

CENTER FOR APPROXIMATION THEORY ANNUAL SYMPOSIUM

Department of Mathematics

Texas A&M University

21st and 22nd April

VENUE: 624 BLOCKER

Revised Programme

Friday, 21st April

AFTERNOON SESSION – Chair: J. Ward

- 1:30 p.m: P. Smith, Windward Technologies
Computing least squares fit with RBFs
- 2:10 p.m: F. J. Narcowich, Texas A&M University
An ‘uncertainty principle’ for the m -sphere
- Coffee Break*
- 3:00 p.m: J. Lakey, Texas A&M University
Divergence-free wavelets in vector Hardy space theory
- 3:40 p.m: L. Zhong, Texas A&M University
Interpolation bases, the Marcinkiewicz-Zygmund inequality and A_p weights

Saturday, 22nd April

8:30 a.m: Refreshments

MORNING SESSION – Chair: C. Chui

- 9:00 a.m: J. Prestin, University of Rostock, Germany
Polynomial wavelets
- 10:00 a.m: R. Goldman, Rice University
A new approach to implicitizing rational curves and surfaces
- Coffee Break*

11:00 a.m: P. Van Fleet, Sam Houston State University
Some recurrence formulas for box splines and cone splines

11:40 a.m: J. Lian, Prairie View A&M University
On multiwavelets

Lunch Break

AFTERNOON SESSION – Chair: J. Prestin

1:30 p.m: C. Chui, Texas A&M University
Orthogonal decomposition and duality principle

2:10 p.m: P. Oswald, Texas A&M University
Applications of the Powell-Sabin split to multilevel methods (for p.d.e.)

2:50 p.m: M. Maesumi, Lamar University
*Optimum unit ball for joint spectral radius, an example from
4-coefficient multiresolution*

Tea

4:00 p.m: A. Kunoth, Texas A&M University
On the fast computation of integrals of refinable functions

4:40 p.m: A. Habib, Rice University
Bivariate Hermite interpolation over a triangular grid

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