

Lie Group and Representation Theory Seminar

Date: April 18 (Tue), 2006, 16:30–17:30

Place: RIMS, Kyoto University : Room 402

Speaker: 松木敏彦氏 (Toshihiko Matsuki, Kyoto University)

Title: An introduction to Gindikin's horospherical Cauchy transform

Abstract:

Recently S. Gindikin introduced a notion of the horospherical Cauchy transform from $\mathcal{O}(G_C/K_C)$ to $\mathcal{O}(G_C/N_C)$ and its inverse. He also showed the isomorphism between the space of hyperfunctions on the compact symmetric space U/K and the space of holomorphic functions on some domain in G_C/N_C by this transform. In this talk I would like to explain his idea by using elementary examples and group-theoretical methods.

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