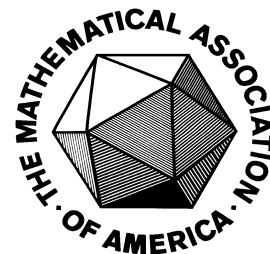
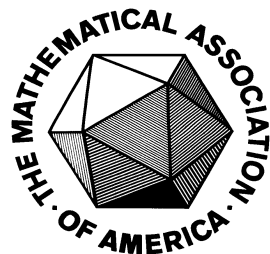


Student Contributed Paper Sessions

Eastern Pennsylvania and Delaware Section of
the Mathematical Association of America

St. Joseph's University

November 9, 2013



Session I-A: Undergraduate Student Talks (SC 200)

- 1:00 *Fractals*
Brian Munoz, Stella Koiki, University of the Sciences
- 1:12 *Algorithms for Computational Chemistry Simulations*
Vincent Castro, Melissa White, University of the Sciences
- 1:24 *Binary Coding*
Tyler Ki, Michael Watkowski, University of the Sciences
- 1:36 *Rene Descartes*
Jessica Yau, Abigail Baltz, University of the Sciences

Session I-B: Undergraduate Student Talks (SC 300)

- 1:00 *Genetic Algorithm*
Michael Elton, Morgan Dunn, University of the Sciences
- 1:12 *Functions Modeling Oxygen Binding Affinity of Myoglobin and Hemoglobin*
Megan Mohadjer Beromi, Meghan Roig, Katarina Rohlfing, University of the Sciences
- 1:24 *F-statistics in Genetics*
Yatong Li, Bryn Mawr College
- 1:36 *Parameter Testing of an Economic Learning Model*
Atticus Graven, Ursinus College

Session I-C: Graduate Student Talks (North Lounge)

- 1:00 *Proving There Are Infinitely Many Primes Using ... Topology!*
Christian Millichap, Temple University
- 1:18 *On the Mixed Boundary Value Problem for the Laplacian in Polygonal Domains in Two Dimensions*
Hussein Awala, Temple University
- 1:36 *On Solvability of PDEs*
Luca Pallucchini, Temple University
-
-

Session II-A: Undergraduate Student Talks (SC 200)

- 2:00 *Hyperbola Under Construction*
Andrew Miller, Franklin and Marshall College
- 2:12 *An Exploration of Projective Invariants in Perspective Art*
Elana Machlis, Franklin and Marshall College
- 2:24 *Multi-Crossing Knots*
Orsola Capovilla-Searle, Bryn Mawr College

Session II-B: Undergraduate Student Talks (SC 300)

- 2:00 *Mathematical Modeling, Sensitivity Analysis, and Optimal Control of Agroecosystems*
Cara Sulyok, Ursinus College
- 2:12 *Optimization of Macroscopic Models for the Approximation of Microscopic Traffic Flow*
Louis Graup, Temple University
- 2:24 *Solution Behavior of a Periodic Boundary Value Problem*
Claire Zajackowski, Gettysburg College

Session II-C: Graduate Student Talks (North Lounge)

- 2:00 *Multiplicative Invariant Theory*
Jessica Hamm, Temple University
- 2:18 *A Buffet of Algebras, With an Eye Towards Operads*
Brian Paljug, Temple University
-
-