**2008 Annual Spring Meeting of the
Metropolitan New York Section of the MAA**

**The Courant Institute of Mathematical Sciences
New York University
Saturday, 3 May 2008**

Schedule of Contributed Papers and Posters

Research Presentations
Presider: Jerry G. Ianni, LaGuardia Community College

1:20 − 1:40 PM: ***The Spirit of Discovery: The Digital Roots Of Integers***
Eric Milou and Jay L. Schiffman, Rowan University

1:40 − 2:00 PM: ***The Optimal Form of Distribution Networks Applied to the Kidney and Lung***
Walton R. Gutierrez, Touro College

2:00 − 2:20 PM: ***Sabermetrics: The Math Behind Baseball,*** Allen Paltrow

2:20 − 2:40 PM: ***On Gray Code, Signed Iteration and Cantor Sets,*** Matthew Manilow

2:40 − 3:00 PM: ***Further Relationships between Chebyshev Polynomials
Fibonacci and Lucas Numbers and other Functions of Interest***
Harvey J. Hindin, Emerging Technologies Group

3:00 − 3:20 PM: ***Unraveling the Complexity of the Metatarsal Length Pattern of the Human Foot***
Phillip H. Demp, Temple University

Pedagogical Presentations
Presider: Emad Alfar, Nassau Community College

1:20 − 1:40 PM: ***Emergent Spatial and Geometric Thinking: A Comparative Study of
Young American and Chinese Children's Block Play***
Chia-ling Lin, Nassau Community College & Daniel Ness, Dowling College

1:40 − 2:00 PM: ***Mathematics and Critical Thinking Interdisciplinary Pair:
Advantages and Benefits,*** Yasser Hassebo & Judit Torok, LaGuardia Community College

2:00 − 2:20 PM: ***The Cauchy Functional Equation in Teaching Statistics***
Alexander Vaninsky, Hostos Community College

2:20 − 2:40 PM: ***Asymptotes of a logarithmic function can be hazardous to your financial health***
Frank Wang, LaGuardia Community College/CUNY

2:40 − 3:00 PM: ***Mathematics Exams in the CLEP Program: Their Relevance to
the College Curriculum***, Robin O'Callaghan, The College Board (NY)

3:00 − 3:20 PM: ***Wonder, Discovery and Intuition in Elementary Mathematics***
Andrew Grossfield, Ph. D., P. E., Vaughn College

More ⟶

Student Presentations

Presider: David N. Seppala-Holtzman, St. Joseph's College (Brooklyn)

1:20 – 1:40 PM: ***Introducing k-long Numbers,*** Anthony Delgado, Purchase College
Advisors: Michael L. Gargano, Marty Lewinter, Joseph F. Malerba

1:40 – 2:00 PM: ***Symmetries of the Five Platonic Solids***
George Kuster, Stephanie Kenny & Alicia Bridgwood, St. Joesph's College (Patchogue)
Advisor: Professor Skenderi

2:00 – 2:20 PM: ***Phi Patterns in Nature and Beyond***
Leigh Johnson, Theresa Sampson & Heather O'Connell, St. Joseph's College (Patchogue)
Advisor: Dr. Donna Marie Pirich

2:20 – 2:40 PM: ***Prime Fractions: A Universe of Rings***
Sohil Jain, The Bronx High School of Science • Advisor: Ms. Joanne Strauss

2:40 – 3:00 PM: ***"Shortcuts" and "Operations" on Figurate Numbers***
Kaity Tung, The Bronx High School of Science • Advisor: Ms. Joanne Strauss

3:00 – 3:20 PM: ***Observing Patterns in an Array of Numbers***
Amy (Chun Yun) Hsu, The Bronx High School of Science • Advisor: Ms. Joanne Strauss

Contributed Posters

The Effectiveness of the "Do Math" Approaches - the Bridge to Close the Cognitive Gap Between Arithmetic and Algebra, Violeta C. Menil and Olen Dias, Hostos Community College

The Enigma of Stanislaw Ulam: Mathematical Triumph in the Face of Brain Injury
Alexander Atwood, Suffolk County Community College

The Voynich Manuscript Revisited, Marina Vulis, University of New Haven

Sequences of Rational Approximations for the Square Roots of Certain Primes
James E. Carpenter, Iona College

The Quadratic Formula is Actually a Special Case of a More General Formula
Ron Skurnick and Mohammad Javadi, Nassau Community College

Where Did nx^{n-1} Come From?, George H. McCormack, LaGuardia Community College

Solution of Equations of Projectile Motion Using Euler's Method
George Klimi, Pace University (NYC) & City Tech (Brooklyn)
Jack Lowenthal, City Tech (Brooklyn)

Math Circles in the Metro NY Region
Ming Jack Po, Columbia University (CCNY)
Dmitry Sagalovskiy, Google
Japheth Wood, Bard College MAT Program