COEFFICIENT ESTIMATES AND FEKETE–SZEGÖ INEQUALITY FOR NEW SUBCLASS OF BI–BAZILEVIĆ FUNCTIONS BY \((s,t)\)–DERIVATIVE OPERATOR AND QUASI–SUBORDINATION

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Abstract. In this paper we introduce and investigate a new generalized class of bi-bazilević functions defined by using \((s,t)\)-derivative operator and quasi-subordination in the open unit disk \(D\). We obtain two kinds of coefficient estimate by using Faber polynomial expansion and get Fekete–Szegö inequality for the new class and some of its subclasses.


Keywords and phrases: bi-univalent function, bi-bazilević function, \((s,t)\)-derivative, quasi-subordination, coefficient estimate, Fekete–Szegö problem, Faber polynomial expansion.

REFERENCES


