

Parabolic manifolds of tangent to the identity bi-holomorphisms in dimension two

Lorena López-Hernanz¹

¹ Universidad de Alcalá

Let $[v]$ be a characteristic direction of a tangent to identity biholomorphism in \mathbb{C}^2 . We provide conditions on $[v]$ that guarantee the existence of stable manifolds tangent to $[v]$ and study the structure of these manifolds. This a work in progress in collaboration with Rudy Rosas.