1145-11-1201   **Isabel Vogt***, MIT Department of Mathematics, 77 Massachusetts Ave, Bldg 2-106, Cambridge, MA 02139. *A local-global principle for isogenies of composite degree.*

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? Building on the work of Sutherland, Anni, and Banwait–Cremona when N is prime, we will focus on the case that N is composite. (Received September 20, 2018)