



*Institute of Mathematical Research
Department of Mathematics*

COLLOQUIUM

Spin projective representations of Weyl groups

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Date: May 25, 2012 (Friday)

Time: 4:00 – 5:00pm

Venue: Room 210, Run Run Shaw Bldg., HKU

Abstract

The classification of irreducible representations of a pin double cover of Weyl groups began with Schur (1911) for the symmetric group and was completed for the other groups by Morris, Reade and others about 30 years ago. Recently, motivated by the study of a Dirac operator for the graded Hecke algebras (introduced in joint work with D. Barbasch and P. Trapa), a new, more uniform picture for these representations emerged. In this talk, I will explain some relation between the spin projective representations, the Springer correspondence and elliptic representation theory for ordinary representations of the Weyl group.

All are welcome