

Program

August 28, Monday

8.30 - 9.15 **Registration**

9.20 - 9.30 **Opening**

Chair: *L. Mišák*

9.30 - 10.10 **K. Györy** **Integral polynomials of given discriminant and their applications**

Coffee break

Chair: *R. Kučera*

10.40 - 11.00	Š. Porubský	Uniform distribution of the weighted sum-of-digits functions II
11.05 - 11.25	B. Jadrijevič	Characterization of quadratic ε -CNS polynomials
11.30 - 11.50	K. Gyarmati	Random polynomials in Legendre symbol sequences
11.55 - 12.15	T. Karam	Ranges control degree ranks of multivariate polynomials over finite prime fields
12.20 - 12.40	N. Adžaga	Asymptotics of the number of $D(q)$ -pairs and $D(q)$ -triples via L -functions

Lunch time

Chair: *L. Hajdu*

14.00 - 14.20	B. Sobolewski	Hankel determinants associated with weighted binary sum of digits
14.25 - 14.45	D. Gayfulin	Second best approximations and the Lagrange spectrum
14.50 - 15.10	A. Munagi	Development of perfect partitions of numbers
15.15 - 15.35	M. Tinková	Additive structure of non-monogenic simplest cubic fields

Coffee break

Chair: *Sz. Tengely*

16.00 - 16.20	N. Varga	Polynomial values of Littlewood polynomials
16.25 - 16.45	K. Müllner	Test of measures of pseudorandom binary sequences
16.50 - 17.10	G. Batta	On higher power Diophantine tuples

Program

August 29, Tuesday

Chair: R. Tichy

9.00 - 9.40 **R. Kučera** **Annihilators of the class group of an Abelian field**

9.45 - 10.05 I. Gaál Monogeneity and power integral bases of algebraic number fields

10.10 - 10.30 L. Major Enumerating self-avoiding walks of prescribed lengths on finite grids

Coffee break

Chair: Š. Porubský

11.00 - 11.20 D. Kreso Pillai's problems with polynomials

11.25 - 11.45 F. Filip Matrix densities and the relations between them

11.50 - 12.10 L. Remete Monogeneity of pure relative quartic extensions of $\mathbb{Q}(i)$

12.15 - 12.35 M. Genčev On a parametric K -fold infinite series

Lunch time

Chair: L. Major

14.00 - 14.40 **V. Ziegler** ***Péter Kiss Memorial Section***
On Pillai's problem involving Lucas sequences

14.45 - 15.05 K. Liptai Random inhomogeneous binary recurrence

15.10 - 15.30 F. Rami About Pascal-like triangles

15.35 - 15.55 N. Irmak The k -generalized Lucas numbers and the inequality $|L_n^{(k)} - 2^m| < 2^{m/2}$

16.00-16.20 A. Bazsó Recent Diophantine results on power sums of arithmetic progressions

Coffee break

Conference banquet: 19.30-22.00, Nyugat Étterem (Restaurant Nyugat) in the main campus.

Preliminary Program

August 30, Wednesday

Chair: A. Bérczes

9.00 - 9.40 M. Ulas

Geometric progressions in the sets of values of rational functions

9.45 - 10.05 L. Hajdu

On polynomials having only rational roots

10.10 - 10.30 G. Walsh

Large rank specializations of Shioda's curve and a conjecture of Erdős on powerful numbers

Coffee break

Chair: P. Young

11.00 - 11.20 G. Nyul

Monogeneity and the minimal index of pure quartic fields

11.25 - 11.45 P. Francírek

Enlarging the Stickelberger ideal

11.50 - 12.10 B. Rago

A characterization of half-factorial orders in algebraic number fields

12.15 - 12.35 M. Pulikowski

Natural homomorphism of Witt rings of a non-maximal cubic order

Lunch time

14.00 Conference excursion to Eszterházy Palace, Fertőd, the "Hungarian Versailles"

The bus departs on Wednesday at 14:00 from the main entrance of the campus of University of Sopron. After visiting the palace in Fertőd (in two groups), the bus goes to Rupprecht Borozó (Sopron, Lőver körút 52.), where we have dinner by 18.00-20.30.

Preliminary Program

August 31, Thursday

Chair: G. Walsh

9.00 - 9.40	T. Miyazaki	Number of solutions to a special type of Pillai's equation
9.45 - 10.05	A. Pethő	Common values of linear recurrences related to Shank's simplest cubics
10.10 - 10.30	L. Mišík	On the set of maldistributed sequences in metric spaces

Coffee break

Chair: B. Jadrijevič

11.00 - 11.20	P. Young	Global series for height 1 zeta functions
11.25 - 11.45	L. Tóth	Menon's identity: proofs, generalizations and analogs
11.50 - 12.10	Sz. Tengely	Coloring collision problems
12.15 - 12.35	L. S. Altuzarra	Recent results on the geometry of numbers

Lunch time

Chair: M. Ulas

14.00 - 14.20	D. Nyirenda	Generalizing a theorem of Andrews
14.25 - 14.45	I. Pink	Additive Diophantine equations with binary recurrences, \mathcal{S} -units and several factorials
14.50 - 15.10	S. Tebtoub	About ellipses and integer sequences
15.15 - 15.35	I. Vukusic	On a simple quartic family of Thue equations

16.15 - 17.00	<i>Meeting</i>	Scientific Committee of CENT
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Preliminary Program

September 1, Friday

Chair: A. Munagi

9.00 - 9.40 **H. Belbachir**

Linear recurrences in binomial coefficient triangle and its extensions

9.45 - 10.05 A. Bérczes

Effective results for division points on curves over finitely generated domains

11.10 - 10.30 P. Miska

p -adic denseness of members of partitions of N and p -adic asymptotic densities

Coffee break

Chair: D. Gayfulin

11.00 - 11.20 T. Herendi

Automata and arithmetic in canonical number systems

11.25 - 11.45 T. Szakács

Repdigits in named sequences

Closing