

IMPACT OF CHARGED IONS ON THE  
INDICATRIX OF CRITICAL OPALESCENCE  
OF LIQUID SYSTEMS

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S u m m a r y

Experimental investigation of critical neutron opalescence in a double solution of 3-methylpyridine - heavy water (3-MP-D<sub>2</sub>O) with the insignificant entry of charged ions is done. Calculated effective values of compressibility critical indices  $\gamma$ , correlation length  $\nu$ , and correlation function  $\eta$  turn out to be higher than similar indices in a double solution (3-MP-D<sub>2</sub>O) without ionic admixtures. The results obtained are qualitatively confirmed by theoretical calculations.