## Singularities of general polynomial mappings

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Let $F: \mathbb{C}^{n} \rightarrow \mathbb{C}^{n}$ be a general polynomial mapping of degree $\left(d_{1}, \ldots, d_{n}\right)$. I will examine the loci of two-folds, cusps and swallowtails of $F$, in particular I will calculate their degree in terms of $\left(d_{1}, \ldots, d_{n}\right)$.

Then I will proceed with examining the determinant of $F$. I will start with the simplest case $n=2$ end explain how the situation gets more interesting for higher dimensions.

This is joint work with Z. Jelonek and M.A.S. Ruas.

