

Analytic Invariants of a Plane Branch and their Semiroots

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The topological class of a semiroot f_k of a plane branch f allow us to obtain part of the topological data of f . For instance, the generators of the semigroup of values Γ_k associated do f_k give us information about generators of the semigroup Γ of f .

In this talk we present some results relating analytic invariants of f_k and f . More precisely, we describe a relation between the Tjurina number of f_k and f .