

JOINT MEETING OF THE IOWA SECTIONS
OF MAA, ASA, SIAM

Wartburg College, Waverly, Iowa
April 13-14, 1984

(All sessions in Whitehouse Business Center)

Friday, April 13

- 1:30 Registration
- 2:00 Catherine Gorini Wadsworth, Maharishi International University,
Unified Field Based Mathematics at Maharishi University
- 2:30 Walter Beck, University of Northern Iowa,
Computer Graphics at UNI

Student Papers:

- 3:00 Frank A. Odoom, Iowa State University,
On Hermite Quintic Interpolation
- 3:30 Jennifer L. Meyer, Drake University,
Counting Self-Avoiding Walks on a Regular 3-Dimensional Network
- 4:00 Grant Izmirlian, Drake University,
Construction of Complex Transitive Graphs

Governor's Report:

- 4:30 Donald Meyer, Central College

Evening Social: At the home of Lynn Olson, located at 608 3rd Ave., NW, from 7:30 to 10:30 P.M. Directions will be available at the meeting Friday afternoon. If you arrive late, call 352-2548 for assistance. Contributions of \$2.00 requested to cover the cost of refreshments.

Saturday, April 14

- 8:00 Coffee & donuts/registration
- 9:00 Kenneth Ross, University of Oregon, Secretary of the MAA,
Another Approach to Riemann-Stieltjes Integrals (based on American
Mathematical Monthly note, vol. 87, Oct., 1980, pp. 660-62).
- 10:00 Break
- 10:15 Daniel Mihalko, University of Nebraska, Lincoln,
A Nice Property of Armadillos and How to Take Advantage of It.
- 11:15 Business meeting

Concurrent Sessions:

Session A:

- 1:00 Bernadette Baker, Drake University,
Interpretation of Discarded Roots of Algebraic Equations
- 1:30 Jack Heidel, Iowa State University,
Mathematical Models for the Dendritic Tree of a Nerve Cell
- 2:00 Milan Randic, Drake University,
Graph Generators
- 2:30 Don Pilgrim, Luther College,
Quotient Structures in Binary Systems with no Identity Element

Session B:

- 1:00 Robert Arnold, Iowa State University,
Extending Minty's Algorithm for Network Minimization Problems
- 1:30 George Woodworth, University of Iowa,
Sweep Operator in Statistics: Multivariate Analysis on a Micro
- 2:00 Richard Dykstra, University of Iowa,
Least Squares Projections onto Intersections of Convex Cones
- 2:30 Margarita Guerrero, Iowa State University,
Bayes, Buehler and Buehler-Bayes Confidence Bounds