There is a sign error in Eq. (3.2) which affects the subsequent equations: Eq. (3.2) and (3.3) should read
\[ \pm \frac{V_{,\phi}}{V} = \frac{-3\kappa^2(1+w)}{\Omega_{\phi}} \left(1 + \frac{x'}{6}\right). \]

where the plus sign for \( \phi > 0 (V_{,\phi} > 0) \) and the minus sign for the opposite and \( x \) is defined by
\[ x = \ln \left(-\frac{1+w}{1-w}\right). \]

Since the left-hand side is positive, we have a lower bound on \( x' \), \( x' > -6 \), which in turn gives an upper bound of \( w' \)
\[ w' < -3(1-w)(1+w). \] (3.3)

Accordingly, Eq. (3.4) should read
\[ \Gamma - 1 = \frac{3(w_B - w)(1 - \Omega_{\phi})}{(1 + w)(6 + x')} - \frac{(1 - w)x'}{2(1 + w)(6 + x')} - \frac{2x''}{(1 + w)(6 + x')^2}. \] (3.4)

Equations (3.7), (3.8), and (3.9) should read
\[ x'_m = -6 \frac{w(1 - \Omega_{\phi}) + 2(1 + w)(\Gamma - 1)}{(1 - w) + 2(1 + w)(\Gamma - 1)}. \] (3.7)

FIG. 1. Bounds on \( w' \) as a function of \( w \). For \( w > -1 \), curves are lower bounds: Solid curve is our lower bound while dotted curve is from Ref. [3]; while for \( w < -1 \) curves are upper bounds. The dashed curve is a generic lower/upper bound, Eq. (2.6) and Eq. (3.3). The shaded region is the bound for tracker fields, Eq. (2.11) and Eq. (3.9). The loops in the shaded region are the trajectories for \( V = V_0 \log(\kappa \phi) \).
Since $x_m$ is an increasing function of $w(< -1)$, a lower bound is given by $w$ of the tracker solution Eq. (3.5):

$$x_m' > \frac{6w\Omega_d}{1 - 2w} \geq \frac{6w}{1 - 2w}. \quad (3.8)$$

From Eq. (2.5), in terms of $w'$, we obtain an upper bound on $w'$:

$$w' < \frac{3w}{1 - 2w}(1 - w)(1 + w). \quad (3.9)$$

Taking account of all corrections, Figs. 1 and 2 should be replaced with the ones given above:

Moreover, the following sentence in the Abstract and in Sec. V should be deleted: "The observational window for $w'$ for $w < -1$ is not narrow, $\sigma(w') \leq 6|1 + w|$.

The statement before Eq. (2.10) should read: "Since $x_m$ is a decreasing function of $w(> -1)$, a lower bound is given by . . . ."

The author would like to thank C.-W. Chen, J.-A. Gu and P. Chen (arXiv:0910.5462) for pointing out errors in the paper.