Annales de l'institut Fourier

W. Rudin

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Annales de l'institut Fourier, tome 25, nº 1 (1975), p. 1 (feuille volante)

<http://www.numdam.org/item?id=AIF_1975__25_1_0_0>

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ERRATA

"SPACES OF TYPE $H^{\infty}+C$"

Article paru dans le tome 25 (1975), fascicule 1, pp. 99-125

Mémoire de W. RUDIN

In order to conclude in Theorem 3.4 (pp. 113-114) that $C_{ru}(G)+P_a(G)$ is not an algebra, another non-triviality condition must be added to the hypotheses, namely :

> There is a $\varphi \in P_a(G)$ such that $m(\{x : \varphi(x) \neq f(x)\}) > 0$ for every $f \in C(G)$.

This assumption is explicitly used in the last paragraph of the proof. To see an example in which it fails, let $G = T$, $a = e^{2\pi i\theta}$, θ irrational. In that case, every $\varphi \in P_a(T)$ is constant almost everywhere since $\hat{\varphi}(n) = e^{2\pi in\theta}\hat{\varphi}(n)$ for every integer n . Hence $C(T)+P_a(T) = C(T)$, an algebra.

This omission was pointed out by R. B. Burckel.

Also, in formula (2), p. 109, $d\sigma(\zeta)$ should be replaced by $f(\zeta)d\sigma(\zeta)$.