ABSTRACT: On the Main Conjecture for Supersingular Elliptic Curves

Let E be an elliptic curve over the rationals and p a prime of supersingular reduction for E. Together with Ralph Greenberg and Robert Pollack we prove that if f is a weight two modular form which is congruent to E modulo p then if the Main Conjecture is true for f then it is true for E. In certain cases such congruences can be found with the property that the Main Conjecture for f is true for trivial reasons (i.e. all the p-adic L-functions are trivial). In these cases we then know the Main Conjecture for E.