

"References"; "Wedge modules for two-parameter quantum groups"; "1. Introduction"; "2. Two-parameter quantum group $U_q(\mathfrak{g})$ and R-matrix"; "3. Yang-Baxterization"; "4. $(\mathfrak{g}, \mathfrak{h})$ -wedge modules of $U_q(\mathfrak{g})$ "; "Acknowledgments"; "References"; "Blocks of the truncated n -Schur algebras of type A"; "1. Introduction"; "2. Jantzen equivalence and blocks"; "3. Combinatorics and Jantzen equivalence for Schur algebras"; "Acknowledgement"; "References"; "Decorated Geometric Crystals, Polyhedral and Monomial Realizations of Crystal Bases"

"1. Introduction"; "2. Crystal and its polyhedral realization"; "3. Decorated geometric crystals"; "4. Explicit form of the decoration \mathfrak{g} of type $U_q(\mathfrak{g})$ "; "5. Ultra-Discretization and Polyhedral Realizations of type $U_q(\mathfrak{g})$ "; "6. Elementary Characters and Monomial Realization of Crystals"; "References"; "A survey of equivariant map algebras with open problems"; "Introduction"; "1. General equivariant map algebras"; "2. Equivariant map associative algebras"; "3. Equivariant map Lie algebras"; "4. Open problems"; "References"; "Simplicity and similarity of Kirillov-Reshetikhin crystals"
