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Elizabeth D Russell* (erussell@math.bu.edu), Department of Math at Boston University, 111
Cummington St, Boston, MA 02215. *The Complex Dynamics of Singularly Perturbed Rational
Maps.*

We study the dynamics of a family of complex rational maps. We will be especially concerned with the topological structure of the Julia set that arises from iterating such a map. (Received September 09, 2008)