

Program for the INMAA Fall Meeting
DePauw University
November 5, 2005

All activities will occur in the Julian Science and Mathematics Center.

Time	Event	Room Number
7:45 - 8:30	Registration	Atrium
8:00 - 3:00	MAA Book Sale	156
8:30- 8:45	Welcome to DePauw University	147
8:45 – 9:25	Medieval Arabic Algebra in Practice Jeff Oaks (University of Indianapolis)	147
9:00—11:00?	Graduate Student Workshop Andrew Ellett (DePauw University)	159

Parallel Session 1: Undergraduate Students

Time	Event	Room Number
9:30 – 9:50	Origami Folding and Ruled Straightedge Construction Rosanna Nafziger (Goshen College)	157
9:55—10:15	A Model of Social Security Laurel Fordice (Saint Mary of the Woods College)	157
10:20—10:40	Do Dogs Really Know Calculus? Eric Reyes (Rose Hulman Institute of Technology)	157
10:45—11:05	The Geometry of the Arms Race Sarah Cohen (Saint Mary of the Woods College)	157
11:10—11:30	Solving the Cubic Equation Darci Rector (Saint Mary of the Woods College)	157
11:35—11:55	How to Spread Rumors Fast Cassandra Freeman (Saint Mary of the Woods College)	157

Parallel Session 2

Time	Event	Location
9:30 – 9:50	On the Shape of a Cookie David Finn (Rose Hulman Institute of Technology)	151
9:55—10:15	Mathematical Cookies Hari Ravindran (Rose Hulman Institute of Technology)	151
10:20—10:40	Does the Wave Equation Really Work? Michael Karls (Ball State University)	151
10:45—11:05	Maximizing Social Interactions Rick Gillman (Valparaiso University)	151
11:10—11:30	Can I Expect to Win the Three Strikes Game? Paula Stickles (Indiana University)	151
11:35—11:55	Minimizing a Convex Function on a Convex Set Morteza Seddighin (Indiana University East)	151

Parallel Session 3

Time	Event	Location
9:30—9:50	Blackwork Embroidery and Algorithms for Maze Traversals Joshua Holden (Rose Hulman Institute of Technology)	152
9:55—10:15	Fast Algorithms for Counting Smooth Integers Scott Parsell (Butler University)	152
10:20—10:40	An Integral Technique for Evaluating Series Jim Lesko (Grace College)	152
10:45—11:05	Critical Points and Real Surfaces in Complex 2-Space Adam Coffman (IPFW)	152
11:10—11:30	Overview of a Technology Course for Pre-Service and In-Service Mathematics Teachers Joe Stickles (University of Evansville)	152
11:35—11:55	A Two-Semester Precalculus/ Calculus I Sequence: A Case Study Mike Axtell (Wabash College)	152
12:00—12:20	A NetLogo Simulation of Cheating in a Classroom Andrea McCloskey (Indiana University)	152

Afternoon Session

Time	Event	Location
12:00 - 1:20	Lunch	Atrium
1:30—2:30	The MAA American Mathematics Competitions: Easy Problems, Hard Problems, History and Outcomes Steve Dunbar (University of Nebraska)	147