ERRATUM

TO THE PAPER BY N. N. LEONENKO "LIMITING THEOREMS FOR SOJOURN MEASURES IN DOMAINS OF VECTOR-VALUED GAUSSIAN RANDOM FIELDS,"

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By the author's fault, some mistakes were made in the formulation and proof of the second part of Theorem 4. There follows the list of corrections:

- (i) **p. 557.** The equality $k_* = (\mu_1^2 - \mu_2^2)/2 \geq 0$ in line 14 must be replaced by $k_* = (\mu_2^2 - \mu_1^2)/2 \geq 0$; the right-hand side of relation (11) must be multiplied by $2pf(r)^p$; on the right-hand side of relation (12), the expression $\pi 2^{p-1} e^{-\mu_2^2 f(r)}$ must be replaced by $2^{-p+1} \pi^{-1} e^{-\mu_1^2 f(r)}$; in relation (13), the factor d_j^{-1} after the sign of summation must be omitted; relation (14) must be rewritten as follows:

$$\int_{v(r)} H_2(\eta_1(x)) dx / (r^{n-\alpha} L(r) d_1 \sqrt{2c_1(n, 2, \alpha)});$$

in the first expression in line 8 f.b., the factor d_j^{-1} after the sign of summation must be omitted; the second expression in line 8 f.b.

$$\bar{X}_2(1) / (d_1 \sqrt{2c_1(n, 2, \alpha)}).$$

- (ii) **pp. 558, 559.** In relations (16)–(18), μ_1^2 and μ_j^2 must be replaced by μ_1^{-2} and μ_j^{-2} , respectively.
- (iii) **p. 560.** Relation (21) must be rewritten as follows:

$$C_r(0, 2, 0, \dots, 0) / C_r(2, 0, \dots, 0) \sim e^{-\mu_2^2 f(r)/2} / e^{-\mu_1^2 f(r)/2} \rightarrow 0, \quad r \rightarrow \infty;$$

the relation in line 12 must be rewritten as follows:

$$DC_3(r) \sim 2c_1(n, 2, \alpha) d_1^2 r^{2(n-\alpha)} L^2(r) C_r^2(2, 0, \dots, 0);$$

in the relation in lines 19, 20 f.b., $f(r)$ must be raised to the power $(p-1)/2$ instead of $p/2-1$, and the factor $(p-2)$ must be replaced by $(p/2-2)$; in the relation in line 17 f.b., the sign $\sum_{j=2}^p$ must be placed before the integral, $H_2(\eta_1(x))$ must be replaced by $H_2(\eta_j(x))$, and under the sign of square root, $(p-1)$ must be replaced by d_1^2 ; finally, in line 16 f.b., "the summand in (22)" must be replaced by "the second summand in (22)."