

Erratum: “Measurement of local internal friction in metallic glasses” [J. Appl. Phys. 115, 134307 (2014)]

Cite as: J. Appl. Phys. 115, 169902 (2014); <https://doi.org/10.1063/1.4874264>

Submitted: 11 April 2014 • Accepted: 18 April 2014 • Published Online: 30 April 2014

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Erratum: “Measurement of local internal friction in metallic glasses” [J. Appl. Phys. **115**, 134307 (2014)]

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(Received 11 April 2014; accepted 18 April 2014; published online 30 April 2014)

[<http://dx.doi.org/10.1063/1.4874264>]

In the abstract,¹ line 4, it should: “...by the AFM cantilever from the photodiode signal...”
Equations (1a) and (1b) should read as

$$k_r = 2a_c \times M', \quad (1a)$$

$$k_i = 2a_c \times M''. \quad (1b)$$

Equation (5) should read as

$$EI \frac{\partial^4 y}{\partial x^4} + \eta_{air} \frac{\partial y}{\partial t} + \rho A \frac{\partial^2 y}{\partial t^2} = P \delta(x - x_0) = \left(k_r y + \gamma \frac{\partial y}{\partial t} \right) \delta(x - x_0), \quad (5)$$

where I is the area moment of inertia.

On page 4, the last sentence in the caption of Fig. 3 should read: “The contact-resonance frequency was 1.998 MHz.”

On page 5, left column, line 8 from top, it should read: “...experiments, we obtained the same value for Q_{loc}^{-1} for a-PdCuSi...”

On page 5, line 6 in the Discussion section, it should read: “...with the centered value of $Q_{loc}^{-1} = 2.2 \times 10^{-2}$, we measured here (Fig. 2), at a quite...”

On page 5, lines 11 and 12 in the Discussion section, it should read: “...from $Q^{-1} = 1 \times 10^{-3}$ (a-PdCuNiP) to $Q^{-1} = 1 \times 10^{-2}$ (a-ZrNiCuAlPd)...”

On page 6, Eq. (A1) should read as

$$F = - \left[3\pi b \mu_{air} + (3/4)\pi b^2 (2\rho_{air} \mu_{air} \omega)^{0.5} \right] \times \partial y / \partial t. \quad (A1)$$

On page 7, Ref. 25 should read as M. Fukuhara, W. Zhang, D. V. Louzguine-Luzgin, A. Inoue, and N. Nishiyama, Appl. Phys. Lett. **90**, 131902 (2007).

¹H. Wagner, M. Büchenschütz-Göbeler, Y. Luo, A. Kumar, W. Arnold, and K. Samwer, “Measurement of local internal friction in metallic glasses,” J. Appl. Phys. **115**, 134307 (2014).

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