Errata: Dragging effect on the inertial frame and the contribution of matter to the gravitational "constant" in a closed cosmological model of the Brans-Dicke theory

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The following terms should be added to the right-hand side of the following equations, respectively:

to Eqs. (4a) and (18a), \( a \dot{\phi}/\phi \);

to Eq. (18c), \( (1/2c)^2 \sin^2 \chi \sin^2 \theta \dot{\phi}/\phi \theta \); \( \omega \);

to Eq. (18d), \( (1/2c)^2 \sin^2 \chi \sin^2 \theta \dot{\phi}/\phi \theta \). \( \omega \).

The third term in the large square brackets of Eq. (18e) should read \( -(2\omega/c)a \dot{\phi}/\phi \). The time dependence of the angular velocity of the inertial-frame dragging and the shell \( a^{-3}(t) \) should wholly be revised to \( a^{-3}(t) \).

In Eq. (1b) a minus sign should be added to the right-hand side. The term \( (\eta/3)(\dot{\phi}/\phi)^2 \) of Eq. (4b) should read \( (\eta/2)(\dot{\phi}/\phi)^2 \). In Eq. (17) cot\( \phi \) should read cot\( \theta \). In Eq. (25) \( F(\alpha, \beta, \gamma + \beta - \gamma + 1; 1 - z) \) should read \( F(\alpha, \beta, \alpha + \beta - \gamma + 1; 1 - z) \). In Eq. (43) \( \chi_0 \) and \( \chi_1 \) should be interchanged.

Erratum: Analytic properties of the vertex functions in gauge theories. II

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Second line of Eq. (2.9d): Replace \( +b_{231} \) by \( -b_{321} \).

First line of Eq. (3.3d): Replace \( +\frac{a}{2} \) by \( -\frac{a}{2} \), and \( -20P_3^2P_1 \cdot P_3/3\Delta^2 \) by \( 20P_3^2P_1 \cdot P_3/3\Delta^2 \). Delete the term \( 16P_3^2P_3^2/\Delta^2 \).

On page 2554, Sec. III, in the invariant functions of the ghost-ghost-gluon vertex: Replace \( g_s \) by \( g_s^2 \) in the third and fourth equations. In the fourth equation, replace \( -b(P_1, P_2, P_3) \) by \( +b(P_1, P_2, P_3) \). In the fifth equation, replace \( I_0 \) by \( I_0/2 \), and \( P_3^4 \ln(P_1^2/P_3^2) \) by \( P_3^4 \ln(P_1^2/P_3^2) \).

In Eq. (4.1a): Replace \( -\frac{a}{4}(1/P_3^2) \) by \( -\frac{a}{4}(1/P_3^2) \).