

Recent Progress in Ergodic Theory

Dates October 22 (Wed) – October 24 (Fri), 2025

Venue Room 111, Research Institute for Mathematical Sciences,
Kyoto University

Organizers Michihiro Hirayama (University of Tsukuba)
Rie Natsui (Japan Women's University)

PROGRAM

October 22 (Wed)

- 13:00–14:00 Jon Aaronson (Tel Aviv University)
Extravagance, Irrationality and Diophantine approximation
- 14:15–14:45 Hitoshi Nakada (Keio University)
Some background on the theory of cylinder map arising from irregularities in uniform distribution
- 15:00–15:45 Omri Sarig (Weizmann Institute of Science)
Irregularities in Uniform Distribution and Dynamics on the Infinite Staircase I
- 16:00–16:45 Omri Sarig (Weizmann Institute of Science)
Irregularities in Uniform Distribution and Dynamics on the Infinite Staircase II

October 23 (Thu)

- 10:00–11:00 Shunsuke Usuki (Keio University)
On the L^q dimension of self-conformal measures for Möbius iterated function systems
- 11:15–12:15 Tom Meyerovitch (Ben-Gurion University)
Invariant Random Orders on Groups: Realization and Extension
- 13:30–14:30 Toru Sera (The University of Osaka)
Large deviations for occupation and waiting times of infinite ergodic transformations
- 14:45–15:30 Dmitry Dolgopyat (University of Maryland)
Irregularities in Uniform Distribution and Dynamics on the Infinite Staircase III
- 15:45–16:30 Dmitry Dolgopyat (University of Maryland)
Irregularities in Uniform Distribution and Dynamics on the Infinite Staircase IV

October 24 (Fri)

- 10:00–11:00 Younghwan Son (Pohang University of Science and Technology)
Weighted uniform distribution of subpolynomial Hardy field functions
- 11:15–12:15 Masaki Tsukamoto (Kyoto University)
Rate distortion dimension of random Brody curves