## ERRATUM

## Erratum to: Calculations of Freezing Point Depression, Boiling Point Elevation, Vapor Pressure and Enthalpies of Vaporization of Electrolyte Solutions by a Modified Three-Characteristic Parameter Correlation Model

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## Erratum to: J Solution Chem (2009) 38:1097-1117 DOI 10.1007/s10953-009-9433-0

Our attention has recently been drawn to a few typographical errors in the above paper.

On page 1099, Eq. 9, the temperature T should not be in the left-hand side, and the negative sign in the square brackets in its right-hand-side should be a positive sign. Thus the correct equation is:

$$R \ln a_{\rm liq} = \Delta H_{0,T_{\rm F}}^{\rm fus} \left( \frac{1}{T_{\rm F}} - \frac{1}{T_{\rm F} - \theta_{\rm F}} \right) + \Delta C_p^{\rm fus} \left[ \ln \left( \frac{T_{\rm F} - \theta_{\rm F}}{T_{\rm F}} \right) + \frac{\theta_{\rm F}}{T_{\rm F} - \theta_{\rm F}} \right] \tag{9}$$

On page 1099, Eq. 11, T should not be in the last term of Eq. 11, and the correct equation is:

$$\Delta H_{0,T_F}^{\text{fus}} \left( \frac{1}{T_F} - \frac{1}{T_F - \theta_F} \right) + \frac{\Delta C_p^{\text{fus}}}{2} \left( \frac{\theta_F}{T_F - \theta_F} \right)^2 - R \ln a_{\text{liq}} = 0 \tag{11}$$

On page 1099, Eq. 12, the gas constant *R* was missing in the first term under the radical sign, and the correct equation is:

$$\theta_{\rm F} = \frac{\Delta H_{0,T_{\rm F}}^{\rm fus} - 2RT_{\rm F} \ln a_{\rm liq} - \sqrt{2\Delta C_p^{\rm fus} T_{\rm F}^2 R \ln a_{\rm liq} + \left(\Delta H_{0,T_{\rm F}}^{\rm fus}\right)^2}}{2\left(\Delta H_{0,T_{\rm F}}^{\rm fus} / T_{\rm F} + 0.5\Delta C_p^{\rm fus} - R \ln a_{\rm liq}\right)}$$
(12)

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On page 1100, Eq. 16, T should not be in the left-hand-side and negative sign was missing in the first term of right-hand-side, and the correct equation is:

$$-R \ln a_{\text{liq}} = -\Delta H_{0,T_B}^{\text{vap}} \left( \frac{1}{T_B} - \frac{1}{T_B + \theta_B} \right) + \Delta C_p^{\text{vap}} \left[ \ln \left( \frac{T_B + \theta_B}{T_B} \right) - \frac{\theta_B}{T_B + \theta_B} \right]$$
(16)

On page 1100, Eq. 17, R is missing in the second term under the radical sign, and the correct equation is:

$$\theta_{\rm B} = \frac{-\Delta H_{0,T_{\rm B}}^{\rm vap} - 2RT_{\rm B} \ln a_{\rm liq} + \sqrt{\left(\Delta H_{0,T_{\rm B}}^{\rm vap}\right)^2 - 2\Delta C_p^{\rm vap} T_{\rm B}^2 R \ln a_{\rm liq}}}{2(\Delta H_{0,T_{\rm B}}^{\rm vap} / T_{\rm B} + 0.5\Delta C_p^{\rm vap} - R \ln a_{\rm liq})}$$
(17)

In all instances, the subsequent calculations in the paper used the correct equations as listed above and not the original equations with errors. Thus the results presented there are unchanged.

