1167-05-97   **Yue Zhao*** (`yuezhao@math.ucdavis.edu`), One Shields Avenue, Mathematical Sciences Building 3229, University of California, Davis, Davis, CA 95616. *Representations of (degenerate) affine Hecke algebra of type C_n and combinatorics.*

Etingof-Freund-Ma functor connects $\mathfrak{gl}_N$-modules to representations of degenerate affine Hecke algebra of type C_n and Jordan-Ma functor connects $U_q(\mathfrak{gl}_N)$-modules to affine Hecke algebra of type C_n. We consider the images of finite dimensional irreducible $\mathfrak{gl}_N$-modules and $U_q(\mathfrak{gl}_N)$-modules under these Schur-Weyl type functors. Moreover, we give combinatorial descriptions of these images in terms of standard tableaux. (Received February 22, 2021)