Correction to: Vibration Suppression and Defect Detection Schemes in 1D Linear Spring-Mass Systems

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The original version of Eqs. (37) and (38) unfortunately contained some typographical errors. The correct equations, as shown below, were the ones used in the relevant simulations in the paper. The corrected Eqs. (37) und (38) are as follows:

Equation (37) should be

$$\begin{cases} \tilde{x}_1(s) = -R_{11} - R_{1j_1}(1 - m_1)s^2\tilde{x}_{j_1}(s) - R_{1j_2}(1 - m_2)s^2\tilde{x}_{j_2}(s) \\ \tilde{x}_{j_1}(s) = \frac{-R_{1j_1} - R_{j_1j_2}(1 - m_2)s^2\tilde{x}_{j_2}(s)}{1 + R_{j_1j_1}(1 - m_1)s^2} \\ \tilde{x}_{j_2}(s) = \frac{-R_{1j_2} - R_{j_1j_2}(1 - m_1)s^2\tilde{x}_{j_1}(s)}{1 + R_{j_2j_2}(1 - m_2)s^2} \end{cases},$$

and Eq. (38) should be

$$\tilde{x}_1(s) = \frac{-R_{11} + s^2((1 - m_1)R_{1j_1}^2 - (m_2 - 1)R_{1j_2}^2 + (m_1 - 1)R_{11}R_{j_1j_1} + (m_2 - 1)R_{11}R_{j_2j_2}) + s^4(m_1 - 1)(m_2 - 1)(R_{1j_2}^2R_{j_1j_1} - 2R_{1j_1}R_{1j_2}R_{j_1j_2} + R_{11}R_{j_1j_2}^2 + R_{1j_1}^2R_{j_2j_2} - R_{11}R_{j_1j_1}R_{j_2j_2})}{1 + s^2((1 - m_1)R_{j_1j_1} + (1 - m_2)R_{j_2j_2} + s^2(m_1 - 1)(m_2 - 1)(R_{j_1j_1}R_{j_2j_2} - R_{j_1j_2}^2))}.$$

The original article can be found online at <https://doi.org/10.1007/s42417-019-00104-5>.

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