Erratum: Coulomb corrections to two-particle interactions in artificial traps [Phys. Rev. C 103, 064611 (2021)]

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Equations (75) and (76) of the original publication contained an extraneous factor $\frac{C_l^2(0)}{C_l^2(\gamma)}$. The correct equations are given here:

(1) The analytic expression of the Coulomb-force-modified generalized zeta function for the hard-sphere trap should read

$$\mathcal{M}^{(C,h.s.)}_{lm,l'm'}(\varepsilon) = \delta_{lm,l'm'} \frac{n_l^{(C)}(\gamma, qR)}{j_l^{(C)}(\gamma, qR)}. \tag{75}$$

(2) The quantization condition in a hard-sphere trap in the presence of Coulomb interaction, given in a closed form, should read

$$\cot \delta_l^{(S)}(q) = \frac{n_l^{(C)}(\gamma, qR)}{j_l^{(C)}(\gamma, qR)}, \tag{76}$$

The results and conclusions of the original article are not affected.

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