ON SUBORDINATION, STARLIKENESS AND CONVEXITY OF CERTAIN INTEGRAL OPERATORS

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Abstract. The aim of this paper is to derive some sufficient conditions for certain integral operators in the open unit disk $\mathcal{U}$ to be subordinate to $\frac{\beta(1-z)}{\beta-z}$ for some real values of β, $z \in \mathcal{U}$ and to be starlike and convex in $\mathcal{U}$.

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Key words. Starlike functions, convex functions, integral operators, subordination.

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