

Diophantine Analysis and Related Fields 2019

2019年3月7–9日 [7–9, March, 2019]

筑波大学 自然科学系棟 D509

D509, Institute of Mathematics, University of Tsukuba

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3月7日 (木) [Thursday 7th March]

- 10:00–10:50 川島 誠 (大阪大学) [**Makoto Kawashima** (Osaka University)]
Linear independence measures for values of power of logarithm functions
- 11:00–11:50 **Alan Filipin** (University of Zagreb)
A polynomial variant of the problem of Diophantus
- 14:00–14:50 藤田 育嗣 (日本大学) [**Yasutsugu Fujita** (Nihon University)]
(joint work with Florian Luca)
Non-existence of Diophantine quadruples consisting of Fibonacci numbers
- 15:00–15:50 **Thomas Stoll** (Université de Lorraine)
The sum of digits in two different bases
- 16:00–16:50 阿部 隆次 (東京工芸大学) [**Ryuji Abe** (Tokyo Polytechnic University)]
Markoff spectrum and arithmetic Fricke groups
- 17:00–17:50 塩川 宇賢 (慶應義塾大学) [**Iekata Shiokawa** (Keio University)]
(joint work with Daniel Duverney and Takeshi Kurosawa)
Irrationality exponents of certain sums of rational numbers

3月8日(金) [Friday 8th March]

- 9:00-9:50 立谷 洋平 (弘前大学) [**Yohei Tachiya** (Hirosaki University)]
Refinement of Chowla-Erdős method and arithmetical properties of certain Lambert series
- 10:00-10:50 **Dong Han Kim** (Dongguk University)
On the set of inhomogeneous Diophantine approximations
- 11:00-11:50 釜江 哲朗 (大阪市立大学) [**Teturo Kamae** (Osaka City University)]
Normal numbers as configurations on \mathbb{N}^2
- 14:00-14:50 **Alan Haynes** (University of Houston)
Diophantine approximation and diffraction from quasicrystals
- 15:00-15:50 戸次 鵬人 (東京大学) [**Hohto Bekki** (The University of Tokyo)]
On the geodesic continued fraction and its periodicity
- 16:00-16:50 **Arnaldo Nogueira** (Institut de Mathématiques de Marseille)
On the action of the semigroup of non singular integral matrices on \mathbb{R}^n
- 17:00-17:50 井手 春希 (慶應義塾大学) [**Haruki Ide** (Keio University)]
Algebraic independence of the values and the partial derivatives of a certain entire function of two variables

3月9日(土) [Saturday 9th March]

- 10:00-10:50 大音 智弘 (テクノデータサイエンス・エンジニアリング株式会社)
[**Tomohiro Ooto** (Tecnos Data Science Engineering)]
Diophantine exponents for hyperquadratic continued fractions
- 11:00-11:50 宮崎 隆史 (群馬大学) [**Takafumi Miyazaki** (Gunma University)]
Application of cubic residue theory to a special type of unit equation concerning Eisenstein triples
- 12:00-12:50 金子 元 (筑波大学) [**Hajime Kaneko** (University of Tsukuba)]
Analogy of the Lagrange spectrum for powers of quadratic Pisot units