

Séminaire de théorie des nombres

Le 2 avril 2007 à 14h

Global Divisibility of Heegner Points and Tamagawa Numbers

Exposé de Dimitar Jetchev (Berkeley)

Résumé : We improve Kolyvagin's upper bound on the order of the p -primary part of the Shafarevich-Tate group of an elliptic curve of rank one over a quadratic imaginary field with Heegner discriminant. If p is an odd prime which divides at most one Tamagawa number, our bound is precisely the one predicted by the Birch and Swinnerton-Dyer conjectural formula.