

Stanford Algebraic Geometry

— Seminar —

DEFORMATION THEORY OF (MORPHISMS OF) LOG SCHEMES

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Abstract

I will start by giving an overview of a stack-theoretic approach to the theory of log geometry in the sense of Fontaine, Illusie and Kato. As an application of this point of view I will explain how to generalize Illusie's theory of the cotangent complex to the category of log schemes, and discuss various applications to deformation theory problems in the category of log schemes.

No familiarity with log geometry will be assumed.

Friday, November 17

3:15 p.m.

Room 383-N

<http://math.stanford.edu/ag/s0607/>