

N.D. Gilbert: Publications

1. 'Presentations of the automorphism group of a free product', *Proc. London Math. Soc.* (3) 54 (1987) 115-140.
2. 'The non-abelian tensor square of a free product of groups', *Arch. Math.* 48 (1987) 369-375.
3. 'On the fundamental cat^n -group of an n -cube of spaces', in *Proc. Conf. Algebraic Topology Barcelona 1986* J.Aguadé, R. Kane (Eds.) (Springer-Verlag 1988).
4. (with P.J. Higgins) 'The non-abelian tensor product of groups and related constructions', *Glasgow Math. J.* 31 (1989) 17-29.
5. (with R. Brown) 'Algebraic models of 3-types and automorphism structures for crossed modules', *Proc. London Math. Soc.* (3) 59 (1989) 51-73.
6. (with D.J. Collins) 'Structure and torsion in automorphism groups of free products', *Quart. J. Math. Oxford* (2) 41 (1990) 155-178.
7. 'Derivations, automorphisms and crossed modules', *Comm. in Algebra* 18 (1990) 2703-2734.
8. 'Central extensions of groups and an embedding question of J.H.C. Whitehead', *Arch. Math.* 58 114-120 (1992).
9. 'Identities between sets of relations', *J. Pure Appl. Algebra* 83 (1993) 263-276.
10. (with J. Howie), 'Cockcroft properties of graphs of 2-complexes', *Proc. Roy. Soc. Edinburgh* 124A 363-369 (1994).
11. (as Editor, with A.J. Duncan and J. Howie), *Geometric and Combinatorial Methods in Group Theory, Edinburgh 1993*. London Math. Soc. Lecture Notes 204 (1994), Cambridge University Press.
12. (with T. Porter), *Knots and Surfaces*, Oxford University Press, (1994).
13. (with J. Howie), 'Threshold subgroups for Cockcroft 2-complexes', *Comm. in Algebra* 23 (1995) 255-276.
14. (with A.J. Duncan and G.J. Ellis), 'A Mayer-Vietoris sequence in the homology of groups and decomposition of relation modules', *Glasgow Math. J.* 37 (1995) 159-171.
15. (with J. Howie), 'LOG groups and cyclically presented groups', *J. Algebra* 174 (1995) 118-131.
16. 'Cockcroft complexes and the plus construction'. In *Groups-Korea 94*, (A.C. Kim and D.L. Johnson eds.) Walter de Gruyter (1995), 119-125.
17. 'Monoid presentations and associated groupoids'. *Int. J. Algebra and Computation* 8 (1998), 141-152.
18. (with J. Howie, V. Metaftsis and E. Raptis), 'Tree actions of automorphism groups'. *J. Group Theory* 3 (2000) 213-223.
19. (with W.A. Bogley), 'The homology of Peiffer products of groups'. *New York J. Math.* 6 (2000) 55-72.

20. (as Editor, with M.D. Atkinson, J. Howie, S.A. Linton, and E.F. Robertson), *Computational and Geometric Aspects of Modern Algebra, Edinburgh 1998*. London Math. Soc. Lecture Notes 275 (2000), Cambridge University Press.
21. ‘The low-dimensional homology of crossed modules’. *Homology, Homotopy and Applications* 2 (2000) 41-50.
22. (with W.A. Bogley and J. Howie), ‘Cockcroft Properties of Thompson’s group’. *Bull. Canad. Math. Soc.* 43 (2000) 268-281.
23. (with M. Atkins) *Faces of Mathematics*. Panoptika (2001)
24. ‘Flows on regular semigroups’. *Applied Categorical Structures*, 11 (2003) 147-155.
25. ‘HNN extensions of inverse semigroups and groupoids’. *J. Algebra* 272 (2004) 27-45.
26. ‘Actions and expansions of ordered groupoids’. *J. Pure Appl. Algebra* 198 (2005) 175-195.
27. (with E.R. Dombi and N. Ruškuc), ‘Finite presentability of HNN extensions of inverse semigroups’. *Internat J. Algebra Comput.* 15 (2005) 423-436.
28. ‘Presentations of the inverse braid monoid’. *J. Knot Theory Ramifications* 15 (2006) 571-588.
29. (with E.R. Dombi) ‘HNN extensions of inverse semigroups with zero’. *Math. Proc. Camb. Phil. Soc.* 142 (2007) 25-39.
30. ‘A P -theorem for ordered groupoids’. In *Proc. Intl. Conf. Semigroups and Formal Languages, Lisbon 2005* J.M André et al. (Eds.) 84-100. World Scientific (2007).
31. (with S. Wazzan) ‘Zappa-Szép products of bands and groups’. *Semigroup Forum* 77 (2008) 438-455.
32. (with E.R. Dombi) ‘The tiling semigroups of one-dimensional periodic tilings’. *J. Austral. Math. Soc.* 87 153-160 (2009).
33. (with E.R. Dombi) ‘ F^* -inverse covers for tiling semigroups’. *Periodica Math. Hungar.* 59 (2009) 185-202.
34. (with M. S. Samman) ‘Clifford semigroups and seminear-rings of endomorphisms’. *Int. Electron. J. Algebra* 7 (2010) 110-119.
35. (with M. S. Samman) ‘Endomorphism seminear-rings of Brandt semigroups’. *Commun. in Alg.* 38 (2010) 4028-4041.
36. (with E.C. Miller) ‘The graph expansion of an ordered groupoid’. *Algebra Colloq.* 18 (Spec 1) (2011) 827-842.
37. (with R.F. Noonan Heale) ‘The idempotent problem for an inverse monoid.’ *Internat J. Algebra Comput.* 7 (2011) 1179-1194.
38. ‘Derivations and relation modules for inverse semigroups’. *Algebra Discrete Math.* 12 (2011) 1-19.