

## GEOFF DIESTEL

Department of Mathematics  
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Born: 08/19/1976  
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### Education

PhD in Mathematics, May 2006  
University of Missouri; 2002-2006  
Dissertation: *Bilinear Littlewood-Paley Theory and Square Function Estimates*  
Advisor: Loukas Grafakos  
MA in mathematics, May 2002  
University of Missouri; 2000-2002  
BS in Mathematics, May 2000  
Kent State University; 1995-2000

### Positions

2006 - 2008: Visiting Assistant Professor (Mathematics) University of South Carolina(USC)  
2000 - 2006: Graduate Assistant (Mathematics) University of Missouri(MU)  
1999 - 2000: Undergraduate/Graduate Assistant (Mathematics) Kent State University(KSU)

### Research

1. Geoff Diestel and Loukas Grafakos, *Estimates for multilinear singular integrals associated with Borel measures*. (Submitted by 1/2008)
2. Geoff Diestel and Ralph Howard, *Finite order isomorphisms of spaces of smooth functions preserve dimension* . (Submitted by 1/2008)
3. Geoff Diestel, *Sobolev Spaces with only Trivial Isometries, II*. (Submitted to Positivity)
4. Geoff Diestel and Loukas Grafakos, *Maximal bilinear singular integral operators associated with dilations of planar sets*, J. Math. Anal. and Appl., Vol. 332 (2007), no. 2, 1482-1494.
5. Geoff Diestel and Loukas Grafakos, *Unboundedness of the ball bilinear multiplier operator*, Nagoya Math. J., Vol. 185 (2007), 1-9.
6. Geoff Diestel and Alexander Koldobsky, *Sobolev spaces with only trivial isometries*, Positivity 10, No.1 (2006) 135-144.
7. Geoff Diestel, *Some remarks on bilinear Littlewood-Paley theory*, J. of Math. Anal. and Appl., **307** (2005), 102-119.

## Teaching Experience

1. Analysis I (USC, 2 semesters\*)
2. Elements of General Topology (USC, 1 semester\*)
3. Differential Equations (MU, 1 semester\*)
4. Calculus III (USC, 1 semester\*)
5. Calculus II (USC, 1 semester\*; MU, 1 semester\*\*\*)
6. Calculus I (USC, 3 semesters\*)
7. Elements of Calculus (MU, 3 semesters\*)
8. Finite Mathematics, with Basic Prob.&Stat. (MU, 9 semesters\*)
9. Trigonometry (MU, 1 semester\*)
10. College Algebra (MU, 1 semester\*; KSU, 1 semester\*; KSU, 1 semester\*\*)

\* Full Responsibility

\*\* Recitation/Grading

\*\*\* Recitation/ Mathematica Lab/Grading

## Service

1. Spring 2007: Classical Analysis Seminar Organizer.
2. December 2006: USC High School Math Contest Volunteer.
3. December 2007: USC High School Math Contest Volunteer.
4. Spring 2008: Informal Seminar Organizer(The Mathematics of Computerized Tomography)

## Funding/Grant Support

1. Currently developing proposals for external funding.
2. Supported by NSF Grant DMS-0099881, summer 2004.
3. Supported by NSF Grant DMS-0244515, summer 2005.
4. Teaching Fellowship, University of Missouri, 2002-2006.
5. University Fellowship, University of Missouri, 2000-2002.
6. Teaching Assistantship, Kent State University, 1999-2000.

## Lectures

1. The Fourth Conference on Function Spaces at SIUE, Southern Illinois University, Edwardsville Ill., May 2002\*.
2. ICAA 2003, International conference in Abstract Analysis in Africa, Kruger National Park, South Africa, July-August 2003\*.
3. Showme analysis meeting, University of Missouri, Columbia MO, June 5, 2004\*.
4. Fourth Prairie Analysis Seminar, University of Kansas, Lawrence KS, Nov. 13, 2004\*.
5. Ninth New Mexico Analysis Seminar, University of New Mexico, Albuquerque NM, April 6, 2006\*.
6. The Fifth Conference on Function Spaces at SIUE, Southern Illinois University, Edwardsville Ill., May 2006\*.
7. Banach Spaces and Their Applications in Analysis(In honor of Nigel Kalton's 60th birthday), University of Miami, Oxford OH, May 22, 2006\*.
8. Sixth Prairie Analysis Seminar, University of Kansas, Lawrence KS, Oct. 13, 2006\*.
9. AMS Sectional Meeting 1025, Miami University, Oxford OH, Mar. 16, 2007\*.
10. AMS Sectional Meeting 1024, Davidson College, Davidson NC, Mar. 3, 2007\*.
11. AMS Sectional Meeting 1030, DePaul University, Chicago Ill., Oct. 5, 2007.
12. Harmonic Analysis Conference, University of Georgia, Oct. 13, 2007.\*\*
13. AMS Sectional Meeting 1032, University of New Mexico, Albuquerque NM, Oct. 13, 2007.
14. AMS National Meeting in San Diego, Jan. 2008.

## Seminar Talks

Six at the University of South Carolina from 8/2006 - 12/2007

Three at the University of Missouri from 8/2002 - 5/2006

One at Kent State University during 2004\*.

\* Invited

\*\* Invited, but had prior commitment