

Erratum

Thermal expansion and thermal pressure in Co and Ni olivines: a comparison with Mn and Fe olivines by HERBERT KROLL, PETER SCHMID-BEURMANN, ALEXANDER SELL, JULIA BÜSCHER, ROBIN DOHR and ARMIN KIRFEL (2019, vol. 31, p. 313–324, DOI: 10.1127/ejm/2019/0031-2805)

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In the print and online version of the title article, misprints and incorrect versions of equations were included.

- (1) Abstract: Line 8 should read “related EoS coefficients of Co olivine” rather than “related EoS of Co olivine”.
- (2) The third line below Eq. (6) should read “With γ_{MG} being temperature invariant” rather than “With γ_{MG} being the temperature invariant”.
- (3) Eq. (11) should read “ $P(V, T_{\text{ref}})/K_0^T + \Delta P_{\text{th}}(T)/K_0^T = 0$ ” rather than $P(V, T_{\text{ref}})/(K_0^T) + (\Delta P_{\text{th}}(T))/(K_0^T) = 0$.
- (4) In the sixth line below Eq (I) one should read “ $M_i^T = -x_i(\partial P/\partial x_i)_T$ ” rather than “ $M_i^T = x_i(\partial P/\partial x_i)_T$ ”.
- (5) Eq. (II) should read “ $P(x_i, T_{\text{ref}}) = \frac{K_{0,i}^T}{K'_{0,i} + 1} \left\{ \exp \left[(K'_{0,i} + 1)(1 - \eta_i) \right] - 1 \right\}$ ” rather than

$$P(x_i, T_{\text{ref}}) \frac{K_{0,i}^T}{K'_{0,i} + 1} \left\{ \exp \left[(K'_{0,i} + 1)(1 - \eta_i) \right] - 1 \right\}.$$
- (6) Eq. (III) should read “ $K_i^T(P = 0, T) = K_{0,i}^T \left[1 - (K'_{0,i} + 1) \frac{\Delta E_{\text{th}}(T, \theta_{0,i})}{Q_{0,i}} \right]$

$$\left\{ 1 - \frac{1}{K'_{0,i} + 1} \ln \left[1 - (K'_{0,i} + 1) \frac{\Delta E_{\text{th}}(T, \theta_{0,i})}{Q_{0,i}} \right] \right\},$$

 rather than $K_i^T(P = T) = K_{0,i}^T \left[1 - (K'_{0,i} + 1) \frac{\Delta E_{\text{th}}(T, \theta_{0,i})}{Q_{0,i}} \right] \left\{ 1 - \frac{1}{K'_{0,i} + 1} \ln \left[1 - (K'_{0,i} + 1) \frac{\Delta E_{\text{th}}(T, \theta_{0,i})}{Q_{0,i}} \right] \right\}.$
- (7) In the first line of the footnote of Table 3, “Eq. (II)” should read “Eq. (I)”.
- (8) Line 8 of the right column of page 323 should read “ $V/V_0 \approx 1.5$) so that $\alpha_V(P_0, T)$ becomes infinite at a” rather than “ $V/V_0 \approx 1.5$) so that $\nu(P_0, T)$ becomes infinite at a”

The authors offer apologies for the inconvenience.