QUASI–CONVOLUTION OF ANALYTIC FUNCTIONS WITH APPLICATIONS

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Abstract. In this paper we define a new concept of quasi-convolution for analytic functions normalized by $f(0) = 0$ and $f'(0) = 1$ in the unit disk $E = \{z \in \mathbb{C}; |z| < 1\}$. We apply this new approach to study the closure properties of a certain class of analytic and univalent functions under some families of (known and new) integral operators.

Key words and phrases: Quasi-convolution, analytic and univalent functions.

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