

MULTIPLE ZETA VALUES SEMINAR

Miércoles, 29 de octubre de 2014

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

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Finite multiple zeta values and
finite alternating Euler sums

Resumen:

The multiple zeta values are defined as iterated sums generalizing the Riemann zeta values. There are many rational linear relations among these values and to determine all such relations is one of the key problems in this area. On the other hand we can study the van-Hamme type congruence related to the partial sums of the series defining the multiple zeta values. Putting into an adèle-like setting these values are called the finite multiple zeta values.

In the lectures I will summarize the known results concerning these values and describe a mysterious connection to the classical multiple zeta values. At the end I will consider the generalization of this problem to the alternating Euler sums and present some numerical results.