
New Directions In 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'

'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'

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'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'

'Nicolás Andruskiewitsch Google Scholar Citations

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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'

'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'

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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''Andruskiewitsch N From racks to pointed Hopf algebras

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 \mathcal{X}^{cq} where X is a rack and q'

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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'

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'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 'oodgates 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.' 'Coverings of graded pointed Hopf algebras ScienceDirect

November 3rd, 2019 - When $A = \bigoplus_{n \geq 0} A_n$ and $A = \bigoplus_{n \geq 0} A_n$ are coradically graded pointed Hopf algebras which are bosonizations of the braided graded Hopf algebra R as in [1] 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 $F(r)g = r f(g)$ for all $r \in R$.'

'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'

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'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''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''New Directions in Hopf Algebras MSRI

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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''New Directions in Hopf Algebras Susan Montgomery

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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'

'New Directions in Hopf Algebras Mathematical Sciences

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'AMS Proceedings of the American Mathematical Society

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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'

'MSRI Publications Volume 43

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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'

'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 $d \geq 0$ then A is unimodular that is the modular derivation of A is zero This is a Poisson analogue of a recent result concerning Hopf'

'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'

'CiteSeerX ? Pointed Hopf algebras

November 29th, 2019 - CiteSeerX Document Details Isaac Councill 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'

'**AMS Proceedings of the American Mathematical Society**

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October 24th, 2019 - New Directions in Hopf Algebras by Susan Montgomery 9780521815123 available at Book Depository with free delivery worldwide''On the classification of finite dimensional pointed Hopf

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'**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'

'**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 $u_q sl_3$ with q a primitive cubic root of one was introduced'

'**Cambridge University Press 978 0 521 81512 3 New**

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'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'

'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'

'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''**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'

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