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# The spectrum of charged drop electrocapillarity fluctuations

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*The problems of surface and electrocapillarity fluctuations highly charged spherical drop were considered. Wave spectra obtained. The solution was carried out by the method of Hamilton function. The results are compared with the classical studies of Rayleigh.*

**Keywords:** *Electrodispersing of the drops, the surfaces oscillations, the function of Hamilton, electrohydrodynamics.*

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