Erratum

Erratum: Hydrogen atom as a four-dimensional oscillator
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These corrections for Ψ_{300} and Ψ_{310} in Eq. (9) should be noted.

Ψ_{300}: The coefficient should read $[288(3\pi)^{1/2}a^{3/2}]^{-1}$, and these terms should be included in the parentheses,

$$2(\Phi_{32\,200} + \Phi_{32\,020} + \Phi_{32\,002} + \Phi_{30\,220} + \Phi_{30\,202} + \Phi_{30\,022}) \, .$$

Ψ_{310}: The coefficient should read $\sqrt{2}(576\pi^{1/2}a^{3/2})^{-1}$. The sign of $\Phi_{30\,004}$ should be positive. Furthermore, if we multiply the equation $(H-E)\Psi = 0$ by $4r/a_0$, a_0 being an arbitrary length parameter, we obtain $\omega = 2p_c/(Mn\hbar a_0)$ and then set $y_i = (M\omega a_0/\hbar)^{1/2}s_i$. The results remain unchanged.