

Algebraic Geometry

Equivariant potential good reduction of CY-varieties,
and motivic zeta functions

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Let X be a Calabi-Yau variety defined over a complete discretely valued field K . Assume that X allows a Galois-equivariant good model over the valuation ring of some tame finite extension of K . I will talk about joint work with Johannes Nicaise, where we study the motivic zeta function of such varieties. In particular, we show that the motivic monodromy conjecture holds under this assumption.

This is joint work with Johannes Nicaise.