

ERRATUM

Erratum to the article by A.P. Proskuriakov, "Oscillations of quasilinear nonautonomous systems with one degree of freedom near resonance." (*PMM* Vol. 23, No. 5, 1959).

Due to an oversight on my part, the equations for functions $y_{10}(t)$, $y_{11}(t)$, $y_{12}(t)$ given on p. 1225, lines 19-21 are not correct. Incorrect also is the assertion that "Analogous equations hold for $y_{20}(t)$, $y_{21}(t)$, $y_{22}(t)$."

However, these equations are not even required. It is not difficult to see that

$$y_1(t) = (\partial x(t)/\partial A_0), \quad y_2(t) = (\partial x(t)/\partial B_0)$$

are particular solutions of variational equations (4.1), which constitute the fundamental system. Consequently, to find the functions $y_1(t)$ and $y_2(t)$ it is sufficient to differentiate with respect to A_0 and B_0 the coefficients of the expansion of the solution $x(t)$ into a series of integer powers of the parameter μ , determined by Formulas (1.4), (3.7), (3.8). Formulas (4.3) give the correct values of the sought functions.

A.P. Proskuriakov