Gluing bifurcations for monotone families of vector fields on a torus

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\textbf{Résumé}

The concept of \textit{gluing bifurcations} was introduced in Gambaudo J-M, Glendinning P, Tresser C, Stable cycles with complicated structures, \textit{J. Phys. Lett. (Paris)} \textbf{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, \textit{Nonlinearity} \textbf{31} (2018) 2928-2981.

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