

## Richard Rast

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CONTACT INFORMATION	University of Maryland Department of Mathematics 4176 Campus Drive College Park, MD 20742 USA			(850)830-0284 richard.rast@gmail.com <a href="http://www.math.umd.edu/~rastr">http://www.math.umd.edu/~rastr</a>
RESEARCH INTERESTS	Logic, specifically model theory. In particular, the Borel complexity of isomorphism for countable models of first-order theories, and related areas.			
EDUCATION	<b>University of Maryland</b> 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  <b>Dickinson College</b> B.S., Mathematics & Computer Science, May 2009			
UPCOMING PUBLICATIONS	R. Rast, <i>The Complexity of Isomorphism for eni-shallow, eni-NDOP, <math>\aleph_0</math>-stable Theories</i> , in preparation.  R. Rast, <i>The Borel Complexity of Isomorphism for Theories of Linear Orders</i> (submitted October 2015).  D. Ulrich, C. Laskowski, R. Rast, <i>A New Notion of Cardinality for Countable First-Order Theories</i> (submitted October 2015).  R. Rast, D. Sahota, <i>The Borel Complexity of Isomorphism for O-Minimal Theories</i> , Journal of Symbolic Logic (to appear).			
SELECTED TALKS	<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.			
TEACHING EXPERIENCE	Introduction to Proof	Lecturer	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	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	<b>Michael C. Laskowski</b> Professor Department of Mathematics University of Maryland College Park, Maryland, 20742 (301) 405-5336 mcl@math.umd.edu
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LOCAL REFERENCE	<b>Lawrence C. Washington</b> Professor and Graduate Director Department of Mathematics University of Maryland College Park, Maryland, 20742 (301) 405-5059 lcw@math.umd.edu
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RESEARCH REFERENCES	<b>David Marker</b> 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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	<b>Alexei Kolesnikov</b> Associate Professor Department of Mathematics Towson University 8000 York Rd, Towson, MD, 21252 (410) 704-3504 akolesnikov@towson.edu
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TEACHING REFERENCE	<b>Denny Gulick</b> Professor Department of Mathematics University of Maryland College Park, Maryland, 20742 (301) 405-5157 dng@math.umd.edu
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