

“Random analytic functions, random matrices, and determinantal processes”

Date: November 29, 2013

Venue: (Chu-)Seminar Room 3, Faculty of Mathematics-Institute of Mathematics for Industry, Ito-campus, Kyushu University

(九州大学伊都キャンパス 数理学研究教育棟 3階 中セミナー室 3)

<http://www.kyushu-u.ac.jp/access/map/ito/ito-e.html>

Program

November 29 (Fri.)

10:00 – 10:50 Subhroshekhar Ghosh (Princeton)

Large deviations for zeroes of random polynomials with exponential coefficients

11:00 – 11:50 Trinh Khanh Duy (IMI, Kyushu)

Some results on spectral measures of Gaussian beta ensembles

11:50 – 13:20 Lunch

13:20 – 13:50 Makoto Katori (Chuo)

Determinantal martingales and determinantal processes

13:50 – 14:20 Setsuo Taniguchi (FAS, Kyushu)

Infinite products appearing in stochastic representations of soliton solutions

14:35 – 15:05 Tomoyuki Shirai (IMI, Kyushu)

Cellular network model and α -ginibre point processes

15:05 – 15:35 Yasunari Fukai (FM, Kyushu)

Hitting probability and green function of a two-dimensional simple random walk

15:50 – 16:20 Takashi Hara (FM, Kyushu)

The approach to equilibrium in typical macroscopic quantum systems

16:20 – 16:50 Fumio Hiroshima (FM, Kyushu)

The lowest eigenvalue of Rabi model and non-commutative harmonic oscillator

17:00 – 17:30 Hirofumi Osada (FM, Kyushu)

Palm resolution and restore density formulae of Ginibre random point field

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