

Correlation of Binary Systems Containing Ionic Liquids Using a Group-Contribution MF-NLF Equation of State

알렉산더, 강정원¹, 유기풍*
서강대학교; ¹고려대학교
(kpyoo@sogang.ac.kr*)

Group contribution (GC) based models are well known and widely used in industrial applications. GC Models based on group contribution excess Gibbs free energy are mainly limited to low pressures. A GC version of the multi fluid nonrandom lattice fluid (MF-NLF) equation of state has been implemented and used for the correlation of several systems containing ionic liquids (IL). The required volumetric group parameters for the ILs were fitted using pseudo vapor pressures. The correlation results show good agreement with the selected data sets.