Séminaire de théorie des nombres

Le 12 mars 2018 à 14h (Jussieu)

Elliptic multiple zeta values and iterated Eichler integrals

Exposé de Federico Zerbini
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Résumé : Multiple zeta values are periods of the fundamental group of the punctured Riemann sphere. In this talk we will introduce functions on the upper half plane which constitute their genus one generalization, and motivated by physics computations we will explain how to describe their modular behaviour using Brown's theory of iterated Eichler integrals.