BOSTON UNIVERSITY NUMBER THEORY SEMINAR

A local-global principle
for isogenies of elliptic curves

Isabel Vogt

MIT

Monday, October 16 at 4:15 pm
111 Cummington Mall, MCS B21
Tea and cookies in MCS 144 at 4:00 pm

Abstract: Let E be an elliptic curve defined over a number field. In this talk, we will address the following question: if the reduction of E modulo almost all primes has a rational cyclic isogeny of degree N, is E forced to as well?