Math 209 - Number Theory

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An equivariant Tamagawa number formula for Drinfeld modules and beyond

Abstract:
I will present a vast generalization of Taelman’s 2012 celebrated class-number formula for Drinfeld modules to the setting of (rigid analytic) L-functions of Drinfeld module motives with Galois equivariant coefficients. I will discuss applications and potential extensions of this formula to the category of t-modules and t-motives. This is based on joint work with Ferrara, Green and Higgins, and a result of meetings in the UCSD Drinfeld Module Seminar.

Host: Kiran Kedlaya

Thursday, October 15, 2020
2:00 PM
see https://www.math.ucsd.edu/~nts/