

TROY RETTER

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EDUCATION

Doctor of Philosophy in Mathematics

Emory University 2011-2016
advisor: Vojtěch Rödl

Bachelor of Science in Mathematics

Barrett Honor College at Arizona State University 2007-2011
honors thesis with Andrzej Czygrinow

Budapest Semesters in Mathematics

Budapest, Hungary 2010

PUBLICATIONS

On generalized Ramsey numbers of Erdős and Rogers

Journal of Combinatorial Theory Series B 2014
with A. Dudek and V. Rödl

Ramsey-type numbers involving graphs and hypergraphs with large girth

LAGOS-2015 2015
with H. Hiep, V. Rödl, and M Schacht

How to Make the Perfect Fireworks Display: Two Strategies for Hanabi

Mathematics Magazine 2015
with C. Cox, J. DeSilva, F. Kenter, P. DeOrsey, J. Tobin

Increasing Paths in Edge-Ordered Graphs:

The Hypercube and Random Graph

The Electronic Journal of Combinatorics 2015
with J. De Silva, T. Molla, F. Pfender, M. Tait

The game chromatic number of trees and forests

Discrete Mathematics & Theoretical Computer Science 2015
with C. Dunn, V. Larsen, K. Lindke, D. Toci

An upper bound for the size of a k -uniform intersecting family with covering number k

Journal of Combinatorial Theory, Series A 2017
with A. Arman

On some Folkman-type numbers

Combinatorics, Probability and Computing submitted
with H. Hiep, V. Rödl, M Schacht

The size Ramsey number of short subdivisions of bounded degree graphs

Random Structures and Algorithms submitted
with Y. Kohayakawa and V. Rödl

Graphs with a low minimum degree minimal Ramsey graph

with J. Fox, A. Grinshpun, A. Liebenau, Y. Person, T. Szabo in prep.

INSTRUCTOR OF RECORD

Calculus I at Emory	Fall 2012, Fall 2013, Spring 2014, Fall 2015
Calculus II at Emory	Spring 2015, Spring 2016
Probability and Statistics at Emory	Spring 2013, Fall 2014
Linear Algebra at NAIS International Schools	Summer 1017
Probability and Statistics at NAIS International Schools	Summer 2017

SERVICE

Emory Graduate Math and CS Organization Elected President	2015-2016
Journal Reviews Many articles for various journals	2013-present
Atlanta Math Circles Lecturer	2014-2016
Emory Visiting Student Guide	2014-2016

HONORS AND AWARDS

- Graduate student research award nominee
- Grant supported research in Prague
Summer 2013, Summer 2014, Summer 2015
- *National Science Foundation* funding recipient
- J P Morgan Chase Scholar (\$1,000 award to top ASU Economics students)
- Budapest Semesters in Mathematics Competition Winner
- ASU President's Scholar
- Arizona Byrd Scholar

OTHER

Sailing Director <i>Towering Pines Camp</i> in Eagle River WI	June-August 2005-2008
Emory Water Polo 2015 captain, division III nationals competitor	2013-2016
ASU Club Tennis Founding member, singles Captain	2009-2011