## BOGOLYUBOV'S APPROXIMATION FOR BOSONS

N.N. Bogolyubov, jr., D.P. Sankovich

V.A. Steklov Institute of Mathematics, RAS (8, Gubkin Str., Moscow 119991, Russia)

Summary

We analyze the approximating Hamiltonian method for Bose systems. Within the framework of this method, the pressure for the mean field model of an imperfect boson gas is calculated. The problem is considered by the systematic application of the Bogolyubov–Ginibre approximation.