

Diophantine Analysis and Related Fields 2008

March 5–7, 2008

Doshisha University, Kyoto, Japan

Organizers:

Ryotaro Okazaki (*Doshisha Univ*)

Masaaki Amou (*Gunma Univ*)

Isao Wakabayashi (*Seikei Univ*)

Noriko Hirata-Kohno (*Nihon Univ*)

Takao Komatsu (*Hirosaki Univ*)

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- Conference information
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- Diophantine Analysis and Related Fields 2007
- Diophantine Analysis and Related Fields 2006

CONFERENCE INFORMATION

Dates: Wednesday, March 5th – Friday, March 7th, 2008

Place: Kanbaikan, Conference room A

Muromachi Campus, Doshisha University, Kyoto, Japan

Access: Transportation facilities to Imadegawa Campus, Doshisha University

Access map to Muromachi (Imadegawa) Campus

CONFIRMED SPEAKERS

Michael Bennett (*Univ. British Columbia, Canada*)
Yann Bugeaud (*Univ. Louis Pasteur, France*)
Andrej Dujella (*Univ. Zagreb, Croatia*)
Yasutsugu Fujita (*Tohoku Gakuin*)
Yoshinori Hamahata (*Tokyo Univ. Science*)
Ryūta Hashimoto (*Takuma National College Tech.*)
Noriko Hirata-Kohno (*Nihon Univ.*)
Shuzo Izumi (*Kinki Univ.*)
Hajime Kaneko (*Kyoto Univ.*)
Masanobu Kaneko (*Kyushu Univ.*)
Takao Komatsu (*Hirosaki Univ.*)
Vichian Laohakosol (*Kasetsart Univ., Thailand*)
Hyunsuk Moon (*Kyungpook National Univ., Korea*)
Tatsuya Okada (*Fukushima Medical Univ.*)
Iekata Shiokawa (*Keio Univ.*)
Yohei Tachiya (*Keio Univ.*)
Rina Takada (*Nihon Univ.*)
Taka-aki Tanaka (*Keio Univ.*)
Gary Walsh (*Univ. Ottawa, Canada*)

PROGRAM

3月5日 水曜日

- 10:00–10:05 Opening
- 10:10–11:00 Gary Walsh (Univ. Ottawa)
Recent progress on certain quartic Diophantine equations
- 11:20–12:00 Hajime Kaneko (Kyoto Univ.)
Fractional parts of powers of quadratic irrational numbers
and odometers
- 14:00–14:30 Ryuta Hashimoto (Takuma Coll. of Tech.)
Certain integers related to Ankeny-Artin-Chowla conjecture
- 14:40–15:30 Masanobu Kaneko (Kyushu Univ.)
A note on poly-Bernoulli numbers and multiple zeta values
- 16:00–16:40 Hyunsuk Moon (Kyungpook National Univ.)
On the finiteness and non-existence of certain mod 2
Galois representations of quadratic fields
- 16:50–17:20 Yoshinori Hamahata (Tokyo Univ. of Sci.)
Dedekind sums for finite fields

Thursday 6 March

- 10:00–10:50 Michael Bennett (Univ. British Columbia)
Powers in progression, Chebotarev and Hilbert class polynomials
- 11:10–12:00 Andrej Dujella (Univ. Zagreb)
Conjectures and results on the size and number of Diophantine tuples
- 14:00–14:30 Takao Komatsu (Hirosaki Univ.)
Continued fraction expansions of Fibonacci zeta functions
- 14:40–15:30 Carsten Elsner (Univ. Hannover)
Shun Shimomura, Iekata Shiokawa (Keio Univ.)
Algebraic independence of the Fibonacci zeta values
- 16:00–16:40 Yasutsugu Fujita (Tohoku Gakuin Univ.)
Diophantine quadruples containing some triples and the number
of Diophantine quintuples
- 16:50–17:40 Takaaki Tanaka (Keio Univ.)
Remarkable algebraic independence property of certain series
related to continued fraction
- 18:00–20:00 Banquet at Hamac de Paradis, Kanbaikan

Friday 7 March

- 10:00–10:50 Yann Bugeaud (Univ. Louis Pasteur)
On the many expansions of an algebraic number
- 11:10–12:00 Vichian Laohakosol, Kantaphon Kuhapatanakul (Kasetsart Univ.)
The irrationality criteria of Brun and Badea are essentially equivalent
- 14:00–14:30 Yohei Tachiya (Keio Univ.)
Pattern sequences in $(q, r)_j$ -numeration systems
- 14:40–15:30 Noriko Hirata-Kohno, Rina Takada (Nihon Univ.)
Linear forms in 3 elliptic logarithms
- 15:50–16:20 Hirotada Ito, Shuzo Izumi (Kinki Univ.)
Diophantine inequality for excellent Henselian local domains
- 16:30–17:00 Tatsuya Okada (Fukushima Med. Univ.)
Zenji Kobayashi, Takeshi Sekiguchi, Yasunobu Shiota
(Tohoku Gakuin Univ.)
On exponential sums of digital sums related to Gelfond's theorem
- 17:00–17:05 Closing

LOCAL INFORMATION

There are many varieties of hotels in Kyoto. The organizers do not arrange any specific hotel. Some useful sites to find hotels are the following.

Rakuten travel
Hotel Club
iTravel

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