

عنوان مقاله:

Calculation of Excess Molar Volumes of Liquid Mixtures at High Pressures and Temperatures from Measurements at Ambient Conditions

محل انتشار:

هجدهمین همایش شیمی فیزیک ایران (سال: 1394)

تعداد صفحات اصل مقاله: 3

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خلاصه مقاله:

Excess quantities are useful measures of the effects of molecular interactions on thermodynamic properties of liquid mixtures [1]. Measurements of excess molar volumes at high temperatures and pressures are difficult and often consume a lot of chemicals and lots of time. In fact, this study is continue of the previous paper [2]. In this study, the NRTL model was modified by expressing the interaction parameter of the model as a function of temperature and pressure to improve the accuracy and ability of spontaneous correlation of experimental data at different pressures and temperatures.

کلمات کلیدی:

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