

Lie Group and Representation Theory Seminar

Date: November 22 (Tue), 2005, 16:30–17:30

Place: RIMS, Kyoto University : Room 402

Speaker: Simon Gindikin (Rutgers)

Title: Holomorphic language for Cauchy-Riemann
cohomology and representations

Abstract:

It turns out that in many explicit computations with $\bar{\partial}$ -cohomology it is inconvenient to use by the traditional languages of Čech or Dolbeault. It was developed a conception of smoothly parameterized Čech cohomology, different versions of which were developed in the collaboration with Eastwood and Wang. One of possibilities is to build a purely holomorphic language. I will give a review of constructions and several illustrating examples basically from theory of representations.

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