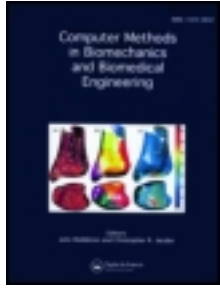


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Corrigendum: Spatial variation of permittivity of an electrolyte solution in contact with a charged metal surface: a mini review

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CORRIGENDUM

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

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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:

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

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

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

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

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