

Errata of the book by A. K. T. Assis,
Relational Mechanics and Implementation of Mach's Principle with Weber's Gravitational Force
(Apeiron, Montreal, 2014), 542 pages, ISBN: 9780992045630.
Book available in PDF format at www.ifi.unicamp.br/~assis

I thank Dayane Bancoff and Fabio Menezes de Souza Lima for some of these corrections.

- On page 20, the 8th line of Section 1.7 should read:
constant velocity. That is, whenever $\sum_{\substack{p=1 \\ p \neq k}}^N \vec{F}_{pk} = \vec{0}$, it can be concluded from equation (1.5) that:

- On page 34, equation (2.15) should read:

$$\vec{F}_{21} = \frac{3\mu_o}{4\pi r^5} \left[(\vec{m}_1 \cdot \vec{r})\vec{m}_2 + (\vec{m}_2 \cdot \vec{r})\vec{m}_1 + (\vec{m}_1 \cdot \vec{m}_2)\vec{r} - \frac{5(\vec{m}_1 \cdot \vec{r})(\vec{m}_2 \cdot \vec{r})\vec{r}}{r^2} \right] = -\vec{F}_{12} , \quad (2.15)$$

- On page 39, the first line of the paragraph before equation (2.23) should read:
The constant c which appears in equation (2.22) is the ratio of electromagnetic and electrostatic units of

- On page 151, equation (9.55) should read:

$$\frac{z_1}{z_2} = \frac{\rho_{i1}/\rho_{g1}}{\rho_{i2}/\rho_{g2}} \left(\frac{\omega_1}{\omega_2} \right)^2 . \quad (9.55)$$

- On page 364, the fourth line below equation (18.66) should read:
of distant galaxies, has the value $a_{galaxy \text{ centripetal}} \approx 1.6 \times 10^{-10} \text{ m/s}^2$, equation (4.44) and figure 4.5.
The

- On page 477, the first line below equation (25.11) should read:
The constant c is the ratio of electromagnetic and electrostatic units of charge. Its value was first

- On page 500, the 7th line should read:
replacements in equations (B.1) and (B.2): $H_e q_1 q_2$ instead of $-H_g m_{g1} m_{g2}$, and $1/c^2$ instead of ξ/c^2 .