Correction


Chiara Bedon * and Marco Fasan

Department of Engineering and Architecture, University of Trieste, 34127 Trieste, Italy; mfasan@units.it
* Correspondence: chiara.bedon@dia.units.it; Tel.: +39-040-558-3837

Received: 16 August 2019; Accepted: 26 January 2020; Published: 4 February 2020

We, the authors, wish to make the following corrections to our paper [1].

In Section 2.2 of the research paper Appl. Sci. 2019, 9, 1936; https://doi.org/10.3390/app9091936, the authors recall the fundamental aspects of structural dynamics for pedestrian systems, with special attention given to the analysis of Human Structure Interaction (HSI) effects.

In doing so, however, a misspelled equation of motion was described in Equation (1), with the expression:

\[ M\ddot{x}(t) + C(t) + Kx(t) = P(t) \] (1)

where \( M, C, \) and \( K \) represent the modal mass, damping, and stiffness matrices, respectively, \( P(t) \) is the imposed external (periodic) force reproducing the motion of occupants, and \( x(t) \) is the vertical displacement vector.

The correct, well-known equation of motion—that replaces the original Equation (1)—is the following:

\[ M\ddot{x}(t) + C\dot{x}(t) + Kx(t) = P(t) \] (1)

The authors apologize for the mistake.

Reference


© 2020 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (http://creativecommons.org/licenses/by/4.0/).