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Heegner points and p-adic Waldspurger formula

Heegner points are important objects in the study of the arithmetic of elliptic curves, a class of Diophantine equations of fundamental interest. In this talk, we will introduce a method to study those points via the p-adic logarithm map and p-adic interpolation. The final form of our result may be viewed as a p-adic version of the Waldspurger formula on torus periods. This is a joint work with Shouwu Zhang and Wei Zhang.