Retrieving the three-dimensional matter power spectrum and galaxy biasing parameters from lensing tomography (Corrigendum)

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We report a missing factor, $a(\chi)$, in the $\xi_{\pm}$ -related integrands of the original paper. This typographical error in Eqs. (11), (16), and (17) has no impact on our results and conclusions; the correct integrands were used in the original analysis.

A detailed list of the three typographical errors follows. First, the integral for the shear-shear correlations in Eq. (11) should have the factor $a^2(\chi)$ in the denominator of the integrand (instead of just $a(\chi)$),

$$\xi_{\pm}^{(ij)}(\theta) = \frac{9H_0^4\Omega_m^2}{4c^4} \int_0^{\chi_h} \int_0^{\infty} \frac{d\chi d\ell}{2\pi} \frac{\bar{W}^{(i)}(\chi)\bar{W}^{(j)}(\chi)}{a^2(\chi)} J_{0,4}(\ell\theta) P_{\delta}\left(\frac{\ell}{f_k(\chi)}, \chi\right). \quad (1)$$

Second, the integral for the basis functions in Eq. (16) should also have the factor $a^2(\chi)$,

$$X_{\pm}^{(ij)}(\theta; m, n) := \frac{9H_0^4\Omega_m^2}{8\pi c^4\theta^2} \times \int_{\chi_n}^{\chi_{n+1}} d\chi \frac{\bar{W}^{(i)}(\chi)\bar{W}^{(j)}(\chi)}{a^2(\chi)} \int_{k_m f_k(\chi)\theta}^{k_{m+1} f_k(\chi)\theta} ds s J_{0,4}(s) P_{\delta}^{\text{fid}}\left(\frac{s}{f_k(\chi)\theta}, \chi\right). \quad (2)$$

Third, the integral in Eq. (17) must have the factor $a^2(\chi)$,

$$\xi_{\pm, \text{fid}}^{(ij)}(\theta) := \frac{9H_0^4\Omega_m^2}{8\pi c^4\theta^2} \times \int_0^{\chi_h} d\chi \frac{\bar{W}^{(i)}(\chi)\bar{W}^{(j)}(\chi)}{a^2(\chi)} \int_0^{\infty} ds s J_{0,4}(s) P_{\delta}^{\text{fid}}\left(\frac{s}{f_k(\chi)\theta}, \chi\right). \quad (3)$$

All three of the correct equations shown here were used in our original analysis. Therefore, the corrections have no impact on our results and conclusions of the original paper.