

Erratum: Two-dimensional Rydberg excitons under out-of-plane magnetic fields
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In our paper, the bra-ket notation in Eqs. (5) and (7)–(9) is defined as

$$\langle R(r) | \hat{F} | R(r) \rangle = \int_0^\infty R(r) \hat{F} R(r) dr, \quad (1)$$

where $R(r)$ is the radial function, and $\hat{F}$ is an operator. However, this definition was not stated clearly in the paper and may therefore be understood as

$$\langle R(r) | \hat{F} | R(r) \rangle = \int_0^\infty R(r) [\hat{F} R(r)] r dr. \quad (2)$$

With definition (2), Eqs. (5) and (7)–(9) in the paper should be

$$-\frac{1}{2\mu} \langle R(r) | \frac{1}{r} \frac{d}{dr} \left(r \frac{d}{dr} \right) - \frac{m^2}{r^2} - \frac{B^2}{4} r^2 | R(r) \rangle + \langle R(r) | V(r) | R(r) \rangle = E \langle R(r) | R(r) \rangle, \quad (3)$$

$$\langle R(r) | \frac{1}{r} \frac{d}{dr} \left(r \frac{d}{dr} \right) - \frac{m^2}{r^2} | R(r) \rangle = -\frac{1}{a^2}, \quad (4)$$

$$\langle R(r) | r^2 | R(r) \rangle = \frac{5n(n-1) - 3m^2 + 3}{2} a^2, \quad (5)$$

$$\langle R(r) | R(r) \rangle = 1, \quad (6)$$

respectively. Other contents of the paper remain unchanged.