

# ランダム作用素のスペクトルと関連する話題

- 平成21年12月2日(水) - 4日(金)
- 京都大学吉田南4号館2F共20講義室

世話人：南 就将(慶應義塾大学)  
上木直昌(京都大学)

## Program

12月2日(水)

10:00–10:50 上木直昌(京都大学)

Lifschitz tails for the uniform magnetic field and a randomly perturbed lattice

11:00–11:50 F. Germinet (Université de Cergy-Pontoise)

Quantization of edge currents along magnetic barriers and magnetic guides

11:50–13:30 lunch break

13:30–14:20 P. Müller (Universität München)

On the spectral shift function of compactly supported perturbation

14:30–15:20 小谷眞一(関西学院大学)

Limit distribution of eigenvalues spacing for Schrödinger operators with random decaying potentials

15:20–15:40 tea break

15:40–16:30 中野史彦(高知大学)

On energy level statistics at low energy

16:40–17:30 F. Klopp (Université Paris 13)

The structure of the solutions to quasi-periodic finite difference equations in the large coupling regime (based on joint work with A. Fedotov)

12月3日(木)

9:30–10:20 J.-M. Combes (Université du Sud: Toulon et le Var)

Spectral Correlations for the Discrete Anderson model

10:30–11:20 A. Klein (University of California, Irvine)

Local Wegner estimates, Minami estimates, and Poisson statistics of eigenvalues for continuum Anderson Hamiltonians

**11:30–12:20** K. Slevin (大阪大学)

Finite size scaling analysis of the Chalker-Coddington model

**12:20–14:00** lunch break

**14:00–14:50** 永尾太郎 (名古屋大学)

Determinantal spectral correlations for chaotic systems

**15:00–15:50** 笹本智弘 (千葉大学)

Maximum of Dyson BM and Dyson BM with boundary

**15:50–16:10** tea break

**16:10–17:00** 氷上 忍 (東京大学)

Correlations at a spectrum edge of a random matrix

**12月4日 (金)**

**10:00–10:50** 香取真理 (中央大学)

Dyson's Brownian motion model with  $\beta = 2$  and entire functions  
(joint work with H. Tanemura)

**11:00–11:50** 佐久間紀佳 (慶應義塾大学)

Free additive infinite divisibility of free multiplicative convolutions with the Wigner measure, with examples

**11:50–13:30** lunch break

**13:30–14:20** 北垣芳彦 (京都大学)

Generalized eigenvalue-counting estimates for some random acoustic operators

**14:30–15:20** 南 就将 (慶應義塾大学)

Energy level statistics for the one-dimensional Anderson model

2009年10月26日