



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

ALGEBRA AND GEOMETRY SEMINAR

Torsors on loop groups

by

Prof. Alexis Bouthier

Sorbonne Université

Abstract

For various applications in geometric representation theory, such as affine Springer theory or the more recent Ben-Zvi--Sakellaridis--Venkatesh program, it has become necessary to develop a set of foundational results on loop space and torsors on loop groups. We will survey different techniques on them and explain how they can be applied to explicit situations.

Date : 28 February 2024 (Wednesday)

Time : 4:30pm – 5:30pm

Venue : Room 2303 (Lifts 17/18)

All are Welcome!