

Department of Mathematics, BGU

Algebraic Geometry and Number Theory

On Wednesday, January 3 2018

At 15:10 – 16:30

In Math 101-

Shane Kelly (FU Berlin)

will talk about

A blowup formula for motives with modulus

Abstract: This is about joint work with Shuji Saito. We will begin the talk with a quick introduction to Voevodsky's theory of motives, and how Kahn-Saito-Yamazaki generalise this theory to allow one to treat cohomology theories that are not necessarily A^1 -invariant, and have a notion of ramification. We finish by discussing a blowup formula in Kahn-Saito-Yamazaki's category of motives with modulus, and how this produces a new proof of this blowup formula for cyclic homology.