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Coefficient inequality for transforms of starlike and convex functions

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ABSTRACT.

The objective of this paper is to obtain an upper bound for the second Hankel functional associated with the k^{th} root transform $\left[f(z^k)\right]^{\frac{1}{k}}$ of normalized analytic function $f(z)$ belonging to starlike and convex functions, defined on the open unit disc in the complex plane, using Toeplitz determinants.

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