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Tamas Erdelyi* (terdelyi@math.tamu.edu), Department of Mathematics, Texas A&M University, College Station, TX 77843. *The asymptotic value of the Mahler measure of the Rudin-Shapiro polynomials.*

In this talk we show that the Mahler measure of the Rudin-Shapiro polynomials of degree $n - 1$ with $n = 2^k$ is asymptotically $(2n/e)^{1/2}$, as it was conjectured by B. Saffari in 1985. Our approach is based heavily on the Saffari and Montgomery conjectures proved recently by B. Rodgers. (Received September 22, 2017)