

THE OPTICAL STUDY OF InSb– In<sub>2</sub>GeTe  
SOLID SOLUTIONS

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S u m m a r y

The optical reflection and absorption spectra are studied in the  $(2\text{InSb})_{1-x}(\text{In}_2\text{GeTe})_x$  system. It is revealed that the dispersion law of electrons corresponds to the Keyn's model. The additional absorption and the peak which are observed in the absorption spectra are connected with the existence of a located level caused by the impurity of tellurium that is placed above the bottom of the conduction band.