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Jan Minac* (minac@uwo.ca), Western University, Department of Mathematics, Middlesex College, 1151 Richmond Street, London, Ontario N6A 5B7, Canada. *A Romantic Courtship of Massey Products, Koszul Algebras and Galois p -extensions*. Preliminary report.

Although neither Massey products nor the theory of Galois p -extensions and Koszul algebras may be considered young anymore, they have found new love together. Will this love blossom into a serious relationship? We shall discuss some relatively recent conjectures on the vanishing of Massey products in Galois cohomology, Koszulity properties of Galois cohomology, some progress in proving them, and their influence on the structure of maximal pro- p -quotients of absolute Galois groups.

This talk will include some joint work with P. Guillot, M. Palaisti, F. Pasini, C. Quadrelli, N. D. Tan, A. Topaz and O. Wittenberg. (Received February 12, 2018)