CODIMENSION 4 SINGULARITIES
OF REFLECTIONALLY SYMMETRIC PLANAR VECTOR FIELDS

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Abstract
The paper deals with the topological classification of singularities of vector fields on the plane which are invariant under reflection with respect to a line. As it has been proved in previous papers, such a classification is necessary to determine the different topological types of singularities of vector fields on $\mathbb{R}^3$ whose linear part is invariant under rotations. To get the classification we use normal form theory and the blowing-up method.

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