

MULTIPLE ZETA VALUES SEMINAR

Miércoles, 12 de noviembre de 2014

16:30 h., Aula Gris 2 (ICMat, Campus de Cantoblanco)

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Zagier's conjecture on special values
of Dedekind zeta functions

Resumen:

In a very rough form Zagier's conjecture states that for any integer $m > 1$ and any number field F , the special value $\zeta_F(m)$ of the Dedekind zeta function ζ_F can be expressed in terms of the m -th classical polylogarithm function evaluated at some elements of F . So far it has been proved only for $m = 2, 3$.

In this talk, I will give a formulation of this conjecture, survey some known results and report on some recent progress in the case $m = 4$.