

## INEQUALITIES FOR A POLYNOMIAL AND ITS DERIVATIVE

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*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. Turān concerning the maximum modulus of  $P(z)$  and  $P'(z)$ .

*Mathematics subject classification (1991):* 30A06, 30A64.

*Key words and phrases:* Bernstein inequality, polynomials, derivative.

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