

An atlas of wandering domains for a family of Newton maps

ROBERT FLORIDO

Universitat de Barcelona

We study the class of transcendental meromorphic functions which are semiconjugated via the exponential to finite-type maps with countably many essential singularities. Here we investigate the coexistence of wandering domains and attracting basins for a one-parameter family of Newton methods, in close relation to the orbit of free critical points and the logarithmic lift of periodic Fatou components. This is joint work with N. Fagella.