

CANT 2024: Wednesday, May 22, 2024

- 9:00 - 9:25 a.m. Gábor Somlai (Zoom)
“New method for old results of Rédei, Lovász and Schrijver”
- 9:30 - 9:55 a.m. Sergei Konyagin (Zoom)
“On distinct angles in the plane”
- 10:00 - 10:25 a.m. Krystian Gajdzica (Zoom)
“A combinatorial approach to the Bessenrodt-Ono type inequalities”
- 10:30 - 10:55 a.m. James Sellers (Zoom)
“Elementary proofs of congruences for POND and PEND partitions”
- 11:00 - 11:25 a.m. Rauan Kaldybayev (Zoom)
“Limiting behavior in missing sums of sumsets”
- 11:30 - 11:55 a.m. Fred Tyrrell (Zoom)
“New lower bounds for cap sets”
- 12:00 - 12:25 p.m. Christian Tafula Santos (Zoom)
“Representation functions with prescribed rates of growth”
- 1:30 - 1:55 p.m. Noah Lebowitz-Lockard (in person)
“On the smallest parts of partitions into distinct parts”
- 2:00 - 2:25 p.m. Robert Donley (in person)
“A combinatorial introduction to adinkras”
- 2:30 - 2:55 a.m. Daniel Benjamin Flores (Zoom)
“A circle method approach to K -multimagic squares”
- 3:00 - 3:25 p.m. Leonid Fel (in person)
“Ratio between a sum of generators and rational powers of their product”
- 3:30 - 3:55 p.m. Aleksei Volostnov (Zoom)
“On the additive energy of roots”
- 4:00 - 4:25 p.m. Carl Pomerance (Zoom)
“Matchable numbers”
- 4:30 - 4:55 p.m. Steve Miller (in person)
“The theory of normalization constants and Zeckendorf decompositions”
- 5:00 - 5:30 p.m. Problem session (chaired by Steve Miller)

CANT 2024: Thursday, May 23, 2024

- 9:00 - 9:25 a.m. Jinhui Fang (Zoom)
“On Cilleruelo-Nathanson’s method in Sidon sets”
- 9:30 - 9:55 a.m. Norbert Hegyvari (Zoom)
“On the structures of sets in \mathbb{N}^k having thin subset sums”
- 10:00 - 10:25 a.m. Sukumar Das Adhikari (Zoom)
“Algebraic and combinatorial methods in the study of zero-sum theorems”
- 10:30 - 10:55 a.m. Paolo Leonetti (Zoom)
“Most numbers are not normal”
- 11:00 - 11:25 a.m. Eric Dolores Cuenca (Zoom)
“Zeta values as an algebra over an operad”
- 11:30 - 11:55 a.m. George Luan (Zoom)
“On a pair of diophantine equations”
- 12:00 - 12:25 p.m. Russell Hendel (Zoom)
“Distance-resistance functions equivalent to global symmetries in electric circuits”
- 1:30 - 1:55 p.m. Kevin O’ Bryant (in person)
“Greedy B_h -sets”
- 2:00 - 2:25 p.m. Jared Lichtman (Zoom)
“Goldbach beyond the square-root barrier”
- 2:30 - 2:55 a.m. Trevor Wooley (Zoom)
“Unrepresentation theory and sums of powers”
- 3:00 - 3:25 p.m. Brad Isaacson (Zoom)
“On a reciprocity formula for generalized Dedekind-Rademacher sums”
- 3:30 - 3:55 p.m. Christine K. Chang (in person)
“Statistics of the maxima of a random model of the zeta function over short intervals”
- 4:00 - 4:25 p.m. Firdavs Rakhmonov (Zoom)
“The quotient set of the quadratic distance set over finite fields”
- 4:30 - 4:55 p.m. Noah Kravitz (Zoom)
“Can you reconstruct a set from its subset sums?”
- 5:00 - 5:30 p.m. Problem session (chaired by Kevin O’ Bryant)

CANT 2024: Friday, May 24, 2024

- 9:00 - 9:25 a.m. Piotr Miska (Zoom)
“On the Frobenius problem with restrictions on common divisors of coefficients”
- 9:30 - 9:55 a.m. Ilya Shkredov (Zoom)
“On universal sets and sumsets”
- 10:00 - 10:25 a.m. Adrian Beker (Zoom)
“On a problem of Erdős and Graham about consecutive sums in strictly increasing s
- 10:30 - 10:55 a.m. Jonathan Chapman (Zoom)
“Monochromatic sums and products”
- 11:00 - 11:25 a.m. Andrzej Kukla (Zoom)
“Representing the number of binary partitions as sums of three squares”
- 11:30 - 11:55 a.m. Marc Technau (Zoom)
“Cilleruelo’s conjecture on the LCM of polynomial sequences”
- 12:00 - 12:25 p.m. Maciej Ulas (Zoom)
“On the Diophantine equation $x^3 \pm y^3 = a^k \pm b^k$ ”
- 1:30 - 1:55 p.m. Bartosz Sobolewski (Zoom)
“On block occurrences in the binary expansions of n and $n + t$ ”
- 2:00 - 2:25 p.m. Gergo Kiss (Zoom)
“Solutions to the discrete Pompeiu problem and to the finite Steinhaus tiling problem
- 2:30 - 2:55 p.m. James Cumberbatch (Zoom)
“Digitally restricted sets and the Goldbach conjecture”
- 3:00 - 3:25 p.m. Mel Nathanson (in person)
“Polynomial equations in infinitely many variables”
- 3:30 - 3:55 p.m. Mizan Khan (in person)
“A conjecture for clean lattice parallelograms”
- 4:00 - 4:25 p.m. Nathaniel Kingsbury (in person)
“The square-root law does not hold in the presence of zero divisors”
- 4:30 - 5:00 p.m. Steve Senger (in person)
“Multi-parameter point-line incidence estimates in finite fields and applications”
- 5:00 - 5:30 p.m. Problem session (chaired by Steve Senger)