

Recent studies on the image domain of starlike functions

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The geometric properties of image domain of starlike functions is of prominent significance to present a comprehensive study on starlike functions. For this purpose, by using a relation of subordination, we investigate a family of starlike functions in the open unit disc

$$\mathbf{U} = \{z \in \mathbb{C} : |z| < 1\}.$$

Subsequently, we discuss some interesting geometric properties, radius problems, general coefficients for this class. Further, we point out several recent studies related to image domain of starlike functions.