

KUMAR MURTY, Department of Mathematics, University of Toronto, Toronto, Ontario M5S 3G3
Splitting of Abelian varieties

It is well known that an irreducible polynomial over the integers may become reducible mod p for every prime p . In this talk, we shall discuss the analogue for Abelian varieties. Given an absolutely simple Abelian variety over a number field, does it stay absolutely simple modulo infinitely many primes?