ERRATA

**Erratum: “Fourier Coefficients of Functions
with a Given Modulus of Continuity”
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In his letter to the Editor of “Mathematical Notes,” the referee pointed out the incompleteness of the proof of Lemma 3. Indeed, the proof should have been provided with some reservations, which was not done.

First, it should be noted the functions f taking negative values on $[0, \pi/2]$ can be excluded.

For functions $f \in H[\omega]$ that are nonnegative on $[0, \pi/2]$, we denote

$$F(x) = \max_{0 \leq t \leq x} f(t).$$

We must prove the inclusion $F \in H[\omega]$.

Take points x_1, x_2 from $[0, \pi/2]$ such that $x_1 < x_2$. In proving the estimate

$$F(x_2) - F(x_1) \leq \omega(x_2 - x_1),$$

we can assume without loss of generality that $x_2 \leq \tilde{x}$, where $\tilde{x}$ is the least value of x for which the function F attains its maximum on $[0, \pi/2]$.

The remaining part of the proof is the same.

The author wishes to express gratitude to the referee for useful remarks.

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