
THE WEIZMANN INSTITUTE OF SCIENCE
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE
Algebraic Geometry and Representation Theory Seminar

Room 290C ,Ziskind Building
on Tuesday, Feb 21, 2017at 11:15

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A conjectured cohomological description of special values of zeta-functions.

Abstract:

Let X be a regular scheme, projective and flat over $\text{Spec } \mathbb{Z}$. We give a conjectural formula in terms of motivic cohomology, singular cohomology and de Rham cohomology for the special value of the zeta-function of X at any rational integer. We will explain how this reduces to the standard formula for the residue of the Dedekind zeta-function at $s = 1$.