A REFINEMENT OF A THEOREM OF PAUL TURÁN CONCERNING POLYNOMIALS

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Abstract. In this paper we establish certain sharp results concerning the maximum modulus of the polar derivative of a polynomial $P(z)$ with restricted zeros. Our results generalize and refine some results of Turán, Malik, Govil and others.

Key words and phrases: Inequalities, polar derivatives, self-reciprocal polynomials.

REFERENCES