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## SEMINARIO INTERCENTROS DE SINGULARIDADES

Jueves 12 de Junio de 2014, **12:00**, Seminario 238

**Michel Raibaut**

Université Savoie

Impartirá la conferencia

### Motivic Milnor fibers of a rational function

*Resumen.*

Let  $P$  and  $Q$  be two complex polynomials and  $f$  the induced rational function which is well defined out of the common zeros set of  $P$  and  $Q$ . During the nineties Gusein-Zade, Luengo and Melle introduced Milnor fibers of the germs of  $f$  at an indeterminacy point and gave an A'Campo's formula for its monodromy zeta function. They also studied the global Milnor fiber and in each case proved existence of a bifurcation set. In this talk using Denef-Loeser (and more recently Guibert-Loeser-Merle) motivic integration approach we will construct corresponding motivic Milnor fibers which are motives containing additive and multiplicative invariants of these Milnor fibers. As an example we will obtain A'Campo's formula for the monodromy zeta function.