

Geoffrey Scott

CONTACT INFORMATION	Department of Mathematics University of Toronto 40 St. George Street Toronto, ON M5S 2E4	www.math.toronto.edu/gscott gscott@math.toronto.edu (647)677-3307
RESEARCH INTERESTS	Symplectic and poisson geometry, hamiltonian actions, toric geometry, gauge theory	
EDUCATION	University of Michigan <i>Doctor of Philosophy, Mathematics</i> Thesis title: <i>Torus Actions and Singularities in Symplectic Geometry</i> Thesis advisor: Daniel Burns 2008 – 2014	
	Dartmouth College <i>Bachelor of Arts, Mathematics (minor in Engineering)</i> 2004 – 2008	
EMPLOYMENT	University of Toronto <i>Postdoctoral Fellow</i> 2014 – 2017	
AWARDS	Frederick V. Atkinson teaching award Awarded to two postdoctoral fellows in math with the best student evaluations 2015 NSF RTG fellowships 2011 – 2013 Outstanding mathematics graduate student instructor award 2011 Golden stapler award Awarded to the math graduate student instructor with the best student evaluations 2011 Summa Cum Laude Awarded to the top 5% of the graduating class at Dartmouth College 2008	
PUBLICATIONS	Deformation of Dirac structures via L_∞ algebras With Marco Gualtieri and Mykola Matviichuk Preprint available on ArXiv Action-angle Variables and a KAM Theorem for b-Poisson Manifolds With Eva Miranda and Anna Kiesenhofer In <i>Journal de Mathématiques Pures et Appliquées</i> , 2016 Convexity for Hamiltonian Torus Actions on b-Symplectic Manifolds With Victor Guillemin, Eva Miranda, and Ana Rita Pires In <i>Mathematical Research Letters</i> , 2016 The Geometry of b^k -manifolds In <i>Journal of Symplectic Geometry</i> , 2016 Toric Actions on b-symplectic Manifolds With Victor Guillemin, Eva Miranda, and Ana Rita Pires In <i>International Mathematics Research Notes</i> , 2014 Torus Invariant Curves Preprint available on arXiv Graphs with Equal Chromatic Symmetric Functions With Rosa Orellana In <i>Discrete Mathematics</i> , 2014. A Generalization of Thue Freeness for Partial Words With F. Blanchet-Sadri and Robert Mercas In <i>Theoretical Computer Science</i> , 2009.	

Counting Distinct Squares in Partial Words
 With F. Blanchet-Sadri and Robert Mercas
 In *Proceedings of AFL*, 2008.

TEACHING	Postdoctoral Instructor , University of Toronto	2014 – 2016
	Polynomial equations and fields (2 semesters)	
	Linear algebra (3 semesters)	
	Graph theory (1 semester)	
	Tutor , African Institute for Mathematical Sciences, Senegal	2014
	Graph theory	
	Quantum mechanics	
	Symplectic geometry	
	Course Co-coordinator , University of Michigan	2011
	Assisted in the administration of an integral calculus course	
	Wrote exams taken by over 800 students and mentored instructors on teaching techniques	
	Graduate Student Instructor , University of Michigan	2008 – 2010
	Integral calculus (3 semesters)	
	Differential calculus (2 semesters)	
	Teaching Assistant , Dartmouth College	2006 – 2007
	Introduction to programming	
	Numerical analysis	
	Recreational topology	
	RESEARCH TALKS <i>An Introduction to Gerbes in Classical Field Theory (four-lecture master course)</i>	
	Winter School in Mathematical Physics, Les Diablerets, Switzerland	2017
	<i>The Dirac Geometry of Folded Symplectic and b-Symplectic Structures</i>	
	Joint Mathematics Meetings, Atlanta	2017
	<i>Lie Algebroids on Pinched S^1 Bundles</i>	
	Geometry Seminar, McMaster University	2016
	Poisson 2016, ETH Zürich	2016
	Symplectic Geometry Seminar, University of Toronto	2016
	<i>Action-Angle Coordinates on Log-Symplectic Manifolds</i>	
	Symplectic Geometry Seminar, University of Toronto	2015
	Geometry Seminar, University of Waterloo	2015
	<i>Introduction to b-Symplectic Geometry</i>	
	Geometry Seminar, University of Dakar Cheikh Anta Diop	2014
	<i>Toric Actions on b-Symplectic Manifolds</i>	
	Geometry Seminar, University of Michigan	2013
	Lie Groups Seminar, Cornell University	2013
	GESTA Itinerante, Universitat Politcnica de Catalunya	2013
	<i>Torus invariant curves</i>	
	Lie Groups Seminar, Cornell University	2013
	Algebraic Geometry Seminar, Universitat de Barcelona	2013
	<i>Integrable Systems on Log-Symplectic Manifolds</i>	
	Fields Institute, University of Toronto	2013

	<i>Sheaf Cohomology on T-Varieties</i> Algebraic Geometry Seminar, Freie Universität Berlin	2012
	<i>Counting Distinct Squares in Partial Words</i> International Conference on Automata and Formal Languages, Hungary	2009
EXPOSITORY TALKS	<i>Mini-course: Poisson Geometry (teaching assistant to Eckhard Meinrenken)</i> Poisson 2016, University of Geneva	2016
	<i>Mini-course: Poisson Geometry (teaching assistant to Eva Miranda)</i> Poisson 2014, University of Illinois at Urbana-Champaign	2014
	<i>Mini-course: Hamiltonian actions in Poisson Geometry (joint with Eva Miranda)</i> GESTA 2014 summer school, ICMAT Madrid	2012
	<i>Geometry of T-Varieties</i> Baby Algebraic Geometry Seminar, Harvard University	2012
	<i>Mini-course on Floer Homologies</i> Summer Mini-course, University of Michigan	2011
	<i>Toric Varieties</i> Student Geometry and Topology Seminar, University of Michigan	2011
	<i>Symplectic Toric Manifolds</i> Student Geometry and Topology Seminar, University of Michigan	2010
	<i>Spines and Turaev-Viro Invariants</i> Student Geometry and Topology Seminar, University of Michigan	2009
ADMINISTRATION	Helped organize Geometric Structures Laboratory, University of Toronto	2014 – 2016
	Student Geometry and Topology Seminar, University of Michigan	2010 – 2011
	Great Lakes Student Geometry and Topology Seminar, University of Michigan	2010
OUTREACH	Panel Speaker, The Politics of the Sciences Spoke on a panel about the overproduction of science PhDs	2016
	Tutor, Michigan Science Learning Center Tutored math at a drop-in tutoring center at the University of Michigan	2009
	Guest Lecturer, State College area high school Taught recreational mathematics to high school students	2008
PROGRAMMING	C, MATLAB, L ^A T _E X.	
LANGUAGES	English (native) German (intermediate)	