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Research article Special Issues

Based on a family of bi-univalent functions introduced through the Faber polynomial expansions and Noor integral operator

F. Müge Sakar [1], , (maillto:mugesakar@hotmail.com), Arzu Akgül [2]

1. Department of Management, Faculty of Economics and Administrative Sciences, Dicle University, Diyarbakır, Turkey
2. Department of Mathematics, Faculty of Arts and Science, Umuttepe Campus, Kocaeli University, Kocaeli, Turkey

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In this study, by using q-analogue of Noor integral operator, we present an analytic and bi-univalent functions family in $\mathfrak{D}$. We also derive upper coefficient bounds and some important inequalities for the functions in this family by using the Faber polynomial expansions. Furthermore, some relevant corollaries are also presented.

Keywords: bi-univalent functions, Faber polynomials, q-analogue of Noor integral operator, coefficient inequalities

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