

CALCULATION OF THE IMAGINARY PART
OF THE SPECTRUM OF ELEMENTARY
EXCITATIONS OF A STRONGLY
CORRELATED BOSE SYSTEM

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S u m m a r y

On the base of the microscopic approach, the damping of the spectrum of elementary excitations for a strongly correlated Bose-system with condensation at nonzero temperatures is calculated, by using the Popov's method of hydrodynamic variables.