

**SOME RELATIONSHIPS BETWEEN SUBCLASSES OF
UNIVALENT ANALYTIC FUNCTIONS INVOLVING THE
WRIGHT FUNCTION**

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Abstract: The aim of this article is to establish correlations between different categories of analytic univalent functions using a specific convolution operator defined by the Wright function. More specifically, we explore these correlations among the classes of analytic univalent functions $k-\mathcal{UCV}^*(\beta)$, $k-\mathcal{S}_p^*(\beta)$, $\mathcal{R}(\beta)$, $\mathcal{R}^\tau(A, B)$, $k-\mathcal{PUCV}^*(\beta)$ and $k-\mathcal{PS}_p^*(\beta)$ in the open unit disc \mathbb{U} .

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1. Introduction

Let \mathcal{A} represent the set of all analytic functions within the open unit disk

$$\mathbb{U} := \{z \in \mathbb{C} : |z| < 1\}$$