

Citation:

S. Kumar and V. Kumar, Sharp estimates on Hermitian-Toeplitz determinant for Sakaguchi classes, Communications of the Korean Mathematical Society (2022). <https://doi.org/10.4134/CKMS.c210332>

Abstract:

In this paper, sharp lower and upper bounds on the third order Hermitian-Toeplitz determinant for the classes of Sakaguchi functions and some of its subclasses related to right-half of lemniscate of Bernoulli, reverse lemniscate of Bernoulli and exponential functions are investigated.

Keywords:

Starlike and convex functions with respect to symmetric points, Hermitian-Toeplitz determinants, exponential function, lemniscate of Bernoulli, reverse lemniscate