

**Erratum: Compact 1 <sup>1</sup>S helium wave functions [Phys. Rev. A 74, 014501 (2006)]**

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In the last equation,

$$\psi = e^{-2s} \left( 1 + \frac{1}{2} u e^{-0.68u} \right) (1 + 0.25s u + 0.15t^2 - 0.021 25u^2),$$

the brackets are incorrect and the equation should have read:

$$\psi = e^{-2s} \left[ \left( 1 + \frac{1}{2} u \right) e^{-0.68u} \right] (1 + 0.25s u + 0.15t^2 - 0.021 25u^2).$$

When properly bracketed the following was obtained:

$$\psi = e^{-2s} \left[ \left( 1 + \frac{1}{2} u \right) e^{-1.013u} \right] (1 + 0.2119s u + 0.1406t^2 - 0.003u^2)$$

with an associated energy value of  $-2.9012$  au.