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Claude Mitschi* (mitschi@math.u-strasbg.fr) and **Michael F. Singer**. *The Galois group of monodromy evolving deformations.*

Isomonodromic families of regular singular differential equations over $\mathbb{C}(x)$ are characterized by the fact that their parameterized differential Galois group is conjugate to a linear algebraic group over \mathbb{C} . We will describe properties of this differential group that reflect a special type of monodromy evolving deformations of Fuchsian differential equations. (Received September 21, 2009)