In my note (Sh. Yarmukhamedov, “On the growth of functions harmonic in a cylinder and growing on its boundary together with the normal derivative”), published in *DAN*, vol. 152, no. 3, 1963, inaccuracies were allowed in the formulation of the theorems.

Theorem 1 is true under the following conditions:

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Abstract

Full Text

LETTER TO THE EDITOR

In my note (Sh. Yarmukhamedov, "On the growth of functions harmonic in a cylinder and growing on its boundary together with the normal derivative"), published in *DAN*, vol. 152, no. 3, 1963, inaccuracies were allowed in the formulation of the theorems.

Theorem 1 is true under the following conditions:

1. Inside the half-cylinder

$$|U| < M \exp\left[e^{(\rho_1-\varepsilon)x}\right].$$

2. On the boundary

$$|U| + \left|\frac{\partial}{\partial n}U\right| < M_1 \exp\left(ae^{\rho x}\right), \qquad \rho < \rho_1 < 2\rho, \qquad \alpha < a\cos\frac{\pi\rho}{2\rho_1}.$$

In the description of the contour, ρ_1 should be replaced by ρ.

In Theorem 2 the same condition inside must also be satisfied by the gradient of the function. Apparently, the condition on the gradient is superfluous; however, we have no proof of this.

In Theorem 3, $o(e^{\rho_1 x})$ should be replaced by $e^{(\rho_1-\varepsilon)x}$ $(\rho < \rho_1 - \varepsilon)$, and a_1 by $a_1 + \varepsilon_0$ $(\varepsilon_0 > 0)$; in the boundary condition, $\dfrac{\partial U}{\partial n}$ should be replaced by $\operatorname{grad} U$.

Sh. Yarmukhamedov

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