GROWTH OF POLYNOMIALS WITH PRESCRIBED ZEROS

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Abstract. In this paper, we study the growth of polynomials of degree n having all its zeros on $|z| = k$, $k \leqslant 1$. Using the notation $M(p,t) = \max\limits_{|z|=t} |p(z)|$, we measure the growth of p by estimating $\left\{ \dfrac{M(p,t)}{M(p,1)} \right\}^s$ from above for any $t \geqslant 1$, s being an arbitrary positive integer.

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