

BOSTON UNIVERSITY NUMBER THEORY SEMINAR

Local points of supersingular elliptic curves on \mathbb{Z}_p -extensions

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Monday, March 2 at 4:15 pm
111 Cummington Street, MCS B21
Tea and cookies in MCS 144 at 4:00 pm

Abstract: By work of Kobayashi and Iovita-Pollack we know that local points of supersingular elliptic curves on ramified \mathbb{Z}_p -extensions of \mathbb{Q}_p split into two strands of even and odd points. We will discuss a generalization of this result to \mathbb{Z}_p -extensions that are localizations of anticyclotomic \mathbb{Z}_p -extensions over which the elliptic curve has non-trivial CM points.