

Parker Glynn-Adey

University of Toronto
Department of Mathematics
40 St. George St., Room 6290
Toronto, ON M56 2T4

Phone: (647) 706-5740
Email: parker.glynn.adey@utoronto.ca
Homepage: <http://pgadey.ca>

Personal

Born on December 6th, 1988.
Canadian Citizen.
Languages: French, English, and Esperanto.

Education

Ph.D. Mathematics, University of Toronto, 2012–17
M.Sc. Mathematics, University of Toronto, 2011–12
B.Sc. Mathematics, Trent University, 2006–10

Employment

Assistant Professor University of Toronto Mississauga Campus 2017-2018
Instructor University of Toronto Scarborough Campus 2016-2017
Teaching Assistant University of Toronto St. George 2011-2016
Tutor Trent University 2007-10

Teaching Experience

Mississauga 2017/18

MAT 133 – Calculus and Linear Algebra for Commerce.
MAT 134 – Calculus for Life Sciences.
MAT 223 – Linear Algebra I.

Scarborough 2016/17

MAT A31 – Calculus for the Mathematical Sciences.
MAT A29 – Calculus for Life Science.
MAT A33 – Calculus for Management II.

Toronto 2016/17

MAT 246 – Concepts in Abstract Mathematics.

Scarborough 2015/16

MAT A33 – Calculus for Management II.

Toronto 2015/16

TA Math137 (Alfonso Garcia-Saz) – Calculus!

TA Math246 (Jonathan Korman) – Concepts in Abstract Mathematics.

Toronto 2014/15

TA Math137 (Alfonso Garcia-Saz) – Calculus!

Toronto 2013/14

TA Math135 (Anthony Lam) – Calculus 1a.

TA Math136 (Anthony Lam) – Calculus 1b.

TA Math187 (Dietrich Burbulla) – Calculus 1.

Toronto 2012/13

TA Math188 (Dietrich Burbulla) – Calculus 1.

TA Math301 (Patrick Robinson) – Groups and Symmetry.

TA Math246 (Vitali Kapovitch) – Concepts in Abstract Mathematics.

TA Math246 (Regina Rotman) – Concepts in Abstract Mathematics.

Toronto 2011/12

TA Math246 (Fiona Murnaghan) – Concepts in Abstract Mathematics.

TA Math186 (Sean Uppal) – Linear Algebra 1.

TA Math135/136 (Anthony Lam) – Calculus 1A.

TA Math136 (Anthony Lam) – Calculus 1B.

Toronto 2011/10

TA Math135 (Anthony Lam) – Calculus 1A.

TA Math136 (Anthony Lam) – Calculus 1B.

Trent 2007–10

Departmental Tutor – Conducted ad hoc tutorials on calculus, linear algebra, and probability theory. Helped students develop problem solving skills.

Papers

Glynn-Adey, Parker, and Yevgeny Liokumovich. "Width, Ricci curvature, and minimal hypersurfaces." *Journal of Differential Geometry* 105.1 (2017): 33-54. [arXiv:1408.3656]

Glynn-Adey, Parker, and Zhifei Zhu. "Subdividing three-dimensional Riemannian disks." *Journal of Topology and Analysis* 9.03 (2017): 533-550. [arXiv:1508.03746]

Talks

The Infinitude of Primes and Variations. March Break Math Academy. 2018.
Storer Calculus for Unknot designs. UTM Math Club. 2018.
Triangulating the Hyperbolic Plane. March Break Math Academy. 2017.
Unknot designs. Appleby College 2017.
Ideal hyperbolic polyhedra. Geometry learning seminar 2014.
A tour of recent work in geometric geometry. Math Graduate Student Seminar 2013.
Asymptotic cycles and ergodicity on flat surfaces. Flat Surfaces Learning Seminar 2013.
From exander graphs to super-exanders. Probability, Geometry, and Groups Learning Seminar 2013.
Goemans-Linial approximation to the sparsest cut problem. Probability, Geometry, and Groups Learning Seminar 2012.
Modern integer factorization techniques. AARMS Graduate Summer School 2009.
Integer partition identities. CUMC 2009.
Numeration systems. CUMC 2008.

Outreach

UTM Math Club Coordinator. 2018
 UTM Rochester Math Olympiad team trainer. 2017.
 Camp coordinator and instructor. Canada Math Camp. 2016.
 John Nash Memorial Math Academy. 2015.
 The Hardware and Software of Theoretical Machines. Canada Math Camp 2015.
 Mathematics and Games. Kangaroo Math Contest 2014.
 Invited Speaker: "Numbers, bases, and patterns". TOPS. 2014.
 Camp coordinator and instructor. Canada Math Camp. 2014.
 Rotationally distinct ways of labelling a die. Canada Math Camp 2013.
 Mathematics mentor for highschool students. Project: Regular convex polytopes in \mathbb{R}^n . 2013.
 COMC contest marker. 2013.
 Fields Institute math circle advanced problem solving seminar leader. 2012.
 Mathematics mentor for highschool students. 2011.
 (Mathematical) Typesetting with \LaTeX . Trent Undergraduate Seminar Series 2008.

Awards

Doctoral Completion Award (University of Toronto) – 2015-16
 NSERC USRA for Math in Moscow Jan — May 2010
 Guinand Scholarship (Mathematics) 2009–10
 NSERC USRA (Dynamical systems) May — Sept 2008
 Bruce Barrette Memorial (Philosophy) 2007
 Gadfly Award (Philosophy) 2006
 Entrance scholarship at Trent U. 2006, 2008, 2009