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special relativity still applies but as a quantum group symmetry. At the same time this quantum group can be interpreted as the quantisation of a particle moving in a curved geometry with black-hole-like features. Further reading S. MAJID, A Quantum Groups Primer, L.M.S. Lect. Notes 292 (2002).

WHAT IS a Quantum Group? - American Mathematical Society

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Here is a self-contained introduction to quantum groups as algebraic objects. Based on the author's lecture notes for the Part III pure mathematics course at Cambridge University, the book is suitable as a primary text for graduate courses in quantum groups or supplementary reading for modern courses in advanced algebra.

A Quantum Groups Primer (London Mathematical Society)

The material assumes knowledge of basic and linear algebra. Some familiarity with semisimple Lie algebras would also be helpful. The volume is a primer for mathematicians but it will also be useful for mathematical physicists.

A Quantum Groups Primer - adsabs.harvard.edu

($\hat{U}(\mathfrak{g})$) algebra theory, theory of compact (matrix) quantum groups and the theory of their actions on compact quantum spaces. We also provide the most important examples, including the classification of quantum $SL(2)$ -groups, their real forms and quantum spheres. We also consider quantum $SL_q(N)$ -groups and quantum Lorentz groups. Contents 1.

Introduction to Quantum Groups - arXiv

Quantum Theory, Groups and Representations: An Introduction (Final draft version) Peter Woit Department of Mathematics, Columbia University woit@math.columbia.edu

Quantum Theory, Groups and Representations: An

The expression "quantum groups" is a name coined by Drinfeld (see [Dri87]) in the first half of the 80s which is superb, even if the notion is not necessarily quantum and the objects are not really groups.

and deformation quantization - arXiv

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See also compact quantum group. S. L. Woronowicz introduced compact matrix quantum groups. Compact matrix quantum groups are abstract structures on which the "continuous functions" on the structure are given by elements of a C^* -algebra. The geometry of a compact matrix quantum group is a special case of a noncommutative geometry.

Quantum group - Wikipedia

PDF. Quantum $SL(2)$ Front Matter. Pages 1-1. PDF. Preliminaries. Christian Kassel. Pages 3-22. PDF. Tensor Products. Christian Kassel. Pages 23-38. PDF. The Language of Hopf Algebras. ... Quantum Groups and Monodromy. Front Matter. Pages 383-383. PDF. Generalities on Quantum Enveloping Algebras. Christian Kassel.

Quantum Groups | SpringerLink

Self-contained introduction to quantum groups as algebraic objects, suitable as a textbook for graduate courses. Rating: (not yet rated) 0 with reviews - Be the first.

A quantum groups primer (Book, 2002) [WorldCat.org]

This book provides a self-contained introduction to quantum groups as algebraic objects. Based on the author's lecture notes from a Part III pure mathematics course at Cambridge University, it is suitable for use as a textbook for graduate courses in quantum groups or as a supplement to modern courses in advanced algebra.

A Quantum Groups Primer by Shahn Majid - cambridge.org

Quantum plane $A\hat{A}^2q$; 4 Automorphism quantum groups; 5 Quasitriangular structures; 6 Roots of unity. $Uq(5|2)$; 7 q -Binomials; 8 Quantum double. Dual-quasitriangular structures; 9 Braided categories; 10 (Co)module categories.

[Sex, Love and Lies in the Asylum - Reports of Commission on a Memorial to Major-General Israel Putnam, to the General Assembly, 1887: Majority and Minority Reports \(Classic Reprint\) - Search The Scriptures: You Shall Know The Truth - SHAMANIC MEDICINE ORACLE \(50 cards + 96-page guidebook, boxed\)\) - Sandlot - Rhythm Without the Blues: Basic Skills, Volume 3: A Comprehensive Rhythm Program for Musicians \[With CD \(Audio\)\] - Runaway Ride: Alpha Bad Boy Biker and MC Romance Box Set - Sight Word Kindergarten: Pre Kindergarten and Kindergarten \(Level A-B\) - Sight Word Sentences for Learning Beginner Sight Words: Sight Word Kindergarten - Satyajit Ray's Ravi Shankar - Seduction in the Mind: Doctor Wise Book 2 - Salvation Belongs to Our God: Celebrating the Bible's Central Story - Small Devil, Evil Kiss - Series 65 Exam Practice Questions: Series 65 Practice Tests and Review for the Uniform Investment Adviser Law Examination - Safety Kids: Protect Their Minds - Raspberry Pi with Java: Programming the Internet of Things \(lot\) \(Oracle Press\)Oracle's Moon \(Elder Races, #4\)Oracle Soa Suite 11g Handbook - Sentences Paragraphs and Beyond 4th Edition Plus Grammar CD - Simulation Methods for Reliability and Availability of Complex Systems - Review of Mass Spectrometry and Bioremediation Programs of the Edgewood Research, Development and Engineering CenterU.S. Industrial Outlook 1994: Forecasts For Selected Manufacturing And Service Industries \(Us Industrial Outlook\) - Scat! Scat! - Ricochet \(Renegades, #3\)Renegade: Battle for Jacob's Star: The Official Strategy Guide \(Prima's Secrets of the Games\)Renegade \(Long, Tall Texans, #26\) - Sensorimotor Foundations of Higher Cognition: Attention and Performance XXII - Rebel Army \(Shadow Hunters #2\)The Shadow Hunter \(Abby Sinclair and Tess McCallum, #1\)Shadow Hunter - Should you Montessori Homeschool - Self Defense For Preppers: How to Protect and Defend Yourself From Vicious Attacks Using Only Your Bare Hands \(Survival Series Book 1\)2005 ASHRAE Handbook - Fundamentals \(SI\) - Review Questions for Nuclear Medicine: The Technology Registry Examination - Removal of Refractory Chemicals in Landfill Leachate by Uasb and Advanced Oxidation Processes - Rosalynde; Or, Euphues' Golden Legacy - Sivakamiyin Sabadham \(The Siege of Kanchi Book 2\) - Remembering Jamestown: Hard Questions about Christian Mission - Saragosa, Texas, Tornado May 22, 1987: An Evaluation of the Warning System - Reduction and Predictability of Natural DisastersRedundancy Guidance - Real World Application, Templates, Documents, and Examples of the Use of Redundancy in the Public Domain. Plus Free Access to MeRed Velvet: 2nd edition \(Modern Plays\) - Router Manual: Setting Up, Use and Care, Ripping & Cross Cutting, Creating Angles, Bevels, Joinery - Reading in the Dark: Horror in Children's Literature and Culture - Reunited By A Baby Bombshell: Reunited by a Baby Bombshell / From Fortune to Family Man \(The Fortunes of Texas: The Secret Fortunes, Book 4\) \(Cherish\) - Romanesque Chevron Ornament: The Language of British, Norman and Irish Sculpture in the Twelfth Century - Robin Hood - Issue No. 2: The Prince and The Poacher.Around the World in 80 Days / Sleeping Beauty and Other Stories / The Merry Adventures of Robin Hood \(Great Illustrated Classics\)Robin Hood: The Forresters Manuscript \(British Library Additional MS 71158\)Robin Ince's Bad Book Club: One Man's Quest to Uncover the Books that Time ForgotRobin: Lady of Legend \(The Classic Adventures of the Girl Who Became Robin Hood\) - Selection of High Performance Work Systems in U.S. Manufacturing -](#)