

**CORRIGENDUM TO
"THE DERIVATIVE OF BAZILEVIC FUNCTIONS"**

R. R. LONDON AND D. K. THOMAS

(Communicated by Clifford J. Earle, Jr.)

There is a rather serious typographical error in our paper *The derivative of Bazilevic functions*, **104** (1988), 235–238. The inequality in the theorem on page 235 is incorrect as printed. The correct statement is as follows:

Theorem. For $f \in B_0(\alpha)$ and $|z| \leq r < 1$,

$$\frac{1-r}{\alpha(1+r)} \bigg/ \int_0^1 t^{\alpha-1} \frac{1-tr}{1+tr} dt \leq \left| \frac{zf'(z)}{f(z)} \right| \leq \frac{1+r}{\alpha(1-r)} \bigg/ \int_0^1 t^{\alpha-1} \frac{1+tr}{1-tr} dt.$$

The left-hand and right-hand inequalities are sharp in $B_0(\alpha)$ for the function

$$f_0(z) = z \left(\alpha \int_0^1 t^{\alpha-1} \frac{1+tz}{1-tz} dt \right)^{1/\alpha}$$

at $z = -r$ and $z = r$, respectively.

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE, UNIVERSITY COLLEGE OF SWANSEA,
SWANSEA SA2 8PP, WALES