

Erratum: Density functional for short-range correlation: Accuracy of the random-phase approximation for isoelectronic energy changes [Phys. Rev. B **61, 16430 (2000)]**

Zidan Yan, John P. Perdew, and Stefan Kurth
(Received 12 January 2010; published 8 April 2010)

DOI: [10.1103/PhysRevB.81.169902](https://doi.org/10.1103/PhysRevB.81.169902) PACS number(s): 71.15.Mb, 68.35.Md, 71.15.Nc, 71.45.Gm, 99.10.Cd

The text of the article states incorrectly that Figs. 3 and 4 are plotted for the coupling-constant average of the pair distribution function. At the bottom of the second column on page 16432, the opening sentence of the last paragraph should read “Figures 3 and 4 show our analytic model for the correlation contribution to the full-coupling-strength pair distribution function divided by the density parameter, $g_c^{RPA,unif}/r_s$, as....” The figure captions and conclusions however need no correction. The exact-RPA full-coupling-strength curves for comparison are shown in Figs. 7 and 8 of Ref. 49.¹

¹K. Schmidt, S. Kurth, J. Tao, and J. P. Perdew, [Phys. Rev. B **62**, 2227 \(2000\)](https://doi.org/10.1103/PhysRevB.62.2227).