

1. Record Nr.	UNISA996418450303316
Autore	Konno Hitoshi
Titolo	Elliptic quantum groups : representations and related geometry // Hitoshi Konno
Pubbl/distr/stampa	Singapore : , : Springer, , [2020] ©2020
ISBN	981-15-7387-5
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIII, 131 p. 3 illus.)
Collana	SpringerBriefs in Mathematical Physics ; ; Volume 37
Disciplina	512.55
Soggetti	Quantum groups Elliptic functions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Acknowledgements -- Chapter 1: Introduction -- Chapter 2: Elliptic Quantum Group -- Chapter 3: The H-Hopf Algebroid Structure of -- Chapter 4: Representations of -- Chapter 5: The Vertex Operators -- Chapter 6: Elliptic Weight Functions -- Chapter 7: Tensor Product Representation -- Chapter 8: Elliptic q-KZ Equation -- Chapter 9: Related Geometry -- Appendix A -- Appendix B -- Appendix C -- Appendix D -- Appendix E -- References.
Sommario/riassunto	This is the first book on elliptic quantum groups, i.e., quantum groups associated to elliptic solutions of the Yang-Baxter equation. Based on research by the author and his collaborators, the book presents a comprehensive survey on the subject including a brief history of formulations and applications, a detailed formulation of the elliptic quantum group in the Drinfeld realization, explicit construction of both finite and infinite-dimensional representations, and a construction of the vertex operators as intertwining operators of these representations. The vertex operators are important objects in representation theory of quantum groups. In this book, they are used to derive the elliptic q-KZ equations and their elliptic hypergeometric integral solutions. In particular, the so-called elliptic weight functions appear in such solutions. The author's recent study showed that these elliptic weight functions are identified with Okounkov's elliptic stable envelopes for certain equivariant elliptic cohomology and play an important role to

construct geometric representations of elliptic quantum groups. Okounkov's geometric approach to quantum integrable systems is a rapidly growing topic in mathematical physics related to the Bethe ansatz, the Alday-Gaiotto-Tachikawa correspondence between 4D SUSY gauge theories and the CFT's, and the Nekrasov-Shatashvili correspondences between quantum integrable systems and quantum cohomology. To invite the reader to such topics is one of the aims of this book.

2. Record Nr.	UNINA9910404235403321
Autore	Tavares Ana
Titolo	Alga que queria ser flor // Ana Cristina Tavares, Joana Barata, Julia Willison
Pubbl/distr/stampa	Coimbra : , : Coimbra University Press, , 2013
Descrizione fisica	1 online resource (54 pages)
Disciplina	589.3
Soggetti	Self-esteem Algae
Lingua di pubblicazione	Portoghese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Dos chicos van al jardin botanico y al escuchar la historia de un alga que vive en un estanque, cuyo sueno era ser una flor. Con la lectura de este libro pondremos a prueba lo que los lectores saben sobre la evolucion de las plantas, siendo invitados a responder algunas preguntas y a escribir y dibujar una pequena historia.
