

$$z' = -\alpha \sin \theta \cos \theta \tan^2 \omega y'^2 + \dots$$

Thus we can easily obtain the following metric characterization, instead of (20), of the invariant  $J$  given by equation (19):

$$J = \left( \frac{2 \sin \omega}{3 \sin \theta} \right)^6 \frac{R^2 \bar{R}^4}{T^6 \bar{T}}$$

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### A REMARK ABOUT OUR NOTE "TRANSCENDENCE OF FACTORIAL SERIES WITH PERIODIC COEFFICIENTS"<sup>1</sup>

VERNE E. DIETRICH AND ARTHUR ROSENTHAL

Dr. B. McMillan has called our attention to his paper *A note on transcendental numbers*, *Journal of Mathematics and Physics* vol. 18 (1939) pp. 28–33. Moreover, Prof. C. D. Olds has referred us to the article *On transcendental numbers* by T. Itihara and K. Ôishi, *Tôhoku Math. J.* vol. 37 (1933) pp. 209–221. We had not known both these papers, which are closely related to our result. In the meantime Prof. J. Popken, in his review of our note (*Mathematical Reviews* vol. 11 (1950) p. 331), also called attention to B. McMillan's general theorem II, but remarked: "However, McMillan's proof is not quite correct and his results need supplementing." (Concerning this see a forthcoming paper of Prof. J. Popken.) On the other hand our result does not formally follow from T. Itihara's Theorem 1 (which admits  $k$  exceptional values). But our result can indeed easily be obtained also by the method applied in the proofs of T. Itihara's Theorem 1 or B. McMillan's Theorem II. However, our method is different and more direct.

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<sup>1</sup> *Bull. Amer. Math. Soc.* vol. 55 (1949) pp. 954–956.