

## Peter Hendrikus KROPHOLLER

### PUBLICATIONS

Entries in reverse chronological order.

- 41 A generalization of the Lyndon–Hochschild–Serre spectral sequence with applications to group cohomology and decompositions of groups, to appear in *J. Group Theory*. [[pdf](#)]
  - Presentation slides about this generalization of LHSSS. [[pdf](#)]
  - A short informal note describing the results of [41]. [[pdf](#)]
- 40 Groups of small homological dimension and the Atiyah Conjecture, (with Peter Linnell and Wolfgang Lück). [[pdf](#)]
- 39 Invariants of orthogonal groups over  $\mathbb{F}_2$ , *Glasgow J. Math.* **47** (2005), 7–54. (with J. Segal and S. Mohseni-Rajaei). [[pdf](#)]
- 38 Classifying spaces for proper actions of locally finite groups. *J. Group Theory*, **5** (2002), 453–480. (with Warren Dicks, Ian J. Leary, and Simon Thomas). [[pdf](#)]
- 37 Groups with infinite homology, *Cohomological Methods in Homotopy Theory (Procs BCAT98)*, Progress in Math 196, Birkhäuser (Basel, 2001), 27–33. (with Jon Berrick).
- 36 Modules possessing projective resolutions of finite type, *J. Algebra* **216** (1999), 40–55. [[pdf](#)]
- 35 Homological finiteness conditions for modules over group algebras, *J. London Math. Soc.* **58** (1998), 49–62. (with J. Cornick). [[pdf](#)]
- 34 Group actions on finite dimensional spaces with finite stabilizers, *Comment. Math. Helv.* **73** (1998), 122–136. (with G. Mislin). [[pdf](#)]
- 33 On complete resolutions<sup>1</sup>, *Topology Appl.* **78** (1997), 235–250, (with J. Cornick). [[pdf](#)]
- 32 The consistency of Holt’s conjectures on cohomological dimension of locally finite groups, *J. Lond. Math. Soc.* **55** (1997), 76–86, (with S. Thomas).
- 31 On a Conjecture of Moore, *J. Pure Appl. Algebra* **110** (1996), 109–112, (with E. Aljadeff, J. Cornick, and Y. Ginosar).
- 30 Homological finiteness conditions for modules over strongly group-graded rings, *Math. Proc. Camb. Philos. Soc.* **120** (1996), 43–54, (with J. Cornick). [[pdf](#)]
- 29 Powers in finitely generated groups, *Trans. Am. Math. Soc.* **348** (1996), 291–304, (with E. Hrushovski, A. Lubotsky, and A. Shalev).
- 28 Remarks on a theorem of Swarup on ends of pairs of groups, *J. Pure Appl. Algebra* **109** (1996), 107–110, (with M. A. Roller). [[pdf](#)]
- 27 Free groups and almost equivariant maps, *Bull. Lond. Math. Soc.* **27** (1995), 319–326, (with Warren Dicks). [[pdf](#)]
- 26 *Cohomology of Groups*, (with D. J. Benson) **in**: (ed. I. James) *A Handbook of Algebraic Topology*. Amsterdam: North-Holland, (1995), 917–950.

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<sup>1</sup>[In memoriam Thomas Václav Gedrich 12 August 1957 – 31 July 1995]

- 25 Cohomological finiteness conditions, **in:** (eds. C. Campbell and E. Robertson) Groups '93 Galway/St. Andrews'. Proceedings of the international conference, held in Galway, Ireland, August 1-14, 1993. Volume 1. Cambridge: Cambridge University Press, Lond. Math. Soc. Lect. Note Ser. **211** (1995), 274-304.
- 24 Hierarchical decompositions, generalized Tate cohomology, and groups of type  $(FP)_\infty$ , **in:** (eds. A. Duncan, N. Gilbert and J. Howie) Proceedings of a workshop held at Heriot-Watt University, Edinburgh, GB, spring of 1993. Cambridge: Cambridge University Press, Lond. Math. Soc. Lect. Note Ser. **204** (1995), 190–216. [[pdf](#)]
- 23 On groups of type  $(FP)_\infty$ , J. Pure Appl. Algebra **90** (1993), 55–67. [[pdf](#)]
- 22 Soluble groups of type  $(FP)_\infty$  have finite torsion-free rank, Bull. London Math. Soc. **25** (1993), 558–566.
- 21 Amenability and right orderable groups, Bull. London Math. Soc. **25** (1993), 347–352. [[pdf](#)]
- 20 Torsion in profinite completions, J. Pure Appl. Algebra **88** (1993), 143–154, (with J. S. Wilson).
- 19 A group theoretic proof of the Torus Theorem, **in:** (eds. G. A. Niblo and M. A. Roller) Geometric Group Theory, Sussex 1991, Volume 1, (Cambridge University Press 1993), 138–158.
- 18 Soluble right orderable groups are locally indicable, Canad. Math. Bull. **36** (1993), 22–29, (with I. M. Chiswell). [[pdf](#)]
- 17 Rational invariants of certain orthogonal and unitary groups, Bull. London Math. Soc. **24** (1992), 57–60, (with D. Carlisle).
- 16 On a property of fundamental groups of graphs of finite groups, J. Pure Appl. Algebra, **74** (1991), 57–59, (with Olympia Talelli).
- 15 A family of crystallographic groups with 2-torsion in  $K_0$  of the rational group algebra, Proc. Edin. Math. Soc., **34** (1991), 325–331, (with B. Moselle).
- 14 Baumslag-Solitar groups and some other groups of cohomological dimension two, Comment. Math. Helv., **65** (1990), 547–558. [[pdf](#)]
- 13 Some remarks on tensor, symmetric and exterior powers of modules over an abelian group, Comm. Alg. **18** (1990), 3765–3773, (with U. Stambach).
- 12 An analogue of the torus decomposition theorem for certain Poincaré duality groups, Proc. London Math. Soc. (3) **60** (1990), 503–529. [[pdf](#)]
- 11 A note on centrality in 3-manifold groups, Math. Proc. Camb. Phil. Soc. **107** (1990), 261–266. [[pdf](#)]
- 10 Relative ends and duality groups, J. Pure Appl. Algebra **61** (1989), 197–210, (with M. A. Roller).
- 9 Splittings of Poincaré duality groups III, J. London Math. Soc. **39** (1989), 271–284, (with M. A. Roller). [[pdf](#)]
- 8 Splittings of Poincaré duality groups II, J. London Math. Soc. **38** (1988), 410–420, (with M. A. Roller). [[pdf](#)]
- 7 Applications of a new K-theoretic theorem to soluble group rings, Proc. Amer. Math. Soc. **104** (1988), 675–684, (with P.A. Linnell and J. A. Moody). [[pdf](#)]

- 6 Torsion-free soluble groups, completions, and the zero divisor conjecture, *J. Pure Appl. Algebra* **54** (1988), 181–196, (with W. W. Crawley-Boevey and P. A. Linnell). [\[pdf\]](#)
- 5 Splittings of Poincaré duality groups, *Math. Z.* **197** (1988), 421–438, (with M. A. Roller). [\[pdf\]](#)
- 4 Cohomological dimension of soluble groups, *J. Pure Appl. Algebra*, **43** (1986), 281–287. [\[pdf\]](#)
- 3 The cohomology of soluble groups of finite rank, *Proc. London Math. Soc. (3)* **53** (1986), 453–473. [\[pdf\]](#)
- 2 A note on the cohomology of metabelian groups, *Math. Proc. Camb. Philos. Soc.* **98** (1985), 437–445.
- 1 On finitely generated soluble groups with no large wreath product sections, *Proc. London Math. Soc. (3)* **49** (1984), 155–169. [\[pdf\]](#)