

Séminaire de théorie des nombres

Le 18 mai 2026 à 14h (PRG)

A cohomological formula for symplectic L -functions and applications

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Résumé : I will present a topological perspective on the order of the Tate-Shafarevich group up to squares as an application of a formula established in previous joint work with A. Venkatesh which gives a cohomological expression for the central value of symplectic L -functions on curves. I will sketch ideas of the proofs, and in particular the analogous picture in topology that is crucial in the arithmetic proofs.