THE THIRTEENTH COLLOQUIUMFEST

Speaker:

Evelia Rosa Garcia Barroso

Title:

Non-degeneracy of the discriminant

Abstract:

Let $(\ell, f)\colon (\mathbf{C^2}, \mathbf{0}) \longrightarrow (\mathbf{C^2}, \mathbf{0})$ be the germ of a holomorphic mapping such that $\ell = 0$ is a smooth curve which is not a branch of the singular curve $f = 0$. The direct image of the critical locus of this mapping is called the discriminant curve. In the talk we study the pairs (ℓ, f) for which the discriminant curve is non-degenerate in the Kouchnirenko sense.

This is a joint work with J. Gwoździewicz and A. Lenarcik.