

عنوان مقاله:

Review of Modeling of Solubility and Heat Absorption of CO₂ in Amine Solution

محل انتشار:

دومین کنفرانس بین المللی فناوری های جدید در صنایع نفت، گاز و پتروشیمی (سال: 1399)

تعداد صفحات اصل مقاله: 11

نویسندگان:

Mohammad Delavari - *Separation Processes Group, Department of Chemical, Oil and Gas Engineering, Semnan University, Semnan, Iran*

Maryam Khajenoori - *Separation Processes Group, Department of Chemical, Oil and Gas Engineering, Semnan University, Semnan, Iran*

Ali.T Zoghi - *Gas Refining Technology Group, Gas Research Institute, Petroleum Industry Research Institute, Tehran, Iran*

خلاصه مقاله:

Electrolyte solutions modeling is very importance. One model that can be used in Extensivetemperatures and pressures range is very good model. Modeling the acid gases can be used in threeclass: first approach are empirical and semi-empirical models. Secondary models are models based onexcess Gibbs free energy and third approach are models based on the equation of state. In recent years,due to the benefits of the equation of state, researchers have switched to these models. The equation ofstate models are the interest models for researcher in VLE calculation of CO₂ in amines. Thus, researchon these models to calculate the solubility and heat absorption in CO₂-H₂O-Amine .systems is one of thecommon topics in this field

کلمات کلیدی:

Heat of absorption, Thermodynamic modeling, Equation of state

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1202146>

