

**Criteria for singularities for mappings from two–manifold to the plane.  
The number and signs of cusps. (joint work with I. Krzyżanowska)**

ABSTRACT. Let  $M \subset \mathbf{R}^{n+2}$  be a two–dimensional complete intersection. We show how to check whether a mapping  $f: M \rightarrow \mathbf{R}^2$  is 1–generic with only folds and cusps as singularities. In this case we give an effective method to count the number of positive and negative cusps of a polynomial  $f$ , using the signatures of some quadratic forms.