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Alex Sherbetjian* (sherbet@math.ucr.edu). *Rigidification of algebras over algebraic theories in diagram categories*. Preliminary report.

The notion of algebraic theories, which are able to describe many algebraic structures, has been used extensively since its introduction by Lawvere in 1963. This perspective has been very fruitful for understanding in a wide variety of algebraic structures, including rigidification results for simplicial algebras over algebraic theories by Badzioch and Bergner. In this talk, we will extend the rigidification results to algebras over a larger class of categories, which includes bisimplicial sets. (Received September 26, 2017)