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Sebastian M Marotta* (smarotta@pacific.edu), Department of Mathematics, University of the Pacific, 3601 Pacific Avenue, Stockton, CA 95211. *Singular Perturbations of Complex Polynomials.*

We study the dynamics of families of complex maps that are singular perturbations of polynomials. We focus on the topological characteristics of the Julia and Fatou sets that arise. (Received September 09, 2008)