Eleonore Faber, Martina Juhnke-Kubitzke, Haydee Lindo, Claudia Miller, Rebecca R.G.* (rrebhuhn@gmu.edu) and Alexandra Seceleanu. Canonical resolutions over Koszul algebras.

Koszul algebras are a class of graded algebras with a duality between commutative and anti-commutative algebras, much like the duality between the symmetric and exterior algebras. We find the minimal free resolutions of powers of the homogeneous maximal ideal over arbitrary Koszul algebras. (Received August 17, 2020)