

CENTER FOR APPROXIMATION THEORY ANNUAL SYMPOSIUM

Department of Mathematics

Texas A&M University

Friday, 19th April and Saturday, 20th April, 1996

VENUE: 627 BLOCKER (FRIDAY), 457 BLOCKER (SATURDAY)

Programme

Friday, 19th April

SESSION I – Chair: Francis Narcowich

- 2:00 – 2:40: P. W. Smith, Windward Technologies
Using VisSim/Optimize PRO for approximation problems
- 2:45 – 3:25: T. Erdélyi, Texas A&M University
Markov-type inequalities for constrained polynomials with complex coefficients
- Coffee Break*
- 3:45 – 4:25: M. J. Lai, University of Georgia
Domain decomposition methods for elliptic boundary value problems
- 4:30 – 5:10: J. Lian, Prairie View A&M University
Almost orthogonal multi-wavelets

Saturday, 20th April

8:30 a.m: *Refreshments*

SESSION II – Chair: Charles Chui

- 9:00 – 10:00: G. G. Lorentz, University of Texas - Austin
Problems in approximation and interpolation

SESSION III – Chair: Don Allen

- 10:20 - 11:00: T. Kunkle, College of Charleston
Multivariate exponential divided differences
- 11:05 - 11:45: J. Z. Wang, Sam Houston State University
Subdivisions with matrix masks and corresponding scaling vectors

11:50 – 12:30: M. Maesumi, Lamar University
Smoothest 4-Coefficient MRA, Hölder regularity and joint spectral radius

Lunch Break

SESSION IV – Chair: Joseph Ward

2:00 - 2:40: D. Larson, Texas A&M University
Interpolation pairs of wavelets

2:45 – 3:25: C. Chui, Texas A&M University
On a discussion of local bases

Tea Break

3:45 – 4:25: X. L. Shi, Texas A&M University
Enveloped trigonometric bases of $L^2(\mathbf{R})$

4:30 – 5:10: V. G. Kamat, Texas A&M University
Operators and multi-wavelets

6:00 p.m: *Chowing at the Chuis'*