International J. of Math. Sci. \& Engg. Appls. (IJMSEA)
ISSN 0973-9424, Vol. 9 No. II (June, 2015), pp. 1-12

# LOCATION OF ZEROS OF POLYNOMIAL WITH RESTRICTED REAL COEFFICIENTS 

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#### Abstract

We extend some existing results on the zeros of polynomials by considering more general coefficient conditions. As special cases the extended results yield much simpler expressions for the upper bounds of zeros than those of the existing results. The zero-free regions of analytic functions subject to similar coefficient conditions are also investigated. By relaxing the hypothesis in different ways which in term generalizes various other results.


Key Words : Zeros of polynomials, Eneström-Kakeya theorem.
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