ERRATA

Erratum to: “Model of the Static Universe within GR” [JETP 112(1), 60 (2011)]

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In the article, basic equations (1a)–(1c) should be read as

$$\kappa p_r = -\frac{k}{a^2} - \frac{\dot{a}^2}{a^2 b} - \frac{c^2(1-kR^2)\dot{a}^2}{a^4 b^2 R'^2} - \frac{2c^2(1-kR^2)\dot{a}\dot{b}}{a^3 b^3 R'^2} + \frac{2c(1-kR^2)\dot{a}}{a^3 b R R'} - \frac{c(1-kR^2)\dot{b}}{a^2 b^2 R R'} + \frac{2(1-kR^2)\dot{c}}{a^3 b R R'} - \frac{2\ddot{a}}{ab} + \frac{2c^2(1-kR^2)\ddot{a}}{a^3 b^2 R'^2} + \frac{2c(1-kR^2)\dot{a}\dot{c}}{a^3 b^2 R'^2}, \quad (1a)$$

$$\begin{aligned} \kappa p_\perp = & -\frac{k}{a^2} - \frac{\dot{a}^2}{a^2 b} + \frac{\dot{a}\dot{b}}{ab} - \frac{c^2\dot{a}^2(1-kR^2)}{a^4 b^2 R'^2} - \frac{c^2\dot{a}\dot{b}(1-kR^2)}{a^4 b^2 R'^2} - \frac{5c^2\dot{b}^2(1-kR^2)}{4a^2 b^4 R'^2} \\ & - \frac{2\ddot{a}}{ab} + \frac{c\dot{a}(1-kR^2)}{a^3 b R R'} - \frac{c\dot{b}(1-kR^2)}{2a^2 b^2 R R'} + \frac{c^2\ddot{b}(1-kR^2)}{2a^2 b^3 R'^2} - \frac{c\dot{a}R''(1-kR^2)}{a^3 b R'^3} + \frac{c\dot{b}R''(1-kR^2)}{2a^2 b^2 R'^3} + \frac{c'\dot{a}(1-kR^2)}{a^3 b R'^2} \\ & - \frac{c'\dot{b}(1-kR^2)}{2a^2 b^2 R'^2} - \frac{c\dot{a}\dot{c}(1-kR^2)}{a^3 b^2 R'^2} - \frac{5c\dot{b}\dot{c}(1-kR^2)}{2a^2 b^3 R'^2} + \frac{\dot{c}(1-kR^2)}{a^2 b R R'} - \frac{\dot{c}R''(1-kR^2)}{a^2 b R'^3} \\ & + \frac{\dot{c}^2(1-kR^2)}{a^2 b^2 R'^2} + \frac{\dot{c}'(1-kR^2)}{a^2 b R'^2} + \frac{c\ddot{c}(1-kR^2)}{a^2 b^2 R'^2}, \end{aligned} \quad (1b)$$

$$\kappa \sigma = c^2 \left(\frac{2\dot{a}R''(1-kR^2)}{a^3 b^2 R'^3} - \frac{2\dot{a}(1-kR^2)}{a^3 b^2 R R'} - \frac{\dot{b}(1-kR^2)}{a^2 b^3 R R'} \right) + c \left(\frac{2k}{a^2 b} - \frac{2\dot{a}c'(1-kR^2)}{a^3 b^2 R'^2} + \frac{2\dot{c}(1-kR^2)}{a^2 b^2 R R'} \right). \quad (1c)$$

This necessitates corrections in the results taking into account Eqs. (1) in the above form.

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