Gluing bifurcations for monotone families of vector fields on a torus

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Résumé

The concept of *gluing bifurcations* was introduced in *Gambaudo J-M, Glendinning P, Tresser C,* Stable cycles with complicated structures, *J. Phys. Lett. (Paris)* **46** *(1985) L653-7.* We prove that the simplest generic monotone families of vector fields on a torus have at least 2 gluing bifurcations of necklace type and most of them have infinitely many gluing bifurcations of pendant type. These results and many others are contained in *Baesens C, MacKay RS,* Simplest bifurcation diagrams for monotone families of vector fields on a torus, *Nonlinearity* **31** *(2018) 2928-2981.*

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