

ON THE THEORY OF DEPOLARIZED LIGHT
SCATTERING BY BROWNIAN PARTICLES
IN AN EXTERNAL ELECTRIC FIELD

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S u m m a r y

The influence of an external electric field on the spectrum of depolarized light scattering by a dilute suspension of anisotropic ellipsoidal particles in a simple liquid was considered. The wing of the Rayleigh line has a non-Lorentzian shape in the electric field and has a fine structure as additional local maxima in the spectrum. The position of these maxima can be controlled by changing the value of the constant electric field.