

# Parker Glynn-Adey

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## Personal

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

## Education

Ph.D. Mathematics, University of Toronto, 2012-2017  
M.Sc. Mathematics, University of Toronto, 2011-2012  
B.Sc. Mathematics, Trent University, 2006-2010

## Professional Development

Canadian Math Education Study Group. 2019  
National Inquiry Based Learning and Teaching Conference. 2019  
PCMI Workshop on Equity and Mathematics Education. 2019  
Inquiry Based Learning training workshop at the Academy of Inquiry Based Learning. 2018  
Participant at the Active Learning Workshop at UTM. 2018

## Employment

**Assistant Professor (CLTA)** University of Toronto Mississauga Campus. 2017-Present  
**Instructor** University of Toronto Scarborough Campus. 2016-2017  
**Teaching Assistant** University of Toronto St. George Campus. 2011-2016

## Service

Chair-Elect of the IBL Special Interest Group of the MAA. 2019-Present  
Steering committee of Fields Institute Math Education Forum. 2018-Present  
Organizer of MAA Instructional Practices Guide reading group. 2019  
Editor of *Math in Action Journal*. 2018-Present  
Reviewer for CRC Press. 2018-Present

## Teaching

### *Mississauga 2019/20*

**MAT 488** – Hyperbolic Geometry  
**MAT 402** – Classical Geometry  
**MAT 133** – Calculus and Linear Algebra for Commerce  
**Coordinator MAT 232** – Calculus of Several Variables

### *Mississauga 2018/19*

**CSC 493** – Expository Writing in Computer Science  
**MAT 133** – Calculus and Linear Algebra for Commerce  
**MAT 135** – Calculus  
**Coordinator MAT 232** – Calculus of Several Variables

### *Scarborough 2017/18*

**Coordinator MAT B41** – Techniques of the Calculus of Several Variables I

### *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

### *St. George 2015/16*

**TA MAT137** – Calculus!  
**TA MAT246** – Concepts in Abstract Mathematics

### *St. George 2014/15*

**TA MAT137** – Calculus!

*St. George 2013/14*

TA MAT135 – Calculus 1A  
 TA MAT136 – Calculus 1B  
 TA MAT187 – Calculus 1

*St. George 2012/13*

TA MAT188 – Calculus 1  
 TA MAT301 – Groups and Symmetry  
 TA MAR246 – Concepts in Abstract Mathematics  
 TA MAT246 – Concepts in Abstract Mathematics

*St. George 2011/12*

TA MAT246 – Concepts in Abstract Mathematics  
 TA MAT186 – Linear Algebra 1  
 TA MAT135/136 – Calculus 1A  
 TA MAT136 – Calculus 1B

*St. George 2010/11*

TA MAT135 – Calculus 1A  
 TA MAT136 – Calculus 1B

## Undergraduate Projects Supervised

Arnoldt-Smith, Kaylan. "Game theory and the probabilistic method". 2019  
 Salwinski, David. "The Continuous Binomial Coefficient: An Elementary Approach." *The American Mathematical Monthly* 125.3 (2018): 231-244.  
 Salwinski, David. "Euler's Sine Product Formula: An Elementary Proof." *The College Mathematics Journal* 49.2 (2018): 126-135.

## Education Papers

Glynn-Adey, Parker, Ann Arden, and Egan Chernoff. "Report: Canadian Mathematics Education Study Group 2019 Annual Meeting." *Ontario Mathematics Gazette*. 58.1 (2019): 11-14.  
 Glynn-Adey, Parker, and Zohreh Shahbazi. "Using Departmental Publications to Foster Student Creativity in Mathematics." *Journal of Humanistic Mathematics*. (accepted)

## 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]

## Education Talks

*Geometry, Models, and Inquiry.* CMS Winter Meeting. 2019.

*A Community of Mathematicians: Using a Wiki in a Large Calculus Class.* PCMI Workshop on Equity and Mathematics Education. 2019.

*Start, Stop, Continue and Ticket Out of the Door: Collecting and using student feedback to improve teaching in a large first-year math class.* Scholarship of Teaching and Learning in Higher Education 2018.

*Calculus Readiness Assessment - Are Students Ready?* UTM MCS High School CS/Math Teacher Workshop 2018.

## Math Talks

*Simplicial homology for beginners.* MSLC Summer Seminar 2019

*Euler's equation: some personal reflections.* Fields Institute Math Education Forum 2018

*Storer calculus for unknot designs.* UTM Math Club 2018

*The infinitude of primes and variations.* March Break Math Academy 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

*Rotationally distinct ways of labelling a die.* Canada Math Camp 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.* Canadian Undergraduate Math Conference 2009

*Numeration systems.* Canadian Undergraduate Math Conference 2008

*(Mathematical) Typesetting with L<sup>A</sup>T<sub>E</sub>X.* Trent Undergraduate Seminar Series 2008

## Service in Outreach and Popularization

Science Rendezvous. Topic: Geometry and symmetry. 2019

Mathematics mentor for highschool students. Project: Storer Calculus. 2018

UTM Math Club Coordinator. 2017-2019

UTM Rochester Math Olympiad team trainer. 2017

Camp coordinator and instructor. Canada Math Camp. 2016

Camp coordinator and instructor. John Nash Memorial Math Academy. 2015

Camp coordinator and instructor. Canada Math Camp. 2014.

Mathematics mentor for highschool students. Project: Regular convex polytopes in  $\mathbb{R}^n$ . 2013

Canadian Open Math Contest marker. 2013

Fields Institute math circle advanced problem solving seminar leader. 2012

## 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

Last updated: February 17, 2020  
<http://pgadey.com/cv.pdf>