

POLYCYCLES ON NON-SMOOTH PLANAR VECTOR FIELDS

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In this talk we are concerned with properties of polycycles in non-smooth planar vector fields. Our main goal is to extend some results about polycycles in smooth vector fields to the non-smooth case. In addition, we apply these results to describe the bifurcation diagram of a polycycle composed by a hyperbolic saddle and a regular-quadratic tangential singularity.