

**Obradović, Milutin; Owa, Shigeyoshi**

**An application of differential subordinations. II.** (English) Zbl 0711.30023  
Mat. Vesn. 41, No. 2, 99-102 (1989).

[For part I see Math. Nachr. 147, 61-64 (1990; reviewed above).]

Let  $A$  denote the family of analytic functions  $p$  defined in the unit disc, with  $p(0) = 1$ . The basic result of this work is a sufficient condition for the inequality  $|\arg p(z)| < \gamma(\pi/2)$  to hold, where  $0 \leq \gamma < 1$ ,  $p \in A$ . The method of differential subordinations is used in the proof of the above result.

Reviewer: [St.Walczak](#)

**MSC:**

- [30C45](#) Special classes of univalent and multivalent functions of one complex variable (starlike, convex, bounded rotation, etc.)
- [30C80](#) Maximum principle, Schwarz's lemma, Lindelöf principle, analogues and generalizations; subordination
- [30C70](#) Extremal problems for conformal and quasiconformal mappings, variational methods

Cited in 1 Review

**Keywords:**

[differential subordinations](#)