

**Local conditions connected with the Lang–Trotter
Conjecture for primitive points**

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We shall review a project in collaboration with Peter Stevenhagen and Nathan Jones. Given an elliptic curve over a number field and a rational point of infinite order, it can happen, for some non obvious reasons, that the reduction of such a point modulo prime ideals is never a generator for the reduced group. We shall review several cases and attempt a classification of such phenomenon in the case of curves defined over the rationals.