



Mês de: Outubro 2011

SEMINÁRIO DE D-MÓDULOS E SINGULARIDADES

Dia 28 de Outubro (sexta-feira), às 14h30, na Sala B3-01

“Global versions of the $\mu = \mu$ theorem”

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Abstract:

A celebrated theorem of Milnor computes the number of vanishing cycles of an isolated singularity of a holomorphic function as the dimension of the Jacobian quotient associated to this function. We will review generalizations of this result in the case of proper or non-proper function on an algebraic manifold. The proper case, proved by C.S. in 1999 by using the theory of mixed Hodge modules of Morihiko Saito, was known to Kontsevich and Barannikov, and was reproved in 2007 by Ogus and Vologodsky by reduction to characteristic p . The non-proper case, conjectured by Kontsevich, is the content of a joint work with Morihiko Saito.

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