

THEORY OF HEAT CAPACITY OF LIQUID
HELIUM-4 FOR TEMPERATURES
ABOVE THE CRITICAL POINT

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S u m m a r y

We analyze numerically the behavior of the heat capacity of liquid ^4He for the entire temperature range with the corresponding formula for the internal energy obtained in Ref. [I.O. Vakarchuk, R.O. Prytula, A.A. Rovenchak, J. Phys. Stud. **11**, 259 (2007)] combined with a simple calculation of the effective mass of interacting Bose particles. The results agree quite well with experimental data.