Cass Sherman

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EDUCATION

The University of North Carolina at Chapel Hill, North Carolina, USA

- Doctor of Philosophy (Ph.D.) in Pure Mathematics — Aug 2011 – May 2016
  - Thesis: Weight Stretching in Moduli of Parabolic Bundles and Quiver Representations
  - Adviser: Professor Prakash Belkale
  - Research Areas: Algebraic geometry, representation theory

Drew University, Madison, New Jersey, USA

- Bachelor of Arts (B.A.) in Pure Mathematics — Jan 2006 – May 2010
  - Cumulative GPA: 4.00 / 4.00

EMPLOYMENT

Oklahoma State University, Oklahoma, USA

- Visiting Assistant Professor (Postdoc) — Aug 2016 – Present
  - A research and teaching position with a 12 credit hour teaching load per year.

PREPRINTS

C. Sherman, "Geometric Proof of a Conjecture of King, Tollu, and Toumazet," http://www.arxiv.org/abs/1505.06551, Jun 2015.

C. Sherman, "Quiver Generalization of a Conjecture of KTT," (Accepted - J. Algebra) http://arxiv.org/abs/1603.05626 Mar 2016

TALKS GIVEN

"Stretched Littlewood-Richardson Coefficients," in UNC GMA Visions Seminar — Mar 2015
"Weight Stretching and Algebraic Geometry," in OK State Lie Groups Seminar — Oct 2016
"_____," in University of Oklahoma Algebra Seminar — Nov 2016
"Representations and Littlewood-Richardson Numbers," in OK State Graduate Seminar — Nov 2016

TEACHING

HONORS

- Winner of J. Burton Linker Award for Excellence in Teaching — May 2016

COURSES TAUGHT (AS INSTRUCTOR OF RECORD)

- Math 2144 - Calculus I (at OK State) — Fall 2016
- Math 233 - Calculus of Functions of Several Variables — Fall 2015
- Graduate Geometry/Topology for Comprehensive Exam — Summer 2015
- Math 381 - Discrete Mathematics — Summer 2015
- Math 232 - Calculus of Functions of One Variable II — Spring 2015
- Math 232 - Calculus of Functions of One Variable II — Fall 2014
- Math 130 - Precalculus Mathematics — Fall 2014
- Math 231 - Calculus of Functions of One Variable I — Spring 2014
- Math 119 - Introduction to Mathematical Modeling — Fall 2013
- Math 232 - Calculus of Functions of One Variable II — Spring 2013
- Math 232 - Calculus of Functions of One Variable II — Fall 2012

COURSES ASSISTED

- Math 677 - Graduate Groups, Representations, and Fields — Spring 2016
- Math 676 - Graduate Linear Algebra — Fall 2014
- Math 547 - Linear Algebra for Applications — Spring 2013
- Math 534 - Elements of Modern Algebra — Spring 2012

CODING

Python, LiE