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Title: Bifurcations in families of meromorphic maps

Abstract: We will discuss natural parameter spaces of transcendental meromorphic maps (with finitely many singular values). Due to the presence of both poles and asymptotic values, a new type of bifurcation arises for which a periodic cycle can disappear to infinity along a parameter curve. Studying this new type of bifurcations allows us to connect absence of bifurcations to stability of Julia sets, concluding that J -stable parameters form an open and dense subset of the parameter space, in analogy to the celebrated results by Mañé-Sad-Sullivan and Lyubich.

This is joint work with Nuria Fagella and Matthieu Astorg.