

## عنوان مقاله:

Second Hankel Determinant for Certain Subclasses of Bi-starlike Functions Defined by Differential Operators

## محل انتشار:

مجله تحریریه ی آنالیز ریاضی سهند، دوره 20، شماره 2 (سال: 1402)

تعداد صفحات اصل مقاله: 20

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## خلاصه مقاله:

In this paper, we obtain upper bounds of the initial Taylor-Maclaurin coefficients  $\left|a_2\right|$ ,  $\left|a_3\right|$ ,  $\left|a_4\right|$  and of the Fekete-Szegő functional  $\left|a_3 - \eta a_2^2\right|$  for certain subclasses of analytic and bi-starlike functions  $\mathcal{S}_{\sigma}(\beta, \theta, n, m)$  in the open unit disk. We have also obtained an upper bound of the functional  $\left|a_2 a_4 - a_3^2\right|$  for the functions in the class  $\mathcal{S}_{\sigma}(\beta, \theta, n, m)$ . Moreover, several interesting applications of the results presented here are also discussed.

## کلمات کلیدی:

Analytic functions, Univalent functions, Bi-univalent functions, Bi-starlike functions, Subordination between analytic functions, Hankel determinant

## لینک ثابت مقاله در پایگاه سیویلیکا:

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