TECHNIQUES COMPLEXES D’ÉTUDE D’ÉD.O.

D. CERVEAU, D. GARBA BELKO, ET R. MEZIANI

Avec un appendice de J. Ribón

Abstract

We relate some properties of complexifications of real analytic foliations with problems such that existence of first integrals or convergent normalizations. Holomorphic diffeomorphisms having an invariant real foliation play a crucial rôle.

2000 Mathematics Subject Classification. 34A26, 37F75, 32M25.

Key words. Real analytic foliation, holomorphic foliation, Levi-flat submanifold.