

Erratum: Relativistic corrections of order $m\alpha^6$: Singular operators and regularization
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In our recent publication, Eqs. (50) and (51) contain errors. The expressions for $\langle H^{(6)'} \rangle$ and $\langle V_c p_e^4 \rangle'$ should read as follows:

$$\langle H^{(6)'} \rangle = \frac{\langle p_e^6 \rangle'}{16m^5} + \frac{\mathcal{E}_1 \mathcal{E}_2}{4m^3} - \frac{3}{32m^4} \langle p_e^2 (4\pi \rho_e) \rangle' + \frac{5}{64m^4} \langle V_e p_e^4 \rangle' - \frac{5}{64m^4} \langle p_e^2 V p_e^2 \rangle'$$

and

$$\langle V_c p_e^4 \rangle' = (c_1 \mu_2 + c_2 \mu_1) \langle V_1 (4\pi \rho_2) + V_2 (4\pi \rho_1) \rangle + \langle V_c (p_e^2 [p^2]_\mu) \rangle - 2 \langle \mathbf{p}_e V_c V_\mu \mathbf{p}_e \rangle.$$

These corrections do not affect the main conclusions of our work.

I wish to acknowledge Zhen-Xiang Zhong for pointing out these mistakes.

DATA AVAILABILITY

No data were created or analyzed in this study.