Lie Groups and Representation Theory Seminar
at the University of Tokyo

リー群論・表現論セミナー

DATE December 18 (Tue), 2007, 16:30–18:00
PLACE Room 126, Graduate School of Mathematical Sciences
SPEAKER Noriyuki Abe (阿部紀行) (University of Tokyo)
TITLE On the existence of homomorphisms between principal series
of complex semisimple Lie groups
ABSTRACT The principal series representations of a semisimple Lie group
play an important role in the representation theory. We study
the principal series representation of a complex semisimple Lie
group and determine when there exists a nonzero homomorphism between the representations.