

I will report on the results of an ongoing project which we began some years ago with Yuri Tschinkel and continue with Hang Fu and Jin Qian. We say that a smooth projective curve C dominates C' if there is nonramified covering \tilde{C} of C which has a surjection onto C' . Thanks to Bely theorem we can show that any curve C' defined over $\bar{\mathbb{Q}}$ is dominated by one of the curves $C_n, y^{n-1} = x^2$. Over $\bar{\mathbb{F}}_p$ any curve in fact is dominated by C_6 which is in way also a minimal possible curve with such a property. Conjecturally the same holds over $\bar{\mathbb{Q}}$ but at the moment we can prove only partial results in this direction. There are not many methods to establish dominance for a particular pair of curves and the one we use is based on the study of torsion points and finite unramified covers of elliptic curves.