# Errata

## 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:

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

$$\bar{m}\ddot{x} - \bar{m}x(\dot{\theta} + \dot{\phi})^2 + \bar{m}\mu\left[\frac{(x_1 + r_c\cos\phi)}{r_1^3} + \frac{m_2(x_2 - r_c\cos\phi)}{r_2^3}\right] + \frac{Gm_1m_2}{x^2} + \frac{\partial U_e}{\partial x} = Q_x \tag{3c}$$

On page 376, the penultimate 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 ($e = 0.56$).

## Control of Flexible Structures by Applied Thermal Gradients

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THE following errors were made inadvertently during production of this paper. On page 878, Eqs. (2) and (5) contained errors. The correct equations are as follows:

$$T \equiv \frac{\partial T_{\text{step}}(t)}{\partial t} = \frac{Q}{\rho chS}\left[1 + \frac{2}{\pi^2}\sum_{n=1}^{\infty}\frac{(-1)^n}{n^2}\beta_n e^{-\beta_n t}\cos\frac{n\pi\hat{z}}{h}\right] \tag{2}$$

$$\frac{T(t)}{V_c(t)} = \frac{C_{QV}}{\rho chn_s S}\left[1 + \frac{2}{\pi^2}\sum_{n=1}^{\infty}\frac{(-1)^n}{n^2}\beta_n e^{-\beta_n t}\cos\frac{n\pi\hat{z}}{h}\right] \tag{5}$$