

MULTIPLE ZETA VALUES SEMINAR

Miércoles, 8 de octubre de 2014

15:00 h., Aula Gris 2 (ICMat, Campus de Cantoblanco)

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An introduction to mixed Tate motives

Resumen:

Mixed Tate motives constitute one of the few examples in which the motivic philosophy is more than a powerful and suggestive prediction tool. Thanks to Borel's computation of the rank of K -theory, we have at our disposal an unconditional abelian category of mixed Tate motives over a number field.

In this series of lectures I will first recall the construction of this category. Then I will present some methods to exhibit interesting elements of it, building on hyperbolic geometry and modular curves.