

# A CORRECTION TO THE PAPER "ON EFFECTIVE SETS OF POINTS IN RELATION TO INTEGRAL FUNCTIONS"\*

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An additional hypothesis is necessary for the truth of Lemma 3. In the relation  $g'(z_n) = P'_n(z_n)Q_n(z_n)$ , in order that Lemma 3 may be true it is necessary to prove that  $\lim_{n \rightarrow \infty} (\log |P'_n(z_n)| / |z_n|^\rho) = 0$ . Under the conditions stated in the Lemma we can prove only that  $\limsup_{n \rightarrow \infty} (\log |P'_n(z_n)| / |z_n|^\rho) \leq 0$ . If we assume also that  $\liminf_{n \rightarrow \infty} (\log \mu_n / |z_n|^\rho) \geq 0$ , where  $\mu_n = \min_{n \neq \nu} |z_n - z_\nu|$ , it will follow that  $\liminf_{n \rightarrow \infty} (\log |P'_n(z_n)| / |z_n|^\rho) \geq 0$ , hence Lemma 3 will hold. This additional condition is obviously satisfied in the particular case worked out in Lemma 4 since the circles are non-overlapping after a certain stage and each circle contains only one zero. If  $\mu_n$  is sufficiently small, Lemma 3 will cease to be true, hence one of the doubtful points raised in §3.6 is answered in the negative.

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\* Received by the editors December 6, 1937. Cf. these Transactions, vol. 42 (1937), pp. 358-365.

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