Erratum: Cosmological models in energy-momentum-squared gravity [Phys. Rev. D **96**, 123517 (2017)]

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The right-hand side of Eq. (24) is corrected by inserting a missing factor of $(1 + 3w^2)^{n-1}$ into the second term of the numerator and a missing factor of n into the second term of the denominator. Corrected factors are inserted into Eqs. (25)–(28) and (30)–(32) as a consequence. The discussion and conclusions remain unchanged.

Equation (24) should read

$$\dot{\rho} = -3 \frac{\dot{a}}{a} \rho (1 + w) \left[\frac{\kappa + \eta \rho^{2n-1} n (1 + 3w) (1 + 3w^2)^{n-1}}{\kappa + 2\eta \rho^{2n-1} n A(n, w)} \right].$$

Equation (25) should read

$$\dot{\rho} \left(\frac{1}{\rho} + \frac{2\eta n A(n, \frac{-1}{3})}{\kappa} \rho^{2n-2} \right) = -2 \frac{\dot{a}}{a}.$$

Equation (26) should read

$$\frac{d}{dt} \left(\ln(\rho) - \frac{\eta n (\frac{4}{3})^n}{(2n-1)\kappa} \rho^{2n-1} \right) = \frac{d}{dt} (\ln(a^{-2})).$$

Equation (27) should read

$$\rho \exp \left(-\frac{\eta n (\frac{4}{3})^n}{(2n-1)\kappa} \rho^{2n-1} \right) = C a^{-2}.$$

Equation (28) should read

$$(1 + 3w)(1 + 3w^2)^{n-1} = 2A(n, w).$$

Equation (30) should read

$$n(1 + 3w)(1 + 3w^2)^{n-1} = A(n, w).$$

Equation (31) should read

$$\frac{d}{dt} (\ln(\kappa \rho + n\eta \rho^{2n} (1 + 3w_*) (1 + 3w_*^2)^{n-1})) = \frac{d}{dt} (\ln(a^{-3(1+w_*)})).$$

Equation (32) should read

$$\kappa \rho + n\eta \rho^{2n} (1 + 3w_*) (1 + 3w_*^2)^{n-1} = C a^{-3(1+w_*)}.$$

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