

The Combinatorics Seminar

FALL 2009

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Directions to the department.

Organizers: Laura Anderson, Emanuele Delucchi, and Thomas Zaslavsky.

Tuesday, September 1

Organizational Meeting

Time: 1:15 - 2:00

Room: LN-2205

Tuesday, September 8

Speaker: Lucas Rusnak (Binghamton)

Title: Oriented Incidence and a Generalization of Hypergraphs: An Introduction

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, September 15

Speaker: Lucas Rusnak (Binghamton)

Title: Oriented Incidence and a Generalization of Hypergraphs: Balance and Dependency

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, September 22

Speaker: Thomas Zaslavsky (Binghamton)

Title: Psycho-Graph Math on Two-Mode Signed Networks

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, September 29

Speaker: Amanda Ruiz (Binghamton)

Title: When Do Two Planted Graphs Have the Same Cotransversal Matroid?

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, October 6 (joint with the Geometry and Topology Seminar)

Speaker: Priyavrat Deshpande (Western Ontario)

Title: Arrangements of Submanifolds and the Tangent-Bundle Complement

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, October 13 (joint with the Geometry and Topology Seminar)

Speaker: Max Wakefield (Annapolis)

Title: Topological Formality of Arrangements of Subspaces Derived from Edge-Colored Hypergraphs

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, October 20

Speaker: Tom Head (Binghamton)

Title: Computing Transparently: The Independent Sets in a Graph

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, October 27

Speaker: Emanuele Delucchi & Laura Anderson (Binghamton)

Title: Complex Matroids

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, November 3

Speaker: Nate Reff (Binghamton)

Title: Extensions of Spectral Graph Theory

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, November 10

Speaker: Caroline Klivans (Chicago and Cornell)

Title: A Geometric Interpretation of the Characteristic Polynomial of a Hyperplane Arrangement

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, November 17 (joint with the Algebra and Number Theory Seminars)

Speaker: Justin Lambright (Lehigh)

Title: A Combinatorial Interpretation for Computations in the Quantum Polynomial Ring

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, November 24 (joint with the Algebra and Number Theory Seminars)

Speaker: Matthias Beck (San Francisco State University)

Title: Symmetrically Constrained Compositions of an Integer

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, December 1

Speaker: Lucas Sabalka (Binghamton)

Title: Graph Braid Groups **[Cancelled]**

Time: 1:15 - 2:15

Room: LN-2205

Tuesday, December 8

Speaker: Simon Joyce (Binghamton)

Title: The Sum of Squares of Degrees in a Graph

Time: 1:15 - 2:15

Room: LN-2205

Friday, December 18 (Special time)

Speaker: Lucas Rusnak (Binghamton)

Title: Oriented Hypergraphs, Parts I & II

Time: 10:30 - 11:30 and 1:00-2:00

Room: LN-1120 (**Note special room.**)

These lectures are the Ph.D. thesis defense of Mr. Rusnak. His examining committee is Laura Anderson, Gerard Cornuejols (Carnegie-Mellon), Marcin Mazur, and Thomas Zaslavsky (chair).

Everyone is welcome to attend.

Past Semesters: [Spring 2009](#) | [Fall 2008](#) | [Spring 2008](#) | [Fall 2007](#) | [Spring 2007](#) | [Fall 2006](#) | [Spring 2006](#) | [Fall 2005](#) | [Spring 2005](#) | [Fall 2004](#) | [Spring 2004](#) | [Fall 2003](#) | [Spring 2003](#) | [Fall 2002](#) | [Spring 2002](#) | [Fall 2001](#) | [Spring 2001](#) | [Fall 2000](#) | [Spring 2000](#) | [Fall 1999](#) | [Spring 1999](#) | [Fall 1998](#)

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