

THERMODYNAMICS AND CHEMICAL.....

α -蒎烯+顺式蒎烷+正己醇体系的等温等压汽液平衡

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摘要 This paper presents the isothermal and isobaric vapor-liquid equilibria measured with an inclined ebulliometer for α -pinene + cis-pinane + 1-hexanol system at temperatures of 368.15K, 383.15 K and 408.15K, and at pressures of 26.66 kPa and 53.33 kPa. The measured ternary results are analyzed using the UNIQUAC equation with the temperature-dependent binary parameters. Satisfactory agreements are obtained between the experimental results and the theoretical analysis.

关键词 [Antoine equation](#) [ebulliometer](#) [Powell optimization](#) [UNIQUAC](#)

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Isothermal and Isobaric Vapor-Liquid Equilibria of α -Pinene+cis-Pinane+1-Hexanol System

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Abstract This paper presents the isothermal and isobaric vapor-liquid equilibria measured with an inclined ebulliometer for α -pinene + cis-pinane + 1-hexanol system at temperatures of 368.15K, 383.15 K and 408.15K, and at pressures of 26.66 kPa and 53.33 kPa. The measured ternary results are analyzed using the UNIQUAC equation with the temperature-dependent binary parameters. Satisfactory agreements are obtained between the experimental results and the theoretical analysis.

Key words [Antoine equation](#); [ebulliometer](#); [Powell optimization](#); [UNIQUAC](#)

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