

Investigation of Elastic Property of Thermoelectric Materials Prepared by Bridgman Method

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The study of thermoelectric material BiSbTe was prepared by Bridgman method with a growth rate 4 mm/hr. Structural investigation by using XRD technique. From the XRD pattern apparent peak at plane (1010) of BiSbTe and the orderly arrangement of unit cell. The longitudinal velocity was measured by ultrasonic method. Density was measured by Archimedes method (6.35 g/cm^3). The longitudinal modulus of this material can be calculated by the longitudinal velocity and density ($L = 39.6 \text{ GPa}$).

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