

Corrigendum

Corrigendum to “Bifurcations and chaos in a forced cantilever system with impacts” [Journal of Sound and Vibration 296 (2006) 1068–1078]

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The authors regret that there were errors in the following equations and apologise for any confusion caused. The corrected versions of Eqs. (2), (3), (5)–(7) and (9) follow.

$$M\ddot{x} + c\dot{x} + 12\frac{EI}{L^3}x + \frac{432EI}{35L^5}x^3 = F_0\cos(\omega t), \quad (2)$$

$$M\ddot{x} + c\dot{x} + 12\frac{EI}{L^3}x + \frac{432EI}{35L^5}x^3 + KH(x)(x - e_0) = F_0\cos(\omega t), \quad (3)$$

$$\begin{cases} \dot{y} = z, \\ z = \beta\cos(\Omega\tau) - 2\xi z - y - \frac{36}{35}y^3 - kH(y)(y - \hat{e}_0), \end{cases} \quad (5)$$

$$y = \frac{x}{L}, \quad \tau = \omega_0 t, \quad \xi = \frac{c}{2\omega_0 M}, \quad \beta = \frac{F_0}{\omega_0^2 ML}, \quad \Omega = \frac{\omega}{\omega_0}, \quad k = \frac{KL^3}{12EI}, \quad \hat{e}_0 = \frac{e_0}{L}, \quad \omega_0 = \sqrt{\frac{12EI}{ML^3}}, \quad (6)$$

$$M\ddot{x} + c\dot{x} + 12\frac{EI}{L^3}x + \frac{432EI}{35L^5}x + G(x) = F_0\cos(\omega t), \quad (7)$$

$$\begin{cases} \dot{y} = z, \\ z = \beta\cos(\Omega\tau) - 2\xi z - y - \frac{36}{35}y^3 - g(y). \end{cases} \quad (9)$$

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