Errata

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Publication II

The unit for mass density in Table 1 is erroneous. The correct mass density is 7750 kg/m³.

Publication III

The equation for $H(y, z, t)$ in (2) is erroneous. The correct equation should be:

$$H(y, z, t) = H_s(t) + a(t)(y^2 - (w/2)^2)(z^2 - (d/2)^2)$$

Publication IV

On Page 1, Section 1, in the first sentence of the third paragraph, “implementing them” expression should change to “implementing the magnetization properties”.

On Page 3, the values in the y-axes of Figure 2(a) are erroneous. $k_{hy}(r)$ and $k_{dy}(r)$ values should be scaled by $2 \times 10^{-2}$ and $4 \times 10^{-4}$, respectively.

On Page 4, Section 3.2., in the paragraph following (8), “$m = n_{pol}(n_{pol} + 1)/2$” expression should change to “$m = (n_{pol} + 1)(n_{pol} + 2)/2$”.

On Page 6, in the first sentence of the second paragraph after (15), “i.e., $n_{int} = 2$ for $n_{quad} = 2$” expression should change to “i.e., $n_{int} = 3$ for $n_{quad} = 2$”.
On Page 7, in Figure 5, the values in the legend are erroneous. \( \tau/L = 1/10^{-1} \), \( \tau/L = 1/(2.5 \times 10^{-1}) \), \( \tau/L = 1/(5 \times 10^{-1}) \), and \( \tau/L = 1/10^{-2} \) values should change to \( \tau/L = 1/10^{1} \), \( \tau/L = 1/(2.5 \times 10^{1}) \), \( \tau/L = 1/(5 \times 10^{1}) \), and \( \tau/L = 1/10^{2} \), respectively. This change should take place also in the text, when these cases are referred to.

On Page 7, in Figure 5(b), in the rightmost graph, the expression “Increasing decay rate” should change to “Decreasing decay constant”.

Throughout the article, “as decay rate \( \tau/L \) increases” expression should change to “as decay constant \( \tau/L \) decreases”. Similarly, “as decay rate \( \tau/L \) decreases” expression should change to “as decay constant \( \tau/L \) increases”.

Throughout the article “decay rate” expression should change to “decay constant”.

Page 61

On Page 61 of the thesis, the equation for \( H(r, z, t) \) in (3.17) is erroneous. The correct equation should be:

\[
H(r, z, t) = T(r, z, t) + \nabla \Omega(\varphi, t) \frac{H_s(t)}{H_s(t) + \phi}
\]

Page 63

On Page 63 of the thesis, the equation for \( H(y, z, t) \) in (3.25) is erroneous. The correct equation should be:

\[
H(y, z, t) = H_s(t) + \lambda(t)(y^2 - (w/2)^2)(z^2 - (d/2)^2)
\]

Page 66

On Page 66 of the thesis, in the paragraph before (3.36), “\( m = n_{pol}(n_{pol} + 1)/2 \)” expression should change to “\( m = (n_{pol} + 1)(n_{pol} + 2)/2 \)”.

Page 109

On Page 109 of the thesis, within the publication errata, under the correction for Publication IV, “\( x \)-axes” expression should change to “\( y \)-axes”.