

Student Talk Schedule

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- 1:30 – 1:45 **Mark Ibrahim, Hamilton College**
Cryptography: Secret Sharing
- 1:45 – 2:00 **Kristin Stenerson, Hamilton College**
Lagrange and Newton Interpolation
- 2:00 – 2:15 **Scott Constable, Ithaca College**
Elliptic Curves and Modular Forms: Application to Cryptology
- 2:15 – 2:30 **Taylor Borcyk, Ithaca College**
Weighing in on Weighted Voting
- 2:30 – 2:45 **Kathryn Walker, Elmira College**
Rounding Bias of Geometric and Poisson Distributions
- 2:45 – 3:00 **Michael Griffith, Ithaca College**
Figurate Numbers in Arbitrarily Many Dimensions
- 3:00 – 3:15 **Robert Huben, Hamilton College**
Can $A^{-1}+B^{-1}=(A+B)^{-1}$?
- 3:15 – 3:30 **Dan Rossi, SUNY Geneseo**
Numerical Ranges: When is a Matrix like an Ellipse?
- 3:30 – 3:45 **Sheraz Iqbal, Ithaca College**
Where are Limits Used in Calculus?
- 3:45 – 4:00 **Spencer Gulbronson, Hamilton College**
Solving Solitaire
- 4:00 – 4:15 **Zijun Zhang and Yating Guan, Hamilton College**
Differences In Housing Choices Among Student Groups

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- 1:30 – 1:55 **Elisa Napierala, Nazareth College**
Mathematics Anxiety Anonymous
- 2:00 – 2:25 **Kelly Husted and Kerrie Sirianni, Nazareth College**
How Poor Mathematical Attitude Impacts Learning
- 2:30 – 2:55 **Eileen Bruns and Caitlin VerSchneider, Nazareth College**
Got PCK?
- 3:00 – 3:25 **Zane Glauber, Hamilton College**
Substitutions and the Tower of Hanoi Puzzle
- 3:30 – 3:55 **Keon Wilson, SUNY Oneonta**
Circumference and Diameter in Various Geometries
- 4:00 – 4:15 **Mark Kleehammer, SUNY Fredonia**
Star Studded Mathematics

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- 1:30 – 1:55 **Yinghan Ding, Hamilton College**
A Dynamical Systems Approach to Prove Fermat's Little Theorem
- 2:00 – 2:25 **Alex Snow, Hamilton College**
Geometry of the Mandelbrot Set
- 2:30 – 2:55 **Louis Boguchwal, Hamilton College**
Optimal Vaccination Strategies
- 3:00 – 3:15 **Roy Wood and David Zanghi, D'Youville College**
Dynamics of Iterated Maps
- 3:15 – 3:30 **Sara Harding, Hamilton College**
The Relationship between Pascal's Triangle and Fractal Geometry
- 3:30 – 3:55 **Amelia Mattern, Hamilton College**
Matrix Magnitude and Eigenvalues: Relationship Status?