RIMS Conference 2015
Representation theory, harmonic analysis and differential equation

Date June 23–26, 2015

Place Room 420, Research Institute for Mathematical Sciences, Kyoto University

Organizers Kouichi Takemura (Chuo University) chair
Hideyuki Ishi (Nagoya University)

Program

June 23 (Tue.)

14:30 − 15:20 Katsuyuki Naoi (Tokyo University of Agriculture and Technology)
Fusion products of current algebra and Schur positivity

15:40 − 16:30 Kentaro Okamoto (Kyushu University)
Decomposition formula of the braid zeta function

June 24 (Wed.)

10:00 − 10:50 Takashi Yamasaki, Takaaki Nomura (Kyushu University)
Realization of Homogeneous Cones through Oriented Graphs

11:10 − 12:00 Hideto Nakashima (Kyushu University)
Characterizations of symmetric cones by means of the basic relative invariants

13:40 − 14:30 Yosuke Saito (Osaka City University)
Conjectures on the modular double of the Ding-Iohara-Miki algebra

14:50 − 15:40 Ryosuke Kodera (RIMS)
Affine Yangian action on the Fock space

16:00 − 16:50 Hiraku Nakajima (RIMS)
Towards a mathematical definition
of Coulomb branches of 3-dimensional $\mathcal{N} = 4$ gauge theories

June 25 (Thu.)

10:00 − 10:50 Masatoshi Kitagawa (The University of Tokyo)
  Branching laws for holomorphic discrete series representations and complexification

11:10 − 12:00 Ryosuke Nakahama (The University of Tokyo)
  Norm computation and analytic continuation
    of vector valued holomorphic discrete series representations

13:40 − 14:30 Hideyuki Ishi (Nagoya University)
  Riesz distributions on a regular convex cone

14:50 − 15:40 Tomonori Moriyama (Osaka University)
  Zuckerman tensoring as a computational tool

16:00 − 16:50 Masato Wakayama (Kyushu University)
  Quantum Rabi's model and Non-commutative Harmonic Oscillators,
    and Number Theory and Representation Theory

June 26 (Fri.)

10:30 − 11:20 Shunsuke Tsuchioka (The University of Tokyo)
  Pattern avoidances seen in multiplicities of maximal weights
    of affine Lie algebra modules

11:40 − 12:30 Minoru Itoh (Kagoshima University)
  Twisted immanant and matrices with anticommuting entries