

## BOUNDS FOR THE MULTIPLICITIES OF THE ROOTS FOR SOME CLASSES OF COMPLEX POLYNOMIALS

ANCA IULIANA BONCIOCAT, NICOLAE CIPRIAN  
BONCIOCAT AND ALEXANDRU ZAHARESCU

*Abstract.* We use some of Ostrowski's conditions for nonvanishing of determinants in order to provide explicit upper bounds for the multiplicities of the roots for some classes of complex polynomials. In particular, some simple separability criteria are obtained. We finally provide bounds for the multiplicities of the roots for some classes of integral polynomials, in terms of the prime decomposition of their coefficients.

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