

1154-11-1325 **Isabel Vogt***, Stanford University, Department of Mathematics, 450 Serra Mall, Building 380,
Stanford, CA 94305. *A local-global principle for isogenies of elliptic curves 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 14, 2019)