

Steadied quotients of KLR algebras

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We give a brief overview of KLR algebras as diagrammatic presentations of blocks of cyclotomic quotients of Hecke algebras via Brundan and Kleshchev, and then discuss steadied quotients, a generalization of cyclotomic quotients introduced by Webster which we have recently shown to be low-dimensional representatives of Morita equivalence classes of Ariki–Koike blocks, as established by Scopes, Chuang–Kessar, Chuang–Rouquier, Evseev–Kleshchev, Webster, and others.