

CORRECTION TO THE PAPER "FREE SUBALGEBRAS
OF COMPLETE BOOLEAN ALGEBRAS AND SPACES
OF CONTINUOUS FUNCTIONS" [1]

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We use the terminology and notation of [1]. In the proof of Theorem 3 we committed an error when verifying the following statement:

A) Let β be an ordinal, $\{m_\alpha\}_{\alpha < \beta}$ be a nondecreasing sequence of cardinals; then the B. a. (Boolean algebra) $\sum_{\alpha < \beta} K\mathcal{F}_{m_\alpha}$ is semifree.

Correction: assume that A) has been proved for all β less than some ordinal γ . If $\gamma = \mu + \nu$, where $1 \leq \nu < \gamma$, then both the algebras $\sum_{0 \leq \alpha < \mu} K\mathcal{F}_{m_\alpha}$, $\sum_{\mu \leq \alpha < \gamma} K\mathcal{F}_{m_\alpha}$ are semifree and, hence, so is the algebra $\sum_{0 \leq \alpha < \gamma} K\mathcal{F}_{m_\alpha}$. However, if the inequality $\mu + \nu < \gamma$ holds for all $\mu, \nu < \gamma$, then we can find an ordinal δ such that $\gamma = \omega^\delta$ (see Theorem 7 on p. 261 of [2]). But then the B. a. $\sum_{\alpha < \gamma} K\mathcal{F}_{m_\alpha}$ satisfies condition 3 of Theorem 2 since there exists a strictly increasing transfinite sequence of ordinals $\{s_\lambda\}$ such that $\omega^\delta = \sup_\lambda s_\lambda = \sum_\lambda s_\lambda$.

P. 577. Instead of $\prod_{\gamma \in \Gamma} m_\gamma$ there should be $\prod_{\gamma \in \Gamma} m_\gamma$.

P. 580. In the power indices there must be 2^{\aleph_0} instead of 2^{\aleph} .

LITERATURE CITED

1. S. V. Kislyakov, "Free subalgebras of complete Boolean algebras and spaces of continuous functions," *Sibirsk. Matem., Zh.*, **14**, No. 3, 569-581 (1973).
2. K. Kuratowski and A. Mostowski, *Set Theory* [Russian translation], Mir, Moscow (1970).

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