

Analytic classification invariants of foliation pairs

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In this talk we will work with germs of foliation pairs in the complex plane, $\mathbb{C}^2$, induced by analytic differential equations with dicritical and non dicritical singularities, satisfying some genericity assumptions. Our purpose will be to introduce a decomposition of such foliation pairs in analytic local models which, by means of normalizing transformations, allow us to obtain a complete minimal set of analytic classification invariants of foliation pairs. This work is a collaboration with L. Ortiz-Bobadilla, and S. M. Voronin.

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