RATIONAL POINTS AND RM INVARIANTS

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The classical work of Heegner relies on the relations that exist between elliptic units and singular moduli in the theory of complex multiplication. After a brief discussion of the role of p-adic heights in the study of rational points on modular curves, we will explore how a certain notion of p-adic heights in RM theory similarly relates elliptic units and singular moduli. This is joint work with Darmon.