Sami Douba CV

CONTACT INFORMATION	McGill University Department of Mathematics and Statistics	(514) 945-3399 doubasami@gmail.com http://www.math.mcgill.ca/sdouba

RESEARCH INTERESTS

Geometric group theory, low-dimensional/geometric topology, dynamics

EDUCATION

McGill University

Ph.D. Candidate, Mathematics
- Supervisors: Prof. Piotr Przytycki, Prof. Dmitry Jakobson

M.Sc. in Mathematics, October 2017
- Supervisor: Prof. Eyal Goren
- Thesis title: *Towards a general theory of Weierstrass points on curves*

B.Sc. in Honours Mathematics, June 2015
First Class Honours in Mathematics

PUBLICATIONS

S. Douba, 2-*Systems of arcs on spheres with prescribed endpoints*, Mich. Math. J. (2021).

PREPRINTS

S. Douba, *Thin right-angled Coxeter groups in some uniform arithmetic lattices*, forthcoming.
S. Douba, *Proper* CAT(0) *actions of unipotent-free linear groups*, submitted.
S. Douba, *Virtually unipotent curves in some non-NPC graph manifolds*, submitted.

INVITED TALKS (CONFERENCES)

January	2022	*Joint Mathematics Meetings: AMS Special Session on Geometric Group Theory*
August	2021	*World of Geometric Group Theory*
May	2021	*The 54th Spring Topology and Dynamical Systems Conference*, Murray State University

INVITED TALKS (SEMINARS & COLLOQUIA)

Dec	2021	*Groups and Operator Algebras*, Université Paris-Saclay
Dec	2021	*Séminaire de géométrie topologie dynamique*, Université Paris-Saclay
Nov	2021	*Junior Geometry Seminar*, University of Cambridge
Nov	2021	*Group Theory Afternoon*, École normale supérieure (Paris)
Oct	2021	*Junior Topology and Group Theory Seminar*, University of Oxford
Oct	2021	*Geometry/Topology Seminar*, Rutgers University–New Brunswick
June	2021	*Dynamics and Group Geometry Early Researchers Seminar*, University of Warwick
May	2021	*Geometric Group Theory Seminar*, University of Cambridge
February	2021	*Topology Seminar*, University of Wisconsin-Milwaukee
February	2021	*Club Mathématique*, Université de Sherbrooke
November	2020	*Bristol Junior Geometry Seminar*, University of Bristol
July	2020	*Trends in Low Dimensional Topology*
March	2020	*Dynamics, Geometry, and Groups*, Queen's University

TEACHING AND MARKING

Fall	2020	Teaching Assistant, Algebra I, McGill University
Fall	2019	Marker, Euclidean Geometry, McGill University
Winter	2019	Teaching Assistant, Analysis II, McGill University
Fall	2018	Teaching Assistant, Algebra I, McGill University
Fall	2018	Marker, Euclidean Geometry, McGill University
Winter	2018	Teaching Assistant, Calculus I, McGill University
Winter	2017	Teaching Assistant, Calculus I, McGill University
Fall	2016	Teaching Assistant, Analysis I, McGill University
Fall	2016	Marker, Honours Algebra III, McGill University
Winter	2016	Teaching Assistant, Calculus II, McGill University
Fall	2015	Teaching Assistant, Analysis I, McGill University

MENTORING	Winter	2019	McGill Directed Reading Program, geometry of the hyperbolic plane

HONOURS AND AWARDS	2021	Junior Scientific Visibility Award (Fondation Jacques Hadamard)
	2020	Alexis D. and W. Charles Pelletier Fellowship in Mathematics
	2018–2020	ISM Graduate Scholarship
	2014, 2015	NSERC Undergraduate Student Research Award
	2010–2011	Sheila Baillie Scholarship

TRAVEL	Sep.– Dec.	2021	Laboratoire de mathématiques d'Orsay, visitor

CONFERENCES AND SCHOOLS	July	2021	*Young Geometric Group Theory*, Newcastle University
	January	2021	*Topics at the Interface of Low Dimensional Group Actions and Geometric Structures*, Institute for Mathematical Sciences, National University of Singapore
	August– December	2020	*Random and Arithmetic Structures in Topology*, MSRI
	Feb.	2020	*Young Geometric Group Theory*, Saint-Jacut-de-la-Mer, France
	July	2019	*Aspects of Geometric Group Theory*, IHÉS
	July	2019	*Young Geometric Group Theory*, Universidad del País Vasco
	May	2019	*Simons Semester on Geometric and Analytic Group Theory*, IMPAN
	April	2019	*Workshop on the Geometry of Teichmuller Spaces*, Simons Center
	Nov.	2018	*2018 Fields Medal Symposium in honour of Maryam Mirzakhani*, the Fields Institute
	August	2018	*Workshop on Geometry of Teichmüller Space*, the Fields Institute
	August	2018	*Summer School on Teichmüller Theory and its Connections to Geometry, Topology and Dynamics*, the Fields Institute

ORGANIZATION	June 2021	*Geometric Group Theory without Boundaries II*, virtual summer school
	July 2020	*Geometric Group Theory without Boundaries*, virtual summer school
	2018–2020	*Mathematics and Statistics Graduate Student Seminar*, McGill University
	2018–2021	*Geometric Group Theory Seminar*, McGill University
	Fall 2018	Reading course on ergodic theory, McGill University