

Algèbres non commutatives, théorie des représentations et fonctions
spéciales
23 mai - 10 juin 2022

Non-commutative algebras, representation theory and special functions
May 23 - June 10, 2022

Zajj Daugherty

(City College of New York)

***Calibrated representations of two-boundary Temperley-Lieb
algebras***

The two-boundary Temperley-Lieb algebra is an infinite-dimensional diagram algebra arising out of statistical mechanics. In this talk, we will explore how viewing this algebra as a quotient of a group algebra of a two-pole braid group uncovers beautiful combinatorial and representation theoretic results.