WABASH
EXTRAMURAL MODERN ANALYSIS
SEMINAR

November 1

2:00 p.m.
at
Wabash College
in rooms 114 and 118 Baxter Hall

Times given are Eastern Time,
which is currently local time for Central Indiana and Ohio.

2:00–2:30	*Refreshments and conversation*
2:30–3:30	**Riesz transforms in group algebras** *JAVIER PARCET, ICMAT, Madrid*
3:30–4:00	*More refreshments and conversation*
4:00–5:00	**C*-simplicity and the unique trace property for discrete groups** *MATHEW KENNEDY, University of Carleton, Ottawa*
5:00–...	*Refreshments and farewells*

The purpose of Wabash Seminar talks is to present surveys of interest to all analysts, including graduate students and scholars working in areas far from the speaker's specialty. Come and meet your fellow analysts, learn what's going on, and spread the word.

Next Meeting: TBA

For further information call

Marius Dadarlat, Purdue University, (765) 494–1940
E–mail: mdd@math.purdue.edu
Web: http://www.math.purdue.edu/~mdd/Wabash/

Riesz transforms in group algebras

JAVIER PARCET

We will discuss dimension free estimates for Riesz transforms of convolution type in group von Neumann algebras. Applications to other smooth Fourier multipliers (even in the Euclidean case) will be given.

C*-simplicity and the unique trace property for discrete groups

MATHEW KENNEDY

In joint work with M. Kalantar, we established necessary and sufficient conditions for the simplicity of the reduced C*-algebra of a discrete group. More recently, in joint work with E. Breuillard, M. Kalantar and N. Ozawa, we proved that any tracial state on the reduced C*-algebra of a discrete group is supported on the amenable radical. Hence every C*-simple group has the unique trace property. I will discuss these results, along with some applications.

WABASH
EXTRAMURAL MODERN ANALYSIS
SEMINAR

November 1

2:00 p.m.

at

Wabash College

in rooms 114 and 118 Baxter Hall

Cars will be leaving from the Math Sciences Building at 1:30 p.m. (sharp!).
(Meet near the elevators on the main floor.)
If you wish to ride, please tell Marius Dadarlat (Math 708; phone 41940) by Thursday, November 1.

2:00–2:30	*Refreshments and conversation*
2:30–3:30	**Riesz transforms in group algebras** *JAVIER PARCET, ICMAT, Madrid*
3:30–4:00	*More refreshments and conversation*
4:00–5:00	**C*-simplicity and the unique trace property for discrete groups** *MATHEW KENNEDY, University of Carleton, Ottawa*
5:00–...	*Refreshments and farewells*

The purpose of Wabash Seminar talks is to present surveys of interest to all analysts, including graduate students and scholars working in areas far from the speaker's specialty. Come and meet your fellow analysts, learn what's going on, and spread the word.

Next Meeting: TBA

For further information contact

Marius Dadarlat, Math 708, 49–41940
E–mail: mdd@math.purdue.edu
Web: http://www.math.purdue.edu/~mdd/Wabash/wabash.html

Riesz transforms in group algebras

JAVIER PARCET

We will discuss dimension free estimates for Riesz transforms of convolution type in group von Neumann algebras. Applications to other smooth Fourier multipliers (even in the Euclidean case) will be given.

C*-simplicity and the unique trace property for discrete groups

MATHEW KENNEDY

In joint work with M. Kalantar, we established necessary and sufficient conditions for the simplicity of the reduced C*-algebra of a discrete group. More recently, in joint work with E. Breuillard, M. Kalantar and N. Ozawa, we proved that any tracial state on the reduced C*-algebra of a discrete group is supported on the amenable radical. Hence every C*-simple group has the unique trace property. I will discuss these results, along with some applications.