CURRICULUM VITAE
MARTIN J. EVANS

May 20, 2024

EDUCATION

Ph.D. - University of Wales, Wales, 1985

B.Sc. - University of London, London, 1981

EMPLOYMENT

University of Alabama; Tuscaloosa, AL 1999-
Professor

University of Alabama; Tuscaloosa, AL 1993-99
Associate Professor

University of Alabama; Tuscaloosa, AL 1992-93
Assistant Professor

University of Alabama; Tuscaloosa, AL 1989-92
Visiting Assistant Professor

University of Wisconsin; Parkside, WI 1988-1989
Visiting Assistant Professor

Auburn University; Auburn, AL 1987-1988
Visiting Assistant Professor

University of Alabama; Tuscaloosa, AL 1985-1987
Visiting Assistant Professor

PUBLICATIONS

1. Two-generator groups with perfect Frattini subgroups, Proc. Amer. Math. Soc.100 (1987), 25-28.

2. A note on two-generator groups, Rocky Mountain J. Math., 17 (1987), 887-889.

3. (with Hyunyong Shin) Local conjugacy in finite groups, Arch. Math 50 (1988), 289-291.

4. Primitive elements in free groups, Proc. Amer. Math. Soc. 106, no. 2 (1989), 313-316.

5. Freely decomposable automorphism groups, Arch. Math. 52 (1989), 420-423.

6. (with Martyn R. Dixon) Divisible automorphism groups, Quart. J. Math., Oxford (2), 41 (1990), 179-188.

7. Torsion in pro-finite completions of torsion-free groups, J. Pure Appl. Algebra, Vol.65 (1990), 101-104.

8. (with Martyn R. Dixon) Periodic divisible-by-finite automorphism groups are finite, J. Algebra, vol 137, no. 2 (1991), 416-424.

9. (with Martyn R. Dixon) On groups with a central automorphism of infinite order, Proc. Amer. Math. Soc., 114,(1992), 331-336.

10. Presentations of groups involving more generators than are necessary, Proc. London Math. Soc., (3) 67(1993), 106-126.

11. T-systems of certain finite simple groups, Math. Proc. Camb. Phil. Soc., (1993), 113, 9, 9-22.

12. Presentations of the free metabelian group of rank two, Canad. Math. Bull., 37 (4), (1994), 468-472.

13. Some rings with many non-free, stably free modules, Quart. J. Math., Oxford (2), 46 (1995), 291-297.

14. (with Martyn R. Dixon and Howard Smith) Locally (soluble-by-finite) groups of finite rank, J. Algebra, 182, (1996), 756-769.

15. (with Martyn R. Dixon and Howard Smith) Locally (soluble-by-finite) groups with all proper insoluble subgroups of finite rank, Arch. Math., 66, 1-10, (1996)

16. (with David M. Riley) Lie algebras of finite subalgebra rank, Arch. Math., 69, (1997), 185-191.

17. Presentations of free abelian-by-(nilpotent of class 2) groups, Bull. London Math. Soc., 30 (1998), 136-144.

18. (with Martyn R. Dixon and Howard Smith) On groups that are residually of finite rank, Israel J. Math., 107, (1998), 1-16.

19. (with Martyn R. Dixon and Howard Smith) Locally (soluble-by-finite) groups with all proper non-nilpotent
subgroups of finite rank, J. Pure Appl. Algebra, 135 (1999), 33-44.

20. (with Martyn R. Dixon and Howard Smith) A Tits alternative for groups that are residually of finite rank, Israel J. Math., 109 (1999),53-59.

21. (with Martyn R. Dixon and Howard Smith) On groups with rank restrictions on subgroups, Proceedings of Groups-St Andrews 1997 in Bath,LMS Lecture Notes Series, Vol.260, 237-247.

22. Relation modules of infinite groups, Bull. London Math. Soc., 31 (1999), no.2, 154-162.

23. (with Martyn R. Dixon and Howard Smith), Groups with all proper subgroups (finite rank)-by-nilpotent, Arch. Math.(Basel), 72, (1999), no.5, 321-327.

24. (with Martyn R. Dixon) Groups with the minimum condition on insoluble subgroups, Arch. Math. (Basel), 72, (1999), no.4, 241-251.

25. Epimorphisms between the free groups in a variety of groups, J. Algebra., 220 (1999), 492-511.

26. Primitive elements in the free metabelian group of rank 3, J. Algebra., 220 (1999), 475-491.

27. (with Martyn R. Dixon, Viatcheslav N. Obraztsov and James Wiegold) Groups that are covered by non-abelian simple groups, J. Algebra, 223, (2000), 511-526.

28. (with Martyn R. Dixon and Howard Smith) Groups with all proper subgroups nilpotent-by-(finite rank), Arch. Math. (Basel), 75, (2000), no.2, 81-91.

29. (with Martyn R. Dixon and Howard Smith) Groups with all proper subgroups (finite rank)-by-nilpotent II, Comm. Algebra, 29(3),1183-1190 (2001).

30. (with Martyn R. Dixon and Howard Smith) Groups with some minimal conditions on non-nilpotent subgroups, J. Group Theory, 4, (2001), 207-215.

31. (with Martyn R. Dixon and Howard Smith) Locally soluble-by-finite groups with the weak minimal condition on non-nilpotent subgroups, J. Algebra, 249 (2002), 226-246.

32. (with Martyn R. Dixon and Howard Smith) Groups with various minimal conditions on subgroups, Ukrainian Math. J., 54(6) (2002), 957-966.

33. (with Martyn R. Dixon and Howard Smith) Minimal conditions, subgroups of infinite index and Frattini subgroups, Advances in Group Theory 2002, Proceedings

of the Intensive Bimester Dedicated to the Memory of Reinhold Baer, Naples May-June 2002, 129-143, Aracne (2003).

34. (with Youngmi Kim) On groups in which every subgroup of infinite rank is subnormal of bounded defect, Comm. Algebra 32(7), 2547-2557 (2004).

35. (with Martyn R. Dixon and Howard Smith) On the derived length of subgroups of infinite index in soluble groups, J. Group Theory 7 (2004), 127-133.

36. (with Martyn R. Dixon and Leonid A. Kurdachenko) Groups with the minimal condition on infinite dimensional subgroups, J. Algebra 277 (2004), 172-186.

37. (with Martyn R. Dixon and Howard Smith), A finiteness condition on subgroups of large, derived length, J. Algebra, 280 (2004) 762-771.

38. (with Martyn R. Dixon and Howard Smith), Locally (soluble-by-finite) groups with various restrictions on subgroups of infinite rank, Glasgow Math. J. 47 (2005), 309-317.

39. (with Martyn R. Dixon and Howard Smith), Groups with all proper subgroups soluble-by-finite rank, J. Algebra 289 (2005), no.1, 135-147.

40. (with Martyn R. Dixon and Leonid A. Kurdachenko) Linear groups with minimality condition for some infinite dimensional subgroups, Ukrainian Math. J. 57, no. 11, (2005) 1726-1740.

41. Presentations of groups involving more generators than are necessary, II., in 'Combinatorial Group Theory, Number Theory and Discrete Groups' edited by B. Fine, A. Gaglione and D. Spellman. Contemporary Mathematics, Vol. 421 (2006), 101-112, American Math. Soc.

42. (with Martyn R. Dixon and Howard Smith), Embedding in simple locally (soluble-by-finite) groups, J. Group Theory 9 (2007), 383—395.

43. (with Martyn R. Dixon and Howard Smith), Some countably recognizable classes of groups, J. Group Theory 10 (2007), no. 5, 641—653.

44. (with Martyn R. Dixon and Howard Smith), Groups with proper subgroups of certain types, in `Ischia group theory 2006', 73—82, World Scientific International, 2007.

45. Nielsen equivalence classes and stability graphs of finitely generated groups, in `Ischia group theory 2006', 103—119, World Scientific International, 2007.

46. (with Martyn R. Dixon and Howard Smith), Residually finite subgroups of locally nilpotent groups, J. Algebra, 320 (2008) 81—85.

47. (with Martyn R. Dixon and Howard Smith), Simple groups with prescribed local properties, J. Group Theory, 12 (2009), 745--752.

48. (with Martyn R. Dixon and Howard Smith), Some locally(soluble-by-finite) simple groups, Proceedings of `Ischia group theory 2008', 79—89, World Scientific, Singapore.

49. (with Martyn R. Dixon and Antonio Tortora), On totally inert simple groups, Cent. Eur. J. Math. 8(1) (2010), 22—25.

50. Nielsen equivalence classes of free abelianized extensions of groups, Israel J. Math. 191 (2012), 185—207.

51. (with Martyn R. Dixon and Howard Smith), Omissible extensions of $SL_2(k)$ where k is a field of positive characteristic, Int. J. Group Theory, Vol. 2 No. 1 (2013) 145—155.

52. Relation modules of infinite groups II, Cent. Eur. J. Math. 12 (2014) no. 1, 145—155.

53. (with Bryan G. Sandor) Groups of class 2n in which all proper subgroups have class at most n, J. Algebra 498 (2018), 165--177.

54. (with Maria De Falco, Francesco de Giovanni and Carmela Musella) Permutability in uncountable groups, Annali di Matematica (2018), no. 5, 1417-1427.

55. (with Maria De Falco, Francesco de Giovanni and Carmela Musella) Groups in which every element has a paracentralizer of finite index, Comm. Algebra 48 (2020), no.5, 2160-2166.

56. Nilpotent Lie algebras in which all proper subalgebras have class at most n, J. Algebra 591 (2022),1-14.

57. Nilpotent Lie algebras in which all proper subalgebras have class at most n, II, Comm. Algebra 51(10), 4180-4184 (2023).

58. (with Sevgi Atlihan and Martyn R. Dixon) Locally graded groups with all non-nilpotent subgroups permutable, J. Algebra 632 (2023), 62-69.

59. (with Sevgi Atlihan and Martyn R. Dixon) Locally graded groups with all non-nilpotent subgroups permutable, II. J. Algebra 641 (2024), 530-533.

60. Nilpotent Lie algebras in which all proper subalgebras have class at most n, III, in preparation.

61. Automorphisms of free-abelianised extensions of groups.

BOOKS

1. (with Jon Corson, Martyn R. Dixon and Frank Roehl) Proceedings of American Math. Soc. special session on infinite groups and group rings. World Science International.

INVITED TALKS

1. Residually Finite Groups and Their Completions. University of Toledo Colloquium, February 1989.

2. Presentations of Polycyclic Groups. Bucknell Group Theory Conference, May 1991.

3. Presentations of groups involving more generators than necessary, Weekend Algebra Conference, Hattiesburg, MS, April 1992.

4. Stability theorems for group presentations. Groups - St. Andrews 1993, Galway, Ireland.

5. Relation modules of infinite groups. A.M.S. special session on infinite groups and group rings, Lexington, KY, March 1994.

6. Presentations of some relatively free groups, Weekend Algebra Conference, Hattiesburg, MS, April 1995.

7. Applications of Algebraic K-theory to the theory of group presentations, Daewoo Workshop on Pure Mathematics, Korean Teachers National University, Cheongjoo, Korea, July 1995 (3 talks).

8. Relation Modules and Related Matters, Bucknell University, Jan. 1996 (2 talks).

9. Relation modules of infinite groups, Groups-St Andrews 1997, Bath, U.K.

10. Non-Hopf groups for beginners, Bucknell University, April 1998.

11. Free groups in varieties, Bucknell University, April 1998.

12. Presentations of relatively free groups, Conference on Combinatorial Methods in Algebra, University of Arkansas, April 1998.

13. Group presentations and (baby) algebraic K-theory, University of Wisconsin-Parkside, October 1999.

14. Fox derivatives and Magnus embedding, Bucknell University, October 1999.

15. Commutative algebra and metabelian groups, Bucknell University, October 1999.

16. An introduction to injective modules, Bucknell University, November 2001.

17. Embeddings in simple groups, Bucknell University, November 2001.

18. Soluble groups of infinite rank and Frattini subgroups, Zassenhaus Group Theory Conference, 2003, University of Evansville, March 2003.

19. Embedding in simple locally (soluble-by-finite) groups, A.M.S. special session on infinite groups, Binghamton NY, October 2003.

20. Simple linear groups and geometry, Bucknell University, September 2004.

21. Inert subgroups, Bucknell University, September 2004.

22. Locally (soluble-by-finite) groups with various restrictions on subgroups of infinite rank, Zassenhaus Group Theory Conference, 2005, Auburn University at Montgomery, March 2005.

23. Nielsen equivalence classes and T-systems of group presentations. A.M.S. special session on infinite groups, Bard college, NY, October 2005.

24. Nielsen equivalence classes and stability graphs for group presentations, Colloquium, University of South Alabama, January 2006.

25. Applications of 'baby'; K-theory in the theory of group presentations, Algebra Seminar, University of South Alabama, January 2006.

26. Nielsen equivalence classes and stability graphs of finitely generated groups, Ischia Group Theory 2006, Ischia, Italy, March 2006.

27. Free abelianized extensions of groups, University of Kentucky, September 2006.

28. Nielsen equivalence classes and stability graphs of finitely generated groups, Bucknell University, October 2006.

29. Free abelianized extensions of groups, Bucknell University, October 2006.

29. Free abelianized extensions of groups, University of Kentucky, September 2006.

30. Classifying generating sets of free abelianized extensions of finite groups, Zassenhaus 2007 group theory conference, St. Louis University, March 2007.

31. Nielsen equivalence classes and T-systems of free abelianized extensions of groups, Derek Robinson Conference, Auburn at Montgomery, February 2008.

32. Free abelianized extensions of group, Ischia Group Theory 2008, Jolly Hotel, Ischia, Italy, April 2008.

33. Infinite simple groups, Bucknell University, October 2008.

34. Algebraic K-theory and Nielsen equivalence classes of polycyclic groups, Bucknell University, October 2008.

35. K1 and group presentations, conference on Dynamics of Aut(Fn) actions on representation varieties, Sde Boker, Israel, January 2009.

36. Relation modules of infinite groups, University of Illinois Urbana-Champagne, November 2009.

37. Group presentations and relation modules, Bucknell University, March 2010.

39. Applications of algebraic K-theory to the presentation theory of polycyclic groups, Bucknell University, March 2010.

40. Some stability operations in group theory, Ischia Group Theory 2010, Ischia, Italy, April 16, 2010.

41. Frattini subgroups of finitely generated groups, Bucknell University, November 2011.

42. Frattini extensions of groups, Bucknell University, November 2011.

43. Omissible extensions of groups, Bucknell University, May 2013.

44. Some applications of Magnus embedding, Ischia Group Theory 2014, Ischia, Italy, April 5, 2014.

45. Some questions suggested by Fitting's theorem, Ischia Group Theory 2016, Ischia, Italy, March 31, 2016.

46. A crash course on group representation theory with an eye on Schur-Weyl duality, Università di Napoli Federico II, Naples, Italy, May—June 2017, (10 talks).

47. Nilpotent groups in which all proper subgroups have "much" smaller class, June 18, 2020, Ischia Online Group Theory Conference,(GOThIC). https://drive.google.com/file/d/1tZvq6h4QLJwORn6VSHJsuAmMKKAhqm1H/view

Here,I fell asleep.