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Blacksburg, VA 24060. *Generalizations of Koszul algebras*. Preliminary report.

I will begin by briefly reviewing the definition and some of the main properties of a Koszul algebra. I will then recall the definition and properties of a d -Koszul algebra (introduced by R. Berger). Finally, in joint work with E.N. Marcos, I will introduce and discuss a new class of algebras, which we call $(2-d)$ -Koszul algebras. (Received August 29, 2005)