Erratum: Surface acoustic wave driven ferromagnetic resonance in nickel thin films: Theory and experiment [Phys. Rev. B **86, 134415 (2012)]**

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There are errors in some equations of this paper. The paper text and conclusions remain valid, but the following corrections should be made:

Equation (18) should read [1,2]

$$\sigma_{ik} = \frac{1 + \delta_{ik}}{2} \frac{\partial W}{\partial \varepsilon_{ik}}, \quad (18)$$

with the Kronecker delta δ_{ik} . With this notation, unnecessary factors of 2 in Eqs. (20) and (23) of our original article are avoided. Consequently, the second and third lines of Eq. (20) should read

$$\begin{aligned} \rho \omega^2 u_y &= c_{44} k^2 u_y - i b_2 k \sin \theta_0 [2 \sin \phi_0 \cos \phi_0 \cos \theta_0 M_1 + \cos 2\phi_0 M_2], \\ \rho \omega^2 u_z &= c_{44} k^2 u_z + i b_2 k [\sin \phi_0 \cos \theta_0 M_2 - \cos 2\theta_0 \cos \phi_0 M_1], \end{aligned} \quad (20)$$

and Eq. (23) should read

$$\left[\omega^2 - v_t^2 \left(1 - \frac{F b_2^2}{v_t^2 \mu_0 \rho} [\chi_{11} w_5^2 + \chi_{22} w_6^2 - (\chi_{12} + \chi_{21}) w_5 w_6] \right) k^2 \right] u_z = 0. \quad (23)$$

In Eq. (A3), the sign before D_s is wrong. Equation (A3) should read

$$G_3 = \partial_{m_3} G|_{m=m_0} = -\mu_0 H_3 + 2B_d \cos^2 \theta_0 + 2B_u u_3^2 - D_s k^2. \quad (A3)$$

Equation (A14) misses a factor of 2 and should read

$$\mu_0 \begin{pmatrix} h_1 \\ h_2 \end{pmatrix} = \begin{pmatrix} -2b_2 \sin \theta_0 \cos \theta_0 \varepsilon_{xy} \\ 0 \end{pmatrix}. \quad (A14)$$

FIG. 1. Corrected Fig. 4.

The missing factor of 2 in Eq. (A14) resulted in a contour in Fig. 4(h) that is too small by a factor of 2. Figure 1 contains a corrected version of Fig. 4. The figure caption, the paper text, all further figures, and all conclusions remain unaffected.

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