



Erratum: Modeling of the magnetomechanical effect: Application of the Rayleigh law to the stress domain [J. Appl. Phys. 93, 8480 (2003)]

L. Li and D. C. Jiles

Citation: *Journal of Applied Physics* **95**, 5934 (2004); doi: 10.1063/1.1688987

View online: <http://dx.doi.org/10.1063/1.1688987>

View Table of Contents: <http://scitation.aip.org/content/aip/journal/jap/95/10?ver=pdfcov>

Published by the [AIP Publishing](#)

Articles you may be interested in

Publisher's Note: "Effects of magnetomechanical vibrations and bending stresses on three-phase three-leg transformers with amorphous cores" [J. Appl. Phys. 111, 07E730 (2012)]

J. Appl. Phys. **114**, 059901 (2013); 10.1063/1.4816341

Modeling of the magnetomechanical effect: Application of the Rayleigh law to the stress domain

J. Appl. Phys. **93**, 8480 (2003); 10.1063/1.1540059

A New Model Equation for Interpreting the Magnetomechanical Effect Using a Generalization of the Rayleigh Law

AIP Conf. Proc. **657**, 1539 (2003); 10.1063/1.1570313

Response to "Comment on 'The analysis of piezoelectric/piezomagnetic composite materials containing ellipsoidal inclusions'" [J. Appl. Phys. 82, 5268 (1997)]

J. Appl. Phys. **82**, 5270 (1997); 10.1063/1.366544

Comment on "The analysis of piezoelectric/piezomagnetic composite materials containing ellipsoidal inclusions" [J. Appl. Phys. 81, 1378 (1997)]

J. Appl. Phys. **82**, 5268 (1997); 10.1063/1.366401

Advances in Live Single-Cell Thermal Imaging and Manipulation International Symposium, November 10-12, 2014

biophysics; soft condensed matter/soft mesoscopics; IR/terahertz spectroscopy
single-molecule optoelectronics/nanoplasmonics; photonics; living matter physics

Application deadline: August 24



OIST

OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY GRADUATE UNIVERSITY
沖縄科学技術大学院大学



ERRATA

Erratum: Modeling of the magnetomechanical effect: Application of the Rayleigh law to the stress domain [J. Appl. Phys. 93, 8480 (2003)]

L. Li

Department of Electrical and Computer Engineering, Iowa State University, Ames, Iowa 50011

D. C. Jiles^{a)}

*Department of Electrical and Computer Engineering, Iowa State University, Ames, Iowa 50011
and Ames Laboratory, U.S. Department of Energy and Department of Materials Science and Engineering,
Iowa State University, Ames, Iowa 50011*

[DOI: 10.1063/1.1688987]

Equation (17) was printed with an error. The second term on the right hand side contains a repeated multiplicative factor which should not be present. The correct Eq. (17) is as follows:

$$\frac{dM}{d\sigma} = \frac{1}{\varepsilon^2} (1-c)(M_{an} - M_{irr})(\sigma \pm \eta E) + c \frac{dM_{an}}{d\sigma}. \quad (17)$$

^{a)}Electronic mail: gauss@ameslab.gov.