

# CENTER TYPE PERFORMANCE OF DIFFERENTIABLE VECTOR FIELDS IN THE PLANE

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ABSTRACT. Suppose that  $X$  is a planar vector field whose linearization outside some compact set is nonsingular and has pure imaginary spectrum, then by adding to  $X$  a constant vector one obtains center behavior at infinity: the flow is conjugate to a rotation flow outside some compact set.

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2000 *Mathematics Subject Classification.* Primary 34C25; Secondary 34A99.

*Key words and phrases.* Planar vector fields, Periodic solutions, Centers, Period annulus.