

On the Schur elements and generalized graded cellular bases for cyclotomic Hecke-Clifford algebras

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In this talk, we shall present our recent work on (super)symmetrizing form and Schur elements for cyclotomic Hecke-Clifford algebras. As applications, we can give new trace forms and compute Schur elements on Hecke-Clifford algebras. We can also construct some generalized graded cellular bases for the cyclotomic quiver Hecke algebras of types A, C, and cyclotomic quiver Hecke algebras of twisted type A with even level using Kang-Kashiwara-Tsuchioka's isomorphism. This talk is based on joint work with Shuo Li.