

BRAID ACTION ON DERIVED CATEGORY OF NAKAYAMA ALGEBRAS

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Abstract

We construct an action of a braid group associated to a complete graph on the derived category of a certain symmetric Nakayama algebra which is also a Brauer star algebra with no exceptional vertex. We connect this action with the affine braid group action on Brauer star algebras defined by Schaps and Zakay-Ilouz. We show that for Brauer star algebras with no exceptional vertex, the action is faithful.