Lie Groups and Representation Theory Seminar at the University of Tokyo

DATE   May 11 (Tue), 2010, 16:30–18:00

PLACE   Room 126, Graduate School of Mathematical Sciences

SPEAKER **Hisayosi Matumoto (   )** (the University of Tokyo)

TITLE   On a finite W-algebra module structure on the space of continuous Whittaker vectors for an irreducible Harish-Chandra module

ABSTRACT Let G be a real reductive Lie group. The space of continuous Whittaker vectors for an irreducible Harish-Chandra module has a structure of a module over a finite W-algebra. We have seen such modules are irreducible for groups of type A. However, there is a counterexample to the naive conjecture. We discuss a refined version of the conjecture and further examples in this talk.