TENTH AUBURN MINI-CONFERENCE ON
HARMONIC ANALYSIS AND RELATED AREA


Friday and Saturday, December 17-18, 1993
Sponsored by NSF

Friday Morning 8:340-8:50 Coffee, Doughnuts, Registration,
   Information (Parker Hall 244)

## Friday Morning Session - Parker Hall 217

8:50 - 9:00    Opening Remarks.

9:00 - 9:20    Richard O'Neil -SUNY
               "A Direct Proof of Hausdorff Young Inequality"

9:25 - 9:45    Mike Wilson - University of Vermont
               "A Maximal Inequality with Applications to
               Weighted Bergman Spaces"

10:00 - 10:50  Eric Sawyer - MacMaster University - "A Rough
               Pseudo Differential Calculus and Applications to
               Non-Linear Problems"

11:05 - 11:25  Agranovich Polyna Z. - Institute for Low
               Temperature Physics - Ukraine.
               "Polymonial Asymptotic Representations of
               Subharmonic Functions"

11:30 - 11:50  Dashan Fan - University of Wisconsin
               "Oscillating Integrals in the Besov Spaces"

11:50 - 1:30   Lunch Break

## Afternoon Session - Parker Hall 217

1:30 - 1:50    Wu Zhijing - University of Alabama - Clifford
               Algebra " Div - Curl Theorem"

2:00 - 2:50    Carlos Kenig - University of Chicago - "The Cauchy
               Problems for the KdV - Equations"

3:00 - 3:20    Larry Chen - Oregan State University - "The
               Multiplier Operators on the Product Spaces"

3:25 - 3:45    Jesus Chargoy - Universidad Autonoma Metropolitama
               Mexico - "Approximations by Spherical means of the
               Solutions of Weyl and Dirac Equations"

4:00 - 4:50    Robert Fefferman - University of Chicago -
               "Application of Covering Lemmas in Harmonic
               Analysis"

6:00 - 9:00    Picnic at Pebble Hill (Country Barbecue and
               Brazilian feijoada)


Saturday Morning 8:30 - 8:55 Coffee, Doughnuts (PKH 244)

9:00 - 9:20    Piotr Mikusinki - University of Central
               Florida - "Boehmians on the Sphere"

9:25 - 9:45    Han Qing - University of Chicago - "Singular Set
               of Solutions to Elliptic Equations"

10:00 - 10:50  Eric Sawyer - MacMaster University - Continuation

11:00 - 11:20  Joe Lakey - University of Texas - "Cotlar-type
               Operators and frames"

11:20 - 1:30   Lunch Break.

1:30 - 1:50    Pan Yibiao - University of Pittsburg -
               "Boundedness of Oscillating Singular Integrals."

2:00 - 2:50    Robert Fefferman - University of Chicago -
               Continuation

2:50 - 3:00    Group picture to be taken in front of the
               building.

3:00 - 3:20    Wang Wensheng - University of Chicago "UPC for
               Higher Order Operators"

3:30 - 4:20    Carlos Kenig - University of Chicago -
               Continuation

4:30 -         University vans carrying participants to Atlanta
               leave Paker Hall.  Saturday evening we will carry
               interested participants to (Dutch-Treat dinner in
               Atlanta.)

*All Department of Mathematics Faculty, Staff, and G.T.A.'s are
 invited to attend the Conference and the Picnic.