



Volume 9, Issue 2, Article 32

## Sufficient Conditions for Starlikeness and Convexity in $|z| < 1/2$

**Authors:** Mamoru Nunokawa, Shigeyoshi Owa, Yayoi Nakamura, Toshio Hayami,

**Keywords:** Analytic, Starlike, Convex.

**Date Received:** 18/02/08

**Date Accepted:** 04/06/08

**Subject Codes:** Primary 30C45.

**Editors:** Anthony Sofo,

**Abstract:** For analytic functions  $f(z)$  with  $f(0) = f'(0) - 1 = 0$  in the open unit disc  $\mathbb{E}$ , T. H. MacGregor has considered some conditions for  $f(z)$  to be starlike or convex. The object of the present paper is to discuss some interesting problems for  $f(z)$  to be starlike or convex for  $|z| < \frac{1}{2}$ .



[Download Screen PDF](#)



[Download Print PDF](#)



[Send this article to a friend](#)



[Print this page](#)

search

[\[advanced search\]](#)

copyright 2003

[terms and conditions](#)

[login](#)