Corrections

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Abstract

Full Text

Corrections

In the article by N. I. Ershov and Ya. T. Eidus, "Experimental substantiation of the chain mechanism of the heterogeneous-catalytic hydropolymerization reaction of olefins occurring under the influence of carbon monoxide and hydrogen," published in *DAN*, vol. 115, no. 6, 1957, on p. 1127, in Table 1, instead of "Yield per initiator, %," one should read: "Yield per initiator."

In the article by Z. A. Vinogradova, "Biochemical composition of the plankton of the Black Sea," published in *DAN*, vol. 116, no. 4, 1957, on p. 689, the phrase in lines 11-24 should read:

The salinity in these regions was 3-4‰ higher than in the following year, 1955, and by the same amount higher than the mean long-term salinity, which promoted the development of typically Black Sea forms of zooplankton and, conversely, created unfavorable conditions for the development of brackish-water and heat-loving forms of plankton, which in ordinary years produce in this part of the sea and at this time of year a strong burst of development.

In the article by A. S. Kel' zon, "Self-guidance as a problem of technical cybernetics," published in *DAN*, vol. 116, no. 6, 1957, on p. 934, line 23 from the bottom, where it is printed $\psi = \pi/2$, one should read $\psi = -\pi/2$; on p. 934, line 5 from the bottom, where it is printed: changes, one should read: is measured.

In the article by A. Vinogradov, B. Delone, and D. Fuks, "On rational approximations to irrational numbers with bounded partial quotients," published in *DAN*, vol. 118, no. 5, 1958, the end of p. 864 and the beginning of p. 865 should read:

From this proof the following consequences are obtained:

I. If θ belongs to $\{L\}$, which rests on $\{M\}$, with series (1) attainable at α_0, then the expansion of θ into a continued fraction has the form

$$\theta = a_0,\ a_1 a_2 \dots a_k \tilde{\alpha}_0 \{a\} \overline{\alpha_{-1}\alpha_0\alpha_1}\{a\}\overline{\alpha_{-2}\alpha_{-1}\alpha_0\alpha_1\alpha_2}\{a\} \dots,$$

where $a_0, a_1, \dots, a_k$ are arbitrary; α_1, $\overline{\alpha_{-1}\alpha_0\alpha_1}$, $\overline{\alpha_{-2}\alpha_{-1}\alpha_0\alpha_1\alpha_2}$ ... are ever longer segments of series (1), symmetric with respect to α_0, and $\{a\}$ are finite "insertions," which may be chosen arbitrarily. In view of the arbitrariness of these

insertions, on one and the same attainable class $\{M\}$ there rests, generally speaking, a continuum of classes $\{L\}$. Moreover, every time $\lambda_L = \lambda_M$.

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Note: Figure translations are in progress. See original paper for figures.