

Diophantine Analysis and Related Fields 2011

日程： 2011年3月3日(木) ~ 3月5日(土)

場所： 成蹊大学理工学部

会場： 14号館4階大会議室

研究集会開催にあたり，日本学術振興会（科学研究費，課題番号：19204001; 21540006; 21540010; 22540005），慶應義塾大学 学事振興資金，経済学部研究教育資金，より援助を受けています。

プログラム

3月3日(木):

- 9:35-9:40 開会;
- 9:40-10:10 Martin STEIN (FHDW Hannover)
Algebraic independence results for reciprocal sums of Fibonacci and Lucas numbers;
- 10:20-10:50 Carsten ELSNER (FHDW Hannover)
New algebraic independence results based on a theorem of Y. Nesterenko;
- 11:10-12:00 Nikolay MOSHCHEVITIN (Moscow Lomonosow Univ.)
Multi-dimensional Diophantine approximations and their applications;
- 12:00-14:00 昼休み ;
- 14:00-14:40 立谷 洋平 (慶應大)
Algebraic independence of infinite products generated by Fibonacci numbers;
- 14:50-15:20 田中 孝明 (慶應大)
Algebraic independence properties related to certain infinite products and Lambert series;
- 15:40-16:20 岡崎 龍太郎 (同志社大)
Weber's class number problem and Pohst's lower bound for algebraic units;
- 16:30-17:00 橋本 竜太 (香川高専)
Searching discriminants with large fundamental units via continued fraction expansions.

3月4日(金):

- 9:30-10:10 金子 元 (京都大)
On the b-ary expansions of algebraic irrational numbers;
- 10:20-10:50 Jonathan SONDOW (New York)
Some consequences of Schanuel's conjecture;
- 11:10-12:00 Yuri V. NESTERENKO (Moscow State Univ.)
On the irrationality measure of some numbers;
- 12:00-14:00 昼休み ;
- 14:00-14:30 藤田 育嗣 (日本大)
Generators for the elliptic curve $y^2 = x^3 - nx$ II;

14:40–15:30 袁平之 (South China Normal Univ.)

Ko's method and its application to Diophantine equations;

15:50–16:20 宮崎隆史 (首都大)

Exceptional cases of Terai's conjecture on Diophantine equations;

16:30–17:00 山田智宏 (京都大)

On diophantine equation $x^2 = p^g + p^f + p^e + 1$;

17:30–20:00 懇親会 .

3月5日 (土):

9:30–10:20 秋山茂樹 (新潟大)

On the spectrum of $\{-1, 0, 1\}$ polynomials;

10:40–11:10 野田工 (日本大)

On generalized Lipschitz-type formulae and applications II;

11:20–11:50 桂田昌紀 (慶應大)

Shintani zeta-functions of several variables and Lauricella hypergeometric functions;

11:50–11:55 閉会 .