

Singularities of Levi-flat hypersurfaces and holomorphic foliations

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Resumo

Levi-flat hypersurfaces occurs naturally as invariant sets of holomorphic foliations. In recent years, techniques from holomorphic foliations, have been applied to study of singular Levi-flat hypersurfaces. Motivated by these developments, we study Levi-flat hypersurfaces invariant by global foliations. In this talk, I will present some results and techniques from this theory, developed in a joint work with R. Mol (UFMG) and B. Scardua (UFRJ).