
New Directions In Hopf Algebras

ON THE CLASSIFICATION OF SEMISIMPLE HOPF ALGEBRAS. New directions in Hopf algebras CORE. On the classification of finite dimensional pointed Hopf. MSRI Publications Volume 43. Cambridge University Press 978 1 107 02680 3 New. Andruskiewitsch N From racks to pointed Hopf algebras. Álgebras de Hopf traçadas CORE. New Trends in Hopf Algebra Theory Edited by. Unimodular graded Poisson Hopf algebras Enlighten. On pointed Hopf algebras associated with the symmetric groups. New Directions in Hopf Algebras Clouston and Hall. Pasto Street Weak Hopf monoids in braided monoidal. triangular Hopf algebra in nLab. New Directions in Hopf Algebras Susan Montgomery. New Directions in Hopf Algebras Susan Montgomery. Axioms Special Issue Hopf Algebras Quantum Groups and. math 0110136 Pointed Hopf algebras arXiv. POINTED HOPF ALGEBRAS OVER SOME SPORADIC SIMPLE GROUPS. CiteSeerX ? Pointed Hopf algebras. Symmetries in yetter drinfeld categories over weak hopf. Cambridge University Press 978 0 521 81512 3 New. New Hopf algebras arising from the generalized lifting. Description ? Categorical Galois Theory new directions. Hopf Algebras 583 Pages World Scientific. Finite dimensional Hopf algebras arising from quantized. Abstract Algebra Free Books at EBD. New Directions in Hopf Algebras Mathematical Sciences. AMS Proceedings of the American Mathematical Society. PDF ON THE CLASSIFICATION OF SEMISIMPLE HOPF ALGEBRAS. From racks to pointed Hopf algebras Request PDF. Tensor Categories and Hopf Algebras. M Ram Murty Queen's University Kin yurinsha com. New Directions in Hopf Algebras MSRI. Pointed Hopf algebras Harvard University. Nicolás Andruskiewitsch Google Scholar Citations. Coverings of graded pointed Hopf algebras ScienceDirect. Hopf C algebras. Quasitriangular Hopf algebra Wikipedia. Braided Hopf algebra Wikipedia. AMS Proceedings of the American Mathematical Society. New directions in Hopf algebras Book 2002 WorldCat org. Hopf Algebras 583 Pages World Scientific. POINTED HOPF ACTIONS ON FIELDS I SpringerLink. Mathematical Sciences Research Institute Publications New. New Directions in Hopf Algebras by Susan Montgomery Hans. Hopf algebras for physics at the Planck scale

ON THE CLASSIFICATION OF SEMISIMPLE HOPF ALGEBRAS

December 17th, 2019 - Hopf algebras appeared in the early 60's from two apparently different directions algebraic topology and algebraic groups that interacted afterwards A nice survey about the beginnings of Hopf algebras is 2 The publication of Sweedlers book 68 in 1969 was the starting point"New directions in Hopf algebras CORE

August 4th, 2018 - New directions in Hopf algebras By H J Schneider and Susan Montgomery Topics Mathematical Physics and Mathematics"On the classification of finite dimensional pointed Hopf

December 23rd, 2019 - Since these Hopf algebras turn out to be deformations of a natural class of generalized small quantum groups our result can be read as an axiomatic description of generalized small quantum groups Show hide bibliography for this article'

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November 25th, 2019 - MSRI Publications Volume 43 New Directions in Hopf Algebras Edited by Susan Montgomery and Hans Jürgen Schneider NOTE Many of the papers are preceded by a blank page"Cambridge University Press 978 1 107 02680 3 New

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December 15th, 2019 - A fundamental step in the classification of finite dimensional complex pointed Hopf algebras is the determination of all finite dimensional Nichols algebras of braided vector spaces arising from groups The most important class of braided vector spaces arising from groups is the class of braided vector spaces X^q where X is a rack and q '

'Álgebras de Hopf traçadas CORE

September 5th, 2018 - 2001 Hopf Algebras An Introduction 2010 On the classification of finite dimensional Pointed Hopf Algebras 2002 Pointed Hopf Algebras in ?New Directions in Hopf Algebras? 2000 Pointed indecomposable Hopf algebras over Coxeter groups 1995"New Trends in Hopf Algebra Theory Edited by

November 18th, 2019 - New Trends in Hopf Algebra Theory Description This volume presents the proceedings from the Colloquium on Quantum Groups and Hopf Algebras held in Cordoba Argentina in 1999 The meeting brought together researchers who discussed recent developments in Hopf algebras one of the most important being the influence of quantum groups"Unimodular graded Poisson Hopf algebras Enlighten

November 25th, 2019 - Let A be a Poisson Hopf algebra over an algebraically closed field of characteristic zero If A is finitely generated and connected graded as an algebra and its Poisson bracket is homogeneous of degree $d \neq 0$ then A is unimodular that is the modular derivation of A is zero This is a Poisson analogue of a recent result concerning Hopf'

'On pointed Hopf algebras associated with the symmetric groups

December 11th, 2019 - Let G be the symmetric group equation It is an important open problem whether the dimension of the Nichols algebra equation is finite when equation is the class of the transpositions and ?is"New Directions in Hopf Algebras Clouston and Hall

December 3rd, 2019 - This timely collection of expository papers by leading researchers in the field highlights progress and new directions in Hopf algebras The volume arises from the MSRI workshop on Hopf Algebras in October 1999 where many exciting recent developments were discussed'

'Pasto Street Weak Hopf monoids in braided monoidal

November 15th, 2019 - Dynamical quantum groups at roots of 1 Etingof Pavel and Nikshych Dmitri Duke Mathematical Journal 2001 Hopf cyclic cohomology in braided monoidal categories Khalkhali Masoud and Pourkia Arash Homology Homotopy and Applications 2010'

'triangular Hopf algebra in nLab

November 23rd, 2019 - Shlomo Gelaki On the classification of finite dimensional triangular Hopf algebras New directions in Hopf algebras MSRI publications volume 43 2002 Wikipedia Quasitriangular Hopf algebra Nicolas Andruskiewitsch Pavel Etingof Shlomo Gelaki Triangular Hopf algebras with the Chevalley property arXiv math 0008232"New Directions in Hopf Algebras Susan Montgomery

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'New Directions in Hopf Algebras Susan Montgomery

October 6th, 2019 - New Directions in Hopf Algebras by Susan Montgomery 9780521124317 available at Book Depository with free delivery worldwide"Axioms Special Issue Hopf Algebras Quantum Groups and

June 30th, 2012 - Special Issue Hopf Algebras Quantum Groups and Yang Baxter Equations Special Issue Editors Special Issue We would like to gather together both relevant reviews with historical notes open problems or research directions and research papers on the new developments of the Yang Baxter equations Dr Florin Felix Nichita Guest Editor"math 0110136 Pointed Hopf algebras arXiv

September 3rd, 2019 - Abstract This is a survey on pointed Hopf algebras over algebraically closed fields of characteristic 0 In New directions in Hopf algebras MSRI series Cambridge Univ Press 1 68 2002 Cite as arXiv math 0110136 math QA or arXiv math 0110136v1 math QA for this version'

'POINTED HOPF ALGEBRAS OVER SOME SPORADIC SIMPLE GROUPS

December 4th, 2019 - POINTED HOPF ALGEBRAS OVER SOME SPORADIC SIMPLE GROUPS N ANDRUSKIEWITSCH F ANTINO F M GRAÑA L VENDRAMIN Abstract Any finite dimensional complex pointed Hopf algebra with group of group likes isomorphic to a sporadic group G where G is either the Mathieu groups M_{22} or M_{24} the Janko groups J_1 J_2 or J_3 the Suzuki or the Held"CiteSeerX ? Pointed Hopf algebras

November 29th, 2019 - CiteSeerX Document Details Isaac Council Lee Giles Pradeep Teregowda Abstract This is a survey on pointed Hopf algebras over algebraically closed fields of characteristic 0 We propose to classify pointed Hopf algebras A by first determining the graded Hopf algebra $gr A$ associated to the coradical filtration of A The A_0 coinvariants'

'Symmetries in Yetter-Drinfeld categories over weak Hopf

December 26th, 2019 - New Directions in Hopf Algebras Math Sci Res Inst Publ 43 Cambridge Cambridge Univ Press 2002 211 262 5 Yetter D N Quantum groups and representations of monoidal categories Math Proc Cambridge Philos Soc 1990 108 261 290 6 Bohm G Nill F Szlachanyi K

Weak Hopf algebras I Integral theory and C structure"Cambridge University Press 978 0 521 81512 3 New

October 1st, 2019 - 978 0 521 81512 3 New Directions in Hopf Algebras Edited by Susan Montgomery and Hans Jürgen Schneider Excerpt More information Created Date"

'New Hopf algebras arising from the generalized lifting

November 26th, 2019 - to produce new examples of Hopf algebras and to discover new Nichols algebras through the process In this talk we will show new examples of Hopf algebras and Nichols algebras which arises from the analysis of the cases when the Hopf algebra generated by the coradical is isomorphic to the dual of a Radford algebra We will discuss also briefly"

Description ? Categorical Galois Theory new directions

November 27th, 2019 - Since everything is now embedded in the category of comodules of a Hopf algebra the result would be internalised in this category Instead of going this path we propose to consider a different functor which leads to a new Galois context and which will give a new perspective into both categorical Galois theories and the theory of Hopf algebras"Hopf Algebras 583 Pages World Scientific

July 2nd, 2019 - Hopf algebras 215 216 The paper by Drinfeld 44 in 1986 on quantum groups opened the floodgates for applications of Hopf algebras to physics invariant theory for knots and links and representations closely connected to Lie theory The Hopf algebras involved are referred to as quantum groups a term still lacking formal definition'

'Finite dimensional Hopf algebras arising from quantized

December 10th, 2019 - by Nicolás Andruskiewitsch Hans Jürgen Schneider In ?New directions in Hopf algebras? MSRI series Cambridge Univ 2002 Abstract This is a survey on pointed Hopf algebras over algebraically closed fields of characteristic 0'

'Abstract Algebra Free Books at EBD

December 27th, 2019 - 12023 views New Directions in Hopf Algebras by S Montgomery H Schneider Cambridge University Press 2002 Hopf algebras have important connections to quantum theory Lie algebras knot and braid theory operator algebras and other areas'

'New Directions in Hopf Algebras Mathematical Sciences

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AMS Proceedings of the American Mathematical Society November 24th, 2019 - Abstract We prove the quasi Hopf algebra version of the Nichols Zoeller theorem A finite dimensional quasi Hopf algebra is free over any quasi Hopf subalgebra References Enhancements On Off What is this'

'PDF ON THE CLASSIFICATION OF SEMISIMPLE HOPF ALGEBRAS

December 24th, 2019 - This paper develops a theory of crossed products and inner weak actions of arbitrary Hopf algebras on noncommutative algebras The theory covers the usual examples of inner automorphisms and derivations and in addition is general enough to include ?inner? group gradings of algebras'

'From racks to pointed Hopf algebras Request PDF

November 23rd, 2019 - Nichols algebras Hopf algebras in braided categories with distinguished properties were discovered several times They appeared for the first time in the thesis of W Nichols 72 aimed to construct new examples of Hopf algebras In this same paper the small quantum group $u_q(\mathfrak{sl}_3)$ with q a primitive cubic root of one was introduced'

'Tensor Categories and Hopf Algebras

December 3rd, 2019 - This volume contains the proceedings of the scientific session ?Hopf Algebras and Tensor Categories? held from July 27-28 2017 at the Mathematical Congress of the Americas in Montreal Canada Papers highlight the latest advances and research directions in the theory of tensor categories and Hopf algebras'

'M Ram Murty Queen's University Kin yurinsha com

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New Directions in Hopf Algebras MSRI November 23rd, 2019 - New Directions in Hopf Algebras MSRI Publications Volume 43 2002 Finite Quantum Groupoids and Their Applications DMITRI NIKSHYCH AND LEONID VAINERMAN Abstract We give a survey of the theory of ?finite quantum groupoids weak Hopf algebras

including foundations of the theory and applications to finite depth subfactors"Pointed Hopf algebras Harvard University
November 13th, 2017 - Abstract This is a survey on pointed Hopf algebras over algebraically closed fields of characteristic 0 We propose to classify pointed Hopf algebras A by first'

'Nicolás Andruskiewitsch Google Scholar Citations

November 28th, 2019 - New citations to this author New articles related to this author's research Email address for updates New directions in Hopf algebras 43 1 68 2002 391 Hopf Algebras of Order p 2 and Braided Hopf Algebras of Order p N Andruski Journal of Algebra 199'

'Coverings of graded pointed Hopf algebras ScienceDirect

November 3rd, 2019 - When $A = \sum_{n \in \mathbb{Z}} A_n$ and $A = \sum_{n \in \mathbb{Z}} A_n \otimes R$ are coradically graded pointed Hopf algebras which are bosonizations of the braided graded Hopf algebra R as in and $f: G \rightarrow G$ is a group surjection we say that the Hopf algebra map $F: A \rightarrow A$ is a Hopf covering if $F(r) = r f(g)$ for all $r \in R$ '

'Hopf C algebras

April 2nd, 2018 - In the literature there existed essentially two directions Some authors already used the name Hopf C^* algebra for a pair of a C^* algebra with a comultiplication see e.g. [2, 20] and [14] This is not very appropriate because the antipode is necessary to distinguish a Hopf algebra from a bialgebra'

'Quasitriangular Hopf algebra Wikipedia

October 11th, 2019 - Hopf algebras and their actions on rings Regional Conference Series in Mathematics 82 Providence RI American Mathematical Society ISBN 0 8218 0738 2 Zbl 0793 16029 Montgomery Susan Schneider Hans Jürgen 2002 New directions in Hopf algebras Mathematical Sciences Research Institute Publications 43 Cambridge University Press" Braided Hopf algebra Wikipedia

October 8th, 2019 - In mathematics a braided Hopf algebra is a Hopf algebra in a braided monoidal category The most common braided Hopf algebras are objects in a Yetter-Drinfeld category of a Hopf algebra H particularly the Nichols algebra of a braided vectorspace in that category'

'AMS Proceedings of the American Mathematical Society

November 21st, 2019 - Susan Montgomery Hopf algebras and their actions on rings CBMS Regional Conference Series in Mathematics vol 82 Published for the Conference Board of the Mathematical Sciences Washington DC by the American Mathematical Society Providence RI 1993" New directions in Hopf algebras Book 2002 WorldCat org

November 29th, 2019 - These articles form a broad survey of this exciting field Topics include pointed Hopf algebras triangular Hopf algebras Hopf algebra extensions and cohomology quantum groups and groupoids Read more" Hopf Algebras 583 Pages World Scientific

September 16th, 2019 - November 5 2011 7 30 World Scientific Book 9in x 6in A Hopf 540 Hopf Algebras 49 Etingof P and Gelaki S 2002 On families of triangular Hopf algebras'

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November 23rd, 2019 - N Andruskiewitsch H J Schneider Lifting of Nichols algebras of type A_2 and pointed Hopf algebras of order p 4 in Hopf Algebras and Quantum Groups Brussels 1998 Lecture Notes in Pure and Appl Math Vol 209 Dekker New York 2000 pp 1 14 Google Scholar'

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'Hopf algebras for physics at the Planck scale

December 25th, 2019 - Hopf algebras for physics at the Planck scale Shahn Majid Jefferson Laboratories Harvard University Cambridge MA 02138 USA Received 19 November 1987 in final form 14 June 1988 Abstract We apply ideas of non commutative geometry to reformulate the classical and quantum mechanics of a particle moving on a homogeneous spacetime"

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