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Scott Sutherland* (scott@math.sunysb.edu), Department of Mathematics, Stony Brook University, Stony Brook, NY 11794. *On the measure of the Feigenbaum Julia set*. Preliminary report.

We discuss a computer-assisted proof that the Julia set of the limit of period-doubling renormalization in the quadratic family has zero measure. This is joint work with Artem Dudko. (Received September 16, 2014)