GENERIC BIFURCATION
OF REVERSIBLE VECTOR FIELDS
ON A 2-DIMENSIONAL MANIFOLD

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Abstract

In this paper we deal with reversible vector fields on a 2-dimensional manifold having a codimension one submanifold as its symmetry axis. We classify generically the one parameter families of such vector fields. As a matter of fact, aspects of structural stability and codimension one bifurcation are analysed.