

Errata to “Wiener’s theorem, the Radon—Nikodym theorem, and $M_0(\mathbf{T})$ ”

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Due to editorial error, many typographical and other errors occurred in the above article which appeared in vol. 24 (1986) on pp. 277—282 of this journal.

We begin with the title, where $m_0(\mathbf{T})$ should be $M_0(\mathbf{T})$. Next is a missing footnote on the author’s name; the footnote should read, “This material is based upon work supported by the North Atlantic Treaty Organization under a Grant awarded in 1983”.

The second displayed equation on p. 277 should read

$$\mathcal{E}^\perp = \{\mu \in M(\mathbf{T}) : \forall E \in \mathcal{E} \ |\mu|(E) = 0\}.$$

On p. 278, line –2, Cesàro is missing an accent mark.

On p. 279, each of the 26 occurrences of \mathcal{C} should be a \mathcal{T} , while each of the first 6 occurrences of c should be a \mathcal{C} . The last c , on the last line, should be a \mathcal{C} .

The line preceding Theorem 6 has a single quote which should be a double, while the last sentence of Theorem 6, “It follows that...”, is not part of the Theorem and should be in Roman type.

Line 3 of p. 280 should read

$$= \ker \{f \in C(\mathbf{T}) : f = 0 \text{ on } \text{supp } \sigma\} = M(\text{supp } \sigma).$$

The proofs of Lemmas 4 and 7, Propositions 5 and 9, and Theorems 1 and 6 are missing the end-of-proof symbol \blacksquare .

The first lines of the proof of Lemma 4 should be set as follows:

Proof of Lemma 4. Let

$$\Omega_\mu(h) = \sup \{|\mu I| : I \text{ is a closed arc of } \mathbf{T} \text{ of length } h\}.$$

Then Wiener showed (see [1, Chap. II, § 2]) that for all μ ,

Line 2 of p. 281 should begin:

$$(\|v\|_M |\sigma| / |\sigma|(I_n))|_{I_n} \xrightarrow{w^*} v, \text{ where } I_n = (\tau - n^{-1}, \tau + n^{-1}).$$

Line 11 of p. 281 should have $q_m = (\mu_m|_E) - \nu_d$, line 14 should have $\sigma_m + q_m^+ \xrightarrow{wN} \nu_c$ and $q_m^- \xrightarrow{wN} 0$, line 19 should have $\|q_m^-\|_M$ and $\sum_{\tau \in E_m^- \setminus F}$, and in line 20, e should be ε . In line 25, $e^{2\pi i n t}$ should be in italic.

Line 5 of p. 282 should read

$$L^{\|\cdot\|}(\sigma) \subset M_d(E) + L^1(\lambda|_E).$$

Reference 2 should have "Springer" in place of "Springer-Verlag", reference 5 should have (N.S.) before the 10, and reference 6 should read:

6. RUSSELL LYONS, Fourier—Stieltjes coefficients and asymptotic distribution modulo 1, *Ann. of Math.* **122** (1985), 155—170.

At the end, the author's name is misspelled and his current address (which appears below) is not given.

We shall take advantage of this opportunity to note that the main questions left open by this article are answered in a forthcoming article of the author entitled "Topologies on measure spaces and the Radon—Nikodym theorem" to appear in *Studia Mathematica*.

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