

Arman Darbinyan

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Education

- 2018-present **Postdoctoral fellow**, *Ecole Normale Supérieure*, Paris, France.
Working with: Anna Erschler
- 2012—2018 **PhD in Mathematics**, *Vanderbilt University*, Nashville, TN.
Advisor: Alexander Olshanskii
- 2009—2011 **MSc in Mathematics**, *Yerevan State University*.
- 2005—2009 **BSc in CS and Mathematics**, *Yerevan State University*, with honors.

Papers

- **Computable groups which do not embed into groups with decidable conjugacy problem** (*Answer to a question of Collins*), arXiv:1708.09047
- **The word and conjugacy problems in lacunary hyperbolic groups**, 97 pages, arXiv:1708.04591
- **Group embeddings with algorithmic properties**, *Communications in Algebra*, (2015), Volume 43, Issue 11

Invited talks

- Seminar “Théorie des Modèles et Groupes”, U Paris 7, March 19, 2019
- Pure Maths Colloquium, University of Southampton, March 1, 2019
- Geometry seminar, University of Lille, December 6, 2018
- Group Theory seminar, ENS Paris, November 13, 2018
- ICM 2018 Satellite conference “Group Theory”, Cabo Frio, Brazil, July 2018
- Geometric Group Theory and Topology Seminar, Tufts University, October 31, 2017
- Topology and Group Theory Seminar, Vanderbilt University, September 13, 2017
- AMS Sectional Meeting, Special Session on Combinatorial/Geometric/Probabilistic Methods in Group Theory, University of North Texas, September 2017
- UIUC Logic Seminar, University of Illinois, Urbana-Champaign, IL, September 5, 2017
- AMS Sectional Meeting, Special Session on Computational and Algorithmic Group Theory, CUNY, NYC, May 2017
- Topology and Group Theory Seminar, Vanderbilt University, April 5, 2017

Poster presentations

- Young Geometric Group Theory VI, Oxford, UK, March 2017
- Geometric and Combinatorial Methods in Group Theory (In honor of Mark Sapir’s 60th birthday), UIUC, IL, May 2017

Selected conferences

- Groups and Computation (In honor of Paul Schupp's 80th birthday), Stevens Institute, NJ, June 2017
- Geometric and Combinatorial Methods in Group Theory (In honor of Mark Sapir's 60th birthday), UIUC, IL, May 2017
- Young Geometric Group Theory VI, Oxford, UK, March 2017
- Geometric and Probabilistic Methods in Group Theory and Dynamical Systems, Texas A&M, College Station, TX, November 2015
- Topology Festival - 2015, 2017, Cornell University, Ithaca
- Geometric group theory on the gulf (the G^3 conference), Pensacola, FL, March 2014
- Cube complexes and 3-manifolds (workshop), UIC, Chicago, May 2013

█ Awards

- Bjarni Jónsson Prize for Research, Vanderbilt University, 2018
- Clay Mathematics Institute sponsorship for poster presentation at YGGT VI, 2017
- Fund for Armenian Relief (FAR) award for academical excellence, 2007, 2009
- Second place, Armenian students mathematical contest, 2007
- Bronze medal, International Mathematical Olympiad (IMO), Greece, 2004
- Winner of Armenian national olympiads in physics and mathematics, 2003, 2003-2005

█ Professional service

- Referee for Journal of Combinatorial Algebra

█ Teaching experience

Vanderbilt University, TA

- Modern Algebra, Spring 2017
- Modern Algebra, Fall 2016
- Calculus I (Math 1200, 1300), Fall 2015
- Linear Algebra and Differential Equations, Spring 2015
- Math Statistics, Fall 2014
- Math Statistics, Spring 2014
- Calculus II (Math 1301), Spring 2013
- Calculus II (Math 1301), Fall 2013

Yerevan State University, Instructor

- Computer Algebra (graduate course), Fall 2011

█ Professional experience

- Software engineer, *Epygi Labs*, Summer 2008

█ Miscellanea

- Languages: English, Russian, Armenian