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REFRACTIVE INDICES OF THE BINARY SYSTEMS ISO-PROPANOL – WATER AND ISO-PROPANOL - TOLUENE

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Abstract

The paper reports experimental refractive indices of binary systems iso-propanol – water and iso-propanol – toluene over the entire range of composition at different temperature. Excess refractive indices were evaluated from the experimental data obtained. This derived property was fitted to variable-degree polynomials. The results obtained have been discussed and interpreted in terms of the type and nature of the specific intermolecular interactions between the components.

Key words: excess refractive indices, iso-propanol-water, iso-propanol-toluene, mixtures, refractive indices,

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