The Combinatorics and Number Theory Seminar

SPRING 2003

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Organizers: Laura Anderson, Matthias Beck, and Thomas Zaslavsky.

Monday, January 27

Speaker: Thomas Zaslavsky (Binghamton)

Title: Semiunique Representation of Some Biased-Graphic Matroids

Time: 3:30 - 4:30 Room: LN-2201

Monday, February 3

Speaker: Marcin Mazur (Binghamton)

Title: Davenport's Constant of a Finite Abelian Group

Time: 4:40 - 5:40 Room: LN-2205

Monday, February 10

Speaker: Ed Swartz (Cornell)

Title: Representations of Matroids

Time: 1:10 - 2:10 (Note the time!)

Room: LN-2205

Monday, February 17

NO MEETING

Monday, February 24

Speaker: Matthias Beck (Binghamton)

Title: Brion's Theorem and its Applications

Time: 1:10 - 2:10 Room: LN-2205

Monday, March 3

Speaker: Steven Dougherty (Univ. of Scranton)

Title: Building Complex and Quaternionic Lattices from Codes over Rings

Time: 4:40 - 5:40 Room: LN-2205

• Monday, March 17

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Speaker: Matthias Beck (Binghamton)

Title: Brion's Theorem and its Applications, Part II

Time: 1:10 - 2:10 Room: LN-2205

Monday, March 24

Speaker: Rigoberto Florez (Binghamton)

Title: The Relationship Between Full Algebraic Matroids and Lattice Properties, Part I: Pseudomodularity and Double

Circuits

Time: 4:40 - 5:40 (Note time change.)

Room: LN-2205

This is the first part of Mr. Florez's doctoral candidacy exam. The examining committee consists of Matthias Beck,

Fernando Guzmán, and Thomas Zaslavsky (chair). Everyone is invited to attend.

Tuesday, March 25 (joint with the Algebra Seminar)

Speaker: Rigoberto Florez (Binghamton)

Title: The Relationship Between Full Algebraic Matroids and Lattice Properties, Part II: Pseudomodularity and Full

Algebraic Matroids Time: 2:50 - 3:50 Room: LN-2205

This is the second part of Mr. Florez's doctoral candidacy exam. The examining committee consists of Matthias

Beck, Fernando Guzmán, and Thomas Zaslavsky (chair). Everyone is invited to attend.

Friday, March 28 (Note special day.)

Speaker: Caroline Klivans (MIT)

Title: Shifted Complexes

Time: 1:10 - 2:10 Room: LN-2205

Monday, March 31

Speaker: Isabel Cristina Ruiz (Binghamton)

Title: There is No Tame Triangulation of the Infinite Real Grassmannian

Time: 1:10 - 2:10 Room: LN-2205

• Monday, April 7

Speaker: Thomas Zaslavsky (Binghamton)

Title: Polygon Space Time: 1:10 - 2:10 Room: LN-2205

- Monday, April 14

Speaker: Samuel Hsiao (Cornell)

Title: Eulerian Enumeration and Other Illustrations of the Peak Phenomenon

Time: 4:40 - 5:40 Room: LN-2205

Wednesday, April 23 (Note special day.)

Speaker: Ira Gessel (Brandeis University)

Title: Rational Functions with Nonnegative Power Series Coefficients

Time: 4:40 - 5:40 Room: LN-2205

- Thursday, April 24: Colloquium

Speaker: Ira Gessel (Brandeis University)

Title: The WZ Method for Combinatorial Identities

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

Monday, April 28

Speaker: Lori Koban (Binghamton)
Title: Using Gains to Lift Matroids

Time: 1:10 - 2:10 Room: LN-2205

Monday, May 5 (joint with the Geometry and Topology Seminar)

Speaker: Isabel Cristina Ruiz (Binghamton)
Title: Combinatorializing Vector Bundles

Time: 1:10 - 2:10 Room: LN-2205

This is the first part of Ms. Ruiz's doctoral candidacy exam. The examining committee consists of Laura Anderson

(chair), Thomas Farrell, and Thomas Zaslavsky. Everyone is invited to attend.

■ Tuesday, May 6 (joint with the Geometry and Topology Seminar) (Note special day.)

Speaker: Isabel Cristina Ruiz (Binghamton)
Title: Topologizing Combinatorial Bundles

Time: 1:15 - 2:30 Room: LN-2205

This is the second part of Ms. Ruiz's doctoral candidacy exam. The examining committee consists of Laura Anderson

(chair), Thomas Farrell, and Thomas Zaslavsky. Everyone is invited to attend.

Tuesday, May 6 (Note special day.)

Speaker: Debra Waugh (Alfred University)
Title: The Order Dimension of Bruhat Order

Time: 4:30 - 5:30 Room: LN-2206

Thursday, May 8 (joint with the Geometry and Topology Seminar)

Speaker: Laura Anderson (Binghamton)
Title: Linked Spheres in Oriented Matroids

Time: 2:50 - 3:50 Room: LN-2205

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Monday, May 12

Speaker: Chris Bumgartner (Binghamton)

Title: The Extended Coin-exchange Problem of Frobenius for Arithmetic Sequences

Time: 4:40 - 5:40

Room: LN-2206 (Note special room.)

 $Past \ Semesters: \ \underline{Fall} \ 2002 \ | \ \underline{Spring} \ 2002 \ | \ \underline{Fall} \ 2001 \ | \ \underline{Spring} \ 2001 \ | \ \underline{Fall} \ 2000 \ | \ \underline{Spring} \ 2000 \ | \ \underline{Fall} \ 1999 \ | \ \underline{Spring} \ 1999 \ | \ \underline{Spring$

| Fall 1998

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