

KAKENHI meeting

## Current topics on algebraic statistics and related fields

March 7 (Wed) – March 8 (Thurs), 2018

Room B314, Graduate School of Science, Kobe University

### March 7 (Wed)

15:00 – 15:40 **Ryuichi Sakamoto** (Kwansei Gakuin Univ.)

Quadratic Groebner bases of cut ideals

15:45 – 16:25 **Chang Yuan-Tsung** (\*) (Mejiro Univ.)

**Kazufumi Fukuda** (Waseda Univ.)

**Nobuo Shinozaki** (Keio Univ.)

Estimation of two ordered normal means when a covariance matrix is known

16:30 – 17:10 **Takeaki Kariya** (\*) (Josai International Univ.)

**Yuki Kobayashi** (Mitsui Home Estate)

A decomposition of  $t$ -value for judging influences of multicollinearity in variable selections and applications to housing rent analysis

### March 8 (Thurs)

10:00 – 10:40 **Seth Sullivant** (North Carolina State Univ.)

Combinatorial properties of hierarchical models

10:45 – 11:25 **Daniele Agostini** (Humboldt Univ.)

Discrete Gaussian distributions via theta functions

11:30 – 12:10 **Shuhei Mano** (Institute of Statistical Mathematics)

Partition structure and the  $A$ -hypergeometric distribution

13:30 – 14:10 **Kazuya Matsumoto** (Univ. of Tokyo)

**Tomonari Sei** (\*) (Univ. of Tokyo)

Computation of the rank likelihood of Gaussian copula models by the holonomic gradient method

14:15 – 14:55 **Keisuke Yano** (\*) (Univ. of Tokyo)

**Fumiyasu Komaki** (Univ. of Tokyo)

Non-asymptotic minimax Bayesian nonparametric estimation based on invariance

15:00 – 15:40 **Tamio Koyama** (Kobe Univ.)

Parameter space of  $A$ -hypergeometric distributions

15:45 – 16:25 **Taku Moriyama** (Kyushu Univ.)

**Yoshihiko Maesono** (\*) (Kyushu Univ.)

Smoothed two-sample nonparametric tests and their asymptotic properties

(\*) speaker

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