Iowa Section

The seventy-fifth annual Iowa Mathematics meetings were held at Grinnell College, Grinnell, on April 15-16, 1988. The meetings were sponsored jointly by the Iowa Sections of the MAA and ASA. There were 76 registered participants.

Invited Addresses:

"Settling Questions of Shakespearean Authorship: Could Shakespeare have written a newly-discovered poem?", by Ronald Thisted, University of Chicago. (Supported by a grant from the Alfred P. Sloan Foundation).
"Gray Codes and Hamiltonian Graphs", by Herbert Wilf, University of Pennsylvania.
"A General Setting for Unique Representation of Integers", by Herbert Wilf, University of Pennsylvania.

Contributed Papers:

"Graph Supplements", by Milan Randić, Drake University.
"Isospectral Multigraphs", by Bernadette M. Baker, Drake University.
"Searching for Spheres in Four Dimensional Space", by Dennis Roseman, University of Iowa.
"Adjunct Functors in Algebraic Topology", by Catherine Gorini, Maharishi International University.
"Classes of Weighted Symmetric Functions", by Tan Cao Tran, Loras College.
"A Unified Field Chart for Abstract Algebra", by Maxwell Rainforth, Maharishi International University.
"Pedagogical Biases in the Calculus Classroom", by Reginald Laursen, Luther College.
"Leonardo Pisano (Fibonacci) and The Book of Squares: More Than a Single Sequence", by Michael Millar, University of Northern Iowa.
"Geometry and Invariant Theory", by Tuong Ton-That, University of Iowa.
"Estimating Census Undercount at National and Subnational Levels", by Noel Cressie, Iowa State University.
"Last Year's Applied Statistics Lectures Aren't Good Enough for This Year", by Jon H. Lemke, University of Iowa.
"Degrees of Freedom in Sparse Complete Contingency Tables", by Stephen Haslett, Iowa State University.
"Superadditive Functions and a Statistical Application", by Tim Wright, University of Iowa.
"Counting Words and the Clique Polynomial of a Graph", by Anita E. Solow, Grinnell College.
"On the Symmetry of Highly Symmetrical Graphs", by Theron Oxley, Drake University.
"Shuffled Toeplitz Matrices", by Luz M. DeAlba, Drake University.

Student Papers:

"Characteristics of a Tangent Line", by Veronique Ziegler, Maharishi International University.
"Buffon's Needles in 3-Space", by Richard Patz, Grinnell College.
"Relationships Between Music and Mathematics", by Mary Wetjen, Clarke College.
"Simplices, Euler Number, and Pascal's Triangle", by Paul M. Shimura, Maharishi International University.
"On Crossing Number for Select Graphs", by John Squires, Drake University.
"Search for Unusual Vertices in Graphs", by Paula Calkins, Drake University.
"Spectral Properties of Ulam's Subgraphs", by John Seal, Drake University.
"On Symmetry of Zero-Symmetric Graphs", by Chris Smith, Drake University.
"On Construction of Graphs", by Pat Horan, Drake University.

Business:

Student memberships were awarded to Richard Patz, Grinnell College, Mary Wetjen, Clarke College, and John Seal, Drake University for their presentations. Calvin Van Nieuw, Coe College, was elected Chair-Elect. The Secretary-Treasurer was designated as the liaison for the Membership Incentive Program.

David O. Oakland, Secretary-Treasurer