

عنوان مقاله:

Thermodynamic Properties Calculations by Modified MMM (M4) Equation of State

محل انتشار:

هشتمین کنگره ملی مهندسی شیمی ایران (سال: 1382)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Khalkhali - Chemical Engineering Department, Amir-Kabir University of Technology, Tehran, Iran

Mohsen-Nia - University of Kashan, Kashan, Iran

Modarress - Chemical Engineering Department, Amir-Kabir University of Technology, Tehran, Iran

خلاصه مقاله:

The modified MMM equation of state (M4 EOS) has been proposed in a previous work. In this work the application of this EOS is extended by presenting the enthalpy of vaporization for 54 pure compounds and VLE calculations for 50 binary mixtures. The results are compared by those obtained by Peng- Robinson and Soave Redlich-Kwong equations of state. The Average Absolute Deviation (AAD%) from the experimental results for modified MMM EOS was lower than the other two EOSs.

کلمات کلیدی:

MMM equation of state, VLE calculations, enthalpy of vaporization

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/48140>

