Aleksandra Nowel
Institute of Mathematics, Gdansk University
**"Counting branches of the set of self-intersections of a real
analytic germ from \mathbb{R}^2 to \mathbb{R}^3"**

Abstract:

Let $u : (\mathbb{R}^2, 0) \rightarrow (\mathbb{R}^3, 0)$ be
an analytic germ with an isolated critical point at 0 and only
transverse self-intersections. We want to count the number of
branches of its self-intersections set or, equivalently, the number
of branches of its double point curve $D^2(u)$.