CLASSES OF BI-UNIVALENT FUNCTIONS DEFINED BY CONVOLUTION

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Abstract: In this paper, we introduce two new subclasses of the function class Σ of bi-univalent functions defined in the open unit disc. Furthermore, we find estimates on the coefficient $|a_2|$ and we obtain the Fekete-Szegö inequalities for certain classes $Q_\Sigma(\alpha; \Psi(z))$ and $\mathcal{P}_\Sigma(\beta; \Psi(z))$ of bi-univalent functions.

Keywords and Phrases: Bi-univalent, Fekete-Szegö, Hadamard product.

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