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Aron Simis* (aron@dmf.ufpe.br), Departamento de Matemática, CCEN, Universidade Federal de Pernambuco, Av. Prof. Luis Freire, s/n, 50740-540 Recife, PE, Brazil. *Polar syzygies and unirational algebras*. Preliminary report.

Given a finitely generated subalgebra of a polynomial ring, one considers the syzygies of the transposed Jacobian module of its generators. A good chunk of them is given by the polar syzygies (appeared in disguise in Gordan-Noether). One deals with some special classes of algebras to understand when the polar syzygies generate all syzygies. (Joint work with I. Bermejo and P. Gimenez) (Received February 10, 2006)