Erratum: “A procedure to determine the optimum imaging parameters for atomic/molecular resolution frequency modulation atomic force microscopy” [Rev. Sci. Instrum. 81, 093701 (2010)]

Yoshihiro Hosokawa, Kei Kobayashi, Noriaki Oyabu, Kazumi Matsushige, and Hirofumi Yamada

Citation: Rev. Sci. Instrum. 82, 019901 (2011); doi: 10.1063/1.3527911
View online: http://dx.doi.org/10.1063/1.3527911
View Table of Contents: http://rsi.aip.org/resource/1/RSINAK/v82/i1
Published by the American Institute of Physics.

Related Articles
Stochastic simulation of tip-sample interactions in atomic force microscopy

Improving the signal-to-noise ratio of high-speed contact mode atomic force microscopy

Contrast distortion induced by modulation voltage in scanning capacitance microscopy

Internal resonance based sensing in non-contact atomic force microscopy

Joint strength measurements of individual fiber-fiber bonds: An atomic force microscopy based method

Additional information on Rev. Sci. Instrum.
Journal Homepage: http://rsi.aip.org
Journal Information: http://rsi.aip.org/about/about_the_journal
Top downloads: http://rsi.aip.org/features/most_downloaded
Information for Authors: http://rsi.aip.org/authors

ADVERTISEMENT

Special Topic Section:
PHYSICS OF CANCER
Why cancer? Why physics? View Articles Now
Erratum: “A procedure to determine the optimum imaging parameters for atomic/molecular resolution frequency modulation atomic force microscopy” [Rev. Sci. Instrum. 81, 093701 (2010)]

Yoshihiro Hosokawa,1 Kei Kobayashi,2 Noriaki Oyabu,1 Kazumi Matsushige,1 and Hirofumi Yamada1,a)

1Department of Electronic Science and Engineering, Kyoto University, Katsura, Kyoto 615-8510, Japan
2Office of Society-Academia Collaboration for Innovation, Kyoto University, Katsura, Kyoto 615-8520, Japan

(Received 16 November 2010; accepted 22 November 2010; published online 27 January 2011)
[doi:10.1063/1.3527911]

Equation (2) in the original article1 was incorrect. The correct equation should read

\[ \delta f (k, A) = \sqrt{\frac{f_0 k_B T B}{\pi k Q A^2} + \frac{2 n_s^2 B^3}{3 A^2}}. \]  

(2)

This correction does not affect any other contents of the original article.


a)Electronic mail: h-yamada@kuee.kyoto-u.ac.jp.