Errata

Asymptotic Theory of Propeller Noise – Part I: Subsonic Single-Rotation Propeller

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DUE to an error during the production of this paper, the following equations were published incorrectly. They appear here in their correct form:

$$p = \frac{-\rho c_0^2 DB}{8\pi r_0(1-M_x\cos\theta)} \times \sum_{m=-\infty}^{\infty} \exp\left[\frac{imB\Omega}{(1-M_x\cos\theta)}\left(t-\frac{r_0}{c_0}\right)+imB\left(\frac{\pi}{2}-\psi_0\right)\right] \times \int_{z_0}^{1} M_r^2 e^{-i\phi_S} J_{mB}\left[\frac{mBM_t z\sin\theta}{(1-M_x\cos\theta)}\right]\left(k_x^2\frac{b}{c}\right) \times \Psi_V(k_x)\,dz \tag{6}$$

with chordwise noncompactness factor

$$\Psi_V(k_x) = \int_{-1/2}^{1/2} h(X)e^{-ik_xX}\,dX \tag{7}$$

Motion and Deformation of Very Large Space Structures

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THE following errors were made inadvertently during production of this paper. On page 375, Eqs. (3a) and (3c) contained errors. The correct equations are as follows:

$$m\ddot{r}_c - mr_c\dot{\theta}^2 + \mu\left[\frac{m_1(r_c+x_1\cos\phi)}{r_1^3}+\frac{m_2(r_c-x_2\cos\phi)}{r_2^3}\right] = Q_r \tag{3a}$$

$$\bar{m}\ddot{x} - \bar{m}x(\dot{\theta}+\dot{\phi})^2 + \bar{m}\mu\left[\frac{(x_1+r_c\cos\phi)}{r_1^3}+\frac{(x_2-r_c\cos\phi)}{r_2^3}\right] + \frac{Gm_1m_2}{x^2}+\frac{\partial U_e}{\partial x} = Q_x \tag{3c}$$

On page 376, the second to last sentence in the section titled "Physical Model and Initial Conditions" should read as follows:

Two elliptical orbits are considered—one with the initial orbital angular velocity $\dot{\theta}_0$ equal to 0.0738 rad/min, giving a small orbit eccentricity ($e=0.0785$), and the other with $\dot{\theta}_0$ equal to 0.08883 rad/min, giving a fairly large orbit eccentricity ($e=0.56$).

Also in the same section, $G = 8.64432\times10^{-16}$ km^4/N·min^4.

The first sentence of the second paragraph in the section title "Results" should read as follows:

Figure 2b shows that an increase in the eccentricity of an orbit introduces larger libration in the attitude motion ϕ.