

Arithmetic and Algebraic Geometry: A conference in honor of Ofer Gabber
on the occasion of his 60th birthday

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On relative log de Rham-Witt complex

Wednesday, June 13, 2018 4:00 PM (1 hour)

The notion of relative log de Rham-Witt complex, which is the log version of relative de Rham-Witt complex of Langer-Zink, is defined by Matsuue. In this talk, we give the comparison theorem between relative log de Rham-Witt cohomology and relative log crystalline cohomology for log smooth saturated morphism of fs log schemes satisfying certain condition on which p is nilpotent. Our result generalizes most of the previously known results by Illusie, Hyodo-Kato, Langer-Zink and Matsuue. This is a joint work with Kazuki Hironaka.

Presenter: SHIHO, A. (University of Tokyo)