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**Thermodynamic Properties of Supercritical n-Hexane**

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Accurate information on the thermodynamic properties of supercritical fluids is highly sought for the chemical technology, especially, supercritical extraction technology. The thermodynamic properties of fluids near the critical region are strongly affected by the presence of fluctuations and therefore, can not be described by conventional equation. We have investigated the behavior of the thermodynamic properties of n-hexane in the vicinity of the critical region. For this reason we have used the so-called "crossover model" to describe the thermodynamic properties of n-hexane in a wide range of temperatures and densities around the critical point.

**Keywords**

Crossover, fluctuations, n-hexane, supercritical, thermodynamic properties.