

MATTHEW M. MENZEL, PH.D.
Curriculum Vitae

Marietta College
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EDUCATION

- Ph.D., Mathematics, University of Kentucky, May 2004.
- M.A., Mathematics, University of Kentucky, May 2000.
- B.A., Mathematics, Coe College, Cedar Rapids, IA, May 1998.
Minor: Computer Science
Magna Cum Laude

RESEARCH INTERESTS

Polytopes, Graph Theory

TEACHING EXPERIENCE

1998-2004 *Teaching Assistant, University of Kentucky Department of Mathematics*
Primary Instructor of

- Calculus I
- Calculus II
- Calculus III
- Matrix Algebra and Its Applications
- Introduction to Contemporary Mathematics
- Intermediate Algebra
- College Algebra
- Analytic Geometry and Trigonometry
- Finite Mathematics
- Elementary Calculus and Its Applications (Web-Based Course)

Conducted Recitations for

- Calculus I
- Calculus II

MathExcel for Calculus I Workshop Leader

WORK EXPERIENCE

Summer 1997 *Grant Assistant, Coe College*
Assisted with the development of web-pages for a basic statistics course, in conjunction with a teaching grant.

Summer 1996 *Computer Science Intern, John Deere, Moline, IL*
Participated in the John Deere Student Training Program. Translated FORTRAN modules into C. Gave a presentation at the end of the summer detailing the work accomplished.

1996-1997 *Departmental Assistant, Coe College*
Graded homework assignments. Conducted tutoring sessions open to students in all mathematics courses. Did various departmental work. Substitute taught.

TRAINING

Attended the Eleventh Annual Emerging Scholars Program Instructor Training Workshop at the University of Texas in Austin, TX (August 2003).

AWARDS AND HONORS

- Recipient of a *Daniel R. Reedy Quality Achievement Fellowship Award*, awarded by the Graduate School of the University of Kentucky (1998-2000).
- Recipient of the *C.J. Walter Award*, awarded by Coe College (1998) to the outstanding graduating student in mathematics or computer science.
- Phi Beta Kappa
- Phi Kappa Phi

MATHEMATICS CONFERENCES, PROGRAMS, AND PRESENTATIONS

- Will present at the Joint Mathematical Meetings in Phoenix, AZ (January 2004).
Topic: A Technique for Constructing Non-Simplicial Polytopes
- Attended the Combinatorial and Discrete Geometry Workshop at MSRI in Berkeley, CA (November 2003).
- Presented at the University of Kentucky Algebraic Combinatorics Seminar (October 2003).
Topic: A Technique for Constructing Non-Simplicial Polytopes
- Presented at the Spring KYMAA Meetings at Bellarmine University in Louisville, KY (April 2003).
Topic: The Flag f -vector and cd -index of a Polytope
- Presented at the University of Kentucky Algebraic Combinatorics Seminar (April 2002).
Topic: Kalai's 'Simple' Way To Tell a Simple Polytope From Its Graph
- Presented at the University of Kentucky Algebraic Combinatorics Seminar (November 2001).
Topic: The Tsetlin Library and its Generalization to Hyperplane Arrangements

COMPUTER SKILLS

- Have written code in Pascal, C, and Java.
- Have used MAPLE software in my research.
- Proficient with L^AT_EX.
- Minored in Computer Science as an undergraduate.

MEMBERSHIPS

- American Mathematical Society
- Mathematical Association of America

LANGUAGES

- German: reading knowledge

REFERENCES

- Dr. Carl Lee, thesis advisor
Department of Mathematics
University of Kentucky
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- Dr. Serge Ochanine
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- Dr. Margaret Readdy
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