

Iowa Section

The seventy-third annual spring meeting of the Iowa Section was held on April 11-12, 1986 at the University of Iowa, Iowa City. A total of 72 persons attended the meeting..

Invited Addresses:

- "The Math Student's Computer Toolkit in the 1990's," by Eugene Herman, Grinnell College.
- "On Solving Certain Almost Block Diagonal Linear Systems," by Graeme Fairweather, University of Kentucky.
- "Mimicry, Magic or Mathematics: Which shall it be?," by Lynn Steen, St. Olaf College.

Contributed Papers:

- "Triangular Puzzle Peg," by Irving & Robert Hentzel, Iowa State University.
- "Spatial Prediction of Acid Rain Using Kriging," by Noel Cressie, Iowa State University.
- "All Observations Are Not Created Equal," by Robert Hogg, University of Iowa.
- "Shrinkage Estimation With Actuarial Applications," by Stuart Kleigman, University of Iowa.
- "Quality Control: Helping Industry in Iowa," by W. Robert Stephenson, Iowa State University.
- "Assessing Patterns of Care in Radiation Therapy: Sample Design Analysis," by Joseph Sedransk, University of Iowa.
- "Topology and Topos Theory," by Catherine Gorini, Maharishi International University.
- "Geometry in Unified Field Theories of Physics," by Robin Ticciati, Maharishi International University.
- "A Markov Chain Model in the Study of Student Performance," by Patsy Milton, Drake University.
- "Bernstein's Theorem for Minimal Surfaces," by Friedmar Schulz, University of Iowa.
- "The Steady State Temperature Distribution in an Infinite Room with a Window," by Ezio Venturino, University of Iowa.
- "Behavior of harmonic functions in corners," by Gary M. Lieberman, Iowa State University.
- "Computation of Multi-dimensional Laplace Transforms," by Rajbir Dahiya, Iowa State University.
- "Positive Elements and the B Condition," by Robin Harte, University of Iowa.
- "How to Polish Off Median Polish," by A.M. Fink, Iowa State University.
- "A Curious Approach to Higher Derivatives," by A.F. Kleiner, Drake University.
- "On Graph Theoretical Polynomials," by Milan Randic, Drake University.
- "Geometric Transformations: Some General Applications," by Michael Miller, University of Northern Iowa.
- "Isospectral Multigraphs," by Bernadette Baker, Drake University.
- "On Colorings of Finite Projective Planes," by Charles Jepsen, Grinnell College.
- "The Cartan Determinant Problem," by Kent Fuller, University of Iowa.

Student Papers

- "Parallels Between Maharishi's Vedic Science and Set Theory," by Dafna Yardeni, Maharishi International University.
- "Pursuit of the Vanishing Valedictorian," by Brenda Scary and Susan Wright, Graceland College.
- "On the Characteristic Polynomial of Some Large Graphs," by Scott Rothfus, Drake University.
- "On Unusual Vertices in Small Graphs," by Ruth Gornet, Drake University.
- "And Model Theory Presents....," by Anne Koopman, Loras College.
- "On the Similarity of Trees," by Tracy Parks, Drake University.
- "On Solving certain Almost Block Diagonal Linear Systems," by Graeme Fairweather, University of Kentucky.
- "Mimicry, Magic or Mathematics: Which shall it be?," by Lynn Steen, St. Olaf College.
- "Winning paper in the Mathematical Competition in Modeling," by Albert Goodman, Kevin Manbeck and Byron Ricks, Grinnell College.