## Singularities of general polynomial mappings Michał Farnik

Let  $F : \mathbb{C}^n \to \mathbb{C}^n$  be a general polynomial mapping of degree  $(d_1, \ldots, d_n)$ . I will examine the loci of two-folds, cusps and swallowtails of F, in particular I will calculate their degree in terms of  $(d_1, \ldots, d_n)$ .

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.