REMARKS TO A THEOREM OF SINCLAIR AND VAALER

LÁSZLÓ LOSONCZI

Abstract. Sinclair and Vaaler in [6] Theorem 1.2 found sufficient conditions, nonlinear in the coefficients depending on a parameter $p \geq 1$, for self-inversive polynomials to have all their zeros on the unit circle. Here we discuss the dependence of the conditions on the parameter and through it we show that applying Theorem 1 of Lakatos and Losonczi [4] their result can be strengthened by giving the locations of the zeros.

Keywords and phrases: Self-inversive polynomial, zeros, unit circle, power means.

REFERENCES