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In the last section of my paper an example was given of determining asymptotic estimates of the frequencies of free vibrations of a spherical segment, clamped along the contour. Thereby the "solution equation" was used, which, as was indicated by M.K. Mishonov (On the theory of shallow shells, *PMM* Vol. 22, No. 5, 1958) in the case of a spherical shell may lead to a loss of some solutions. If one starts not with Equation (1.5) of [1], but from the system of Equations (1.3), then we obtain for the stress function $\Phi(x_1)$ and the deflection function $W(x_1)$ the expressions

$$\Phi(x_1) = C_1 \sin k_1x_1 + C_2 \cos k_1x_1 + C_3e^{-s_1x_1} + C_4e^{-k_2x_1} + x_1C_5e^{-k_2x_1}$$

$$\frac{Eh}{R} W(x_1) = (k_1^2 + k_2^2)(C_1 \sin k_1x_1 + C_2 \cos k_1x_1 - C_3e^{-s_1x_1}) + \frac{2k_2\varkappa^4C_5e^{-k_2x_1}}{(k_1^2 + k_2^2)^2 + \varkappa^4}$$

Here

$$s_1 = (k_1^2 + 2k_2^2)^{\frac{1}{2}}, \qquad \varkappa = \left(\frac{Eh}{DR^2}\right)^{\frac{1}{4}}$$

In [1], the last term in the expression for $W(x_1)$ was omitted by an oversight of the author. Let us consider the following case of boundary conditions: $W(0) = W'(0) = \Phi(0) = \Phi'(0) = 0$ ("sliding" fixation). Instead of Equations (6.11) we obtain

$$\cot\frac{k_1a_1}{2} = -\frac{k_1}{s_1}\frac{1-g_1}{1-\frac{k_1}{s_1}g_1}, \qquad \cot\frac{k_2a_2}{2} = -\frac{k_2}{s_2}\frac{1-g_2}{1-\frac{k_2}{s_2}g_2} \tag{1}$$

where

$$g_1 = \frac{2k_2(s_1^2 + k_1^2)\varkappa^4}{(k_1^2 + k_2^2)(s_1 + k_2)[(k_1^2 + k_2^2)^2 + \varkappa^4]}$$

(Formula for g_2 is obtained by cyclic permutation of indices in k_1, k_2 and s_1). If $(k_1^2 + k_2^2)^2 \gg \kappa^4$, then $g_1 \ll 1$, $g_2 \ll 1$ and Equations (1) become Equations (6.11) of [1]. Subsequent results, pertaining to a clamped plate ($R \to \infty$, $\kappa \to 0$), remain valid.

Translated by G.H.