

9:00–10:00	<i>Cancer Modeling: From the Classical to the Contemporary</i>		Oak
10:05–10:35	Trachette Jackson University of Michigan	High Order Compact Finite Difference Schemes	Elm
10:35–11:00	Melinda Koelling WMU	Jennifer Zhao University of Michigan–Dearborn	
Break Fireside Room			
11:00–11:20	W. Pine	Measures of Traceability in Graphs	Maple
11:25–11:45	Thomas Scofield Calvin College	Futaba Okamoto* WMU	
11:25–11:45	W. Pine	Some Results on the Detection Number of Graphs	Maple
11:50–12:10	Zhewei Dai Alma College	Henry E. Escudro* WMU	
11:50–12:10	Elm	Investigating Eccentric Digraphs	Maple
12:15–2:00	Farmer Ted Goes Natural: The Tale of a Good Undergraduate Research Problem	Matthew DeLong Taylor U & UM	Willow
Luncheon Willow			
<i>Rearranging the Alternating Harmonic Series</i>			
Carl Cowen IUPUI			

2006 Joint Annual Meeting Michigan Section—MAA & MichMATYC

The 2006 Joint Annual Meeting of the Michigan Section of the Mathematical Association of America and MichMATYC, the Michigan Mathematical Association of Two-Year Colleges, will be held on Friday and Saturday, May 5 and 6, at Calvin College in Grand Rapids, Michigan.

Registration, exhibits, talks, lunches, and complimentary refreshments will all be held in the Prince Conference Center on the Calvin campus. The Awards Banquet on Friday evening will be held at Frederik Meijer Gardens and Sculpture Park, which is located approximately 3 miles north of campus along highway 37 (East Beltline). The AWM-WAM breakfast on Saturday morning will be held in the President's Dining Room at the Prince Center. Cost for this breakfast is included in the room rate for those who stay in the Prince Conference Center Hotel on Friday evening.

Advanced registration by April 21 is required for all scheduled meals. Registration can be done online (preferred) or by mailing the form on page 19. If mailing your registration, please mail your form in time to arrive by April 21, 2006. On site registration will be in the Prince Conference Center Hotel Lobby beginning at 8:00 am on Friday and at 8:30 am on Saturday.

Additional local arrangements information, including maps and driving directions can be found on pages 17–20 and on the back cover. A website with up-to-date information is available at

<http://www.michmaa.org/section2006/>

or by following a link from the Michigan Section MAA page.

Program Notes

Pages 2–4 contain an overview of this year's program. **Student talks** are indicated on this overview with an asterisk behind the speaker's name. **Abstracts** for all of the talks can be found on pages 5–16. A floor plan of the Prince Conference Center showing the locations of the rooms can be found on page 20.

Friday Program

9:00-9:10	Welcome Gaylen Byker, President, Calvin College		Oak
9:15-9:45	<i>The Mathematics of Referendum Elections</i> Jonathan Hodge GVSU		
9:55-10:15	W. Pine <i>Information and Rectangular Permutations</i> Paul J. Zwier Calvin College		9:55-10:15 Maple <i>Teaching a Course in Multiculturalism and Mathematics</i> Dale Winter U Michigan
10:15-10:45		Break Fireside Room	
10:45-11:15	Oak <i>The Collapse of The Tacoma Narrows Bridge</i> Kristen Moore University of Michigan	10:45-11:15 Elm <i>College Geometry with Sketchpad: Following in the steps of Apollonius</i> Nathalie Sinclair Michigan State University	Elm
11:25-11:45	W. Pine <i>The Sendov Conjecture and the Geometry of Polynomials</i> Matt Boelkins GVSU	11:25-11:45 Elm <i>Morphs of Polygons</i> Daniel Drucker Wayne State University	11:25-11:45 Maple <i>Interactive Activities for Lower Level Math Classes</i> Amy Hlavacek SVSU
11:50-12:10	W. Pine <i>A New and Interesting Subset of the Reals</i> John R. Stoughton Hope College	11:50-12:10 Elm <i>Morphs of Similar Polygons</i> Tom Zenger Saginaw Valley State University	11:50-12:10 Maple <i>Absolute Schur Algebras Over Banach Algebras</i> Jitti Rakbud* CMU
12:15-2:00	Luncheon <i>The Project SEED Socratic Method of Instruction</i> Daniel Mulligan Project SEED		Willow

Friday Program (cont.)

2:10-2:30	W. Pine <i>Mysterious 19 and the Hausdorff Metric Geometry</i> C. C. Blackburn* Andrews U/GVSU	2:10-2:30 Elm <i>College Geometry as an Online Course</i> Michael Dekker Ferris State U	2:35-2:55 Maple <i>Training Future Faculty</i> Mary Klamo and Paty Bonesteel Wayne State U
2:35-2:55	W. Pine <i>Green's Functions for Compact Bordered Riemann Surfaces</i> Cyrus Aryana SVSU	2:35-2:55 Elm <i>Zome Geometry Workshop</i> David Richter WMTU	3:00-3:20 Maple <i>Effects of Elaborate Contexts on Learning</i> Dale Winter and Matthew DeLong U Michigan
3:20-3:50		Break Fireside Room	
3:50-4:50	<i>Permutations, the Braid Group, and Garside Groups</i> Joan Birman Barnard College of Columbia University		
5:00-5:30	Business Meeting		Board Room
5:30-6:00	Liaison Meeting		Board Room
6:15-7:30	Social Hour		Meijer Gardens
7:30-10:00	Awards Dinner <i>ODE to Toys:</i> Michael Moody		Meijer Gardens
<i>Motivating Mathematics with Physical Models and Demonstrations</i> Franklin W. Olin College of Engineering			