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## Coefficients of Inverse Functions in a Nested Class of Starlike Functions of Positive Order

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**Abstract:**

In the present paper we find the estimates on the  $n^{\text{th}}$  coefficients in the Maclaurin's series expansion of the inverse of functions in the class

$$\sum_{n=2}^{\infty} n^{\delta} \left( \frac{n-\alpha}{1-\alpha} \right) |a_n| \leq 1. \text{ For each } n \text{ these estimates are sharp when}$$

$\alpha$  is close to *zero* or *one* and  $\delta$  is close to *zero*. Further for the second, third and fourth coefficients the estimates are sharp for every admissible values of  $\alpha$  and  $\delta$ .



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