

RELAXATION TIMES OF NONHOMOGENEOUS
LIQUIDS NEAR THE CRITICAL POINT
IN A GRAVITATIONAL FIELD

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S u m m a r y

On the basis of the fluctuation theory of phase transitions and the gravitational effect theory, the dependences of the relaxation times of density and density gradient in nonhomogeneous liquids near the critical temperature on the altitude in a gravitational field have been calculated. The nonmonotonous dependences of the values concerned on the altitude for nonhomogeneous liquids in the critical state have been explained. The results obtained are confirmed by experimental data on the equilibration kinetics in nonhomogeneous systems near a critical point (CP).