

Erratum

Erratum to “A Simple Phenomenological Model for Magnetic Shape Memory Actuators”

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Equations (9) and (10) in [1, p. 3] should have been written as follows:

$$\varepsilon_L(B^*, \sigma) = \frac{1}{4}E \cdot \{1 - \tanh[M_1(\sigma - \sigma_1)]\} \\ \cdot \{1 + \tanh[M_3(B^* - n_1 - M_2\sigma)]\} \quad (9)$$

$$\varepsilon_U(B^*, \sigma) = \frac{1}{2}E \cdot \{1 - \tanh[M_1(\sigma - \sigma_2)]\} \\ \cdot \left(1 - \frac{1}{4} \cdot \{1 + \tanh[M_4(\sigma - \sigma_3)]\}\right. \\ \left.\cdot \{1 - \tanh[M_3(B^* - n_2 - M_2\sigma)]\}\right) \quad (10)$$

Accordingly, the two parameters M_2 and n_1 have the units shown in Table I.

TABLE I
CORRECTED IDENTIFIED PARAMETERS OF THE MSM SAMPLE
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Parameter	Value	Unit
M_2	0.25e-6	T/Pa
n_1	0.32	T

REFERENCES

- [1] J. Ziske, F. Ehle, H. Neubert, A. D. Price, and J. Lienig, “A simple phenomenological model for magnetic shape memory actuators,” *IEEE Trans. Magn.*, vol. 51, no. 1, Jan. 2015, Art. ID 4002608.

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