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Artem Dudko*, artem.dudko@stonybrook.edu. *On measure of the Feigenbaum fixed point Julia set.*

Based on A. Avila and M. Lyubich results we will present a new explicit probabilistic criteria to verify that the Julia set of the Feigenbaum fixed point of period-doubling renormalization has zero Lebesgue measure. The talk is based on an ongoing joint work with S. Sutherland. (Received January 18, 2016)