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**Oswaldo Lezama\*** (jolezamas@unal.edu.co), Universidad Nacional de Colombia, Bogotá, Colombia, and **Y.-H Wang** and **J.J Zhang**. *Zariski cancellation problem for rings*. Preliminary report.

The Zariski cancellation problem arises in commutative algebra and can be formulated in the following way: Let  $K$  be a field,  $A := K[t_1, \dots, t_n]$  be the algebra of usual polynomials and  $B$  be a commutative  $K$ -algebra,

$$A[t] \cong B[t] \Rightarrow A \cong B?$$

Recently the problem has been studied for noncommutative algebras that are domains (see for example, Bell, J., and Zhang, J. J., *Zariski cancellation problem for noncommutative algebras*, *Selecta Math.* (N.S.) **23** (2017), no. 3, 1709–1737). In this talk we discuss the Zariski cancellation problem for arbitrary rings based in a joint paper with Y.-H. Wang (Shanghai, China) and J.J. Zhang (Seattle, USA). (Received January 24, 2018)