

HEEGNER POINT CONSTRUCTIONS

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In this talk we will show how to construct certain special points on rational elliptic curves in situations where the so-called “Heegner hypothesis” does not hold. More concretely, given a rational elliptic curve with conductor divisible by the square of a prime p , we show how to construct points associated to an imaginary quadratic field K regardless of the factorization of p in K .

Joint work with Ariel Pacetti (Universidad de Buenos Aires-Warwick).