

Noah Prince

Curriculum Vitae

nprince@imsa.edu
staff.imsa.edu/~nprince
(217) 721-6975

Department of Mathematics
Illinois Mathematics & Science Academy
1500 W. Sullivan Rd.
Aurora, IL 60506

EDUCATION

Ph.D., Mathematics	Univ. of Illinois at Urbana-Champaign	May 2008
M.A., Mathematics	Univ. of Illinois at Urbana-Champaign	May 2007
B.S., Mathematics	Univ. of Illinois at Urbana-Champaign	May 2004
Diploma	Normal Community H.S., Normal, IL	May 2002

RESEARCH INTERESTS

Extremal and Probabilistic Combinatorics, Graph Theory, Theoretical Computer Science

PUBLICATIONS

- [1] A.V.KOSTOCHKA AND N.PRINCE. *On $K_{s,t}$ -minors in graphs with given average degree.* (accepted to Discrete Mathematics)
- [2] H.LIU, R.MORRIS, N.PRINCE. *Highly Connected Monochromatic Subgraphs of Multicoloured Graphs.* (accepted to Journal of Graph Theory)
- [3] H.LIU, R.MORRIS, AND N.PRINCE. *Highly Connected Subgraphs of Multicoloured Graphs.* (accepted to Discrete Mathematics)
- [4] E.W.CHAMBERS, W.KINNERSLEY, N.PRINCE, D.B.WEST. *Extremal Problems for Roman Domination.* (submitted)
- [5] E.W.CHAMBERS, W.KINNERSLEY, N.PRINCE. *Mobile Eternal Security in Graphs.* (submitted)
- [6] N.PRINCE. *Thresholds for Roman Domination.* (manuscript)
- [7] J.BALOGH AND N.PRINCE. *Minimum Difference Representations of Graphs.* (submitted)
- [8] N.PRINCE. *Nordhaus-Gaddum Bounds for k -Domination in Graphs.* (submitted)

- [9] T.D.LESAULNIER, N.PRINCE, P.S.WENGER, D.B.WEST, P.WORAH. *Acquisition in Graphs*. (in preparation)

PRESENTATIONS

- *Undergrad Math Conference*, Rose-Hulman Institute of Technology, Terra Haute, IN, March 2003
- *16th Cumberland Combinatorics Conference*, Georgia Institute of Technology, Atlanta, GA, May 2003
- *Combinatorics Seminar*, Univ. of Illinois, Urbana, IL, September 2003
- *Undergrad Math Conference*, Rose-Hulman Institute of Technology, Terra Haute, IN, March 2004
- *Combinatorics Seminar*, Eidgenössische Technische Hochschule (ETH), Zürich, Switzerland, May 2004
- *Combinatorics Seminar*, Univ. of Memphis, Memphis, TN, December 2004
- *Combinatorics Seminar*, Univ. of Illinois, Urbana, IL, March 2005
- *Combinatorics Seminar*, Univ. of Memphis, Memphis, TN, March 2005
- *Discrete Math Seminar*, Illinois State Univ., Normal, IL, February 2006
- *Combinatorics Seminar*, Univ. of Illinois, Urbana, IL, March 2006
- *19th Cumberland Combinatorics Conference*, East Tennessee State Univ., Johnson City, TN, May 2006
- *20th Cumberland Combinatorics Conference*, Emory University, Atlanta, GA, May 2007
- *Combinatorics Seminar*, Univ. of Illinois, Urbana, IL, October 2007
- *AMS Sectional Meeting # 1038*, Indiana University, Bloomington, IN, April 2008

TEACHING EXPERIENCE

UIUC

Math 231: Calculus 2	Teaching Assistant	Fall 2005
Math 242: Calculus 3	Teaching Assistant	Spring 2006
Math 231: Calculus 2	Teaching Assistant	Fall 2006
Math 231: Calculus 2	Instructor	Summer 2007
Math 231: Calculus 2	Merit Teaching Assistant	Fall 2007

IMSA

MAT 121: Math Investigations 2	Instructor	Fall 2008
MAT 311: BC Calculus 1	Instructor	Fall 2008

EMPLOYMENT

- **Teacher**, Illinois Mathematics and Science Academy, *August 2008-present*
- **Fellow**, Dept. of Mathematics, Univ. of Illinois, *Spring 2008*
- **Teaching Assistant**, Univ. of Illinois, Urbana, IL, *Fall 2005-Fall 2007*
- **Research Assistant**, Univ. of Illinois, Urbana, IL, *Spring 2007*
- **Van Vleet Fellow**, Univ. of Memphis, Memphis, TN, *Fall 2004-Spring 2005*

HONORS

- DEAN'S LIST, JAMES SCHOLAR, CUM LAUDE, Univ. of Illinois,
- GRADUATED WITH HIGHEST DISTINCTION, Dept. of Mathematics, Univ. of Illinois, *Spring 2004*
- H.R. BRAHANA PRIZE FOR OUTSTANDING GRADUATING SENIOR, Dept. of Mathematics, Univ. of Illinois, *Spring 2004*
- VAN VLEET FELLOW, Univ. of Memphis, *Fall 2004-Spring 2005*
- NAMED TO INCOMPLETE LIST OF TEACHERS RANKED EXCELLENT BY THEIR STUDENTS WITH OUTSTANDING RATINGS, Univ. of Illinois,, *Spring 2006*
- NAMED TO INCOMPLETE LIST OF TEACHERS RANKED EXCELLENT BY THEIR STUDENTS, Univ. of Illinois, *Fall 2006*
- RESEARCH ASSISTANT FOR CAMPUS RESEARCH BOARD, Univ. of Illinois, *Spring 2007*
- PARKER AND SCHARK FELLOW, Department of Mathematics, Univ. of Illinois, *Spring 2008*

PROFESSIONAL ACTIVITIES

Referee for journals *Combinatorics, Probability, and Computing; Order; Discrete Mathematics*