Fifth Annual Auburn Miniconference on
Real Analysis
Friday and Saturday, April 15-16, 1988
Sponsored by NSF

Friday Morning 9:00-9:55 Coffee, Doughnuts, Registration, Information (Parker Hall 244)

Friday Morning Session (properties of real functions):
Parker Hall 217

10:05-10:30  Jerry Gibson, Columbus College (Ga.), "Concerning extendable connectivity functions".

10:35-11:00, Harvey Rosen, U. of Alabama, "Connected functions and locally peripherally connected spaces".

11:05-11:30, Bert Garrett, Tennessee State Univ., "Connected selectors".

11:35-12:00, M Gutowski, Lake Superior State Univ., "On the infinite derivative of the jump-function".

Lunch (Dutch Treat).

Friday Afternoon Session (properties of real functions):
Parker Hall 217

1:35-2:00, Cheng-Ming Lee, Univ. of Wisconsin - Milwaukee, "A new characterization of turbulent and chaotic functions I".

2:05-2:30, Paul Humke, St. Olaf College (MN), visiting Univ. Wisconsin – Milwaukee, "A new characterization of turbulent and chaotic functions II".

2:35-3:00, Peter Massopust, La Grange College (Ga.), "On some properties of functions whose graphs are fractal sets".

3:05-3:30, Chris Frielings, Calif. State Univ. – San Bernardino, "The monotonicity theorem for the approximate symmetric derivative".
3:30-4:05, Refreshment Break (Parker Hall 244)

4:10-5:00, Mike Evans, N. Carolina State Univ., visiting Univ. Wisconsin - Milwaukee,

"Approximately symmetric behavior of real functions".

6:00-9:00 Cookout at Jack Brown's house (food and beer provided).

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Saturday Morning 8:30-9:30 Coffee and Doughnuts (Parker Hall 244)
SATURDAY MORNING SESSION (Measure theory and real analysis):

PARKER HALL 217

9:35-10:00, Jack Brown, Auburn Univ., "Ramsey null sets, sets of strong measure zero, concentrated sets, and other small sets".

10:05-10:30, Gene Johnson, Columbus College (Ga.), "The sigma-ring generated by the Jordan measurable sets".

10:35-11:00, Stewart Baldwin, Auburn Univ., "Strengthened version of Blumberg's Theorem".

11:10-12:00, Jerry Uhl, Univ. of Illinois,

"Differentiation, slices, and martingales".

Lunch (Dutch Treat).

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SATURDAY AFTERNOON SESSION (Real, harmonic, and functional analysis):

PARKER HALL 217

1:35-2:00, Rudolf Schmidt, Emory Univ., "Fixed point theorem in Frechet spaces and applications".

2:05-2:30, Peter Bullen, Univ. of British Columbia, "Some applications of a theorem of Marcinkiewicz".

2:35-3:00, Geraldo De Souza, Auburn Univ., "Weighted Lipschitz spaces".

3:05-3:30, Michel Lapidus, Univ. of Georgia, "Noncommutative convolution on Wiener space and Feyman's operational calculus".
3:35-4:00, Gary Sampson, Auburn Univ., "Weighted norm inequalities".

4:20, Transportation leaves to deliver participants who have Sunday flights to LaQuinta Inn in Atlanta. We will stop on the way to have (dutch treat) dinner at mall outside Atlanta where there is a large "food court" and a Morrison' Cafeteria. LaQuinta provides free transportation to the airport.