

Abstract

Quantum correspondence is a core tool for connecting different quantum affine superalgebras and investigating their structures and representations. Focusing on twisted and untwisted affine superalgebras of orthosymplectic and special linear series, this report systematically studies Hopf superalgebra isomorphisms (namely quantum correspondences) between quantum affine superalgebras, as well as Drinfeld realisations of some typical quantum affine superalgebras.