

Vapor-Liquid Equilibria Measurement for the System of carbon dioxide(CO₂)+ dimethyl carbonate(DMC)

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VLE data for binary systems of carbon dioxide(CO₂)+ dimethyl carbonate(DMC) were measured at three equal spaced temperatures between 293.15~313.15K using a circulation-type equilibrium apparatus. The experimental VLE data were correlated with the PR-EOS using the W-S mixing rule. Calculated results with these equations have given satisfactory results in the comparison with the experimental data. In each case, the better results were obtained with the PR-EOS using W-S mixing rule.