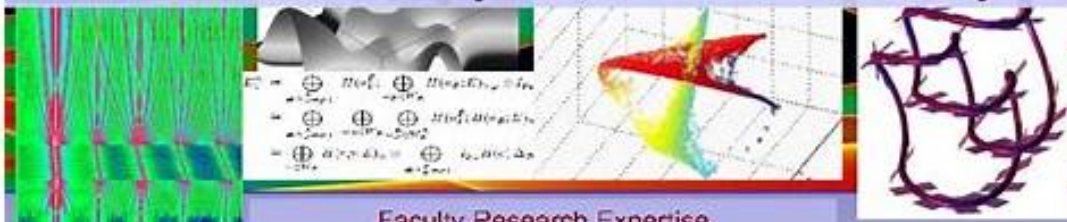


Applied Math Graduate Programs



Pure and Applied Mathematics Graduate Study at Duke University



Faculty Research Expertise

Geometry

Algebraic Geometry: P. Aspinwall, R. Hain, E. Miller, C. Schoen • Symplectic Geometry: L. Ng • Differential Geometry and Geometric Analysis: H. Bray, 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. Gatz, 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

Probability & Stochastic Analysis

R. Calderbank, R. Durrett, J. Lu, M. Maggioni, J. Mattingly, S. Mukherjee, J. Nolan

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.

Analysis & Partial Differential Equations

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

Numerical Analysis & Scientific Computing

Multiscale Methods: I. Daubechies, A. Layton, J.-G. Liu, J. Lu, M. Maggioni, J. Mattingly, J. Nolan • Computational Geometry and Topology: P. Aspinwall, 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

Fluid Dynamics

T. Beale, J.-G. Liu, J. Mattingly, T. Witalski

The Graduate Faculty

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The Applied Mathematics Graduate Program at UC Merced is focused on applications of analytical and computational tools to solving real life problems. The minimum requirement for graduate admission to UCM is a bachelor's degree in applied mathematics or related field with an undergraduate grade point average no lower than 3.0 on a 4.0 scale.