Erratum: Characterizing the linear growth rate of cosmological density perturbations in an $f(R)$ model

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We would like to correct typos in Ref. [1]. The expansion coefficients of the growth index in Eqs. (17) and (18) should be replaced as

$$
\dot{\gamma}(a) = \frac{9 - \sqrt{33}}{6} \frac{93 - 17\sqrt{33}}{666} (1 - \Omega_m(a)) + \mathcal{O}((1 - \Omega_m(a))^2)
$$

(1)

and

$$
\dot{\gamma}(a) = \frac{-41 + 24\xi + \sqrt{1 + 24\xi}}{-70 + 48\xi} + \frac{1}{8(-143 + 24\xi)(-35 + 24\xi)^2} \left[ (-41 + 24\xi + \sqrt{1 + 24\xi})(347 - 17\sqrt{1 + 24\xi}
\right.
$$

$$
\left. + 24\xi(-13 + \sqrt{1 + 24\xi})) \right] (1 - \Omega_m(a)) + \mathcal{O}((1 - \Omega_m(a))^2)
$$

(2)

respectively.