



The Hong Kong University of Science and Technology

Department of Mathematics

Seminar on Lie Theory

Character theory of extended groups

by

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Abstract

In the algorithm to determine the unitarity of an irreducible Harish-Chandra module, one needs to understand the character theory of certain disconnected reductive groups. This in turn is controlled by a finite-dimensional representation of a "twisted" finite Hecke algebra due to Lusztig-Vogan (generalizing their original work in the untwisted case) and made effective in the work of Adams-Vogan. The purpose of this talk is to give an overview of these results with a view toward some open problems.

Date: Thursday, 8 February 2018

Time: 2:00p.m. – 3:00p.m.

***Venue: Room 4475, Academic Building
HKUST (near Lifts 25 & 26)***

All are welcome!