

Erratum: Magnetic-Octupole Order in Neptunium Dioxide?
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In the expression given in Eq. (3) for the coupling between the magnetic moment of the muon and the octupole moment of the Np ion a minus sign in the definition of the operator \hat{T} and a coefficient in the factors multiplying \hat{T} have been inadvertently omitted. The correct formulas are

$$\begin{aligned} H_{\text{spin}} &= -12C_s\mu_B(g_J - 1)\alpha_J\langle r^2\rangle R^{-5}\hat{T}, \\ H_{\text{orb}} &= -3C_o\mu_B(2 - g_J)\alpha_J\langle r^2\rangle R^{-5}\hat{T}, \\ \hat{T} &= 2I_z' O_3^0(\mathbf{J}') + \sqrt{3/4}[-I_+ O_3^{-1}(\mathbf{J}') + I_- O_3^1(\mathbf{J}')]. \end{aligned} \quad (3)$$

For ${}^4I_{9/2}$, $C_s = -11/39$ and $C_o = 88/91$. The intensity of the total (spin + orbital) interstitial magnetic field is about 8.5 times larger than that deduced from the formulas given in our Letter. However, C_s , C_o , and the minus sign had been included in the calculations, so that the map of the field in Fig. 2 and all conclusions are correct.