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Joshua Sussan*, CUNY Medgar Evers, Department of Mathematics, 1650 Bedford Ave.,
Brooklyn, NY 11225. *p-DG structures in higher representation theory.*

The study of p -DG algebras arises naturally when trying to categorify quantum groups at prime roots of unity. We will review this framework and construct some categorical representations for the case of $\mathfrak{sl}(2)$. (Received July 18, 2018)