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Correction to our paper: “Periodic solutions of the first boundary value problem for a linear and weakly nonlinear heat equation”

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CORRECTION TO OUR PAPER: "PERIODIC SOLUTIONS
OF THE FIRST BOUNDARY VALUE PROBLEM FOR A LINEAR
AND WEAKLY NONLINEAR HEAT EQUATION".¹⁾

VĚNCESLAVA ŠĚASTNOVÁ, OTTO VEJVODA

We ask the kind reader to change in §§2 and 3 the norm of the space \mathfrak{U} into

$$\|u\| = \sup_{\mathfrak{I} \times \mathfrak{I}} |u(t, x)| + \sup_{\mathfrak{I} \times \mathfrak{I}} |x(\pi - x) \sqrt{t} u_x(t, x)| + \sup_{\mathfrak{I} \times \mathfrak{I}} |x^2(\pi - x)^2 t u_{xx}(t, x)|.$$

The confusion of the correct definition and the introduced one was caused by the following fact. In the original formulation of our result we considered the function φ, h_0, h_1 of class C_2 and then the norm in our paper is adequate. But, then we decided to take the functions φ, h_0, h_1 only continuous and we omitted to replace the formulæ of the norm in the corresponding manner.

¹⁾ Apl. Mat. 13 (1968), 466—477.