

On Full BSD Conjecture for Rank One CM Elliptic Curves

Yongxiong Li, Yu Liu and Ye Tian

Tsinghua University
E-mail: *yongxiongli@math.tsinghua.edu.cn*

Abstract

Let E be an elliptic curve defined over \mathbb{Q} with complex multiplication by K . Suppose that E has analytic rank one. For odd potential good ordinary primes p of E , we show the p -part full BSD for E . It is known by Perrin-Riou and Kobayashi for all good odd primes p .

The talk is based on the joint work with Yu Liu and Ye Tian.