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Subordination and Superordination Results for \$\Phi\$-like Functions

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Abstract: Let q_1 be convex univalent and q_2 be univalent in $f(\Delta)$, $\Phi(0) = 0$ and

 $\Phi'(0) = 1$. We give some applications of first order differential subordination

and superordination to obtain sufficient conditions for the function $\,f\,$ to

satisfy

$$q_1(z) \prec \frac{z(f*g)'(z)}{\Phi(f*g)(z)} \prec q_2(z)$$

where g is a fixed function.



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