

A. K. T. Assis and J. A. Hernandez, The Electric Force of a Current – Weber and the Surface Charges of Resistive Conductors Carrying Steady Currents (Apeiron, Montreal, 2007), ISBN: 978-0-9732911-5-5

Available online at:

<http://www.ifi.unicamp.br/~assis/The-Electric-Force-of-a-Current.pdf>

### Errata

We thank U. Ausserlechner for one of these corrections.

- Page 109, Eq. (8.20) should be replaced by:

$$\frac{F_M}{F_E} \approx \frac{\mu_0/\epsilon_0}{2\pi^2 R^2} \ln^2 \frac{b}{a}$$

- Page 166, the first line of Eq. (13.6) should read:

$$\nabla^2 \phi = \frac{(\cosh \eta - \cos \chi)^3}{a^2 \sinh \eta} \left[ \frac{\partial}{\partial \eta} \left( \frac{\sinh \eta}{\cosh \eta - \cos \chi} \frac{\partial \phi}{\partial \eta} \right) \right]$$

- Page 206, the fourth line should read:

Battery]. When we are close to  $\psi = 0$  rad or to  $\psi = 2\pi$  rad, the magnitude