2025/09/05 09:42 1/3 The Combinatorics Seminar

The Combinatorics Seminar

FALL 2008

Best Viewed With Any Browser

Directions to the department.

Organizers: Emanuele Delucchi, and Thomas Zaslavsky.

The usual day, time, and place are:

Tuesdays, 1:15 - 2:15, in

Room LN-2205,

with coffee, tea, and cookies at 3:45 in the Anderson Room, LN-2207.

Some meetings will be at other times, e.g., when joint with other seminars.

This semester we will have several talks on **non-crossing partitions**. Here is the link to a short bibliography, including papers that will be presented. Here are links to a first list and second list of relevant papers with reviews (there is overlap with the short bibliography).

Tuesday, September 2

Organizational Meeting (all should come)

+ chat with

Speaker: Thomas Zaslavsky (Binghamton)

Title: Fun at Summer Conferences

Time: 1:15 - 2:15 Room: LN-2205

- Tuesday, September 9

Speaker: Emanuele Delucchi (Binghamton)

Title: Finite Reflection Groups, Non-Crossing Partitions, and a Theorem of Deligne

Time: 1:15 - 2:15 Room: LN-2205

Tuesday, September 16

Speaker: Thomas Zaslavsky (Binghamton)

Title: Quasigroups via Graphs

Time: 1:15 - 2:15 Room: LN-2205

Tuesday, September 23

Speaker: Ed Swartz (Cornell)
Title: Three Complexes

Time: 1:15 - 2:15

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Room: LN-2205

Tuesday, September 30

Holiday; no meeting.

Tuesday, October 7

Speaker: Thomas Zaslavsky (Binghamton)

Title: Tutte Functions of Matroids

Time: 1:15 - 2:15 Room: LN-2205

Tuesday, October 14

Speaker: Garry Bowlin (Binghamton)
Title: Non-Crossing Partitions, I

Time: 1:15 - 2:15 Room: LN-2205

■ Tuesday, October 21

Speaker: Garry Bowlin (Binghamton)
Title: Non-Crossing Partitions, II

Time: 1:15 - 2:15 Room: LN-2205

Wednesday, October 29 (Special day)

Speaker: Laura Anderson (Binghamton)

Title: Representation of Matroids by Homotopy Spheres

Time: 2:20 - 3:20 (Special time)

Room: LN-2205

■ Tuesday, November 4

No meeting today - Election day.

Tuesday, November 11

Speaker: Nate Reff (Binghamton)

Title: The Lattice of Non-Crossing Partitions

Time: 1:15 - 2:15 Room: LN-2205

Thursday, November 13 (Colloquium)

Speaker: Joanna Ellis-Monaghan (St. Michael's College)

Title: The Tutte Polynomial and Potts Model in Statistical Mechanics

Time: 4:30 - 5:30 Room: LN-2205

Friday, November 14 (Special day)

Speaker: Joanna Ellis-Monaghan (St. Michael's College) Title: Multivariable Tutte and Transition Polynomials

Time: 2:20 - 3:20 (Special time)

Room: LN-2205

Tuesday, November 18

Speaker: Jackie Kaminski (Binghamton)
Title: Regular Non-Crossing Partitions

Time: 1:15 - 2:15 Room: LN-2205

■ Tuesday, November 25 (joint with the Algebra Seminar)

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Speaker: Thomas Zaslavsky (Binghamton)
Title: Graphic Matrices Over a Group

Time: 1:15 - 2:15 Room: LN-2205

Tuesday, December 2 (joint with the Algebra Seminar)

Speaker: Simon Joyce (Binghamton)

Title: The Symmetric Group and Non-Crossing Partitions

Time: 1:15 - 2:15

Room: LN-2205 I will define a poset relation on the symmetric group S_n , which gives a natural order-preserving function from S_n to the lattice of partitions. If we restrict our attention to elements in S_n under a particular n-cycle, we have a lattice which is isomorphic to the lattice of non-crossing partitions. If time permits I'll talk about some of the implications. This work is based on a paper by Thomas Brady.

Tuesday, December 9

Speaker: Lucas Rusnak (Binghamton)

Title: A Multidirected Hypergraph Representation of Matrices with 0, 1, -1 Entries, Part I

Time: 1:15 - 2:15

Room: LN-2205 A multi-directed hypergraph is a combinatorial representation of $\{0, +1, -1\}$ -matrices that extends the concepts of signed graphs to hypergraphic analogs. I will discuss their discovery and development from hypergraphic matrices and the problems in extending the signed-graphic treatment of the classification of column dependencies.

■ Tuesday, December 16

Speaker: Lucas Rusnak (Binghamton)

Title: A Multidirected Hypergraph Representation of Matrices with 0, 1, -1 Entries, Part II

Time: 2:50 - 3:50 (Special time)

Room: SW-231 **(Special room)** A multi-directed hypergraph is a combinatorial representation of $\{0, +1, -1\}$ -matrices that extends the concepts of signed graphs to hypergraphic analogs. I will discuss their discovery and development from hypergraphic matrices and the problems in extending the signed-graphic treatment of the classification of column dependencies.

Past Semesters: Spring 2008 Fall 2007	<u>' Spring 2007 I</u>	Fall 2006 Spring 2	006 Fall 2005	Spring 200	05 <u>Fall 2004</u>
<u>Spring 2004</u> <u>Fall 2003</u> <u>Spring 2003</u>	Fall 2002 Sprin	ng 2002 Fall 2001	Spring 2001	Fall 2000 9	Spring 2000
Fall 1999 Spring 1999 Fall 1998					

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