

Yi Su

CONTACT INFORMATION	Department of Mathematics University of Michigan 530 Church Street Ann Arbor, MI, USA, 48104	(734)276-8884 yisu@umich.edu http://www-personal.umich.edu/~yisu/
RESEARCH INTERESTS	Algebraic combinatorics, representation theory.	
EDUCATION	Department of Mathematics, University of Michigan Ph.D. Candidate, Mathematics (expected May 2015) <ul style="list-style-type: none">• Dissertation Topic: Mirror symmetric electrical networks and type B electrical Lie theory,• Advisor: Thomas Lam. Faculty of Mathematics, University of Waterloo BMath, Mathematics, May 2009 <ul style="list-style-type: none">• Graduate with distinction, on Dean's Honours List,• Double major in Pure Mathematics and Combinatorics & Optimization.	
HONORS AND AWARDS	2010–2013	Ben Dushnik Award, and Graduate Fellowship Department of Mathematics, University of Michigan,
	2009	Fejer/Aczel Mathematics Scholarship Faculty of Mathematics, University of Waterloo,
	2007-2009	Senate Scholarship Faculty of Mathematics, University of Waterloo.
PUBLICATIONS	Y. Su, <i>Mirror Symmetric Electrical Networks and Type B Electrical Lie Theory</i> , in preparation (to be appeared in 2015), Y. Su, <i>Electrical Lie Algebra of Classical types</i> , preprint, Arxiv:1410.1188, Y. Su, <i>Electrical Networks, Electrical Lie Algebra, and Lie Groups of Finite Dynkin Type</i> (extended abstract), Proceedings of 26 th International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2014), P. Gao, Y. Su, and N. C. Wormald, <i>Induced Subgraphs in Sparse Random Graphs with Given Degree Sequence</i> , European Journal of Combinatorics, 33(6), 1142–1166 (2012), Y. Su and D. G. Wagner, <i>The Lattice of Integer Flows of a Regular Matroid</i> , Journal of Combinatorial Theory Series B, 100(6), 691-703 (2010), R. Jain, A. Nayak, Y. Su, <i>A Separation between Divergence and Holevo Information for Ensembles</i> , Proceedings of the 5 th International Conference on Theory and Application of Models of Computation, Lecture Notes in Computer Science, 4978, 526-541 (2008).	
CONFERENCE TALKS	<i>Electrical Networks and Electrical Lie theory</i> , Graduate Student Combinatorics Conference 2013, University of Minnesota (April 2013).	

OTHER TALKS *Electrical Networks and Electrical Lie algebras of classical Lie type*, Combinatorics Seminar, University of Minnesota Twin City (February 2015),

Electrical Networks and Electrical Lie algebras of classical Lie type, Algebra-Combinatorics Seminar, Central Michigan University (January 2015),

Electrical Networks and Electrical Lie algebras of classical Lie type, Algebra-Geometry-Combinatorics Seminar, University of Illinois at Urbana-Champaign (December 2014),

Electrical Networks and Electrical Lie algebras of classical Lie type, Combinatorics Seminar, University of Michigan (March 2014),

Electrical Networks, Electrical Lie Group and Lie Algebra, Student Combinatorics Seminar, University of Michigan (January 2014),

Dimino Tableaux, Student Combinatorics Seminar, University of Michigan (Oct 2013).

CONFERENCE POSTERS *Electrical networks, electrical Lie algebras and Lie groups of finite Dynkin type*, International Conference on Formal Power Series and Algebraic Combinatorics (FPSAC 2014), DePaul University (June 2014).

TEACHING EXPERIENCE Fall 2014 Teaching Assistant, Multivariable Calculus,
 Fall 2013 Teaching Assistant, Multivariable Calculus,
 Fall 2012 Teaching Assistant, Multivariable Calculus,
 Winter 2012 Lecturer, Calculus I,
 Fall 2011 Lecturer, Calculus I,
 Winter 2011 Lecturer, Calculus II,
 Fall 2010 Lecturer, Calculus I,
 Winter 2010 Lecturer, Calculus I,
 Fall 2009 Lecturer, Precalculus.

GRADUATE COURSEWORK Differential Manifold Algebraic Number Theory
 Lie Algebra Representations Complex Analysis
 Symmetric Functions Coxeter Groups and Root Systems
 Algebraic Topology Geometric Representation Theory
 Algebraic Geometry Schubert Calculus

RELEVANT SKILLS Languages: English, Mandarin Chinese.

REFERENCES **Thomas Lam**, Professor of Mathematics, University of Michigan, (734)763-5034, tfylam@umich.edu.