

2006 CNA Summer School

Probabilistic and Analytical Perspectives on Contemporary PDEs



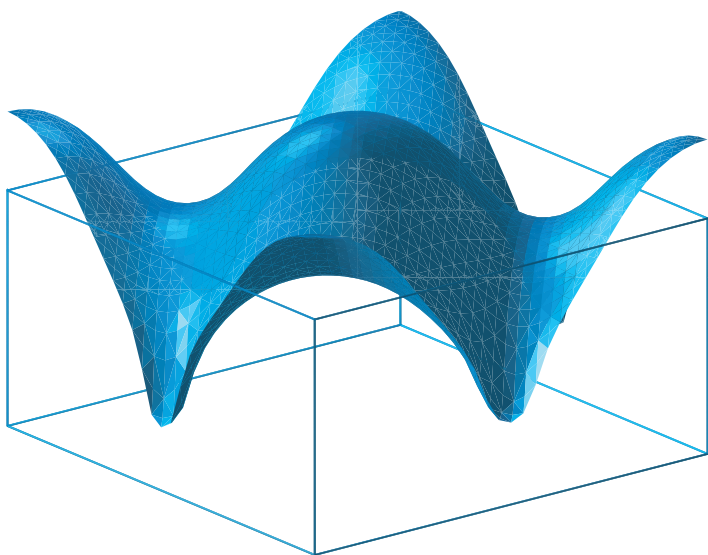
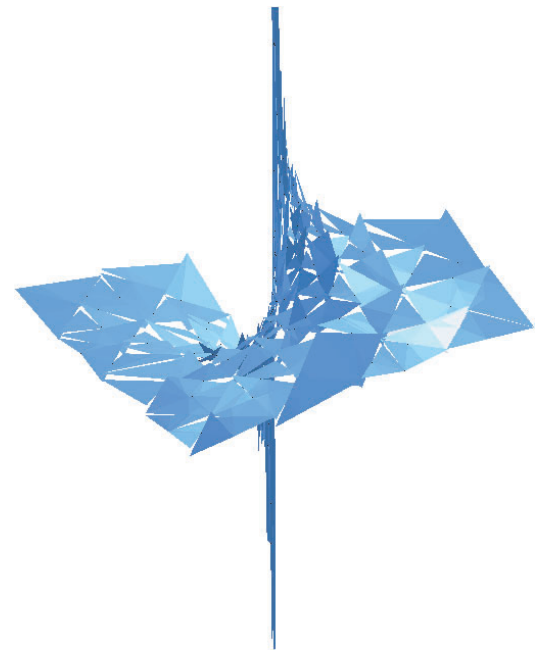
Center for Nonlinear Analysis

Carnegie Mellon University, Pittsburgh, PA

May 29 – June 6, 2006

Topics will cover:

- ▶ Essential uses of probability in analysis
- ▶ Quantitative unique continuation for elliptic, parabolic and dispersive equations, and applications
- ▶ Adaptive finite element methods for elliptic PDEs
- ▶ Fully nonlinear stochastic partial differential equations and applications
- ▶ Interacting particle systems and their scaling limits



List of lecturers:

Krzysztof Burdzy, University of Washington

Carlos Kenig, University of Chicago

Ricardo Nochetto, University of Maryland

Panagiotis Souganidis, University of Texas at Austin

Srinivasa Varadhan, New York University

Organizers:

Irene Fonseca, Giovanni Leoni,

Robert Pego, Kavita Ramanan

Graduate students and postdocs are encouraged to contribute a presentation for this conference. **The deadline for submission of contributed abstracts is March 1, 2006.**

Advanced undergraduate students, graduate students, and postdoctoral fellows are encouraged to apply for financial support. **The deadline for applications is March 15, 2006.**

Center for Nonlinear Analysis

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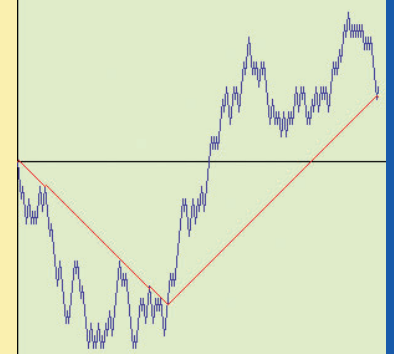
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<http://www.math.cmu.edu/cna/Summer06>

This conference is sponsored by the National Science Foundation and the Department of Mathematical Sciences at Carnegie Mellon University.



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