This article was downloaded by: [Ales Iglic]
On: 14 May 2012, At: 14:01
Publisher: Taylor & Francis
Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK

Computer Methods in Biomechanics and Biomedical Engineering

Publication details, including instructions for authors and subscription information:
http://www.tandfonline.com/loi/gcmb20

Corrigendum: Spatial variation of permittivity of an electrolyte solution in contact with a charged metal surface: a mini review

E. Gongadze [a], U. van Rienen [b], V. Kralj-Iglič [c] & A. Iglič [a]

[a] Laboratory of Biophysics, Faculty of Electrical Engineering, University of Ljubljana, Ljubljana, Slovenia

[b] Faculty of Computer Science and Electrical Engineering, University of Rostock, Rostock, Germany

[c] Laboratory of Clinical Biophysics, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia

Available online: 09 May 2012

To cite this article: E. Gongadze, U. van Rienen, V. Kralj-Iglič & A. Iglič (2012): Corrigendum: Spatial variation of permittivity of an electrolyte solution in contact with a charged metal surface: a mini review, Computer Methods in Biomechanics and Biomedical Engineering, DOI:10.1080/10255842.2012.678684

To link to this article: http://dx.doi.org/10.1080/10255842.2012.678684

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: http://www.tandfonline.com/page/terms-and-conditions

This article may be used for research, teaching, and private study purposes. Any substantial or systematic reproduction, redistribution, reselling, loan, sub-licensing, systematic supply, or distribution in any form to anyone is expressly forbidden.

The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae, and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand, or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

Computer Methods in Biomechanics and Biomedical Engineering
iFirst article, 2012, 1

Taylor & Francis
Taylor & Francis Group

CORRIGENDUM

Spatial variation of permittivity of an electrolyte solution in contact with a charged metal surface: a mini review

E. Gongadze[a], U. van Rienen[b], V. Kralj-Iglič[c] and A. Iglič[a]*

[a]*Laboratory of Biophysics, Faculty of Electrical Engineering, University of Ljubljana, Ljubljana, Slovenia;* [b]*Faculty of Computer Science and Electrical Engineering, University of Rostock, Rostock, Germany;* [c]*Laboratory of Clinical Biophysics, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia*

Downloaded by [Ales Iglic] at 14:01 14 May 2012

After our article (DOI: 10.1080/10255842.2011.624769) was published online, we found some additional typographical errors in Equations (104), (108), (109) and (110) which should be correctly read as follows:

$$\gamma = \frac{3}{2}\left(\frac{2+n^2}{3}\right),\ g\left(\frac{2+n^2}{3}\right)^2 \to g.$$

$$n_-(x) = n_s \frac{n_0 e^{e_0\phi\beta}}{n_0 e^{e_0\phi\beta} + n_0 e^{-e_0\phi\beta} + n_{0w}\left\langle e^{-\gamma p_o E\beta\cos(\omega)+\beta g p_0^2}\right\rangle_\omega},$$

$$n_w(x) = n_s \frac{n_{0w}\left\langle e^{-\gamma p_o E\beta\cos(\omega)+\beta g p_0^2}\right\rangle_\omega}{n_0 e^{e_0\phi\beta} + n_0 e^{-e_0\phi\beta} + n_{0w}\left\langle e^{-\gamma p_o E\beta\cos(\omega)+\beta g p_0^2}\right\rangle_\omega},$$

$$\left\langle e^{-\gamma p_o E\beta\cos(\omega)+\beta g p_0^2}\right\rangle_\omega = \frac{2\pi\int_\pi^0 d(\cos\omega)\ e^{-\gamma p_o E\beta\cos(\omega)+\beta g p_0^2}}{4\pi} = \frac{\sinh(\gamma p_0 E\beta)}{\gamma p_0 E\beta}.$$

*Corresponding author. Email: ales.iglic@fe.uni-lj.si

ISSN 1025-5842 print/ISSN 1476-8259 online
© 2012 Taylor & Francis
http://dx.doi.org/10.1080/10255842.2012.678684
http://www.tandfonline.com