Erratum: Anomalous physical properties of Heusler-type $\text{Co}_2\text{Cr}(\text{Ga},\text{Si})$ alloys and thermodynamic study on reentrant martensitic transformation [Phys. Rev. B **91, 104434 (2015)]**

Xiao Xu, Makoto Nagasako, Mitsuo Kataoka, Rie Y. Umetsu, Toshihiro Omori, Takeshi Kanomata, and Ryosuke Kainuma
(Received 24 August 2016; published 15 September 2016)

DOI: [10.1103/PhysRevB.94.099902](https://doi.org/10.1103/PhysRevB.94.099902)

In the Appendix, the wrong value of the molar volume $V_p = 1.398 \times 10^{-5} \text{ m}^3/\text{mol}$ was used in making the conversion between the specific heat under constant volume and the one under constant pressure. This value should be replaced by its true value $V_p = 6.99 \times 10^{-6} \text{ m}^3/\text{mol}$ because of the presence of two molecules in a unit cell. The replacement results in the following corrections:

- (1) On p. 7, $C_{V,p}^{\text{mag}} = 5.77 \times 10^{-3} T \text{ J mol}^{-1} \text{ K}^{-1}$ should be corrected as $C_{V,p}^{\text{mag}} = 8.99 \times 10^{-3} T \text{ J mol}^{-1} \text{ K}^{-1}$.
- (2) On p. 5 and 7, S_p^{mag} at $T_{C,p}$ was estimated to be a value between 3.3 and 6.6 $\text{J mol}^{-1} \text{ K}^{-1}$. However, its value should be corrected to be between 2.7 and 7.7 $\text{J mol}^{-1} \text{ K}^{-1}$.
- (3) Figures 7 and 8 should be replaced by the corrected ones given below. Their captions are not changed by these corrections. All including discussions (other than the above items) and conclusions are not affected by these corrections.

FIG. 7. $C_{p,p}$, $C_{V,p}^{\text{lat}}$, and $C_{V,p}^{\text{ele}}$ are unchanged, whereas $C_{V,p}$, $C_{V,p}^{\text{mag+lat}}$ and $C_{V,p}^{\text{mag}}$ (models a and b) were corrected.

FIG. 8. S_p is unchanged, whereas S_p^{mag} (model a) and S_p^{mag} (model b) were corrected.

We thank J. Xia for his detection of this error.