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# Local dynamics of reduced saddle-node biholomorphisms

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We study the dynamics on a full neighborhood of the origin for a biholomorphism $F$ in $\mathbb{C}^2$ that is of the reduced saddle-node type. For these type of diffeomorphisms we will show that there exist connected domains with the origin in their boundary which are either stable for $F$ or for its inverse, and that outside these domains every point is either fixed or has a finite orbit. This is a work in progress in collaboration with Lorena Lopez-Hernanz and Rudy Rosas.

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