THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PURE MATHEMATICS

Soergel Bimodules and Kazhdan-Lusztig Polynomials II

by

Dr. Yanze CHEN
HKUST

Abstract

I will briefly introduce the BGG category of representations of a semisimple Lie algebra, in particular the following topics will be mentioned: block decomposition, BGG reciprocity, wall-crossing functors. Then I will introduce Soergel's V-functor, which is crucial for his proof of the Kazhdan-Lusztig conjecture.

Date : 5 December 2023 (Tuesday)
Time : 3:00pm – 4:00pm
Venue : Room 2463 (Lifts 25/26)

All are Welcome!