

## INEQUALITIES FOR A POLYNOMIAL AND ITS DERIVATIVE

ABDUL AZIZ AND B. A. ZARGAR

*Abstract.* Let  $P(z)$  be a polynomial of degree  $n$  and  $P'(z)$  its derivative. In this paper we shall obtain certain sharp generalization of some results of Govil, Malik and P. Turán concerning the maximum modulus of  $P(z)$  and  $P'(z)$ .

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