

# Indecomposable continua in exponential dynamics

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We are interested in hairs appearing in the dynamics of the exponential map of the form  $E_\lambda(z) = \lambda e^z$ , where  $\lambda \in \mathbb{C} \setminus \{0\}$ . These hairs are curves that tend to the point at infinity and consist of escaping points with a given symbolic code (i.e. itinerary of a point according to the natural division of the plane related to the periodicity of the map). Devaney and Jarque showed that in some cases, the sets of points corresponding to certain itineraries are indecomposable continua (an indecomposable continuum is a complicated topological space which is a continuum that cannot be written as the union of two proper subcontinua). Such a phenomenon arises when a hair in the Julia set becomes so entangled that it accumulates everywhere on itself. We will examine the constructions leading to the aforementioned indecomposable continua.