

Séminaire d'algèbre, géométrie et topologie

Jeudi 16 novembre à 14h

Salle I

Leonardo Meireles Câmara

*Analytic and bi-Lipschitz invariants for germs of
quasi-homogeneous objects at $(\mathbb{C}^2, 0)$.*

We consider germs of quasi-homogeneous foliations and functions in the plane and we study the analytic moduli space of germs of quasi-homogeneous foliations and functions.

We describe the relationship between analytic and bi-Lipschitz moduli of germs of reduced quasi-homogeneous functions. We show that any non-degenerate continuous family of reduced quasi-homogeneous functions with constant Henry-Parusiński invariant is analytically trivial, generalizing a result due to Fernandes and Ruas concerning strongly bi-Lipschitz families