

BEHAVIOR OF THE VISCOSITY OF LIQUID  
SYSTEMS NEAR THE CRITICAL TEMPERATURE  
OF STRATIFICATION

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S u m m a r y

We present the results of experimental studies of the temperature dependence of the dynamical viscosity  $\eta(t)$  for a wide class of liquid systems near the critical temperature (CT) of stratification. The analysis of those data is performed on the basis of the equation of viscosity of the dynamical theory of critical phenomena and a semiempiric equation which accounts the spatial dispersion of the system near CT. By the data on  $\eta(t)$ , we have calculated a number of parameters which characterize the fluctuation part of the viscosity of various liquid systems near CT: the amplitudes and the critical indices of correlation length and viscosity, and a finite value of viscosity at the critical point.