

Fig. 2. Isothermal compressibility χ_T for Kr

○ Stewart (13); □ Urvas et al. (10);
● this work

on similar crystals revealed that the specimens consisted of grains with diameters of approximately 5 mm (5). After the crystals were grown, they were transferred from the growing tube to the dilatometer chamber.

For the compressibility measurements a pressure from 1 to 20 bar was applied to the specimen by gaseous or liquid helium. The change of sample length was independent of whether the pressure was being raised or lowered; i. e., no hysteresis

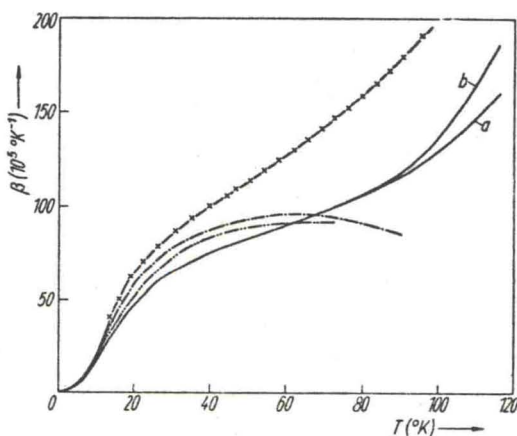


Fig. 3. Comparison of the experimental volume thermal expansion coefficient for Kr with theory (1). MLJ (12, 6) means (12, 6)-Mie-Lennard-Jones potential; qh: quasiharmonic, anh: anharmonic approximation; a: measured with X-rays (9); b: bulk expansivity measured in this work

— x — qh. MLJ (12, 6), - · - - - anh. MLJ (12, 6),
- · · - - anh. MLJ (13, 6), — - - - experiment

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