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Stefano Filipazzi* (filipazz@math.utah.edu). *Generic vanishing fails for surfaces in positive characteristic.*

Generic Vanishing is a very powerful tool in the study of irregular varieties. Recently, Hacon and Kovács showed that this vanishing theorem does not extend to positive characteristic: They provide counterexamples in dimension three and higher. In this talk, we discuss how to produce a counterexample to Generic Vanishing in dimension two. Furthermore, we improve the result of Hacon and Kovács by producing counterexamples for which the Albanese map is finite. (Received January 05, 2018)