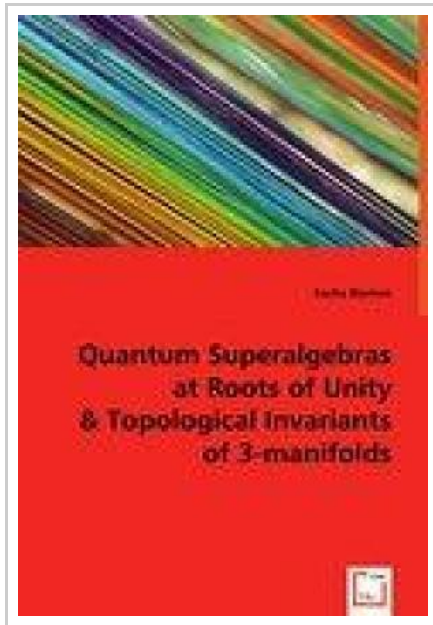




Quantum Superalgebras at Roots of Unity & Topological Invariants of 3-manifolds

By Sacha Blumen

VDM Verlag Jul 2008, 2008. Taschenbuch. Book Condition: Neu. 220x150x16 mm. This item is printed on demand - Print on Demand Neuware - In this 2005 PhD thesis, topological invariants of closed, connected, orientable 3-manifolds are constructed from a family of quantum superalgebras at roots of unity arising from the $\text{osp}(1|2n)$ family of Lie superalgebras. The representation theory of these quantum superalgebras at roots of unity is investigated and families of their finite dimensional representations, corresponding to the elements of truncated Weyl alcoves of the weight space, are defined. It is not known whether these representations are irreducible. Tensor product theorems for these representations are proved. Reshetikhin & Turaev's general method of constructing 3-manifold invariants from modular Hopf algebras, a class of Hopf algebras satisfying strict criteria, is extended to a wider class of algebras called pseudo-modular Hopf algebras. The quantum superalgebras arising from $\text{osp}(1|2n)$ at certain even roots of unity are shown to be pseudo-modular Hopf algebras. The 3-manifold invariants arising from quantum $\text{osp}(1|2n)$ are investigated and shown to be different to those arising from quantum $\text{so}(2n+1)$. 264 pp. Englisch.



READ ONLINE
[6.64 MB]

Reviews

A new electronic book with an all new standpoint. It usually fails to charge too much. Its been printed in an exceedingly basic way in fact it is simply following i finished reading this book through which basically altered me, affect the way in my opinion.

-- **Dr. Amie Bogisich**

Simply no phrases to explain. It is definitely simplistic but shocks from the fifty percent from the pdf. You may like the way the blogger write this ebook.

-- **Antonetta Tremblay**

See Also



[Psychologisches Testverfahren](#)

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG, Eignungstest für das Medizinstudium, Adult Attachment Interview,...



[Programming in D](#)

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers who are new to computer programming. Although...



[The Java Tutorial \(3rd Edition\)](#)

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book stands above the rest because it has...



[Sport is Fun \(Red B\) NF](#)

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, Sport is Fun (Red B) NF, Dianne Irving, This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and an online reading world to teach today's...



[Have You Locked the Castle Gate?](#)

Addison-Wesley Professional. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Is your computer safe Could an intruder sneak in and steal your information, or plant a virus Have...



[Adobe Indesign CS/Cs2 Breakthroughs](#)

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and users are hungry for breakthrough solutions to...