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Christopher Scaduto* (cscaduto@miami.edu) and **Aliakbar Daemi**. *Equivariant singular instanton homology*.

In this talk I will discuss new algebraic constructions in the framework of equivariant singular instanton Floer homology for knots in homology 3-spheres, and some applications to knot concordance and related problems. This is joint work with Aliakbar Daemi. (Received January 17, 2021)