ERRATUM

Erratum to: Bifurcation analysis of a piecewise-linear impact oscillator with drift

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The following errors were introduced and/or left unaddressed by Springer during production of the original publication:

In the caption to Fig. 1, concerning part b, the term 'visco elastic' should have read 'visco-elastic'.

Section 3.1 (Basic framework), 3rd sentence: A superscript 'T' should have indicated transpose operation in

"Denote by $u := (p, y, q, s)^{T} \in W_g \times \mathbb{S}^1$ the state variables of the system..."

In the same section, the jump function given for the *No contact* 2π (NC-2π) segment should have read as follows:

$$g_{2\pi}(u) := \begin{pmatrix} p \\ y \\ q \\ s - 2\pi \end{pmatrix}.$$

In addition, Fig. 6 was published without proper axis labels. The correct Fig. 6 is printed below.

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Fig. 6 Bifurcation diagram of the drifting oscillator with respect to *a*. The *red curve* represents the continuation of the period-1 motion shown in Fig. 2, while the diagram in *blue* corresponds to the bifurcation picture generated via direct numerical integration. The diagrams were computed for the parameter values $b = 0.15$, $\omega = 0.1$, $\xi = 0.05$, $g = 0.02$ and $\varphi_0 = 0$. (Color figure online)