

# SESQUIALTERAL MOLECULAR LIGHT SCATTERING BY FLUIDS

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## S u m m a r y

A new approach to the problem of the sesquialteral molecular light scattering by single-component fluids is reported, and the main results are reviewed. The scattering intensity is expressed in terms of the third thermodynamic moment of density fluctuations. The analysis of its relative magnitude and the temperature dependence with the Van der Waals model reveals that the sesquialteral scattering can be detected experimentally. It is shown that, with the sesquialteral scattering effects incorporated into the overall scattering pattern, the well-known features of the temperature behavior of the depolarization ratio in the vicinity of the critical point can be explained in a single way.