

CURRICULUM VITAE

NOAH STREIB

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EDUCATION

- Georgia Institute of Technology Atlanta, GA 2006—2012
Ph.D. student in Algorithms, Combinatorics, and Optimization; home in Mathematics
Dissertation: Planar and Hamiltonian Cover Graphs, defended on Nov. 18, 2011
Graduation date: May 4, 2012
Advisor: William T. Trotter
Minor: Discrete Optimization
- Oberlin College Oberlin, OH 2002—2006
B.A. in Mathematics
Graduated with High Honors
Minor: Economics
Phi Beta Kappa
- Budapest Semesters in Mathematics Budapest, Hungary Spring 2005

JOURNAL PUBLICATIONS

Published/Accepted/To Appear

- N. Streib, S. J. Young, and J. Sokol. *A major league baseball team uses operations research to improve draft preparation*. *Interfaces—Analytics in Sports* (2011), accepted.
- L. Postle, N. Streib, and C. Yegerer. *Pebbling graphs of diameter three and four*, *J. Graph Theory* (2011), to appear.
- N. Streib. *Dimension preserving contractions and a finite list of 3-irreducible posets*, *Order* **29** no. 1 (2012), 165–176.
- M. T. Keller, Y.-H. Shen, N. Streib, and S. J. Young. *On the Stanley depth of squarefree Veronese ideals*, *J. Algebr. Comb.* **33** no. 2 (2011), 313–324.
- M. T. Keller, N. Streib and W. T. Trotter, *Online linear discrepancy of partially ordered sets*, in *An Irregular Mind*, Szemerédi is 70, I. Bárány and J. Solymosi, eds., Bolyai Society Mathematical Studies, **21** (2010), 343–357.

- D. M. Howard, R. Shull, N. Streib, and A. Trenk. *The total linear discrepancy of an ordered set*, Disc. Math. **310** no. 5 (2010), 1022–1025.
- J. Muntz, S. Narayan, K. Van Ochten, and N. Streib. *Optimal pebbling of graphs*, Disc. Math. **307** no. 17-18 (2007), 2315–2321.

Submitted

- N. Streib and W. T. Trotter, *Dimension and height for posets with planar cover graphs*, Euro. J. of Comb., submitted.
- N. Chenette, L. Postle, N. Streib, R. Thomas, and C. Yerger. *Five-coloring graphs on the Klein bottle*, J. Combin. Theory Ser. B (2011), submitted.

In Preparation

- N. Streib and W. T. Trotter, *Hamiltonian cycles and symmetric chains in Boolean lattices*, in preparation.
- N. Streib and S. J. Young, *Dimension and structure for a poset of graph minors*, in preparation.

PUBLICATIONS IN CONFERENCE PROCEEDINGS

- L. Postle, N. Streib, C. Yerger. *Pebbling graphs of diameter three and four*. European Conference on Combinatorics, Graph Theory and Applications (EuroComb 2009), 21–28, Electron. Notes Discrete Math., 34, Elsevier Sci. B. V., Amsterdam, 2009, 05C85.
- N. Chenette, L. Postle, N. Streib, R. Thomas, C. Yerger; K. Kawarabayashi, D. Král', J. Kynčl, B. Lidický. *Six-critical graphs on the Klein bottle*. The International Conference on Topological and Geometric Graph Theory, 235–240, Electron. Notes Discrete Math., 31, Elsevier Sci. B. V., Amsterdam, 2008, 05C10.

TEACHING

- Lead Instructor
My duties here are identical to those of a tenured professor teaching the same course, including: crafting presentations of course material, designing the syllabus, choosing a textbook, assigning homework, creating quizzes/exams, grading, holding office hours, etc.
 - Math 3012, Applied Combinatorics, spring 2012, 55 students
 - Math 3012, Applied Combinatorics, summer 2011, 35 students
 - Math 3012, Applied Combinatorics, summer 2010, 35 students
 - Math 2602, Linear and Discrete Mathematics, fall 2009, 114 students
 - Math 2602, Linear and Discrete Mathematics, summer 2009, 50 students
- Teaching Assistant
My duties here include: leading recitation sections twice a week, grading, holding office hours, and providing a buffer between the students and the lead instructor.
 - Math 2602, Linear and Discrete Mathematics — 6 times
 - Math 2605, Calculus III for Computer Science — 3 times

- Math 1501, Calculus I — 2 times
- Math 1113, Precalculus — 1 time
- Panel member for “Orientation to Teaching at Georgia Tech: A Workshop for Temporary Part-Time Faculty” — January 2012
- Group leader at a TA Development Seminar — October 2010
- Seven semesters working in Georgia Tech’s Mathlab

AWARDS

- Graduate
 - 2011 School of Math departmental nominee for the CETL/BP Outstanding TA Award as a lead instructor, the Institute’s highest honor for GTAs
 - Robert Price Fellowship from the School of Mathematics, 2006
 - Research assistantships: Summer 2007, Spring 2009, Spring 2010, Spring 2011, Fall 2011
- Undergraduate
 - Rebecca Cary Orr Memorial Prize in Mathematics from the Oberlin College Department of Mathematics, 2006
 - Graduated with High Honors
 - Phi Beta Kappa
 - Sigma Xi
 - 2005 AAAS student poster winner in the category Information, Math, and the Internet.
 - Norman J. Goldring Scholar-Athlete Award from the Oberlin College Department of Athletics for outstanding academic achievement, 2006

PRESENTATIONS

- Joint Mathematics Meetings, *Hamiltonian Cycles and Symmetric Chain Partitions in Boolean Lattices*. Contributed talk, Boston, Massachusetts, January 2012.
- EuroComb’11, *Dimension and Height for Posets with Planar Cover Graphs*. Contributed talk, Budapest, Hungary, August 2011.
- SIAM DM, *Planar Posets and Planar Graphs*. Invited talk, Austin, Texas, June 2010.
- Graph Theory Seminar, Georgia Tech, *Five-Coloring Graphs on the Klein Bottle*. Invited talk, Atlanta, Georgia, April 2008.

POSTERS

- *Online Algorithms for the Linear Discrepancy of a Poset*, FOCS&ACO, October 2009.
- *5-Coloring Graphs on the Klein Bottle*, New Directions in ACO, Georgia Tech., May 2008.

REFEREEING

- Order
- *Discussiones Mathematicae Graph Theory*