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

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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.