

Lie Groups and Representation Theory Seminar at the University of Tokyo

リー群論・表現論セミナー

- DATE April 9 (Tue), 2013, 16:30–18:00
- PLACE Room 126, Graduate School of Mathematical Sciences
- SPEAKER **Atsumu Sasaki** (笹木集夢) (Tokai University)
- TITLE A characterization of non-tube type Hermitian symmetric spaces by visible actions (Japanese)
- ABSTRACT We consider a non-symmetric complex Stein manifold D which is realized as a line bundle over the complexification of a non-compact irreducible Hermitian symmetric space G/K . In this talk, we will explain that the compact group action on D is strongly visible in the sense of Toshiyuki Kobayashi if and only if G/K is of non-tube type. In particular, we focus on our construction of slice which meets every orbit in D from the viewpoint of group theory, namely, we find an A -part of a generalized Cartan decomposition for homogeneous space D . We note that our choice of A -part is an abelian.