

Analysis Seminar Spring 2014

The seminar meets MWF 8th hour (3:00 PM) in LIT 235.



Upcoming Seminars:

Monday, April 14:

Speaker: Francis Adams

Title: Continuous Logic (part 1 of 3)

Abstract: I will develop a generalization of classical first-order logic that allows model-theoretic techniques to be applied to objects from analysis.

Past Seminars:

Friday, April 11:

Speaker: Arthur Danielyan (USF)

Title: On a polynomial approximation problem and related questions

Abstract: We consider the problem of uniform polynomial approximation of a continuous function on a closed subset of the unit circle (in the complex plane), such that the approximating polynomials remain uniformly bounded on the unit circle. Some applications and further questions will be discussed as well.

Wednesday, April 9:

Speaker: Joel Rosenfeld (UF Mechanical Engineering)

Title: Reproducing Kernel Hilbert Spaces in Control Theory with Applications to Adaptive Dynamic Programming (ADP), part II

Friday, April 4:

Speaker: Murali Rao

Title: Logarithmic means

Abstract? Yes.

Monday, April 7:

Speaker: Joel Rosenfeld (UF Mechanical Engineering)

Title: Reproducing Kernel Hilbert Spaces in Control Theory with Applications to Adaptive Dynamic Programming (ADP)

Abstract: We will discuss the use of RKHS's as function approximators and how they are used in optimal control theory. Specifically we will discuss the approximation of the Bellman Error in ADP. This talk will be in two parts.

Wednesday, April 2:

Speaker: Jason Nowell

Title: Weighted composition operators between Bergman and Bloch spaces

Monday, March 31:

Speaker: Jeremiah Hocutt

Title: The Commutative Gelfand-Naimark Theorem

Wednesday, March 26:

Speaker: Eduardo Teixeira (Universidade Federal do Ceara, Brazil)

Title: Tangential regularity theories

Monday, March 24:

Speaker: Eduardo Teixeira (Universidade Federal do Ceara, Brazil)

Title: Tangential regularity theories

Monday, March 24:

Speaker: Meric Augat

Title:

Wednesday, March 19:

Speaker: Mike Jury

Title: The Kadison-Singer problem VIII (finale)

Monday, March 17:

Speaker: Mike Jury

Title: The Kadison-Singer problem VII

Wednesday, March 12:

Speaker: Adam Broschinski

Title: Eigenvalues of Toeplitz operators and constrained algebras (PhD defense)

Monday, March 10:

Speaker: Adam Broschinski

Title: Eigenvalues of Toeplitz operators and constrained algebras

Friday, February 28:

Speaker: Eric Stetler

Title: TBA

Wednesday, February 26:

Speaker: Agnish Dey

Title: Collapsing of Non Homogeneous Markov Chains

Monday, February 24:

Speaker: Mike Jury

Title: The Kadison-Singer problem VI

Wednesday, February 19:

Speaker: Mike Jury

Title: The Kadison-Singer problem V

Monday, February 17:

Speaker: Todd Molnar

Title: Zero distribution of the Riemann zeta function

Wednesday, February 12:

Speaker: Mike Jury

Title: The Kadison-Singer problem IV

Monday, February 10:

Speaker: Benjamin Russo

Title: An operator theory approach to disconjugacy

Wednesday, February 5:

Speaker: Mike Jury

Title: The Kadison-Singer problem III

Monday, February 3:

Speaker: Mike Jury

Title: The Kadison-Singer problem II

Wednesday, January 29:

Speaker: Ben Russo

Title: An operator-theoretic approach to disconjugacy

Monday, January 27:

Speaker: Mike Jury

Title: The Kadison-Singer Problem I

Friday, January 24:

Speaker: Larie Ward

Title: Characterizing trees by their shifts II

Wednesday, January 22:

Speaker: Larie Ward

Title: Characterizing trees by their shifts

Title: Characterizing trees by their shifts II

Wednesday, January 22:

Speaker: Larie Ward

Title: Characterizing trees by their shifts

Monday, January 13:

Speaker: Mat Gluck

Title: Classification of Solutions to a Critically Nonlinear System of Elliptic Equations on Euclidean Half-Space II

Friday, January 10:

Speaker: Mat Gluck

Title: Classification of Solutions to a Critically Nonlinear System of Elliptic Equations on Euclidean Half-Space

Wednesday, January 8: JMM preview

Speaker 1: Adam Broschinski

Title: Eigenvalues of Self-Adjoint Toeplitz Operators with respect to a Constrained Algebra

Speaker 2: Mat Gluck

Title: A Harnack-Type Inequality for a Prescribing Curvature Equation on a Domain with Boundary