

## Subclasses of $\alpha$ -uniformly convex functions obtained by using an integral operator and the theory of strong differential subordinations <sup>1</sup>

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### Abstract

In this paper we define some subclasses of  $\alpha$ -uniformly convex functions with respect to a convex domain included in the right half plane  $D$ , obtained by using an integral operator and the theory of strong differential subordinations. The notion of strong differential subordination is developed from the classic notion of differential subordination.

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