

Mock AMS Conference 2017

July 26 – July 27

Schedule

All talks in MLC 348

Wednesday, July 26

- 8:45-8:50 Opening Remarks
- 8:50-9:10 Luca Schaffler - Hyperbolic spaces and reflections
- 9:15-9:35 Ernest Guico - Galois Theory: Forwards and Backwards
- 9:40-10:00 Saurabh Gosavi - Essential dimension of symmetric groups
- 10:05-10:25 Makoto Suwama - SIC-POVM & abelian extensions of real quadratic fields

Coffee Break: 10:30-11:00

- 11:00-11:20 Xian Wu - Topological Mirror Symmetry
- 11:25-11:45 Nathaniel Zbaczek - Counting Weighted Compactifications of $M_{0,n}$
- 11:50-12:10 Andrew Maurer - Representation Theory via Geometry

Lunch: 12:15-1:45

- 1:45-2:05 Riley Ellis - Categories and the Cayley Embedding Theorem
- 2:10-2:30 Ziqing Xiang - Dimensions of Specht modules
- 2:35-2:55 Yidong Xu - The Minimum of a Convex Function

Coffee Break: 3:00-3:30

- 3:30-3:50 Zerotti Woods - A Brief Introduction to Information Theory
- 3:55-4:15 Eric Perkerson - Reevaluative Subspace Clustering
- 4:20-4:40 Clayton Mersmann - Spline Solutions to the Maxwell Equations

Thursday, July 27

- 9:10-9:15 Opening Remarks
- 9:15-9:35 WADE I - Intersecting Finite Sets of Integral Positive-Definite Binary
- 9:40-10:00 WADE II - An Elliptic Curve Analogue to the Fermat Numbers
- 10:05-10:25 Kübra Benli - Counting Pure Fields

Coffee Break: 10:30-11:00

- 11:00-11:20 Hans Parshall - Small Sumsets
- 11:25-11:45 Peter Woolfitt - A Fourier Analytic Approach to the Cap Set Problem
- 11:50-12:10 Jordan Clark - Platonic Solids and Euler Characteristic

Lunch: 12:15-1:45

- 1:45-2:05 Abraham Varghese - The Netflix Problem
- 2:10-2:30 David Galban - An Introduction to the Axiom of Determinacy
- 2:35-2:55 James Taylor - Nimbers and the Sprague-Grundy Theorem

Coffee Break: 3:00-3:30

- 3:30-3:50 Jason Joseph - Quandle Colorings and Knotted Surfaces
- 3:55-4:15 William Olsen - Naturality in Heegaard Floer Homology
- 4:20-4:40 Bret Stevenson - Fixed Points on the Sphere and Hofer Distance