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Title: Cycles sans cycles

Abstract: In this provocative talk (with a slightly misleading title), I will give a "worked example" of the theory of motivic cohomology which I have been developing, jointly with Matthew Morrow. I will show how to (re)produce the theory of zero cycles on very general surfaces (non-smooth, non-normal, non-noetherian, non-quasiprojective) over a field. To a geometer, this is a talk about splitting vector bundles. If you like numbers, this is a talk about class field theory of singular schemes over a finite field. If you like topology and (higher) categories this is a talk about how to control some wild Kan extensions. All of this is joint with Matthew Morrow.