

RIMS Workshop: Representation Theory and Related Areas

Date 20–23, June, 2017

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

Organizer Noriyuki Abe

Schedule

20 (Tue)

- 14:35–15:35 Taito Tauchi (University of Tokyo)
Multiplicity of degenerate principle series with infinite orbits
- 15:50–16:50 Naoya Shimamoto (University of Tokyo)
Description of infinite orbits on multiple flag varieties of type A

21 (Wed)

- 9:50–10:50 Yoshiki Oshima (Osaka University)
Characters of minimal representations and minimal nilpotent orbits
- 11:05–12:05 Leontiev Alex (University of Tokyo)
On certain integral formulae concerning two Gegenbauer polynomials
- 13:20–14:20 Ryosuke Kodera (Kyoto University)
Cherednik algebras and quantized Coulomb branches
- 14:35–15:35 Kengo Miyamoto (Osaka University)
Self-injective cellular algebras of polynomial growth representation type
- 15:50–16:50 Naoki Genra (Kyoto University)
Wakimoto representations for W-algebras

22 (Thu)

- 9:50–10:50 Takeshi Ikeda (Okayama University of Science)
Pieri-rule of K-theory ring of maximal Isotropic Grassmannians
- 11:05–12:05 Kaoru Ikeda (Keio University)
Classification the singlar points of the Toda lattice on the flag manifold by the faces of Weyl chamber
- 13:20–14:20 Hiroshi Oda (Takushoku University), Nobukazu Shimeno (Kwansei Gakuin University)
Spherical transforms for vector bundles on Riemannian symmetric spaces associated to small K -types
- 14:35–15:35 Hiraku Atobe (University of Tokyo)
A conjecture of Gross-Prasad and Rallis for metaplectic groups
- 15:50–16:50 Toshihisa Kubo (Ryukoku University)
Algorithm on determining the reducibility points for generalized Verma modules of scalar type

23 (Fri)

- 9:50–10:50 Hisayosi Matumoto (University of Tokyo)
On annihilators of scalar generalized Verma modules
- 11:05–12:05 Akihito Wachi (Hokkaido University of Education)
 b -functions of prehomogeneous vector spaces of classical, parabolic type