

[062]MIレクチャーノート表紙奥付等

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Workshop on "β-transformation and related topics"

Date: 10:00 -17:30, March 10 (Tue.), 2015

Venue: Institute of Mathematics for Industry, Kyushu University

Speakers

Charlene Kalle
Leiden University

Isomorphisms Between Positive and Negative Beta-Transformations

Evgeny Verbitskiy
IMI, Kyushu University & Leiden University
Random Expansions of Numbers

Shigeki Akiyama
University of Tsukuba
Beta Expansion with Rotation

Tohru Kohda
Kyushu University, Emeritus
β-Encoder: Symbolic Dynamics and Electronic Implementation for AD/DA Converters

Yutaka Jitsumatsu
Kyushu University
A Random Binary Sequence Generator Based on Beta Encoders

Ryokichi Tanaka
Tohoku University
Random Dirichlet Series Arising from Records

Hiroki Sumi
Osaka University
Multifractal Analysis for Complex Analogues of the Devil's Staircase and
the Takagi Function in Random Complex Dynamics

Organized by Tomoyuki Shirai (IMI, Kyushu University)

Supported by Progress 100 -World Premier International Researcher Invitation Program-, Kyushu University

Contact=Office: Institute of Mathematics for Industry, Kyushu University, Fukuoka, 819-0395, JAPAN PHONE: 092-802-4404 FAX: 092-802-4405 E-mail: imabayashi@math.kyushu-u.ac.jp



九州大学
KYUSHU UNIVERSITY

Workshop on “ β -transformation and related topics” 10 March, 2015 at IMI, Kyushu University

Program

3/10 (Tue) Chu Seminar Room 1

- 10:00 - 10:50 Charlene Kalle (Leiden)
Isomorphisms between positive and negative beta-transformations
- 11:00 - 11:40 Shigeki Akiyama (Tsukuba)
Beta expansion with rotation
- 13:00 - 13:40 Tohru Kohda (Kyushu, Emeritus)
 β -encoders: symbolic dynamics and electronic implementation for AD/DA converters
- 13:50 - 14:30 Yutaka Jitsumatsu (Kyushu)
A random binary sequence generator based on beta encoders
- 14:50 - 15:30 Ryokichi Tanaka (Tohoku)
Random Dirichlet series arising from records
- 15:40 - 16:20 Hiroki Sumi (Osaka)
Multifractal analysis for complex analogues of the devil’s staircase and the Takagi function in random complex dynamics
- 16:40 - 17:30 Evgeny Verbitskiy (Kyushu, Leiden)
Random expansions of numbers

This workshop is supported by Progress 100 (World Premier International Researcher Invitation Program), Kyushu University.