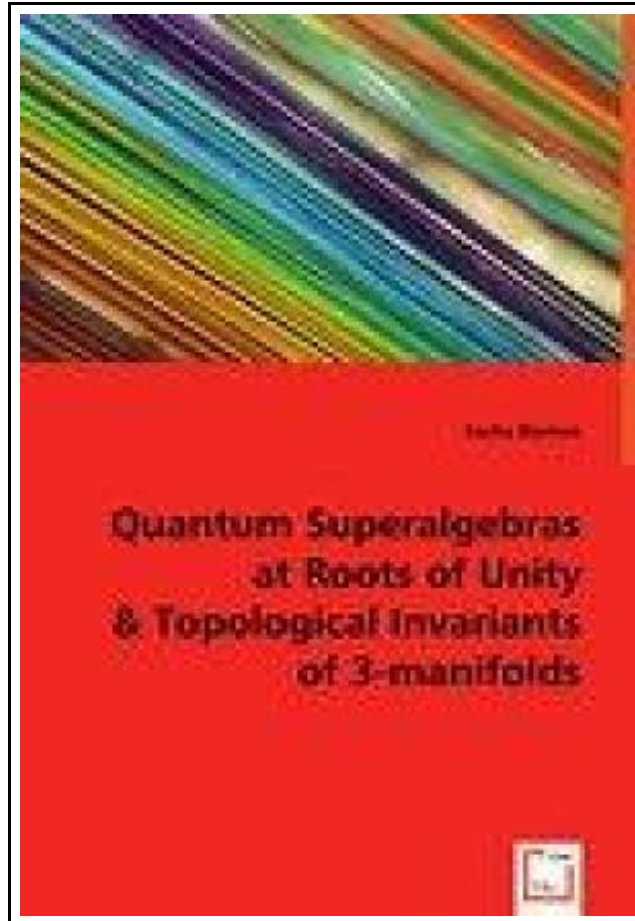


Quantum Superalgebras at Roots of Unity & Topological Invariants of 3-manifolds



Filesize: 8.49 MB

Reviews

The book is great and fantastic. It is written in straightforward words and phrases rather than difficult to understand. You won't really feel monotony at any time of your respective time (that's what catalogues are for regarding should you question me).

(Payton Miller)

QUANTUM SUPERALGEBRAS AT ROOTS OF UNITY & TOPOLOGICAL INVARIANTS OF 3-MANIFOLDS

DOWNLOAD



To read **Quantum Superalgebras at Roots of Unity & Topological Invariants of 3-manifolds** PDF, make sure you access the hyperlink listed below and save the file or have accessibility to additional information that are relevant to **QUANTUM SUPERALGEBRAS AT ROOTS OF UNITY & TOPOLOGICAL INVARIANTS OF 3-MANIFOLDS** book.

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 $\mathfrak{osp}(1|2n)$ 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 $\mathfrak{osp}(1|2n)$ at certain even roots of unity are shown to be pseudo-modular Hopf algebras. The 3-manifold invariants arising from quantum $\mathfrak{osp}(1|2n)$ are investigated and shown to be different to those arising from quantum $\mathfrak{so}(2n+1)$. 264 pp. Englisch.



[Read Quantum Superalgebras at Roots of Unity & Topological Invariants of 3-manifolds Online](#)



[Download PDF Quantum Superalgebras at Roots of Unity & Topological Invariants of 3-manifolds](#)

Other Books



[PDF] Daddyteller: How to Be a Hero to Your Kids and Teach Them What s Really by Telling Them One Simple Story at a Time

Access the web link under to download "Daddyteller: How to Be a Hero to Your Kids and Teach Them What s Really by Telling Them One Simple Story at a Time" PDF document.

[Save ePub »](#)



[PDF] The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

Access the web link under to download "The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)" PDF document.

[Save ePub »](#)



[PDF] DK Readers Day at Greenhill Farm Level 1 Beginning to Read

Access the web link under to download "DK Readers Day at Greenhill Farm Level 1 Beginning to Read" PDF document.

[Save ePub »](#)



[PDF] Becoming Barenaked: Leaving a Six Figure Career, Selling All of Our Crap, Pulling the Kids Out of School, and Buying an RV We Hit the Road in Search Our Own American Dream. Redefining What It Meant to Be a Family in America.

Access the web link under to download "Becoming Barenaked: Leaving a Six Figure Career, Selling All of Our Crap, Pulling the Kids Out of School, and Buying an RV We Hit the Road in Search Our Own American Dream. Redefining What It Meant to Be a Family in America." PDF document.

[Save ePub »](#)



[PDF] The Pauper & the Banker/Be Good to Your Enemies

Access the web link under to download "The Pauper & the Banker/Be Good to Your Enemies" PDF document.

[Save ePub »](#)



[PDF] Dog on It! - Everything You Need to Know about Life Is Right There at Your Feet

Access the web link under to download "Dog on It! - Everything You Need to Know about Life Is Right There at Your Feet" PDF document.

[Save ePub »](#)