Curriculum Vitae

Kyle Chapman University of California: Santa Barbara (805) 990-1035 klchapman@math.ucsb.edu

Research Interests

Braid Theory, Topological Knot Theory, Geometric Knot Theory, Planar Algebras, Subfactors, Combinatorics, Game Theory

Education

University of California: Santa Barbara

September 2009 - Present PhD Mathematics Masters awarded 2011 Emphasis in Algebraic Topology Advisor: Stephen Bigelow

California Polytechnic State University: San Luis Obispo

September 2006 - June 2009 B.S. Mathematics Senior Thesis: An Alternate Algorithm for Fully Solving Matrix Games in Better Expected Time

Teaching Experience

Teaching Associate: University of California: Santa Barbara

Summer 2013:Methods of ProofSummer 2012:Calculus I with Applications

Teaching Assistant: University of California: Santa Barbara

Winter	2014:	Calculus for Social Sciences
Fall	2013:	Linear Algebra with Applications
Spring	2013:	Calculus for Social Sciences II
Winter	2013:	Methods of Proof
Fall	2012:	Methods of Proof
Spring	2012:	Calculus with Applications II
Winter	2012:	Abstract Algebra
Fall	2011:	Linear Algebra with Proofs
Summer	2011:	Calculus for Social Sciences II
Spring	2011:	Vector Calculus II
Winter	2011:	Differential Equations and Linear Algebra
Winter	2011:	Vector Calculus II
Fall	2010:	Methods of Proof
Summer	2010:	Calculus with Applications

- Spring 2010: Calculus with Applications
- Winter 2010: Calculus for Social Sciences
- Fall 2009: Calculus for Social Sciences

Teaching Assistant: California Polytechnic State University: San Luis Obispo

January 2008 - June 2009: Calculus, Combinatorics, Analysis

Mathematics Tutor: California Polytechnic State University: San Luis Obispo

January 2008 - June 2009

Awards and Honors

Department of Mathematics Outstanding Teaching Assistant Award

2014: Award for excellence in Teaching within the Mathematics Dapartment at UCSB

Department of Mathematics Graduate Student Research Grant

Summer 2014: Grant to provide funding during period of research

Ralph E. Weston Memorial Award

2008 and 2009: Highest Putnum exam score at California Polytechnic State University: San Luis Obispo

Seminar Talks

January 2014	An Alternative to the Shapley-Snow Algorithm for Completely Solving Matrix Games		
	Combinatorics and Discreet Geometry Seminar: University of California Santa Barbara		
October 2013	Combinatorial Games and Construction of Surreal Numbers		
	Combinatorics and Discreet Geometry Seminar: University of California Santa Barbara		
June 2013	A Diagramatic Presentation for the \tilde{E}_8 planar algebra		
	Advancement Talk: University of California Santa Barbara		
December 2010	pological Games and the Axiom of Determinancy		
	Graduate Student Topology Seminar: University of California Santa Barbara		

Conferences Attended

2014 NCGOA Spring Institute Funding Provided by Conference

Additional Qualifications

Accepted into Mensa in 2006 Experience writting in Latex Experience programming in Python, C, and Java