

Fig. 1

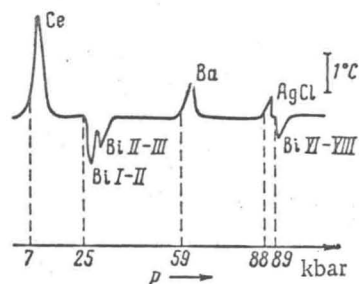


Fig. 2

Fig. 1. Scheme for introducing a differential thermocouple in a high pressure chamber. 1) talc roof; 2) metallic bismuth; 3) talc insulating screen; 4) teflon or talc collar; 5) differential chromel-alumel thermocouple; 6) investigated material; 7) medium for transmitting pressure.

Fig. 2. Combined thermogram for various materials.

The described method may be used successfully not only as a method of calibrating pressure in addition to the electrical resistance method but also for estimating the magnitude of the thermal effect with more or less satisfactory accuracy. It is proposed in the future to estimate quantitatively the magnitudes of the thermal effects of several polymorphic transformation at high pressures.

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All abbreviations of periodicals in the above bibliography are letter-by-letter transliterations of the abbreviations as given in the original Russian journal. Some or all of this periodical literature may well be available in English translation. A complete list of the cover-to-cover English translations appears at the back of this issue.