

Aaron Calderon

Yale University
Department of Mathematics
PO Box 208283
New Haven, CT 06520

Email: aaron.calderon@yale.edu
Website: aacalderon.com
Mobile: (402) 350-4827
U.S. Citizen

Education

- Yale University**, New Haven, CT 2016 –
Ph.D. Student in Mathematics
Lang Fellowship
- The University of Nebraska–Lincoln**, Lincoln, NE 2016
B.S. in Mathematics, minor in Philosophy, University Honors Program
Highest Distinction, Phi Beta Kappa, Chair’s Prize for Mathematics

Other Educational Experiences

- The Independent University of Moscow**, Moscow, Russia Spring 2015
Math in Moscow
AMS Math in Moscow Scholarship, Diploma with Distinction
- The Pennsylvania State University**, University Park, PA Fall 2013
Mathematics Advanced Study Semesters
MASS Fellowship, Diploma with Distinction

Honors & Awards

- NSF Graduate Research Fellowship 2016–2022
Barry Goldwater Scholar 2015
Dean H. and Floreen G. Eastman Scholarship 2012–2016

Publications

Volume and determinant densities of rational links

(with C. Adams, X. Jiang, A. Kastner, G. Kehne, N. Mayer and M. Smith)
J. Knot Theory and its Ramifications **26** (2017), No. 1 1750002

Conjugacy geodesics of Coxeter groups

(with S. Hermiller and T. Susse)
In Preparation.

Generalized bipyramids and hyperbolic volume of tiling links in thickened surfaces

(with C. Adams, X. Jiang, A. Kastner, G. Kehne, N. Mayer and M. Smith)
In Preparation. Preprint available at arXiv:1603.03715

Selected Presentations

INVITED TALKS

- Tufts Geometric Group Theory and Topology Seminar** (Upcoming) February 2017
William Jewell College KME Colloquium November 2014

CONTRIBUTED TALKS

Topology Students Workshop , Georgia Tech	June 2016
AMS Special Session in Topological and Smooth Dynamics , North Dakota State University	April 2016
Undergraduate thesis defense , University of Nebraska–Lincoln	March 2016
AMS–MAA Joint Meetings Poster Session , Seattle (with N. Mayer) Outstanding Student Presenter	January 2016
Univ. of Nebraska–Lincoln Groups, Semigroups and Topology Seminar	October 2015
Univ. of Nebraska–Lincoln Groups, Semigroups and Topology Seminar	December 2014
SUMS , James Madison University (with S. Fairchild)	September 2013
MASSfest , Penn State (with S. Fairchild, S. Simon)	August 2013

Undergraduate Research Experience

Undergraduate Research , The University of Nebraska–Lincoln NSF grant DMS–1313559, Nebraska UCARE grant Research in geometric group theory under the direction of Professor Susan Hermiller	2014–2016
SMALL REU , Williams College Research in hyperbolic knot theory under the direction of Professor Colin Adams	2015
Penn State REU , Penn State University Research on lattice tilings under the direction of Professor Viorel Nitica	2013

Teaching Experience

Yale University

Coach (assigned group tutor), Math 120 Calculus 3 Fall 2016

The University of Nebraska–Lincoln

Teaching assistant, Math 106 Calculus 1 Spring 2016

Teaching assistant, Math 106 Calculus 1 Fall 2015

Teaching assistant, Math 208 Calculus 3 Fall 2014

Service

Actor in Mathematically Bent Theater, AMS-MAA Joint Meetings. Played the roles of Mathematicus in <i>Mathematicus</i> and Cratchitch in <i>A Pi Day Carol</i> .	January 2016
Univ. of Nebraska–Lincoln Academic Program Review student representative	2015
Pi Mu Epsilon National Mathematics Honorary Society	2012–2016