

Algebraic Geometry - Mariusz Koras in memoriam

Warsaw, 28.05.2018 - 01.06.2018



## AN ESTIMATE OF THE GEOMETRIC DEGREE OF A TWO-DIMENSIONAL JACOBIAN MAPPING

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ABSTRACT. I'll explain how research of the Newton polytope of the irreducible relation of  $x, f, g$ , where  $f, g$  is a Jacobian pair, allows one to get an estimate of the geometric degree of the mapping  $(x, y) \longrightarrow (f, g)$ . I started this project when Mariusz and I were at the Fireflies' meeting in India in 2008 after a discussion with him.