1056-32-1230 **C. Affane-Aji*** (affane@tuskegee.edu), Tuskegee University, Tuskegee, AL 36088, and **N. Agarwal** and **N. K. Govil**. *Location of Zeros of Polynomials.*

In this paper, we obtain a result concerning the location of zeros of a polynomial p(z)= a0 +a1z + a2z^2 + ... + anz^n, where ai's are complex coefficients and z is a complex variable. This result sharpens Cauchy's result, along with some of the other known results which were based on the classical Cauchy's work. Moreover, a MATLAB code is developed to construct polynomials, and compare the bounds obtained by our result with these known results. (Received September 21, 2009)