

Visiting series and Analysis visiting speakers

Mathematics Education and Number Theory

- L. Lesser, Armstrong State University, 31 August 2001. "MATH + MUSIC = MORE MOTIVATION."
- G. Andrews, Penn State University, 11 March 2001. "An old algorithm in a new era, Major MacMahon you were born too soon".
- C. Harrow, Westminster School, Atlanta, 7 March 2003. "Connecting Mathematics and Science Using Technology."

Classical Analysis and Approximation theory

- S. Damelin, Weighted Hilbert Transforms and uniform convergence of orthogonal expansions, August 2000.
- E. Rakhmanov, University of South Florida, 15 October 2001. "Bounds for Polynomials with Unit Discrete Norm"
- D. Leviatan, Tel Aviv University, Israel, 22 January 2001. "Kolmogorov and shape preserving widths of weighted Sobolev classes."
- K. Oskolkov, University of South Carolina, 22 January 2001. "Hilbert transform with polynomial phase".
- K. Diethelm, University of Braunschweig, Germany, 12 March 2001. "Numerical solution of singular integral equations on the real line."
- K. Diethelm, University of Braunschweig, Germany, 14 March 2001. "Numerical methods of differential equations of non integer order".
- J. Wimp, Drexel University, 18 October 2002. "The W-Z algorithms."

Differential equations, Mathematical Biology, Dynamical systems

- J. Hoffacker, University of Georgia, 19 October 2001. "Time scales: what are they and what are they good for?"
- S. Siegmund, Georgia Institute of Technology, 9 November 2001. "Nonautonomous Dynamical Systems - Introduction and Application."
- J. Henderson, Auburn, 15 February 2002. "Differential inequalities for solutions of BV problems for ODE's."
- H. Hethcote, University of Iowa, 21 February 2002. "Mathematical models for infectious diseases".
- F. Atici, University of Western Kentucky, 21 March 2002. "Criteria for solutions to discrete periodic problems."

- J. Graef, University of Tennessee, 15 November 2002. "Positive solutions of BV problems using fixed points."
- A. Peterson, University of Nebraska-Lincoln, 31 January 2003. "An introduction to dynamic equations on Time scales."
- S. Ahmad, University of Texas, San Antonio, 28 March 2003. "On problems involving extinction and persistence of species."
- J. Adam, Old Dominion, 2 February 2001. "The Mathematics of Rainbows".

Statistics

- O. Akman, CCU, 29 March 2002. "Lifetime estimation in the presence of length biased estimation."
- (with CLEC) F. Hulting, Genral Mills, 9 April 2003. "Statistics in new product development."
- J. Spurrier, USC, 11 October 2003. "Regression models."

Numerical linear algebra

- J. Nagy, Emory, 21 April 2002. "Ill posed problems in image processing".
- M. Benzi, Emory, 24 January 2003. "An iterative method for generalized saddle-point problems."

Graph theory

- M. Atici, Western Kentucky, 22 March 2002. "Integrity of regular graphs."

Department and Analysis seminars

Differential equations, Mathematical Biology, Dynamical systems

:

- B. Kaymakcalan, Basic Calculus on Time Scales, 12 September, 2000.
- B. Kaymakcalan, Chain Rule on Time Scales and Some of Its Features, 26 September, 2000.
- J. Huband, An Intimate Look at the Bloor-Wilson PDE Surface Model, 17 October, 2000.
- A. Abney, Predation and Competition in a periodically pulsed Chemostat, 3 October, 2000.

- J. Huband, An Intimate Look at the Bloor-Wilson PDE Surface Model, 17 October 2000.
- M. Abell, Competition in a Chemostat, 14 November 2000.
- L. Fausett, A Neurocomputing Approach to Solving Partial Differential Equations , September 21.
- B. Kaymakcalan, Differential equations on time scales, 22 November 2001.
- N. Murty, Observability of Kronecker product first order systems, 25 January 2002.
- N. Murty, Transformation of a class of non-self Ajoint eigenvalue problems, 20 September 2002.
- B. Kaymakcalan, Nagumo type existence result for a nonlinear dynamic second order periodic boundary value problem, November 22 2002.

Topology and set theory

- S. Ngai, An Introduction to Fractals, 5 December 2000.
- B. McLean, Two conjectures from continua theory, 31 October 2000.
- M. Russell, Tree like continua, 30 November 2000.
- S. Ngai, Topological structure of Reptiles, 26 April 2002.
- F. Jordan, Restriction theorems and the collection of sets which satisfy their conclusions, 30 August 2002.
- B. McLean, Infinite shift points of a Hilbert Cube, 8 November 2002.
- J. Davenport, What is an algebra, 8 February, 2002.
- G. Michalski, Semicomputable sets and a framework for Priority arguments, 18 January 2002.

Classical Analysis, Approximation theory and Information based Complexity

- S. Damelin, Necessary conditions for mean convergence of Lagrange interpolation, 28 November 2000.
- S. Damelin, Distribution of Points On d-dimensional Spheres Using Finite Fields, 14 September 2001.
- S. Damelin, Continued fractions-What you may or may not know, 7 December 2001.
- S. Damelin, Numerical integration on spheres, 22 November 2002.

- Y. Li, Introduction to information based complexity, 6 September 2002.
- R. Kilburn and H. Snezhana, Some differential and integral inequalities and applications, 21 March 2001.
- L. Jovanavich, Maturity models, 27 September 2002.
- V. Maymeskul, On minimal discrete Riesz energy on spheres in \mathbb{R}^d , 13 September, 2002.

Numerical linear algebra

- L. Wang, A Criterion for Stability of Matrices, 7 November, 2000.
- Y. Wu, Computation of minimal realization of multi-input-multi-output systems from unobservable and/or uncontrollable realizations, 21 November 2000.
- X. Li, The representation and iterative methods for the Drazin inverse with complex spectrum, 12 October, 2001.
- Y. Wu, A Novel Subband Coding Scheme for Wide Band Signals and Applications in Speech Processing, 26 October 2002.
- X. Li, Perturbation bounds for eigenvalues of diagonalizable matrices, 25 October 2001.
- X. Li, The relative perturbation bounds of the eigenvalues of a diagonalizable matrix, 1 November 2002.

Optimization

- G. Lesaja, Development of interior point methods, 10 October, 2000.
- G. Lesaja, Development of interior point methods II, 18 October 2000.
- G. Lesaja, Long step homogeneous interior point algorithm for p^* non linear complementary problems, 28 September 2001.

Statistics

- B. Oluyede, On the estimation and modified goodness of fit test for multivariate distributions and related functions, 20 February 2001.
- B. Oluyede, On the estimation and modified goodness of fit test for multivariate distributions and related functions II, 3 April 2001.
- P. Humphrey, Some interesting combinatorial problems in lotteries, 26 April 2002.
- C. Champ, Performance Analysis of CUSUM Charts, 5 October, 2001.
- B. Oluyede, Biased Estimation, 8 November 2001.

Computer Science

- R. Cook, The National Classroom Project - An Experience Report , 29 August 2001.
- V. Jovanovic, Extreme Programming [XP], 5 September 2001.
- W. Ran Zhang, Yin-Yang Bipolar Sets and Bipolar Fuzzy Sets For Clustering and Coordination, 12 September 2001.
- A. Greca, Self healing algorithms in ATM networks, 16 November 2001.
- A. Greca, Routing and wavelength, 24 October 2002.