

MASON IV SCHEDULE

Saturday March 7

Time	Science Center 200	Science Center 202
8-9	Registration in Science Center Lobby	
9-9:50	Helen Grundman Joy & Happiness: Digital Sums and Variations	
10:00-10:20	Lindsay Dever Prime geodesics on compact, hyperbolic 3-manifolds	Robert Vaughan On some questions of partitio numerorum: Tres cubi
10:30-10:50	Jeffrey Yelton Abelian surfaces locally having order- ℓ^2 subgroups	Wing Hong Tony Wong Integer partitions with equal products
10:50-11:10	Coffee Break in Science Center Lobby	
11:10-11:30	Michael Wills Explicit non-special divisors of small degree on the Hermitian curve	Nathan McNew Counting pattern avoiding integer partitions
11:40-12:00	Gretchen Matthews Weierstrass semigroups of triples of points and applications	Joshua Harrington Classifying Super-totient Numbers
12:00-2:00	Lunch	
2:00-2:50	Steven Miller From the Manhattan Project to Elliptic Curves	
3:00-3:45	Problem Session	
3:45-4:00	Coffee Break in Science Center Lobby	
4:00-4:20	Dane Skabelund On the irreducibility of the non-reciprocal part of polynomials of the form $f(x)x^n + g(x)$	Emerald Stacy A Congruence Condition for Abelian Totally p-adic Numbers of Small Height
4:40-5:00	James Mc Laughlin New Infinite q-Product Expansions with Vanishing Coefficients	Hiram H Lopez Valdez Applications of the trace function and vanishing ideals to storage systems

Sunday March 8

Time	Science Center 200	Science Center 202
9-9:50	Amita Malik Zeros of derivatives of the completed Riemann zeta function	
10:00-10:20	Russell Jay Hendel Recursive Triangles embedded in Families of Recursive Sequences	Angel Kumchev Diminishing ranges for Diophantine inequalities
10:30-10:50	Michael Knapp Inhomogeneous Additive Equations	Nathan Ryan Congruences satisfied by eta-quotients
11:00-11:20	Zachary Scherr Integral Polynomial Pell Equations	Daniel White Extreme values of L -functions