

Workshop on “Non-commutative Probability and Related Fields”
「非可換確率論と関連分野」

Date: 21 November, 2019 -- 23 November, 2019

Venue: Meeting Room on 6th floor, Commons Building for Graduate School,
Ochanomizu University, Tokyo, Japan

Time Table

[*]: short-talk by graduate students in master course

21st November (Thu)

- 13:30 -- 14:15 UEDA Yuuki (Hokkaido University)
Free infinite divisibility for the Fuss-Catalan distributions
- 14:25 -- 15:10 ANDO Hiroshi (Chiba University)
Polish groups of unitaries
- 15:30 -- 16:15 KITAGAWA Megumi (Ochanomizu University)
Multi-state asymmetric simple exclusion processes
- 16:25 -- 17:10 SATO Ryouzuke (Nagoya University)
Ergodic theoretical aspects of asymptotic representation theory
- 17:15 -- 17:35 *OHNO Nanami (Ochanomizu University)
The Shannon-McMillan theorem for AF C^* -dynamical systems by example of $SU(n)$
fixed point subalgebra

22nd November (Fri)

- 9:45 -- 10:05 *NEMOTO Yuka (Ochanomizu University)
Behavior of eigenvalues of Gaussian kernel matrices for parameter variation
- 10:10 -- 10:30 *NINOMIYA Benio (Ochanomizu University)
Fermionic Meixner operators and their moment generating functions
- 10:40 -- 11:25 ASAI Nobuhiro (Aichi University of Education)
Some Gaussian type operators and nontrivial examples from q -orthogonal polynomials
- 11:35 -- 12:20 UEDA Yoshimichi (Nagoya University)
A new approach to free mutual information

—Lunch Break—

- 13:30 -- 14:15 HORA Akihito (Hokkaido University)
Dynamical limit shape problem for random Young diagrams
- 14:25 -- 15:10 OBATA Nobuaki (Tohoku University)
Quadratic embedding constants of graphs
- 15:30 -- 16:15 STAN Aurel (Ohio State University)
Three-dimensional 1-Meixner random vectors
- 16:25 -- 17:10 HASEBE Takahiro (Hokkaido University)
Eigenvalue distributions of iterated comb products of graphs and a new independence

23rd November (Sat)

- 9:45 -- 10:30 HAYASE Tomohiro (Fujitsu Laboratory)
Scaling limit of random neural networks and free probability theory
- 10:40 -- 11:25 FUKUDA Motohisa (Yamagata University)
Some classes of random quantum channels violating additivity
- 11:35 -- 12:20 HIAI Fumio (Tohoku University)
Sufficiency and reversibility in von Neumann algebras: Petz' work revisited

Organizers : YOSHIDA Hiroaki (Ochanomizu University) Local
ASIA Nobuhiro (Aichi University of Education)