

It should be noted that the Pb—In alloy components have the constants γ and compressibility coefficients κ close in value and so it is interesting to investigate the pressure influence on the alloys with the essentially different components.

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REFERENCES

1. ZIMAN J.M., *Electrons and Phonons*, Oxford University Press, Oxford (1960).
2. CARBOTTE J.P. and VASHISHTA P., *Can. J. Phys.* **49**, 1493 (1971).
3. GALKIN A.A., SVISTUNOV V.M., DIKII A.P. and TARANENKO V.N., *Zh. Eksp. Teor. Fiz.* **59**, 77 (1970).
4. ZAVARITSKII N.V., ITSKEVICH E.S. and VORONOVSKII A.N., *Zh. Eksp. Teor. Fiz.* **60**, 1408 (1971).
5. GALKIN A.A., SVISTUNOV V.M., CHERNJAK O.A. and BELOGOLOVSKII M.A. *Dokl. Akad. Nauk SSSR*, **210**, 815 (1973).
6. HANSEN H.H., POMPI R.L. and WU T.M., *Phys. Lett.* **40 A**, 201 (1972).
7. SOOD B.R., *Phys. Rev.* **B 6**, 136 (1972).

Исследованы сплавы Pb—In различной концентрации под давлением методом электронного туннелирования. Обнаружен эффект частотной зависимости постоянной Грüneизена, определяемой по смещению характеристических фононных частот.