

Erratum to: New Thermodynamic Assessment of the Fe-Y System

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Published online: 18 September 2017
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Erratum to: J. Phase Equilib. Diffus. (2017)
38:684–699
DOI 10.1007/s11669-017-0574-3

Due to a typesetting error, Eq 6 was incorrect. The correct version of the equation is presented below:

$$\begin{aligned} G_m^{\theta,\text{srf}} + G_m^{\theta,\text{conf}} + G_m^{\theta,\text{Ex}} &= y'_{\text{Fe}} y''_{\text{Y}} \cdot {}^0G_{\text{Fe:Y}}^{\theta} + y'_{\text{Fe}} y''_{\text{Fe}} \cdot {}^0G_{\text{Fe:Fe}}^{\theta} \\ &+ y'_{\text{Y}} y''_{\text{Y}} \cdot {}^0G_{\text{Y:Y}}^{\theta} + y'_{\text{Y}} y''_{\text{Fe}} \cdot {}^0G_{\text{Y:Fe}}^{\theta} + RT \left[a \left(y'_{\text{Fe}} \ln(y'_{\text{Fe}}) \right. \right. \\ &\left. \left. + y'_{\text{Y}} \ln(y'_{\text{Y}}) \right) + b \left(y''_{\text{Y}} \ln(y''_{\text{Y}}) + y''_{\text{Fe}} \ln(y''_{\text{Fe}}) \right) \right] + G_m^{\theta,\text{Ex}} \end{aligned} \quad (\text{Eq 6})$$
$$\begin{aligned} {}^0G_{\text{Fe:Y}}^{\theta} &= a \cdot \text{GHSE}_{\text{Fe}} + b \cdot \text{GHSE}_{\text{Y}} + \alpha + \beta \cdot T \\ {}^0G_{\text{Fe:Fe}}^{\theta} &= (a + b) \cdot \text{GHSE}_{\text{Fe}} + \gamma \\ {}^0G_{\text{Y:Y}}^{\theta} &= (a + b) \cdot \text{GHSE}_{\text{Y}} + \sigma \\ {}^0G_{\text{Y:Fe}}^{\theta} &= a \cdot \text{GHSE}_{\text{Y}} + b \cdot \text{GHSE}_{\text{Fe}} - \alpha - \beta \cdot T + \gamma + \sigma \end{aligned}$$

The online version of the original article can be found under
doi:[10.1007/s11669-017-0574-3](https://doi.org/10.1007/s11669-017-0574-3).

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