عنوان مقاله:

Caratheodory's Inequality on the Right half plane

محل انتشار:

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نویسنده:

- - -   Department of Computer Engineering, Amasya University, Merkez-Amasya ۰۵۱۰۰, Turkey

خلاصه مقاله:

In this paper, a boundary version of Caratheodory's inequality on the right half plane is investigated. Z(s) is an analytic function defined in the right half of the s-plane.We derive inequalities for the modulus of Z(s) function, $|Z'(\circ)|$, by assuming the Z(s) function is also analytic at the boundary point s = ۰ on the imaginary axis and finally, the sharpness of these inequalities are proved.

کلمات کلیدی:

Analytic function, Schwarz lemma, Caratheodory's inequality

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