

ETALE FUNDAMENTAL GROUPS OF F-REGULAR RINGS

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ABSTRACT. F-regular singularities arose in the field of tight closure and are now known to be closely related to KLT singularities from algebraic geometry. In this talk, inspired by work of Xu and Greb-Kebekus-Peternell on KLT singularities, we will show that F-regular local rings have finite etale fundamental groups and that we can control the fundamental groups of F-regular rings in general. This is joint work with subsets of Bhatt, Carvajal-Rojas, Graf and Tucker.