Corrigendum

On the maximum terms of an entire function and its derivatives

(Publicationes Mathematicae, 8 (1961), pp. 308-312)

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Lemma 2 in the above paper should be corrected as follows:

(*)
$$v_j(r) \le r \frac{\mu_{j+1}(r)}{\mu_i(r)} \le v_{j+1}(r) + 1, \quad j = 0, 1, 2, \dots$$

This requires a corresponding correction in relation (4), p. 310, and hence also a correction in the proof of my Theorem 1, p. 309, as follows:

Lemma 2. in the correct form (*) yields:

$$r^{j} \frac{\mu_{j}(r)}{\mu_{0}(r)} \begin{cases} \leq [v_{j}(r) + j][v_{j}(r) + j - 1]...[v_{j}(r) + 1], \\ \geq v_{0}(r)[v_{0}(r) - 1]...[v_{0}(r) - j + 1], \end{cases}$$

i. e.

$$r^{j} \left[\frac{\mu_{j}(r)}{\mu_{0}(r)} \begin{cases} \leq F(r) \sim \{v_{j}(r)\}^{j} \\ \geq G(r) \sim \{v_{0}(r)\}^{j}, \qquad r \to \infty. \end{cases}$$

After this, the proof of my *Theorem 1* can be completed by using my Lemma I where of course $v_i(r)$ in the formulae for ϱ and λ is a misprint for $\log v_i(r)$.

Taking into account the correct form (*) of my Lemma 2, my Theorem 2 will read thus:

For $r > r_0$,

$$\begin{split} r\frac{\mu_1(r)}{\mu(r)} &> \frac{\log \mu(r)}{\log r}\,,\\ r^j\frac{\mu_j(r)}{\mu(r)} &> \frac{\log \mu(r)}{\log r} \left[\frac{\log \mu(r)}{\log r} - 1\right] \dots \left[\frac{\log \mu(r)}{\log r} - j + 1\right], \quad j \geqq 2. \end{split}$$

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