

LIGHT SCATTERING IN A FLUID SUBJECTED
TO A TEMPERATURE GRADIENT

V.P. Lesnikov

Odesa National Polytechnic University
(1, Shevchenko Ave., Odesa 65044, Ukraine)

S u m m a r y

The comparison of the experiments on light scattering in a fluid subjected to a temperature gradient with the theory of nonequilibrium hydrodynamic fluctuations, based on a local equilibrium [18], and with the fluctuating hydrodynamics has been carried out. It is shown that the local equilibrium theory will much better be coordinated to experiment.