Errata to the paper

ON THE PLANE SECTIONS METHOD FOR FUNCTIONS OF TWO VARIABLES

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The last paragraph of the proof of Lemma 4.1 is not correct. We provide here a corrected proof of the assertion that if $\rho(\lambda_1) = \infty$ and the p_n are free of zeros in some neighborhood of λ_1, then $\rho(\lambda) = \infty$ in a full neighborhood of λ_1.

By hypothesis,

$$\lim_{n \to \infty} \frac{1}{n} \log |p_n(\lambda_1)| = -\infty,$$

an ordinary limit. Because the functions $(1/n) \log |p_n(\lambda)|$ are harmonic and bounded above in a disc about λ_1, we can subtract off an appropriate constant and use Harnack's inequality ([1], p. 235) to infer the result. Indeed, it then follows from the subharmonic property of these functions that $\rho \equiv \infty$ in the entire plane.

We may as well mention that in the definition of $r(\lambda)$ in this paper, g.l.b. should be replaced by l.u.b.

References

[1] Lars V. Ahlfors, *Complex analysis*, Second Edition, McGraw-Hill, 1966