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Alina Andrei* (alinaa@umich.edu), Department of Mathematics, 530 Church Street, University of Michigan, Ann Arbor, MI 48109. *The parameter space of a quadratic family of polynomial maps of \mathbb{C}^2 .*

We consider a family of quadratic polynomial maps of \mathbb{C}^2 that exhibits interesting dynamics. By studying the variation with parameters of the Lyapunov exponents, we prove several properties of the parameter space of this family. (Received February 14, 2006)