

Mathematics Colloquium

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**More on the Arguments
of Stark Units**

Abstract: I will present the updated version of my joint work with Henri Darmon on Hilbert's 12th problem. As in my earlier talk, our purpose is to obtain a conjectural formula for the argument of the Archimedean Stark units by mean of periods of Eisenstein series for the Hilbert modular group. The content of the talk will have a more geometric flavor, attaching those periods to particular cycles on the Hilbert modular varieties.

Monday, December 10

4:00-5:00 pm

204 Smith Hall

Please note special day