SUBORDINATION PROPERTIES
FOR SPECIAL INTEGRAL OPERATORS

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Abstract. Applying the Integral Existence Theorem for normalized analytic functions concerning the existence and analyticity of a general integral operator which was proven by S. S. Miller and P. T. Mocanu (J. Math. Anal. Appl. 157 (1991), 147–165), the analyticity and univalency of the functions defined by a certain special integral operator is discussed, and some interesting subordination criteria concerning with several integral operators are obtained.

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Key words. Differential subordination, integral operator, analyticity and univalency, integral existence theorem, spirallike function, subordination chain.

REFERENCES


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