# STRUCTURAL STABILITY IN COMPLEX DYNAMICS

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ABSTRACT. Structural stability is a key concept in dynamical systems, which describes those that are stable under perturbations. Equivalently, unstable systems are sytems that experience *bifurcations arbitrarily* nearby In this talk we discuss these concepts in the context of iteration of complex analytic maps, going from the seminal work on families of rational maps of Mañé, Sad, Sullivan in the eighties to some new results and bifurcations of transcendental families.

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