Queen's Algebraic Geometry
— Seminar —

SINGULAR UNITARY REPRESENTATIONS OF EXCEPTIONAL GROUPS

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Abstract

I will briefly explain the Theta correspondence (AKA Howe duality between unitary representations of semisimple groups), its relation to the construction of singular unitary representations of classical groups, and an analogous theory of singular unitary representations for exceptional groups. We will finish by giving a sharp bound for the L^p behaviour of matrix coefficients of representations of exceptional groups, a question partially studied by Oh, Li and Zhu.

Monday, October 24, 2005
4:45pm – 5:45pm
319 Jeffery Hall