On Cauchy's bound for zeros of a polynomial

V. K. Jain, Kharagpur, India

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Abstract: Datt and Govil had improved Cauchy's upper bound for the moduli of all the zeros of a polynomial of degree n. Guggenheimer had generalised that result due to Cauchy. We have obtained a generalization of the result due to Datt and Govil. At the same time, our generalisation turns out to be an improvement of Guggenheimer's result also. Our result is best possible.