

Errata of the paper by P. Graneau and A. K. T. Assis, “Kirchhoff on the motion of electricity in conductors”, *Apeiron*, Vol. 19, pp. 19-25 (1994), available at <https://www.ifi.unicamp.br/~assis>

- Page 20, the last equation should read:

$$-\frac{8}{c^2} \frac{\partial U}{\partial t}, \quad -\frac{8}{c^2} \frac{\partial V}{\partial t}, \quad -\frac{8}{c^2} \frac{\partial W}{\partial t},$$

- Page 21, the first equation on the second column should read:

$$\frac{\partial U}{\partial x} = - \int dx' dy' dz' \frac{\partial^{\frac{1}{x}}}{\partial x} u' - \int dx' dy' dz' \frac{\partial^{\frac{1}{x}}}{\partial x^2} [u'(x - x') + v'(y - y') + w'(z - z')].$$

- Page 22, equation (12) should appear as:

$$\sigma = \frac{1}{2} \frac{\partial e}{\partial t}. \quad (12)$$

- Page 22, the fourth equation in the second column should read:

$$\int_{-\frac{l}{2}-x}^{\frac{l}{2}-x} \frac{d\xi e'}{\sqrt{\beta^2 + \xi^2}},$$

- Page 23, the third equation on the first column should read:

$$\alpha \int \frac{dx' d\varphi'}{r} e' = 4\pi\alpha e \ln \frac{l}{\alpha}.$$

- Page 24, the equation for  $C_2$  and  $C'_2$  should read:

$$C_2 = \frac{-\lambda_1 E_n + 2ni_n}{\lambda_2 - \lambda_1},$$

$$C'_2 = \frac{-\lambda_1 E'_n + 2ni'_n}{\lambda_2 - \lambda_1}.$$

- Page 24, below the last line of the second column we should have:

$$\lambda_2 = \frac{c^2 r}{16\gamma l}, \quad \lambda_1 = \frac{8\gamma l}{r} n^2.$$

- Page 25, the seventh line in the first column should read:

$$C_2 = -\frac{\lambda_1}{\lambda_2} E_n + \frac{2n}{\lambda_2} i_n, \quad C'_2 = -\frac{\lambda_1}{\lambda_2} E'_n + \frac{2n}{\lambda_2} i'_n.$$

- Page 25, the second line in the second paragraph of the second column should read:

tance  $r$  in equations (16) and (17), it is easily proved  $a$

- Page 25, in the last paragraph there should be a footnote after Thomson's name with the following information:

*Phil. Mag. Ser. IV, Vol. II, p. 157.*