

Speaker: Yunqing Tang

Title: Reductions of abelian surfaces over global function fields

Abstract: For a non-isotrivial ordinary abelian surface A over a global function field with everywhere good reduction, under mild assumptions, we prove that there are infinitely many places modulo which A is geometrically isogenous to the product of two elliptic curves. This result can be viewed as a generalization of a theorem of Chai and Oort. This is joint work with Davesh Maulik and Ananth Shankar.