



Department of Mathematics
Seminars and Colloquia

April 6–10, 2009

Geometric Analysis Seminar

Monday Professor Yi–Jen Lee, Purdue University REC 116
April 6 “Periodic Floer Homology and Seiberg–Witten Floer Cohomology, II”
3:30 P.M.

Probability Seminar

Monday Professor Samy Tindel, University of Nancy REC 316
April 6 “Approximations of Fractional Differential Equations”
3:30 P.M.

Student Commutative Algebra Seminar

Monday Mr. Jason McCullough, University of Illinois at Urbana–Champaign MA 215
April 6 “The Strong Direct Summand Conjecture and Related Homological Problems”
4:30 P.M.

Computational Finance Seminar

Monday Dr. Igor Cialenco, Illinois Institute of Technology UNIV 201
April 6 “Technical Trading Profits in Foreign Exchange Markets”
4:30 P.M.

Bridge to Research Seminar

Monday Professor Carl Cowen, Purdue University Math Library
April 6 “What Is A Composition Operator?” Lounge
4:30 P.M.

Spectral & Scattering Theory Seminar

Tuesday Professor Dean Baskin, Stanford University REC 317
April 7 “The Wave Equation on Asymptotically de Sitter Spaces”
2:00 P.M.

Operator Algebras Seminar

Tuesday Mr. José Luis Lugo, Purdue University Math 731
April 7 “A Non Associative Tensor Product”
2:30 P.M.

Department of Mathematics Colloquium

Tuesday Professor Vladimir Peller, Michigan State University MATH 175
April 7 “The Behavior of Functions of Operators Under Perturbations”
4:30 P.M.

Working Algebraic Geometry Seminar

Wednesday Dr. Manish Kumar, Michigan State University MATH 731
April 8 “Free Subgroups of the Fundamental Group of Curves (in positive
characteristic)”
3:30 P.M.

Student Topology/Geometry Seminar

Thursday April 9	Mr. Botong Wang, Purdue University “Relations Between Topology and Curvature” 4:30 P.M.	REC 121
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Student PDE Seminar

Thursday April 9	Mr. William Lindsey, Purdue University “Viscosity Solutions, Continued” 4:30 P.M.	REC 112
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Number Theory Seminar

Thursday April 9	Professor Alain Togbe, Purdue University North Central “On Families of Diophantine Triples” 4:30 P.M.	MATH 215
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Computational and Applied Mathematics

Friday April 10	Professor Qiang Ye, University of Kentucky “Eigenvalue Problems and the LTSA Algorithm for Nonlinear Dimensionality Reduction” 3:30 P.M.	REC 122
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You can also view this information on our departmental web page:
<http://calendar.science.purdue.edu/math/seminars>