

Philadelphia Area Number Theory Seminar

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Explicit period formulas for totally real p -adic L-functions, a la
Cassou-Nogues

Abstract:

The p -adic Hecke L-functions over totally real fields are known to exist by works of Deligne-Ribet, Cassou-Nogués and Barsky in the late 70s, albeit the whole picture of which is still clouded to this day. In this talk I will report my recent work on the explicit determination of the incarnate p -adic measures that generalizes the p -adic Bernoulli distributions, and its applications in the Gross-Stark conjecture and totally real Iwasawa invariants.

Tuesday, September 6, 2022
3-5 PM

Swarthmore College
Department of Mathematics and Statistics
Science Center, Room **149**

Informal refreshments at 3PM – Talk at 3:30PM