

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

Representation Theory Seminar

Informal seminar on unipotent representations

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Abstract

The aim of this seminar is to give an overview of some of Lusztig's work on the classification of unipotent representations of p -adic groups. We start off with a brief overview of Bernstein components and associated Hecke algebras. We then focus on the Bernstein components that contain the unipotent representations, in which case the associated Hecke algebras are affine Hecke algebras (with possibly unequal parameters). We then look at the classification of the representations of these affine Hecke algebras by studying the representations of associated graded Hecke algebras.

Date:	January 23, 2024 (Tuesday) January 30, 2024 (Tuesday)
Time:	1:30 – 4:00pm
Venue:	Room 210, Run Run Shaw Building, HKU

All are welcome