ON PBW-DEFORMATIONS OF BRAIDED EXTERIOR ALGEBRAS

MARCO MATASSE

Abstract: I will talk about PBW-deformations of certain quantizations of exterior algebras. These deformations give rise to Clifford algebras in the classical case. I will consider the case of the fundamental module of quantum sl_N, its dual, and their direct sum. The first two cases do not admit any deformation, while in the third case we obtain an essentially unique deformation with good properties.