SINGULARITY THEORY AND FORCED SYMMETRY BREAKING IN EQUATIONS

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Abstract

A theory of bifurcation equivalence for forced symmetry breaking bifurcation problems is developed. We classify $(O(2), 1)$ problems of corank 2 of low codimension and discuss examples of bifurcation problems leading to such symmetry breaking.

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Key words. Singularity theory, bifurcation, forced symmetry breaking.

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