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THE MAXIMUM TERM AND THE RANK OF AN ENTIRE FUNCTION: CORRIGENDUM

V. SREENIVASULU

In view of the obvious mistake on p. 261, line 1, the first two lines of Theorem 3 should read as follows.

THEOREM 3. *Let* $G(z) = G_1(z)G_2(z)$, *where*

$$G_1(z) = \sum_{n=0}^{\infty} a_n z^n \quad (a_n \text{ reals}) \qquad \text{and} \qquad G_2(z) = \sum_{n=0}^{\infty} b_n z^n$$

are two entire functions, such that

$$M(r, G) = O(M(r, G_1)M(r, G_2)) \ldots .$$

Omit lines 18–26 of p. 260 and lines 1–8 of p. 261. Instead, read the following.

Now,

$$M(r, G_1) = \sum_{n=0}^{\infty} |a_n| r^n \qquad \text{and} \qquad M_2(r, G_1) = \left(\sum_{n=0}^{\infty} |a_n|^2 r^{2n}\right)^{\frac{1}{2}}.$$

For $R_n \leqq r < R_{n+1}$, we have

$$\frac{(M_2(r, G_1))^2}{(M(r, G_1))^2} = \frac{(\cdots + R_n^2/r^2 + 1 + r^2/R_{n+1}^2 + \cdots)}{(\cdots + R_n/r + 1 + r/R_{n+1} + \cdots)^2}$$
$$< \left(\cdots + \frac{R_n}{r} + 1 + \frac{r}{R_{n+1}} + \cdots\right)^{-1}.$$

Using the hypothesis, we obtain

$$\lim_{r \to \infty} \frac{M_2(r, G_1)}{M(r, G_1)} = 0.$$

From this, (3.8), and the hypothesis, we obtain the required result.

University of Poona,
Poona, India

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