

CENTER FOR APPROXIMATION THEORY ANNUAL SYMPOSIUM

**Department of Mathematics
Texas A&M University
Friday, 24th April and Saturday, 25th April, 1998**

Programme

Friday, 24th April
VENUE: 627 BLOCKER

SESSION I – Chair: Don Allen

2:00 p.m: D. Larson, Texas A&M University
Frames and functional analysis

2:40 p.m: Q. Gu, Texas A&M University
MRA wavelets in \mathbf{R}^n

Coffee Break

3:45 p.m: T. Erdelyi, Texas A&M University
Markov-type inequality for polynomials with no zeros in a diamond

4:25 p.m: P. Smith, Windward Technologies
A MATLAB implementation of RBFpack

Saturday, 25th April
VENUE: 457 BLOCKER

8:30 a.m: *Refreshments*

SESSION II – Chair: Francis Narcowich

9:00 a.m: H. N. Mhaskar, California State University
On polynomial frames

9:40 a.m: J. Gilbert, University of Texas
Pointwise multiplication and Hankel operators

Coffee Break

10:45 a.m: J. Wang, Sam Houston State University
The linearly independent generator of a refinable space

11:25 a.m: W. He, University of Georgia
*Construction of compactly supported orthonormal multiwavelets
with arbitrarily high regularity*

Lunch Break

SESSION III – Chair: Joseph Ward

2:00 p.m: R. Goldman, Rice University
Complex contour integration and B-splines of negative degree

2:40 p.m: C. Bajaj, University of Texas
Approximating vector topology for data visualization

Tea Break

3:45 p.m: H. Weimer, Rice University
Subdivision for variational problems

4:25 p.m: M. Zhang, Rice University
Transformations between resultants and the consequences