

Special values of zeta functions of arithmetic schemes

Baptiste MORIN

Institut de Mathématiques de Bordeaux, Bordeaux

The purpose of this talk is to give a conjectural description of special values of zeta functions of regular schemes proper over \mathbb{Z} . Our description involves Weil-étale cohomology with compact support and derived de Rham cohomology. Examples of computations will be given in classical cases. If time permits, I will briefly explain how this viewpoint is related to Deninger's program. This is joint work with Matthias Flach.