

Richard Rast

CONTACT INFORMATION	University of Maryland Department of Mathematics 4176 Campus Drive College Park, MD 20742 USA	(850)830-0284 richard.rast@gmail.com http://www.math.umd.edu/~rastr
RESEARCH INTERESTS	Logic, specifically model theory. In particular, the Borel complexity of isomorphism for countable models of first-order theories, and related areas.	
EDUCATION	University of Maryland Ph.D., Mathematics (expected May 2016) Thesis: The Complexity of Isomorphism for Some First-Order Theories Advisor: Michael C. Laskowski M.A., Mathematics, May 2012 Dickinson College B.S., Mathematics & Computer Science, May 2009	
UPCOMING PUBLICATIONS	D. Ulrich, C. Laskowski, R. Rast, <i>A New Notion of Cardinality for Countable First-Order Theories</i> (submitted October 2015). R. Rast, <i>The Borel Complexity of Isomorphism for Theories of Linear Orders</i> , Archive of Mathematical Logic (to appear). R. Rast, D. Sahota, <i>The Borel Complexity of Isomorphism for O-Minimal Theories</i> , Journal of Symbolic Logic (to appear).	
SELECTED TALKS	<i>Potential Cardinality</i> , Rutgers Model Theory Seminar (April 2016). Invited talk. <i>Potential Cardinality</i> , AMS Western Sectional Meeting (April 2016). Invited talk. <i>Potential Cardinality</i> , Penn State Logic Seminar (March 2016). Invited talk. <i>Potential Cardinality</i> , CUNY Model Theory Seminar (March 2016). Invited talk. <i>A New Notion of Cardinality for First Order Theories</i> , Notre Dame Logic Seminar (December 2015). Invited talk. <i>The Borel Complexity of Some Ordered Theories</i> , The Second Vaught's Conjecture Conference, University of California at Berkeley (June 2015). Invited talk. <i>Countable Model Theory and the Complexity of Isomorphism</i> , Model Theory Seminar, City University of New York (November 2014). Invited talk. <i>Borel Complete O-Minimal Theories</i> , ASL North American Meeting (May 2014). Contributed talk.	
ORGANIZATIONAL EXPERIENCE	<i>Student Logic Seminar</i> at the University of Maryland, Organizer , Fall 2012 through Spring 2016.	

RIT on Number Theory and Logic at the University of Maryland, **Organizer**, Spring 2013.

TEACHING EXPERIENCE	Introduction to Proof	Lecturer	Sp 2016, Fa 2015, Sp 2014
	Introduction to Analysis	Lecturer	Fa 2013, Su 2013
	Calculus III	Teaching Assistant	Sp 2015, Fa 2014, Fa 2012, Sp 2012
	Calculus II	Teaching Assistant	Sp 2013, Sp 2010
	Elementary Statistics	Lecturer	Fa 2011
	Elementary Calculus	Lecturer	Fa 2010
	Elementary Calculus	Teaching Assistant	Fa 2009

RECENT HONORS AND AWARDS	2016	James C. Alexander Prize for Graduate Research in Mathematics
	2015	Winner, Spotlight on Graduate Research
	2015	Aziz/Osborn Gold Medal in Teaching Excellence
	2014	Mark E. Lachtman Fellowship
	2010	Gold Medal in Teaching Excellence

THESIS ADVISOR	Michael C. Laskowski Professor Department of Mathematics University of Maryland College Park, Maryland, 20742 (301) 405-5336 mcl@math.umd.edu
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RESEARCH REFERENCES	David Marker Professor Department of Mathematics University of Illinois at Chicago 851 S. Morgan St. (M/C 249) Chicago, IL 60607-7045 (312) 996-3069 marker@uic.edu
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TEACHING REFERENCE	Denny Gulick Professor Department of Mathematics University of Maryland College Park, Maryland, 20742 (301) 405-5157 dng@math.umd.edu
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