Erratum to: Digital Simulation in Electrochemistry

Fourth Edition

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Chapter 13: Migrational Effects

On page 365, the term “Electicität” in reference [6] was replaced with “Electricität”.
On page 366, the author name “BLorenz” in reference [34] was replaced with
“Lorentz”.

Appendix B : Transforming the Diffusion Equation into Curvilinear Coordinates

On page 453 there were errors in the expressions (B.40) and (B.41).

$$\frac{\partial Z}{\partial \Gamma} = \frac{\partial Z}{\partial \Gamma} \frac{1}{\sin \theta \cosh \Gamma} \quad (\text{B.40})$$

Corrected as

$$\frac{\partial C}{\partial Z} = \frac{\partial C}{\partial \Gamma} \frac{1}{\sin \theta \cosh \Gamma} \quad (\text{B.40})$$

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E1

$$I = \frac{\pi}{2} \int_0^{\pi/2} \cos \theta \frac{\partial Z}{\partial \Gamma} \bigg|_{\Gamma=0} d\theta. \quad (\text{B.41})$$

Corrected as

$$I = \frac{\pi}{2} \int_0^{\pi/2} \cos \theta \frac{\partial C}{\partial \Gamma} \bigg|_{\Gamma=0} d\theta. \quad (\text{B.41})$$