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# Erratum: Test of the Pluinage Wave Function for the Helium Ground State (Physical Review A - Atomic, Molecular, and Optical Physics (2004) 70 (012712))

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**Publisher's Note: Test of the Pluvilage wave function for the helium ground state  
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This paper was published online on 29 July 2004 with a formatting error in Eq. (12). Equation (12) should read

$$E_{n_1, n_2, k} \equiv k^2 - \frac{Z^2}{2} \left( \frac{1}{n_1^2} + \frac{1}{n_2^2} \right) + Z \left[ \left( \frac{1}{2} + ik \right) \frac{{}_1F_1(2 - i\eta, 3; 2ikr_{12})}{{}_1F_1(1 - i\eta, 2; 2ikr_{12})} - ik \right] \left[ \left\{ \frac{1}{n_1} + \left( 1 - \frac{1}{n_1} \right) \frac{{}_1F_1\left(2 - n_1, 3; \frac{2Zr_1}{n_1}\right)}{{}_1F_1\left(1 - n_1, 2; \frac{2Zr_1}{n_1}\right)} \right\} \frac{r_1^2 + r_{12}^2 - r_2^2}{2r_1r_{12}} \right. \\ \left. + \left\{ \frac{1}{n_2} + \left( 1 - \frac{1}{n_2} \right) \frac{{}_1F_1\left(2 - n_2, 3; \frac{2Zr_2}{n_2}\right)}{{}_1F_1\left(1 - n_2, 2; \frac{2Zr_2}{n_2}\right)} \right\} \frac{r_2^2 + r_{12}^2 - r_1^2}{2r_2r_{12}} \right].$$

It has been corrected as of 6 August 2004. The text is correct in the printed version of the journal.