

It must be noted that the experiments for the determination of compressibility by the x-ray diffraction method are relatively simple, and do not require complicated equipment.

The use of an ion diffractometer will make it possible to obtain more precise results with a much shorter exposure.

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LITERATURE CITED

- [1] P. W. Bridgman, Proc. Am. Acad. Sci. 58, 151 (1923).
- [2] R. Smoluchowski, Phys. Rev. 59, 309 (1941).
- [3] N. P. Grazhdankina, Zhur. Éksp. i Teor. Fiz. 33, 1524 (1957) [Soviet Physics - JETP, vol. 6, p. 1178].
- [4] W. Cohn, Proc. Am. Phys. Soc. 63 (June, 1933).
- [5] R. B. Jacobs, Phys. Rev. 56, 211 (1939).
- [6] R. B. Jacobs, Phys. Rev. 54, 325 (1938).
- [7] A. W. Lawson and N. A. Riley, Rev. of Sci. Instr. 20, 763 (1949).
- [8] A. W. Lawson and Ting Juan-Tang, Rev. of Sci. Instr. 21, 815 (1950).
- [9] L. F. Vereshchagin and I. V. Brandt, Doklady Akad. Nauk SSSR 113, 797 (1956).