Erratum: Phase diagram of the Weeks-Chandler-Andersen potential from very low to high temperatures and pressures [Phys. Rev. E **80, 061101 (2009)]**

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Equations (3) and (4) do not accurately reproduce the Weeks-Chandler-Andersen (WCA) solid-liquid equilibrium simulation data reported in this paper because the parameters and exponents were not optimally evaluated. Replacement equations are given below, which closely reflect the simulation data from very low to high temperatures and pressures,

$$p_{\text{WCA}} = \beta^{-1.28} \exp(-D\sqrt{\beta})(16.89k_0 + k_1\beta + k_2\beta^2), \quad (3)$$

where $D = 0.4759$, $k_0 = 0.90$, $k_1 = 4.45$, and $k_2 = 0.45$,

$$\begin{aligned} \rho_{\text{liq}} &= \beta^{-1.06} \exp(-0.50\beta^{2/5})(0.015 + 1.39\beta + 0.17\beta^2 + 6.80 \times 10^{-5}\beta^3 + 2.49 \times 10^{-6}\beta^4) \\ \rho_{\text{sol}} &= \beta^{-1.03} \exp(-0.51\beta^{2/5})(0.020 + 1.51\beta + 0.17\beta^2 + 6.15 \times 10^{-5}\beta^3 + 2.57 \times 10^{-6}\beta^4). \end{aligned} \quad (4)$$

These changes do not affect other aspects of the paper. We thank Dr. I. Bell for bringing this issue to our attention.