# Time-Dependent Cosmological Term.

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(*Il Nuovo Cimento B*, **93**, 36 (1986))

Equations in the text should read:

$$S=\int \mathrm{d}^4x\sqrt{-g}\left\{-\frac{1}{16\pi a}\varphi\left[R-\omega\frac{\varphi_{,\alpha}\varphi^{,\alpha}}{\varphi}\right]\frac{\varphi}{8\pi a}\Lambda(p)+L\right\}, \tag{5}$$

$$\Box^2\varphi+\frac{\Lambda(\varphi)\varphi}{3+2\omega}-\frac{2\varphi^2}{3+2\omega}\frac{\partial\Lambda(\varphi)}{\partial\varphi}=\frac{8\pi a}{3+2\omega}T^\lambda_\lambda, \tag{6b}$$

$$\frac{\ddot\varphi(t)}{\varphi(t)}+\frac{3\dot R(t)}{R(t)}\frac{\dot\varphi(t)}{\varphi(t)}+\frac{2\Lambda(\varphi)}{3+2\omega}-\frac{2\varphi(t)}{3+2\omega}\frac{\partial\Lambda(p)}{\partial\varphi}=\frac{8\pi a}{(3+2\omega)\varphi(t)}(\varrho-3p), \tag{10}$$

$$\left(\frac{\dot R(t)}{R(t)}\right)^2+\frac{\varkappa}{R^2(t)}=\frac{8\pi a\varrho}{3\varphi(t)}-\frac{\dot\varphi(t)}{\varphi(t)}\frac{\dot R(t)}{R(t)}+\frac{\omega}{6}\left(\frac{\dot\varphi(t)}{\varphi(t)}\right)^2+\Lambda(\varphi), \tag{11}$$

$$\frac{\varkappa}{A^2_M}=\frac{8\pi aB_M}{3C_M}+\frac{\omega}{6}+C^2_MD_M, \tag{17b}$$

$$1+\frac{C^2_MD_M}{2(3+2\omega)}=-\frac{2\pi a}{3+2\omega}\frac{B_M}{C_M}, \tag{17c}$$

$$\frac{\varkappa}{A^2_R}=\frac{8\pi aB_R}{3C_R}+1+\frac{\omega}{6}+C_RD_R. \tag{19b}$$