

1125-16-2002 **Benjiman C Tharp*** (btharp@math.ou.edu). *On the representation theory of the marked Brauer algebra.*

The marked Brauer algebra is a diagram algebra which generalizes the ordinary Brauer algebra and is in Schur-Weyl duality with the type \mathfrak{p} Lie superalgebra. Like the ordinary Brauer algebra, this marked version has a very rich representation theory. We will discuss some of the interesting combinatorics which arise from studying certain representations of the marked Brauer algebra. (Received September 19, 2016)