

Erratum: New quantum aspects of a vacuum-dominated universe
[Phys. Rev. D 62, 083503 (2000)]

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 (Received 5 August 2002; published 9 January 2003)

DOI: 10.1103/PhysRevD.67.029903

PACS number(s): 98.80.Cq, 04.62.+v, 98.80.Es, 99.10.Cd

There are several misprints that do not affect the results.

(a) In line 2 of Eq. (5), the factor of

$$\frac{1}{2} \frac{\bar{\xi}^2 R^2}{m^4}$$

should read

$$\frac{1}{2} \frac{R^2}{m^4}.$$

(b) Equation (11) should read

$$\begin{aligned}
 k_o G_{00} = & \frac{1}{2} \rho_m + \frac{\hbar}{64\pi^2} \left\{ \frac{\bar{\xi} R_{00}}{m^2 + \bar{\xi} R} \left(m^4 + 2m^2 \bar{\xi} R + \frac{R_{\alpha\beta} R^{\alpha\beta}}{90} + R^2 \left(\bar{\xi}^2 - \frac{1}{270} \right) \right) - 3\bar{\xi}^2 R R_{00} - m^2 \bar{\xi} G_{00} + \frac{3}{4} g_{00} \bar{\xi}^2 R^2 \right\} \\
 & + \frac{\hbar}{64\pi^2} \ln \left| 1 + \frac{\bar{\xi} R}{m^2} \right| \left\{ -\frac{m^4 g_{00}}{2} + 2m^2 \bar{\xi} G_{00} - \frac{g_{00} R^2}{2} \left(\bar{\xi}^2 + \frac{1}{135} \right) + \frac{1}{90} g_{00} R_{\alpha\beta} R^{\alpha\beta} + 2 \left(\bar{\xi}^2 + \frac{1}{135} \right) R R_{00} - \frac{2}{45} R_0^\alpha R_{0\alpha} \right\}.
 \end{aligned}
 \tag{11}$$

We thank Daniel Vanzella for pointing out the changes in Eq. (11).