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) $\sum\limits_{\alpha<\beta} K\mathscr{F}_{m_\alpha}$ 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 $\sum\limits_{0\leqslant\alpha<\mu} K\mathscr{F}_{m_\alpha}$, $\sum\limits_{\mu\leqslant\alpha<\gamma} K\mathscr{F}_{m_\alpha}$ are semifree and, hence, so is the algebra $\sum\limits_{0\leqslant\alpha<\gamma} K\mathscr{F}_{m_\alpha}$. 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 than the B. a. $\sum\limits_{\alpha<\gamma} K\mathscr{F}_{m_\alpha}$ satisfies condition 3 of Theorem 2 since there exists a strictly increasing transfinite sequence of ordinals $\{s_\lambda\}$ such that $\omega^\delta = \sup\limits_\lambda s_\lambda = \sum\limits_\lambda s_\lambda$.

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

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

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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