



Volume 4, Issue 1, Article 17

## Coefficient Inequalities for Certain Classes of Meromorphically Starlike and Meromorphically Convex Functions

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**Keywords:** Meromorphic functions, Univalent functions, Starlike functions, Convex functions.

**Date Received:** 27/11/02

**Date Accepted:** 17/01/03

**Subject Codes:** 30C45

**Editors:** [Hari M. Srivastava](#),

**Abstract:**

Let  $\Sigma_{\tau}$  be the class of meromorphic functions  $f(z)$  in  $\Sigma_{\tau}$  with a simple pole at the origin. Two subclasses  $T_{\tau}^*(\alpha)$  and  $\mathcal{C}_{\tau}(\alpha)$  of  $\Sigma_{\tau}$  are considered. Some coefficient properties of functions  $f(z)$  to be in the classes  $T_{\tau}^*(\alpha)$  and  $\mathcal{C}_{\tau}(\alpha)$  of  $\Sigma_{\tau}$  are discussed. Also, the starlikeness and the convexity of functions  $f(z)$  in  $\Sigma_{\tau}$  are discussed.



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