Oberseminar
zur
Algebra und Algebraischen Kombinatorik

Dr. Chris Bowman
(University of York, AvH Stipendiat)

Soergel diagrammatics in modular representation theory

We provide an elementary introduction to Elias-Williamson's Soergel diagrammatics and p-Kazhdan-Lusztig theory and discuss the applications in representation theory. In particular we will discuss the recent proof of (generalised versions of) Libedinsky-Patimo's conjecture, which states that certain simple characters of affine Hecke algebras are given in terms of p-Kazhdan-Lusztig polynomials and of Berkesch-Griffeth-Sam's conjecture which states that the unitary representations admit cohomological constructions via BG resolutions. This is joint work with Anton Cox, Amit Hazi, Emily Norton, and Jose Simental.

Montag, 25.10.2021
ab 14:15 Uhr, Raum a410

Alle Interessierten sind herzlich eingeladen.

Institut für Algebra, Zahlentheorie
und Diskrete Mathematik