

MINI-CONFERENCE IN HARMONIC ANALYSIS AND
RELATED AREAS

SPONSORED BY THE NSF

Auburn University, Alabama
November 20, 21, 1987

8:30 - 9:00 - Coffee and Donuts in Parker Hall 244

Morning Session - Friday, November, 20 - Parker Hall 250

9:00 - 9:25 - G. Sampson & J. Mitchell - Auburn University/SUNYB
"Estimates for Szego Kernels on Classical Domain"

9:30 - 9:55 - Michele Lapidus - University of Georgia
"Harmonic Analysis of "Fractal Drums": Partial
Solution of the Weyl-Berry Conjecture for
eigenvalues of Elliptic Operators."

10:00 - 10:55 - Daniel Waterman - Syracuse University -Lecture
"The Conjugate Function and Homeomorphism of the
Circle Group."

11:00 - 11:25 - James Daly - University of Colorado
"On the Classification of Homogeneous Multipliers
Bounded on $H^p(R)$."

11:30 - 11:55 - James Wang - University of Alabama
"Aproximation by Rational Modules"

12:00 - 1:30 - Lunch Break

Afternoon Session Parker Hall 217

1:30 - 1:55 - Leonard Yap - University of Singapore & SUNY at
Albany
"Multipliers and Isomorphism of Subalgebras of
 $L^1(G)$ "

2:00 - 2:55 - Robert Fefferman - University of Chicago -Lecture
"Fourier Analysis on the Bidisc"

3:00 - 3:25 - John Benedetto - University of Maryland
"Fourier Transform Inequalities with Measure
Weights."

3:30 - 3:55 - Harold Benzinger - University of Illinois
"Non-Harmonic Analysis Fourier Series."

4:00 - 4:25 - Peter Knopf - Pace University
" L^p - Mapping Property of Szego Operator for
Product Domain."

4:30 - 5:25 - Nigel Kalton - University of Missouri -Lecture
"Nonlinear Commutators in Interpolation Theory
and their Applications."

6:30 - 9:30 - Get together at Jack Brown's house

Morning Session - Saturday, November 21 - Comer Hall Auditorium

8:00 - 8:30 - Coffee and Donuts

8:30 - 8:55 - Mitchell Anderson - Auburn University
"One Parameter Submonoids in Generalized
Differentiable Monoids."

9:00 - 9:25 - Ferenc Moricz - University of Tennessee
"Double Fourier Series with Special Coefficients."

9:30 - 9:55 - David Singman - George Mason University
"A Converse of Fatou's Theorem on Spaces of
Homogeneous Type."

10:00 - 10:55 - Daniel Waterman - Lecture continued
"Generalized Bounded Variation and Fourier
Series."

11:00 - 11:25 - Tavan Trent - University of Alabama
"Measure Inequalities."

11:30 - 11:55 - C. Gutierrez - Temple University
"Bounds for the Fundamental Solution of
Parabolic Degenerate Equations."

12:00 - 1:30 - Lunch Break

Afternoon Session - Comer Hall Auditorium

1:30 - 1:55 - Dan Oberlin - Florida State University
"Some Multilinear Convolutions."

2:00 - 2:55 - Nigel Kalton - Lecture Continued

3:00 - 3:25 - Chen Lung-kee - Oregon State University
"The Maximal Operators related to Calderon
Zygmund Methods of Rotations."

3:30 - 3:55 - Richard O'Neil - SUNY at Albany
"Operators which Act Like Fractional Integration."

4:00 - 4:25 - Geraldo De Souza - Auburn University
"On Weighted Besov Spaces"

4:30 - 5:30 - Robert Fefferman - Lecture Continued