

Brian Street

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Positions

8/2011-present - Assistant Professor, University of Wisconsin-Madison
8/2009-8/2011 - Van Vleck Assistant Professor, University of Wisconsin-Madison
7/2007-7/2009 - Coxeter Assistant Professor, University of Toronto

Funding

7/2011-6/2014 - NSF Grant, *Multi-parameter singular integrals* (DMS 1066020)
7/2008-6/2011 - NSF Postdoctoral Fellow (DMS 0802587)

Education

Ph.D. Mathematics, Princeton University, 2007 (Advisor-Elias Stein)
B.A. Mathematics, University of Virginia, 2003, *With Highest Distinction*

Papers (See <http://www.math.wisc.edu/~street> for links)

E. Stein and B. Street, *Multi-parameter singular Radon transforms*, Math. Res. Lett., vol. 18, 2011, no. 2, p. 257-277
B. Street, *Multi-parameter singular Radon transforms I: the L^2 theory*, 60 pages, to appear in Journal d'Analyse Mathématique
E. Stein and B. Street, *Multi-parameter singular Radon transforms II: the L^p theory*, preprint, 41 pages
E. Stein and B. Street, *Multi-parameter singular Radon transforms III: real analytic curves*, preprint, 22 pages
B. Street, *Multi-parameter Carnot-Carathéodory balls and the theorem of Frobenius*, Rev. Math. Iberoamericana, Vol 27, No. 2 (2011) 645-732
A. Nachman and B. Street, *Reconstruction in the Calderón Problem with Partial Data*, Comm. Partial Differential Equations, 35 (2010), no. 2, 375-390
B. Street, *A parametrix for Kohn's operator*, Forum Math., 22 (2010), no. 4, 767-810
B. Street, *The \square_b heat equation and multipliers via the wave equation*, Math. Z. 263 (2009), no. 4, 861-886
B. Street, *An algebra containing the two-sided convolution operators*, Adv. Math. 219 (2008), no. 1, 251-315
B. Street, *L^p regularity for Kohn's operator*, Math. Res. Lett., 13, 2006, no. 5, 703-711
S. Iams, B. Katz, C. Silva, B. Street and K. Wickelgren, *On weakly mixing and doubly ergodic nonsingular actions*, Colloq. Math., 103, 2005, no. 2, 247-264
R. Oberlin, B. Street, and R. Strichartz, *Sampling on the Sierpinski gasket*, Experiment. Math., 12, 2003, no. 4, 403-418

Mathematical Interests

I am interested in singular integrals (especially multi-parameter singular integrals where the under-

lying geometries are non-Euclidean). In a related vein I am interested in regularity of linear PDEs, and in particular applications to several complex variables.

Teaching Experience

Calculus III: Functions of several variables, Fall 2011 (2 sections), University of Wisconsin-Madison
Instructor and course head, Topics in Multi-variable Calculus and Differential Equations, Spring 2010 and Spring 2011, University of Wisconsin-Madison
Instructor and course head, Topics in Linear Algebra and Multi-variable Calculus, Fall 2009 and Fall 2010, University of Wisconsin-Madison
Instructor and course head, Complex Analysis, Fall 2007, University of Toronto
Instructor and co-course head, Calculus for Engineers, Fall 2007, Spring 2008, University of Toronto
Instructor, Calculus, Fall 2006, Princeton University
TA, Linear Algebra, Spring 2006, Princeton University
TA, Complex Analysis, Fall 2005, Princeton University
TA, Logic, Fall 2005, Spring 2007, Princeton University
TA, Calculus, Fall 2004, Spring 2005, Princeton University

Selected Talks

Oct 22, 2011 - AMS Fall Western Section Meeting - Special Section in harmonic analysis and dispersive PDEs
Jul 29, 2011 - Oberwolfach - Conference on Real Analysis, Harmonic Analysis and Applications
Jun 6, 2011 - ICMS - Conference on Oscillatory integrals in harmonic analysis
Jan 6, 2011 - The Ohio State University - Colloquium
Dec 6, 2010 - University of Wisconsin-Madison - Colloquium
Oct 5, 2010 - UIUC - HADES seminar
May 14, 2010 - UCLA - Analysis Seminar
Mar 24, 2010 - Scuola Normale Superiore - Euclidean Harmonic Analysis, Nilpotent Lie Groups and PDEs conference
Jan 19, 2010 - University of Wisconsin-Madison - Analysis Seminar
Nov 16, 2009 - Cornell University - Analysis Seminar
Oct 11, 2009 - Purdue University - Midwest Several Complex Variables Meeting
May 12, 2009 - The Ohio State University - Analysis Seminar
Mar 26, 2009 - University of Arkansas - Colloquium
Dec 12, 2008 - University of Rochester - Analysis Seminar
Dec 5, 2008 - York University - Analysis Seminar
Nov 4, 2008 - University of Wisconsin - Analysis Seminar
Oct 13, 2008 - Princeton University - Analysis Seminar
Oct 10, 2008 - University of Toronto - Analysis Seminar
Jul 18, 2008 - Oberwolfach - Conference on real analysis, harmonic analysis and applications
Jun 30, 2008 - Conference in honor of Joe Kohn, Prague
Feb 6, 2007 - University of Wisconsin - Analysis Seminar
Jan 31, 2007 - University of Toronto - Analysis Seminar
Nov 14, 2006 - The Ohio State University - Analysis Seminar