

## $\Phi$ -LIKE ANALYTIC FUNCTIONS ASSOCIATED WITH A VERTICAL DOMAIN

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*Abstract.* In this article, using the principle of subordination we introduce a new class of  $\Phi$ -like functions associated with a vertical strip domain and provided some interesting deviations or adaptation which are helpful in unification and extension of various studies of analytic functions. Furthermore, we illustrated the impact of vertical strip domain on various conic region. Inclusion relations, geometrical interpretation, coefficient estimates, inverse function coefficient estimates and solution to the Fekete-Szegő problem of the defined class are discussed. Applications of our main results are given as corollaries.

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