Record Nr. UNINA9910788652303321 **Titolo** Recent developments in quantum affine algebras and related topics: representations of affine and quantum affine algebras and their applications, North Carolina State University, May 21-24, 1998 / / Naihuan Jing, Kailash C. Misra, editors Pubbl/distr/stampa Providence, Rhode Island:,: American Mathematical Society,, [1999] ©1999 **ISBN** 0-8218-7838-7 Descrizione fisica 1 online resource (482 p.) Collana Contemporary mathematics, , 0271-4132;; 248 Disciplina 512/.55 Soggetti Representations of Lie algebras Affine algebraic groups Representations of quantum groups Representations of algebras 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. ""Contents""; ""Preface""; ""The polynomial behavior of weight Nota di contenuto multiplicities for classical simple Lie algebras and classical affine Kac-Moody algebras""; ""A note on embeddings of some Lie algebras defined by matrices""; ""Principal realization for the extended affine Lie algebra of type sl2 with coordinates in a simple quantum torus with two generators""; ""Monomial bases of quantized enveloping algebras""; ""Quantized W-algebra of sl(2, 1): A construction from the quantization of screening operators""; ""Affine algebras and non-perturbative symmetries in superstring theory"" ""Automorphism groups and twisted modules for lattice vertex operator algebras""""Truncated meanders""; ""The q-characters of representations of quantum affine algebras and deformations of Walgebras""; ""Melzer's identities revisited""; ""Automorphisms of lattice type vertex operator algebras and variations, a survey""; ""Remarks on fermionic formula""; ""q-vertex operators for quantum affine algebras""; ""Homology of certain truncated Lie algebras""; ""Vertex operator algebras and the zeta function""; ""On Z-graded associative algebras

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