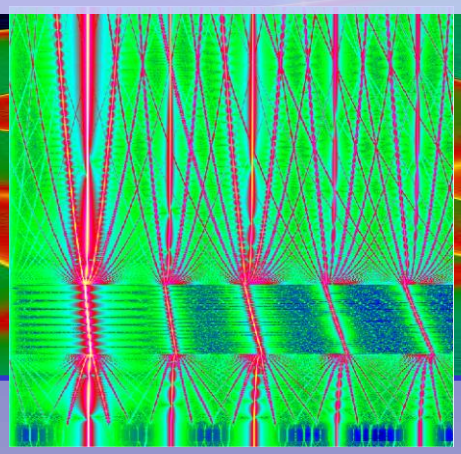
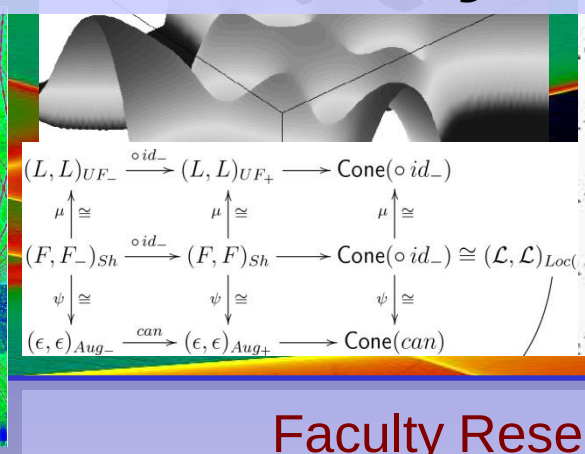
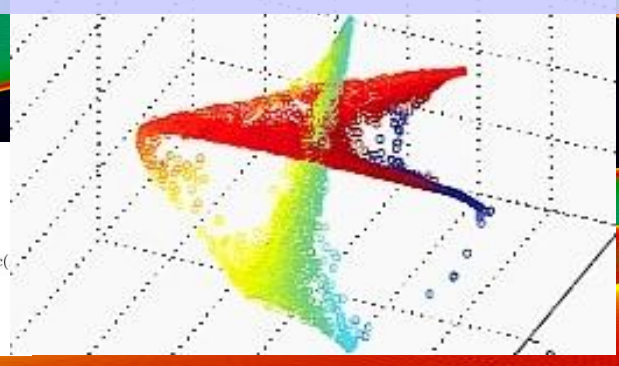
Pure and Applied Mathematics
Graduate Study at Duke University







Faculty Research Expertise

Geometry
Algebraic Geometry: P. Aspinwall, H. Hahn, R. Hain, E. Miller, C. Schoen • *Symplectic Geometry:* R. Bryant, L. Ng • *Differential Geometry and Geometric Analysis:* H. Bray, R. Bryant, A. Petters, L. Saper, M. Stern

Topology
Algebraic Topology: R. Hain, W. Pardon, L. Saper • *Geometric Topology:* J. Harer, L. Ng

Algebra & Number Theory
R. Calderbank, J. Getz, H. Hahn, R. Hain, E. Miller, L. Pierce, L. Saper, C. Schoen

Mathematical Physics
General Relativity: H. Bray, A. Petters • *String Theory:* P. Aspinwall, R. Plesser, M. Stern

Analysis & Partial Differential Equations
Analysis: M. Reed • *Harmonic Analysis:* R. Calderbank, I. Daubechies, M. Maggioni, L. Pierce • *Partial Differential Equations:* T. Beale, R. Bryant, J.-G. Liu, J. Lu, J. Mattingly, J. Nolen, M. Stern, T. Witelski • *Integrable Systems:* S. Venakides

Numerical Analysis & Scientific Computing
Multiscale Methods: P. Bendich, I. Daubechies, J. Harer, A. Layton, J.-G. Liu, J. Lu, M. Maggioni, J. Mattingly, J. Nolen • *Computational Geometry and Topology:* P. Aspinwall, P. Bendich, J. Harer, E. Miller

Mathematical Biology
Computational and Systems Biology: J. Harer, E. Miller, S. Mukherjee • *Cancer Modeling:* R. Durrett • *Mathematical Physiology and Cell Biology:* A. Layton, H. Layton, J. Mattingly, M. Reed, S. Venakides

Probability & Stochastic Analysis
R. Calderbank, R. Durrett, J. Lu, M. Maggioni, J. Mattingly, S. Mukherjee, J. Nolen

Fluid Dynamics
T. Beale, J.-G. Liu, J. Mattingly, T. Witelski

The Graduate Program
The graduate program in mathematics at Duke University provides a stimulating and supportive atmosphere for learning and research. Our graduate students pursue studies in pure or applied fields, leading to careers in academics, industry, and business. All doctoral students making satisfactory progress receive full financial support for five years of study.

Duke University
Duke University is consistently ranked in the top ten universities in the United States. Its outstanding computational resources and extensive library collections serve world-class research across the sciences and humanities. The university is located in the Raleigh-Durham-Chapel Hill Triangle area of North Carolina, a thriving hub of technology and research.

Duke University is an affirmative action/equal opportunity institution.

The Graduate Faculty
Advanced courses and lively seminar series are held in the areas of our faculty's expertise in pure and applied mathematics. Many faculty members also participate in interdisciplinary research collaborations in subjects such as biology, chemistry, computer science, engineering, physics, and statistics.

For more information, visit
http://www.math.duke.edu/graduate/
or write to dgs-math@math.duke.edu

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Application Deadline: January 3, 2015