Erratum to: Measurement of badminton racket deflection during a stroke

Maxine Kwan · Ching-Lung Cheng ·
Wen-Tzu Tang · John Rasmussen

Published online: 10 June 2010
© International Sports Engineering Association 2010

Erratum to: Sports Eng (2010) 12:143–153
DOI 10.1007/s12283-010-0040-5

Due to a processing error, the presentation of Eqs. 6–8, 14, and 16 was incorrect. The correct versions are given below:

$$W_n(x) = \sin \beta_n x - \sinh \beta_n x - \alpha_n (\cos \beta_n x - \cosh \beta_n x) \quad (6)$$

$$\cos \beta_n L \cdot \cosh \beta_n L = -1 \quad (7)$$

$$\alpha_n = \frac{\sin \beta_n L + \sinh \beta_n L}{\cos \beta_n L + \cosh \beta_n L} \quad (8)$$

$$W_n''(x) = -\beta_n^2 (\sin \beta_n x + \sinh \beta_n x - \alpha_n (\cos \beta_n x + \cosh \beta_n x)) \quad (14)$$

$$\begin{aligned} \varepsilon(x_{sg}, t) &= -RW_n''(x_{sg}) \frac{2(\alpha_n + \beta_n h)}{b\omega_n \beta_n^2} \int_0^t \alpha_e(\tau) \sin \omega_n(t - \tau) d\tau \\ &= -RW_n''(x_{sg})(\alpha_e * g)(t) \end{aligned} \quad (16)$$

The online version of the original article can be found under doi:[10.1007/s12283-010-0040-5](https://doi.org/10.1007/s12283-010-0040-5).

M. Kwan (✉) · J. Rasmussen
Department of Mechanical Engineering, Aalborg University,
Pontoppidanstraede 101, 9220 Aalborg East, Denmark
e-mail: mak@me.aau.dk
URL: <http://me.aau.dk>

C.-L. Cheng · W.-T. Tang
Graduate Institute of Coaching Science,
National Taiwan Sport University, 250 Wen Hua 1st Rd,
Kweishan, Taoyuan 333, Taiwan, ROC