**Erratum: More nonperturbative corrections to the fine and hyperfine splitting
in heavy quarkonium
[Phys. Rev. D 55, 407 (1997)]**

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(Published 16 March 1999)

[S0556-2821(99)02409-1]

PACS number(s): 14.40.Gx, 12.38.Lg, 99.10.+g

In Eq. (1.6) the factor 2 has to be replaced by a factor 4.

In the octet hyperfine potential one contribution was omitted. This new contribution is due to the tree level annihilation diagram which, unlike the singlet case, gives a nonzero contribution. This new contribution reads

$$V_8^{\text{HF}}(\text{annihilation}) = \frac{4N_c^2 - 3}{4N_c^2} \frac{2\pi\alpha_s}{m^2} \delta^3(\mathbf{r}) \mathbf{S}^2.$$

Accordingly Eqs. (1.7), (3.1), (3.2), and (3.6) now read

$$V_8^{\text{HF}} = \left(1 - \frac{1}{3N_c} - \frac{3}{4N_c^2}\right) \frac{2\pi\alpha_s}{m^2} \delta^3(\mathbf{r}) \mathbf{S}^2, \quad (1.7)$$

$$\delta E_8^{\text{HF}} = -s(s+1) \delta_{l,1} \left(1 - \frac{1}{3N_c} - \frac{3}{4N_c^2}\right) \frac{\alpha_s}{6m^2} \frac{\pi \langle \alpha_s G^2 \rangle}{6N_c} |\langle R_{nl} | r \frac{1}{E_n - H_8^{(l_1=0)}} | r=0 \rangle|^2, \quad (3.1)$$

$$\delta E_8^{\text{HF}} = -\delta_{l,1} s(s+1) \frac{29}{4} \alpha_s \frac{\pi \langle \alpha_s G^2 \rangle}{(m\tilde{\alpha}_s)^3} hf[n], \quad (3.2)$$

$$\Delta_{\text{HF}}(\text{new}) = \overline{\delta E_8^{\text{F}}} + \delta E_8^{\text{HF}} = -\frac{\alpha_s}{\tilde{\alpha}_s} \frac{\pi \langle \alpha_s G^2 \rangle}{m^3 (C_f \tilde{\alpha}_s)^2} \frac{929\,717\,296}{18\,692\,671\,725}. \quad (3.6)$$

The sentence after Eq. (3.6) should be replaced by the following: “which turns out to be around 5% smaller.”
Note that this new contribution is N_c enhanced with respect to the contributions already considered in the paper.