

Lie Group and Representation Theory Seminar Kyoto 2007

Date: February 8 (Thu), 2007, 11:15–12:15

Place: RIMS, Kyoto University : Room 402

Speaker: Taro Yoshino (RIMS)

Title: Deformation spaces of compact
Clifford-Klein forms of homogeneous
spaces of Heisenberg groups

Abstract: T. Kobayashi introduced the deformation space of Clifford-Klein forms, which is a natural generalization of deformation spaces of geometric structures. Selberg-Weil's local rigidity theorem claims that the deformation space is discrete for Riemannian irreducible symmetric spaces M if the dimension $d(M) \geq 3$. In contrast to this theorem, Kobayashi proved that local rigidity does not hold (even in higher dimensional case) in the non-Riemannian case. Then, this opens a new problem to find explicitly such deformation spaces in high dimensions. However, such explicit forms have not been obtained except for a few cases now. In this talk, I will give an explicit description of the deformation spaces of compact Clifford-Klein forms of homogeneous spaces of Heisenberg groups.

Organizer: T. Kobayashi <http://www.kurims.kyoto-u.ac.jp/~toshi/>
いつもと時間が違うのでご注意ください。