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Angelica Benito* (abenitos@umich.edu), University of Michigan, Ann Arbor, MI. *Locally acyclic cluster algebras are strongly F -regular.*

In this talk we will show that locally acyclic cluster algebras defined over a field of positive characteristic are strongly F -regular. As a consequence of this result we can prove that over fields of characteristic zero, these algebras have canonical singularities. During the talk cluster algebras will be defined and some relevant examples will be shown. This is a joint work with G. Muller, J. Rajchgot, and K. Smith. (Received February 05, 2014)