

Publication List

Lars Kadison

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Journal Articles

1. (with S. Burciu and B. Külshammer) On subgroup depth, *International Electronic J. Algebra* **9** (2011), 133–166.
2. (with M.C. Iovanov) When weak Hopf algebras are Frobenius, *Proceedings A.M.S.* **138** (2010), 837–845.
3. Skew Hopf algebras, irreducible extensions and the π -method, *Münster J. Math.* **2** (2009), 183–200.
4. (with S. Burciu) Depth two Hopf subalgebras of a semisimple Hopf algebra, *Journal of Algebra* **322** (2009), 162–176.
5. Finite depth and Jacobson-Bourbaki correspondence, *J. Pure & Applied Algebra* **212** (2008), 1822–1839.
6. Simplicial Hochschild cochains as an Amitsur complex, *J. Generalized Lie Theory & Applications* **2** (2008), 180–185.
7. Infinite index subalgebras of depth two, *Proc. A.M.S.* **136** (2008), 1523–1532.
8. (with F. Castaño Iglesias) Similarity, codepth two bicomodules and QF bimodules, *Arabian J. Sci. Eng.* (special issue on interaction of algebra and coalgebra) **33** 2008, 99–106.
9. Anchor maps and stable modules in depth two, *Applied Categorical Structures* **16** (2008), 141–157.
10. Centralizers and induction, *J. Algebra & Appl.* **6** (2007), 505–527.
11. An endomorphism ring theorem for Galois and depth two extensions, *J. Algebra* **305** (2006), 163–184.
12. Codepth two and related topics, *Applied Cat. Struct.* **14** (2006), 605–625.
13. An approach to quasi-Hopf algebras via Frobenius coordinates, *J. Algebra* **295** (2006), 27–43.

14. (with B. Külshammer) Depth two, normality and a trace ideal condition for Frobenius extensions, *Communications in Algebra* **34** (2006), 3103–3122.
15. Galois theory for bialgebroids, depth two and normal Hopf subalgebras, *Ann. Univ. Ferrara - Sez. VII - Sc. Mat.* **51** (2005), 209–231.
16. An action-free characterization of weak Hopf-Galois extensions, *Algebra Montpellier Announcements* **1** (2005), 1–6.
17. Hopf algebroids and Galois extensions, *Bulletin of the Belgian Mathematical Society - Simon Stevin* **12** (2005), 275–293.
18. (with K. Szlachányi) Bialgebroid actions on depth two extensions and duality, *Advances in Mathematics* **179** (2003), 75–121.
19. Hopf algebroids and H-separable extensions, *Proc. A.M.S.* **131** (2003), 2993–3002.
20. (with A.A. Stolin) An approach to Hopf algebras via Frobenius coordinates II, *Journal of Pure & Applied Algebra* **176** (2002), 127–152.
21. (with D. Nikshych) Outer actions of Hopf algebra centralizers on separable extensions, *Comm. Algebra* **30** (2002), 383–410.
22. Note on Miyashita-Ulbrich action and H-separable extension, *Hokkaido Mathematical Journal* **30** (2001), 689–695.
23. (with S. Caenepeel) Are biseparable extensions Frobenius? *K-Theory* **24** (2001), 361–383.
24. (with D. Nikshych) Hopf algebra actions on strongly separable extensions of depth two, *Adv. in Math.* **163** (2001), 258–286.
25. (with D. Nikshych) Frobenius extensions and weak Hopf algebras, *Journal of Algebra* **244** (2001), 312–342.
26. (with A.A. Stolin) An approach to Hopf algebras via Frobenius coordinates, *Beiträge zur Algebra und Geometri* **42** (2001), 359–384.
27. The quantum groups $U_q(sl_2)$ at the roots of unity, self-duality and ascent, *Nachrichten der Akademie der Wissenschaften in Göttingen*, II, no. 2, (2000), 71–81. www.msri.org 1999–052.
28. Separability and the twisted Frobenius bimodule, *Algebras and Representation Theory* **2** (1999), 397–414.
29. The Jones polynomial and certain separable Frobenius extensions, *Journal of Algebra* **186** (1996), 461–475.
30. On split, separable subalgebras with counitality condition, *Hokkaido Math. J.* **24** (1995), 527–549.

31. The Wedderburn principal theorem and Shukla cohomology, *J. Pure & Applied Algebra* **102** (1995), 49–60.
32. Algebraic aspects of the Jones basic construction, *Comptes Rendus Math. Reports Acad. Sci. Canada* **15** (1993), 223 - 228.
33. (with D. Kastler) Cohomological aspects and relative separability of finite Jones index subfactors, *Nachr. der Akad. Wissen. Göttingen*, II, no. 4, (1992), 95–105.
34. On the cyclic cohomology of nest algebras and a spectral sequence induced by a subalgebra in Hochschild cohomology, *Comptes Rendus Acad. Sci. Paris* **311** (1990), 247–252.
35. A relative cyclic cohomology theory useful for computations, *Comptes Rendus Acad. Sci. Paris* **308** (1989), 569–573.

Books and Monographs

36. *New Examples of Frobenius Extensions*, University Lecture Series **14**, American Mathematical Society, Providence, Rhode Island, 1999.
37. (with M.T. Kromann) *Projective Geometry and Modern Algebra*, Birkhäuser, Basel, 1996.

Refereed Conference Articles/Invited Talks

38. Cyclic homology of triangular matrix algebras, in: *Topology - Hawaii*, ed. K.H. Dovermann, World Scientific, Singapore, 1992, 137–148.
39. Separability and the Jones polynomial, in: *Rings, Extensions, and Cohomology*, ed. A. Magid, Lect. Notes in Pure and Appl. Math. **159** Marcel Dekker, New York, 1994, 123–138.
40. (with A.A. Stolin) Separability and Hopf algebras, in: *Algebra and its Applications*, eds. Huynh *et al*, Contemp. Math. **259** A.M.S., Providence, 2000, 279–298.
41. (with T. Brzezinski and R. Wisbauer) On coseparable and biseparable corings, in: *Hopf algebras in noncommutative geometry and physics*, (Brussels 2002), eds. Caenepeel and Van Oystaeyen, Lect. Notes in Pure & Applied Math. **239**, Marcel Dekker, New York, 2004, 71–89.
42. Depth two and the Galois coring, in: *Noncommutative geometry and representation theory in mathematical physics*, eds. J. Fuchs, A.A. Stolin *et al*, Contemp. Math. **391**, A.M.S., Providence, 2005, 149–156.

43. Pseudo-Galois extensions and Hopf algebroids, in: *Modules and Comodules*, (Porto conf. Sept. 2006 for Robert Wisbauer) eds. Brzezinski *et al* *Birkhauser Trends in Math. XII*, 2008, 247–264.
44. (with S. Burciu) Subgroups of depth three and more, in: *Perspectives in Mathematics and Physics* (Proc. in honor of I.M. Singer, Cambridge, Mass. May 2009), ed. S.-T. Yau, to appear. Preprint: [arXiv.0901.3039](https://arxiv.org/abs/0901.3039).