CASTS TALKS

The 7th East Asia Number Theory Conference

Canonical lifting of the rational nodal curve in positive characteristic

Prof. Mao Sheng

2018 - 02 - 06 (Tue.)
16:20 - 17:10
101, Mathematics Research Center Building (ori. New Math. Bldg.)

Serre-Tate's theory provides a canoincal lifting for an ordinary elliptic curves over a perfect field k of positive characteristic. In this talk, we will give another characterization of Serre-Tate's lifting on ordinary curves. Our theory extends over the log setting and therefore provides also a canonical lifting for the rational nodal curve over k. This is a joint work with Kang Zuo.

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