

929.30011

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A uniqueness theorem for functions of positive real part. (English)
J. Math. Sci., Delhi 28, 76-90 (1994). [ISSN 0449-2757]

Functions of positive real part have been studied extensively, especially many extremal problems. Usually functions of the so-called Caratheodory boundary are solutions of extremal problems. In many cases, however it is more difficult to study the case of equality than the extremal problem itself. In this paper we show a general uniqueness theorem for functions of positive real part, and give some applications.

Keywords : functions of positive real part; extremal problems; extremal problem

Classification:

- 30C45 Special classes of univalent and multivalent functions