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Robert Laugwitz* (robert.laugwitz@rutgers.edu) and **Vladimir Retakh**. *The Koszul property for algebras of quasi-Plücker coordinates.*

The commutative quadratic algebra of Plücker coordinates plays an important role in algebraic geometry. It describes the coordinate ring of the Grassmannian embedded into projective space. The Koszul property of this commutative ring is well-known. In this talk, a non-commutative analogue of the algebra of Plücker coordinates is discussed. This approach uses the theory of quasi-determinants of Gelfand and Retakh. The main result is that this algebra is a non-homogeneous quadratic Koszul algebra in the sense of Polishchuk and Positselski. (Received January 24, 2018)