

A.A. VLASOV AND N.N. BOGOLYUBOV,  
THE FORERUNNERS OF QUANTUM  
ELECTRODYNAMICS

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S u m m a r y

All written below is the child of my brain, although the meetings and discussions of these two great physicists actually took place, and these discussions resulted in the substantiation of the famous Vlasov equation in the seminal work by N.N. Bogolyubov “Dynamic Methods in the Statistical Physics” published in 1946. This work, together with Vlasov’s one, not only proved the statistical physics of many-particle systems with Coulomb interaction, but also laid the corner stone of the method of electrodynamic perturbation theory, which brought about the creation of quantum electrodynamics at the end of the 1940s.